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Junos<sup>®</sup> OS

## Junos XML API Operational Reference

Release

11.3



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## Part 3

### Chapter 10

## Summary of Operational Response Tag Elements

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# About This Guide

This preface provides the following guidelines for using the *Junos<sup>®</sup> OS XML API Operational Reference*:

- [Junos OS Documentation and Release Notes on page cccxxxv](#)
- [Objectives on page cccxxxv](#)
- [Audience on page cccxxxvi](#)
- [Supported Platforms on page cccxxxvii](#)
- [Using the Examples in This Manual on page cccxxxvii](#)
- [Documentation Conventions on page cccxxxviii](#)
- [Documentation Feedback on page cccxl](#)
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## Junos OS Documentation and Release Notes

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For a list of related Junos OS documentation, see <http://www.juniper.net/techpubs/software/junos/>.

If the information in the latest release notes differs from the information in the documentation, follow the *Junos OS Release Notes*.

To obtain the most current version of all Juniper Networks<sup>®</sup> technical documentation, see the product documentation page on the Juniper Networks website at <http://www.juniper.net/techpubs/>.

Juniper Networks supports a technical book program to publish books by Juniper Networks engineers and subject matter experts with book publishers around the world. These books go beyond the technical documentation to explore the nuances of network architecture, deployment, and administration using the Junos operating system (Junos OS) and Juniper Networks devices. In addition, the Juniper Networks Technical Library, published in conjunction with O'Reilly Media, explores improving network security, reliability, and availability using Junos OS configuration techniques. All the books are for sale at technical bookstores and book outlets around the world. The current list can be viewed at <http://www.juniper.net/books>.

## Objectives

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This reference provides complete information about the tag elements in the Junos Extensible Markup Language (XML) application programming interface (API) that the

Junos XML management protocol and NETCONF XML Management protocol client applications can use to request information about the operational status of a router. The tag elements are equivalent to operational mode commands in the Junos OS command-line interface (CLI).



**NOTE:** For additional information about the Junos XML API software—either corrections to or information that might have been omitted from this guide—see the software release notes at <http://www.juniper.net/>.

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## Audience

This reference is designed for Juniper Networks customers who want to write custom applications for monitoring routing platforms that run the Junos OS. It assumes that you are familiar with basic terminology and concepts of XML, with XML-parsing utilities such as the Document Object Model (DOM) or Simple API for XML (SAX), and with the Junos OS command-line interface (CLI).

In addition, you need a broad understanding of networks in general, the Internet in particular, networking principles, and network configuration. You must also be familiar with one or more of the following Internet routing protocols:

- Border Gateway Protocol (BGP)
- Distance Vector Multicast Routing Protocol (DVMRP)
- Intermediate System-to-Intermediate System (IS-IS)
- Internet Control Message Protocol (ICMP) router discovery
- Internet Group Management Protocol (IGMP)
- Multiprotocol Label Switching (MPLS)
- Open Shortest Path First (OSPF)
- Protocol-Independent Multicast (PIM)
- Resource Reservation Protocol (RSVP)
- Routing Information Protocol (RIP)
- Simple Network Management Protocol (SNMP)

Personnel operating the equipment must be trained and competent; must not conduct themselves in a careless, willfully negligent, or hostile manner; and must abide by the instructions provided by the documentation.

## Supported Platforms

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For the features described in this reference, the Junos OS currently supports the following devices:

- J Series
- M Series
- MX Series
- T Series
- EX Series
- QFX Series
- SRX Series

## Using the Examples in This Manual

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If you want to use the examples in this manual, you can use the **load merge** or the **load merge relative** command. These commands cause the software to merge the incoming configuration into the current candidate configuration. If the example configuration contains the top level of the hierarchy (or multiple hierarchies), the example is a *full example*. In this case, use the **load merge** command.

If the example configuration does not start at the top level of the hierarchy, the example is a *snippet*. In this case, use the **load merge relative** command. These procedures are described in the following sections.

### Merging a Full Example

To merge a full example, follow these steps:

1. From the HTML or PDF version of the manual, copy a configuration example into a text file, save the file with a name, and copy the file to a directory on your routing platform.

For example, copy the following configuration to a file and name the file **ex-script.conf**. Copy the **ex-script.conf** file to the **/var/tmp** directory on your routing platform.

```
system {
  scripts {
    commit {
      file ex-script.xml;
    }
  }
}
interfaces {
  fxp0 {
    disable;
    unit 0 {
      family inet {
        address 10.0.0.1/24;
      }
    }
  }
}
```

```
    }  
  }  
}
```

2. Merge the contents of the file into your routing platform configuration by issuing the **load merge** configuration mode command:

```
[edit]  
user@host# load merge /var/tmp/ex-script.conf  
load complete
```

## Merging a Snippet

To merge a snippet, follow these steps:

1. From the HTML or PDF version of the manual, copy a configuration snippet into a text file, save the file with a name, and copy the file to a directory on your routing platform.

For example, copy the following snippet to a file and name the file **ex-script-snippet.conf**. Copy the **ex-script-snippet.conf** file to the **/var/tmp** directory on your routing platform.

```
commit {  
  file ex-script-snippet.xml; }
```

2. Move to the hierarchy level that is relevant for this snippet by issuing the following configuration mode command:

```
[edit]  
user@host# edit system scripts  
[edit system scripts]
```

3. Merge the contents of the file into your routing platform configuration by issuing the **load merge relative** configuration mode command:

```
[edit system scripts]  
user@host# load merge relative /var/tmp/ex-script-snippet.conf  
load complete
```

For more information about the **load** command, see the [Junos OS CLI User Guide](#).

---

## Documentation Conventions

Table 1 on page [cccxxxix](#) defines notice icons used in this guide.



Table 1: Notice Icons





Icon	Meaning	Description
	Informational note	Indicates important features or instructions.
	Caution	Indicates a situation that might result in loss of data or hardware damage.
	Warning	Alerts you to the risk of personal injury or death.
	Laser warning	Alerts you to the risk of personal injury from a laser.

Table 2 on page [cccxxxix](#) defines the text and syntax conventions used in this guide.

Table 2: Text and Syntax Conventions

Convention	Description	Examples
<b>Bold text like this</b>	Represents text that you type.	To enter configuration mode, type the <b>configure</b> command:  <code>user@host&gt; configure</code>
Fixed-width text like this	Represents output that appears on the terminal screen.	<code>user@host&gt; show chassis alarms</code> <code>No alarms currently active</code>
<i>Italic text like this</i>	<ul style="list-style-type: none"> <li>Introduces important new terms.</li> <li>Identifies book names.</li> <li>Identifies RFC and Internet draft titles.</li> </ul>	<ul style="list-style-type: none"> <li>A policy <i>term</i> is a named structure that defines match conditions and actions.</li> <li><i>Junos OS System Basics Configuration Guide</i></li> <li>RFC 1997, <i>BGP Communities Attribute</i></li> </ul>
<i>Italic text like this</i>	Represents variables (options for which you substitute a value) in commands or configuration statements.	Configure the machine's domain name:  [edit] root@# <b>set system domain-name</b> <i>domain-name</i>
Text like this	Represents names of configuration statements, commands, files, and directories; interface names; configuration hierarchy levels; or labels on routing platform components.	<ul style="list-style-type: none"> <li>To configure a stub area, include the <b>stub</b> statement at the [edit protocols <b>ospf area area-id</b>] hierarchy level.</li> <li>The console port is labeled <b>CONSOLE</b>.</li> </ul>
< > (angle brackets)	Enclose optional keywords or variables.	<code>stub &lt;default-metric metric&gt;;</code>

Table 2: Text and Syntax Conventions (*continued*)

Convention	Description	Examples
(pipe symbol)	Indicates a choice between the mutually exclusive keywords or variables on either side of the symbol. The set of choices is often enclosed in parentheses for clarity.	<b>broadcast   multicast</b>  <i>(string1   string2   string3)</i>
# (pound sign)	Indicates a comment specified on the same line as the configuration statement to which it applies.	<b>rsvp { # Required for dynamic MPLS only</b>
[ ] (square brackets)	Enclose a variable for which you can substitute one or more values.	<b>community name members [ community-ids ]</b>
Indentation and braces ( { } )	Identify a level in the configuration hierarchy.	<b>[edit]</b> routing-options { static { route default { nexthop <i>address</i> ; retain; } } }
;(semicolon)	Identifies a leaf statement at a configuration hierarchy level.	
<b>J-Web GUI Conventions</b>		
<b>Bold text like this</b>	Represents J-Web graphical user interface (GUI) items you click or select.	<ul style="list-style-type: none"> <li>In the Logical Interfaces box, select <b>All Interfaces</b>.</li> <li>To cancel the configuration, click <b>Cancel</b>.</li> </ul>
> (bold right angle bracket)	Separates levels in a hierarchy of J-Web selections.	In the configuration editor hierarchy, select <b>Protocols&gt;Ospf</b> .

## Documentation Feedback

We encourage you to provide feedback, comments, and suggestions so that we can improve the documentation. You can send your comments to [techpubs-comments@juniper.net](mailto:techpubs-comments@juniper.net), or fill out the documentation feedback form at <https://www.juniper.net/cgi-bin/docbugreport/>. If you are using e-mail, be sure to include the following information with your comments:

- Document or topic name
- URL or page number
- Software release version (if applicable)

## Requesting Technical Support

Technical product support is available through the Juniper Networks Technical Assistance Center (JTAC). If you are a customer with an active J-Care or JNASC support contract,

or are covered under warranty, and need postsales technical support, you can access our tools and resources online or open a case with JTAC.

- JTAC policies—For a complete understanding of our JTAC procedures and policies, review the JTAC User Guide located at <http://www.juniper.net/us/en/local/pdf/resource-guides/7100059-en.pdf> .
- Product warranties—For product warranty information, visit <http://www.juniper.net/support/warranty/> .
- JTAC Hours of Operation —The JTAC centers have resources available 24 hours a day, 7 days a week, 365 days a year.

## Self-Help Online Tools and Resources

For quick and easy problem resolution, Juniper Networks has designed an online self-service portal called the Customer Support Center (CSC) that provides you with the following features:

- Find CSC offerings: <http://www.juniper.net/customers/support/>
- Find product documentation: <http://www.juniper.net/techpubs/>
- Find solutions and answer questions using our Knowledge Base: <http://kb.juniper.net/>
- Download the latest versions of software and review release notes: <http://www.juniper.net/customers/csc/software/>
- Search technical bulletins for relevant hardware and software notifications: <https://www.juniper.net/alerts/>
- Join and participate in the Juniper Networks Community Forum: <http://www.juniper.net/company/communities/>
- Open a case online in the CSC Case Management tool: <http://www.juniper.net/cm/>

To verify service entitlement by product serial number, use our Serial Number Entitlement (SNE) Tool: <https://tools.juniper.net/SerialNumberEntitlementSearch/>

## Opening a Case with JTAC

You can open a case with JTAC on the Web or by telephone.

- Use the Case Management tool in the CSC at <http://www.juniper.net/cm/> .
- Call 1-888-314-JTAC (1-888-314-5822 toll-free in the USA, Canada, and Mexico).

For international or direct-dial options in countries without toll-free numbers, visit us at <http://www.juniper.net/support/requesting-support.html>



## PART 1

# Mapping Between Operational Tag Elements, Perl Methods, and CLI Commands

- [Mapping Between Operational Tag Elements, Perl Methods, and CLI Commands for M, MX, and T Series on page 3](#)
- [Mapping Between Operational Tag Elements, Perl Methods, and CLI Commands for EX Series and QFX Series on page 199](#)
- [Mapping Between Operational Tag Elements, Perl Methods, and CLI Commands for J Series and SRX Series on page 211](#)



## CHAPTER 1

# Mapping Between Operational Tag Elements, Perl Methods, and CLI Commands for M, MX, and T Series

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ancp neighbor	<clear-ancp-neighbor-connection>	<ancp-neighbor-information>
clear ancp subscriber identifier	<clear-ancp-subscriber-identifier-information>	<ancp-subscriber-identifier-information>
clear arp	<clear-arp-table>	<clear-arp-table-results>
clear auto-configuration interfaces	<clear-auto-configuration-interfaces>	<none>
clear bgp damping	<clear-bgp-damping>	<NONE>
clear bgp neighbor	<clear-bgp-neighbor>	<NONE>
clear bgp table	<clear-bgp-table>	<NONE>
clear bridge mac-table	<clear-bridge-mac-table>	<NONE>
clear bridge mac-table interface	<clear-bridge-interface-mac-table>	<NONE>
clear database-replication statistics	<clear-database-replication-statistics-information>	<NONE>
clear ddos-protection protocols ancp aggregate states	<clear-ddos-ancp-aggregate-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols ancp aggregate states	<clear-ddos-ancp-aggregate-states>	<none>
clear ddos-protection protocols ancp aggregate statistics	<clear-ddos-ancp-aggregate-statistics>	<none>
clear ddos-protection protocols ancp aggregate statistics	<clear-ddos-ancp-aggregate-statistics>	<none>
clear ddos-protection protocols ancp states	<clear-ddos-ancp-states>	<none>
clear ddos-protection protocols ancp states	<clear-ddos-ancp-states>	<none>
clear ddos-protection protocols ancp statistics	<clear-ddos-ancp-statistics>	<none>
clear ddos-protection protocols ancp statistics	<clear-ddos-ancp-statistics>	<none>
clear ddos-protection protocols ancpv6 aggregate states	<clear-ddos-ancpv6-aggregate-states>	<none>
clear ddos-protection protocols ancpv6 aggregate states	<clear-ddos-ancpv6-aggregate-states>	<none>
clear ddos-protection protocols ancpv6 aggregate statistics	<clear-ddos-ancpv6-aggregate-statistics>	<none>
clear ddos-protection protocols ancpv6 aggregate statistics	<clear-ddos-ancpv6-aggregate-statistics>	<none>
clear ddos-protection protocols ancpv6 states	<clear-ddos-ancpv6-states>	<none>
clear ddos-protection protocols ancpv6 states	<clear-ddos-ancpv6-states>	<none>
clear ddos-protection protocols ancpv6 statistics	<clear-ddos-ancpv6-statistics>	<none>



**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols ancpv6 statistics	<clear-ddos-ancpv6-statistics>	<none>
clear ddos-protection protocols arp aggregate states	<clear-ddos-arp-aggregate-states>	<none>
clear ddos-protection protocols arp aggregate states	<clear-ddos-arp-aggregate-states>	<none>
clear ddos-protection protocols arp aggregate statistics	<clear-ddos-arp-aggregate-statistics>	<none>
clear ddos-protection protocols arp aggregate statistics	<clear-ddos-arp-aggregate-statistics>	<none>
clear ddos-protection protocols arp states	<clear-ddos-arp-states>	<none>
clear ddos-protection protocols arp states	<clear-ddos-arp-states>	<none>
clear ddos-protection protocols arp statistics	<clear-ddos-arp-statistics>	<none>
clear ddos-protection protocols arp statistics	<clear-ddos-arp-statistics>	<none>
clear ddos-protection protocols atm aggregate states	<clear-ddos-atm-aggregate-states>	<none>
clear ddos-protection protocols atm aggregate states	<clear-ddos-atm-aggregate-states>	<none>
clear ddos-protection protocols atm aggregate statistics	<clear-ddos-atm-aggregate-statistics>	<none>
clear ddos-protection protocols atm aggregate statistics	<clear-ddos-atm-aggregate-statistics>	<none>
clear ddos-protection protocols atm states	<clear-ddos-atm-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols atm states	<clear-ddos-atm-states>	<none>
clear ddos-protection protocols atm statistics	<clear-ddos-atm-statistics>	<none>
clear ddos-protection protocols atm statistics	<clear-ddos-atm-statistics>	<none>
clear ddos-protection protocols bfd aggregate states	<clear-ddos-bfd-aggregate-states>	<none>
clear ddos-protection protocols bfd aggregate states	<clear-ddos-bfd-aggregate-states>	<none>
clear ddos-protection protocols bfd aggregate statistics	<clear-ddos-bfd-aggregate-statistics>	<none>
clear ddos-protection protocols bfd aggregate statistics	<clear-ddos-bfd-aggregate-statistics>	<none>
clear ddos-protection protocols bfd states	<clear-ddos-bfd-states>	<none>
clear ddos-protection protocols bfd states	<clear-ddos-bfd-states>	<none>
clear ddos-protection protocols bfd statistics	<clear-ddos-bfd-statistics>	<none>
clear ddos-protection protocols bfd statistics	<clear-ddos-bfd-statistics>	<none>
clear ddos-protection protocols bfdv6 aggregate states	<clear-ddos-bfdv6-aggregate-states>	<none>
clear ddos-protection protocols bfdv6 aggregate states	<clear-ddos-bfdv6-aggregate-states>	<none>
clear ddos-protection protocols bfdv6 aggregate statistics	<clear-ddos-bfdv6-aggregate-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols bfdv6 aggregate statistics	<clear-ddos-bfdv6-aggregate-statistics>	<none>
clear ddos-protection protocols bfdv6 states	<clear-ddos-bfdv6-states>	<none>
clear ddos-protection protocols bfdv6 states	<clear-ddos-bfdv6-states>	<none>
clear ddos-protection protocols bfdv6 statistics	<clear-ddos-bfdv6-statistics>	<none>
clear ddos-protection protocols bfdv6 statistics	<clear-ddos-bfdv6-statistics>	<none>
clear ddos-protection protocols bgp aggregate states	<clear-ddos-bgp-aggregate-states>	<none>
clear ddos-protection protocols bgp aggregate states	<clear-ddos-bgp-aggregate-states>	<none>
clear ddos-protection protocols bgp aggregate statistics	<clear-ddos-bgp-aggregate-statistics>	<none>
clear ddos-protection protocols bgp aggregate statistics	<clear-ddos-bgp-aggregate-statistics>	<none>
clear ddos-protection protocols bgp states	<clear-ddos-bgp-states>	<none>
clear ddos-protection protocols bgp states	<clear-ddos-bgp-states>	<none>
clear ddos-protection protocols bgp statistics	<clear-ddos-bgp-statistics>	<none>
clear ddos-protection protocols bgp statistics	<clear-ddos-bgp-statistics>	<none>
clear ddos-protection protocols bgpv6 aggregate states	<clear-ddos-bgpv6-aggregate-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols bgpv6 aggregate states	<clear-ddos-bgpv6-aggregate-states>	<none>
clear ddos-protection protocols bgpv6 aggregate statistics	<clear-ddos-bgpv6-aggregate-statistics>	<none>
clear ddos-protection protocols bgpv6 aggregate statistics	<clear-ddos-bgpv6-aggregate-statistics>	<none>
clear ddos-protection protocols bgpv6 states	<clear-ddos-bgpv6-states>	<none>
clear ddos-protection protocols bgpv6 states	<clear-ddos-bgpv6-states>	<none>
clear ddos-protection protocols bgpv6 statistics	<clear-ddos-bgpv6-statistics>	<none>
clear ddos-protection protocols bgpv6 statistics	<clear-ddos-bgpv6-statistics>	<none>
clear ddos-protection protocols demux-autosense aggregate states	<clear-ddos-demuxauto-aggregate-states>	<none>
clear ddos-protection protocols demux-autosense aggregate states	<clear-ddos-demuxauto-aggregate-states>	<none>
clear ddos-protection protocols demux-autosense aggregate statistics	<clear-ddos-demuxauto-aggregate-statistics>	<none>
clear ddos-protection protocols demux-autosense aggregate statistics	<clear-ddos-demuxauto-aggregate-statistics>	<none>
clear ddos-protection protocols demux-autosense states	<clear-ddos-demuxauto-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols demux-autosense states	<clear-ddos-demuxauto-states>	<none>
clear ddos-protection protocols demux-autosense statistics	<clear-ddos-demuxauto-statistics>	<none>
clear ddos-protection protocols demux-autosense statistics	<clear-ddos-demuxauto-statistics>	<none>
clear ddos-protection protocols dhcpv4 ack states	<clear-ddos-dhcpv4-ack-states>	<none>
clear ddos-protection protocols dhcpv4 ack states	<clear-ddos-dhcpv4-ack-states>	<none>
clear ddos-protection protocols dhcpv4 ack statistics	<clear-ddos-dhcpv4-ack-statistics>	<none>
clear ddos-protection protocols dhcpv4 ack statistics	<clear-ddos-dhcpv4-ack-statistics>	<none>
clear ddos-protection protocols dhcpv4 aggregate states	<clear-ddos-dhcpv4-aggregate-states>	<none>
clear ddos-protection protocols dhcpv4 aggregate states	<clear-ddos-dhcpv4-aggregate-states>	<none>
clear ddos-protection protocols dhcpv4 aggregate statistics	<clear-ddos-dhcpv4-aggregate-statistics>	<none>
clear ddos-protection protocols dhcpv4 aggregate statistics	<clear-ddos-dhcpv4-aggregate-statistics>	<none>
clear ddos-protection protocols dhcpv4 bad-packets states	<clear-ddos-dhcpv4-bad-pack-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols dhcpv4 bad-packets states	<clear-ddos-dhcpv4-bad-pack-states>	<none>
clear ddos-protection protocols dhcpv4 bad-packets statistics	<clear-ddos-dhcpv4-bad-pack-statistics>	<none>
clear ddos-protection protocols dhcpv4 bad-packets statistics	<clear-ddos-dhcpv4-bad-pack-statistics>	<none>
clear ddos-protection protocols dhcpv4 bootp states	<clear-ddos-dhcpv4-bootp-states>	<none>
clear ddos-protection protocols dhcpv4 bootp states	<clear-ddos-dhcpv4-bootp-states>	<none>
clear ddos-protection protocols dhcpv4 bootp statistics	<clear-ddos-dhcpv4-bootp-statistics>	<none>
clear ddos-protection protocols dhcpv4 bootp statistics	<clear-ddos-dhcpv4-bootp-statistics>	<none>
clear ddos-protection protocols dhcpv4 decline states	<clear-ddos-dhcpv4-decline-states>	<none>
clear ddos-protection protocols dhcpv4 decline states	<clear-ddos-dhcpv4-decline-states>	<none>
clear ddos-protection protocols dhcpv4 decline statistics	<clear-ddos-dhcpv4-decline-statistics>	<none>
clear ddos-protection protocols dhcpv4 decline statistics	<clear-ddos-dhcpv4-decline-statistics>	<none>
clear ddos-protection protocols dhcpv4 discover states	<clear-ddos-dhcpv4-discover-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols dhcpv4 discover states	<clear-ddos-dhcpv4-discover-states>	<none>
clear ddos-protection protocols dhcpv4 discover statistics	<clear-ddos-dhcpv4-discover-statistics>	<none>
clear ddos-protection protocols dhcpv4 discover statistics	<clear-ddos-dhcpv4-discover-statistics>	<none>
clear ddos-protection protocols dhcpv4 force-renew states	<clear-ddos-dhcpv4-forcerenew-states>	<none>
clear ddos-protection protocols dhcpv4 force-renew states	<clear-ddos-dhcpv4-forcerenew-states>	<none>
clear ddos-protection protocols dhcpv4 force-renew statistics	<clear-ddos-dhcpv4-forcerenew-statistics>	<none>
clear ddos-protection protocols dhcpv4 force-renew statistics	<clear-ddos-dhcpv4-forcerenew-statistics>	<none>
clear ddos-protection protocols dhcpv4 inform states	<clear-ddos-dhcpv4-inform-states>	<none>
clear ddos-protection protocols dhcpv4 inform states	<clear-ddos-dhcpv4-inform-states>	<none>
clear ddos-protection protocols dhcpv4 inform statistics	<clear-ddos-dhcpv4-inform-statistics>	<none>
clear ddos-protection protocols dhcpv4 inform statistics	<clear-ddos-dhcpv4-inform-statistics>	<none>
clear ddos-protection protocols dhcpv4 lease-active states	<clear-ddos-dhcpv4-leaseact-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols dhcpv4 lease-active states	<clear-ddos-dhcpv4-leaseact-states>	<none>
clear ddos-protection protocols dhcpv4 lease-active statistics	<clear-ddos-dhcpv4-leaseact-statistics>	<none>
clear ddos-protection protocols dhcpv4 lease-active statistics	<clear-ddos-dhcpv4-leaseact-statistics>	<none>
clear ddos-protection protocols dhcpv4 lease-query states	<clear-ddos-dhcpv4-leasequery-states>	<none>
clear ddos-protection protocols dhcpv4 lease-query states	<clear-ddos-dhcpv4-leasequery-states>	<none>
clear ddos-protection protocols dhcpv4 lease-query statistics	<clear-ddos-dhcpv4-leasequery-statistics>	<none>
clear ddos-protection protocols dhcpv4 lease-query statistics	<clear-ddos-dhcpv4-leasequery-statistics>	<none>
clear ddos-protection protocols dhcpv4 lease-unassigned states	<clear-ddos-dhcpv4-leaseuna-states>	<none>
clear ddos-protection protocols dhcpv4 lease-unassigned states	<clear-ddos-dhcpv4-leaseuna-states>	<none>
clear ddos-protection protocols dhcpv4 lease-unassigned statistics	<clear-ddos-dhcpv4-leaseuna-statistics>	<none>
clear ddos-protection protocols dhcpv4 lease-unassigned statistics	<clear-ddos-dhcpv4-leaseuna-statistics>	<none>
clear ddos-protection protocols dhcpv4 lease-unknown states	<clear-ddos-dhcpv4-leaseunk-states>	<none>



**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols dhcpv4 lease-unknown states	<clear-ddos-dhcpv4-leaseunk-states>	<none>
clear ddos-protection protocols dhcpv4 lease-unknown statistics	<clear-ddos-dhcpv4-leaseunk-statistics>	<none>
clear ddos-protection protocols dhcpv4 lease-unknown statistics	<clear-ddos-dhcpv4-leaseunk-statistics>	<none>
clear ddos-protection protocols dhcpv4 nak states	<clear-ddos-dhcpv4-nak-states>	<none>
clear ddos-protection protocols dhcpv4 nak states	<clear-ddos-dhcpv4-nak-states>	<none>
clear ddos-protection protocols dhcpv4 nak statistics	<clear-ddos-dhcpv4-nak-statistics>	<none>
clear ddos-protection protocols dhcpv4 nak statistics	<clear-ddos-dhcpv4-nak-statistics>	<none>
clear ddos-protection protocols dhcpv4 no-message-type states	<clear-ddos-dhcpv4-no-msgtype-states>	<none>
clear ddos-protection protocols dhcpv4 no-message-type states	<clear-ddos-dhcpv4-no-msgtype-states>	<none>
clear ddos-protection protocols dhcpv4 no-message-type statistics	<clear-ddos-dhcpv4-no-msgtype-statistics>	<none>
clear ddos-protection protocols dhcpv4 no-message-type statistics	<clear-ddos-dhcpv4-no-msgtype-statistics>	<none>
clear ddos-protection protocols dhcpv4 offer states	<clear-ddos-dhcpv4-offer-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols dhcpv4 offer states	<clear-ddos-dhcpv4-offer-states>	<none>
clear ddos-protection protocols dhcpv4 offer statistics	<clear-ddos-dhcpv4-offer-statistics>	<none>
clear ddos-protection protocols dhcpv4 offer statistics	<clear-ddos-dhcpv4-offer-statistics>	<none>
clear ddos-protection protocols dhcpv4 release states	<clear-ddos-dhcpv4-release-states>	<none>
clear ddos-protection protocols dhcpv4 release states	<clear-ddos-dhcpv4-release-states>	<none>
clear ddos-protection protocols dhcpv4 release statistics	<clear-ddos-dhcpv4-release-statistics>	<none>
clear ddos-protection protocols dhcpv4 release statistics	<clear-ddos-dhcpv4-release-statistics>	<none>
clear ddos-protection protocols dhcpv4 renew states	<clear-ddos-dhcpv4-renew-states>	<none>
clear ddos-protection protocols dhcpv4 renew states	<clear-ddos-dhcpv4-renew-states>	<none>
clear ddos-protection protocols dhcpv4 renew statistics	<clear-ddos-dhcpv4-renew-statistics>	<none>
clear ddos-protection protocols dhcpv4 renew statistics	<clear-ddos-dhcpv4-renew-statistics>	<none>
clear ddos-protection protocols dhcpv4 request states	<clear-ddos-dhcpv4-request-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols dhcpv4 request states	<clear-ddos-dhcpv4-request-states>	<none>
clear ddos-protection protocols dhcpv4 request statistics	<clear-ddos-dhcpv4-request-statistics>	<none>
clear ddos-protection protocols dhcpv4 request statistics	<clear-ddos-dhcpv4-request-statistics>	<none>
clear ddos-protection protocols dhcpv4 states	<clear-ddos-dhcpv4-states>	<none>
clear ddos-protection protocols dhcpv4 states	<clear-ddos-dhcpv4-states>	<none>
clear ddos-protection protocols dhcpv4 statistics	<clear-ddos-dhcpv4-statistics>	<none>
clear ddos-protection protocols dhcpv4 statistics	<clear-ddos-dhcpv4-statistics>	<none>
clear ddos-protection protocols dhcpv4 unclassified states	<clear-ddos-dhcpv4-unclass-states>	<none>
clear ddos-protection protocols dhcpv4 unclassified states	<clear-ddos-dhcpv4-unclass-states>	<none>
clear ddos-protection protocols dhcpv4 unclassified statistics	<clear-ddos-dhcpv4-unclass-statistics>	<none>
clear ddos-protection protocols dhcpv4 unclassified statistics	<clear-ddos-dhcpv4-unclass-statistics>	<none>
clear ddos-protection protocols dhcpv6 advertise states	<clear-ddos-dhcpv6-advertise-states>	<none>
clear ddos-protection protocols dhcpv6 advertise states	<clear-ddos-dhcpv6-advertise-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols dhcpv6 advertise statistics	<clear-ddos-dhcpv6-advertise-statistics>	<none>
clear ddos-protection protocols dhcpv6 advertise statistics	<clear-ddos-dhcpv6-advertise-statistics>	<none>
clear ddos-protection protocols dhcpv6 aggregate states	<clear-ddos-dhcpv6-aggregate-states>	<none>
clear ddos-protection protocols dhcpv6 aggregate states	<clear-ddos-dhcpv6-aggregate-states>	<none>
clear ddos-protection protocols dhcpv6 aggregate statistics	<clear-ddos-dhcpv6-aggregate-statistics>	<none>
clear ddos-protection protocols dhcpv6 aggregate statistics	<clear-ddos-dhcpv6-aggregate-statistics>	<none>
clear ddos-protection protocols dhcpv6 confirm states	<clear-ddos-dhcpv6-confirm-states>	<none>
clear ddos-protection protocols dhcpv6 confirm states	<clear-ddos-dhcpv6-confirm-states>	<none>
clear ddos-protection protocols dhcpv6 confirm statistics	<clear-ddos-dhcpv6-confirm-statistics>	<none>
clear ddos-protection protocols dhcpv6 confirm statistics	<clear-ddos-dhcpv6-confirm-statistics>	<none>
clear ddos-protection protocols dhcpv6 decline states	<clear-ddos-dhcpv6-decline-states>	<none>
clear ddos-protection protocols dhcpv6 decline states	<clear-ddos-dhcpv6-decline-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols dhcpv6 decline statistics	<clear-ddos-dhcpv6-decline-statistics>	<none>
clear ddos-protection protocols dhcpv6 decline statistics	<clear-ddos-dhcpv6-decline-statistics>	<none>
clear ddos-protection protocols dhcpv6 information-request states	<clear-ddos-dhcpv6-info-req-states>	<none>
clear ddos-protection protocols dhcpv6 information-request states	<clear-ddos-dhcpv6-info-req-states>	<none>
clear ddos-protection protocols dhcpv6 information-request statistics	<clear-ddos-dhcpv6-info-req-statistics>	<none>
clear ddos-protection protocols dhcpv6 information-request statistics	<clear-ddos-dhcpv6-info-req-statistics>	<none>
clear ddos-protection protocols dhcpv6 leasequery states	<clear-ddos-dhcpv6-leasequery-states>	<none>
clear ddos-protection protocols dhcpv6 leasequery states	<clear-ddos-dhcpv6-leasequery-states>	<none>
clear ddos-protection protocols dhcpv6 leasequery statistics	<clear-ddos-dhcpv6-leasequery-statistics>	<none>
clear ddos-protection protocols dhcpv6 leasequery statistics	<clear-ddos-dhcpv6-leasequery-statistics>	<none>
clear ddos-protection protocols dhcpv6 leasequery-data states	<clear-ddos-dhcpv6-leaseq-da-states>	<none>
clear ddos-protection protocols dhcpv6 leasequery-data states	<clear-ddos-dhcpv6-leaseq-da-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols dhcpv6 leasequery-data statistics	<clear-ddos-dhcpv6-leaseq-da-statistics>	<none>
clear ddos-protection protocols dhcpv6 leasequery-data statistics	<clear-ddos-dhcpv6-leaseq-da-statistics>	<none>
clear ddos-protection protocols dhcpv6 leasequery-done states	<clear-ddos-dhcpv6-leaseq-do-states>	<none>
clear ddos-protection protocols dhcpv6 leasequery-done states	<clear-ddos-dhcpv6-leaseq-do-states>	<none>
clear ddos-protection protocols dhcpv6 leasequery-done statistics	<clear-ddos-dhcpv6-leaseq-do-statistics>	<none>
clear ddos-protection protocols dhcpv6 leasequery-done statistics	<clear-ddos-dhcpv6-leaseq-do-statistics>	<none>
clear ddos-protection protocols dhcpv6 leasequery-reply states	<clear-ddos-dhcpv6-leaseq-re-states>	<none>
clear ddos-protection protocols dhcpv6 leasequery-reply states	<clear-ddos-dhcpv6-leaseq-re-states>	<none>
clear ddos-protection protocols dhcpv6 leasequery-reply statistics	<clear-ddos-dhcpv6-leaseq-re-statistics>	<none>
clear ddos-protection protocols dhcpv6 leasequery-reply statistics	<clear-ddos-dhcpv6-leaseq-re-statistics>	<none>
clear ddos-protection protocols dhcpv6 rebind states	<clear-ddos-dhcpv6-rebind-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols dhcpv6 rebind states	<clear-ddos-dhcpv6-rebind-states>	<none>
clear ddos-protection protocols dhcpv6 rebind statistics	<clear-ddos-dhcpv6-rebind-statistics>	<none>
clear ddos-protection protocols dhcpv6 rebind statistics	<clear-ddos-dhcpv6-rebind-statistics>	<none>
clear ddos-protection protocols dhcpv6 reconfigure states	<clear-ddos-dhcpv6-reconfig-states>	<none>
clear ddos-protection protocols dhcpv6 reconfigure states	<clear-ddos-dhcpv6-reconfig-states>	<none>
clear ddos-protection protocols dhcpv6 reconfigure statistics	<clear-ddos-dhcpv6-reconfig-statistics>	<none>
clear ddos-protection protocols dhcpv6 reconfigure statistics	<clear-ddos-dhcpv6-reconfig-statistics>	<none>
clear ddos-protection protocols dhcpv6 relay-forward states	<clear-ddos-dhcpv6-relay-for-states>	<none>
clear ddos-protection protocols dhcpv6 relay-forward states	<clear-ddos-dhcpv6-relay-for-states>	<none>
clear ddos-protection protocols dhcpv6 relay-forward statistics	<clear-ddos-dhcpv6-relay-for-statistics>	<none>
clear ddos-protection protocols dhcpv6 relay-forward statistics	<clear-ddos-dhcpv6-relay-for-statistics>	<none>
clear ddos-protection protocols dhcpv6 relay-reply states	<clear-ddos-dhcpv6-relay-rep-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols dhcpv6 relay-reply states	<clear-ddos-dhcpv6-relay-rep-states>	<none>
clear ddos-protection protocols dhcpv6 relay-reply statistics	<clear-ddos-dhcpv6-relay-rep-statistics>	<none>
clear ddos-protection protocols dhcpv6 relay-reply statistics	<clear-ddos-dhcpv6-relay-rep-statistics>	<none>
clear ddos-protection protocols dhcpv6 release states	<clear-ddos-dhcpv6-release-states>	<none>
clear ddos-protection protocols dhcpv6 release states	<clear-ddos-dhcpv6-release-states>	<none>
clear ddos-protection protocols dhcpv6 release statistics	<clear-ddos-dhcpv6-release-statistics>	<none>
clear ddos-protection protocols dhcpv6 release statistics	<clear-ddos-dhcpv6-release-statistics>	<none>
clear ddos-protection protocols dhcpv6 renew states	<clear-ddos-dhcpv6-renew-states>	<none>
clear ddos-protection protocols dhcpv6 renew states	<clear-ddos-dhcpv6-renew-states>	<none>
clear ddos-protection protocols dhcpv6 renew statistics	<clear-ddos-dhcpv6-renew-statistics>	<none>
clear ddos-protection protocols dhcpv6 renew statistics	<clear-ddos-dhcpv6-renew-statistics>	<none>
clear ddos-protection protocols dhcpv6 reply states	<clear-ddos-dhcpv6-reply-states>	<none>



**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols dhcpv6 reply states	<clear-ddos-dhcpv6-reply-states>	<none>
clear ddos-protection protocols dhcpv6 reply statistics	<clear-ddos-dhcpv6-reply-statistics>	<none>
clear ddos-protection protocols dhcpv6 reply statistics	<clear-ddos-dhcpv6-reply-statistics>	<none>
clear ddos-protection protocols dhcpv6 request states	<clear-ddos-dhcpv6-request-states>	<none>
clear ddos-protection protocols dhcpv6 request states	<clear-ddos-dhcpv6-request-states>	<none>
clear ddos-protection protocols dhcpv6 request statistics	<clear-ddos-dhcpv6-request-statistics>	<none>
clear ddos-protection protocols dhcpv6 request statistics	<clear-ddos-dhcpv6-request-statistics>	<none>
clear ddos-protection protocols dhcpv6 solicit states	<clear-ddos-dhcpv6-solicit-states>	<none>
clear ddos-protection protocols dhcpv6 solicit states	<clear-ddos-dhcpv6-solicit-states>	<none>
clear ddos-protection protocols dhcpv6 solicit statistics	<clear-ddos-dhcpv6-solicit-statistics>	<none>
clear ddos-protection protocols dhcpv6 solicit statistics	<clear-ddos-dhcpv6-solicit-statistics>	<none>
clear ddos-protection protocols dhcpv6 states	<clear-ddos-dhcpv6-states>	<none>
clear ddos-protection protocols dhcpv6 states	<clear-ddos-dhcpv6-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols dhcpv6 statistics	<clear-ddos-dhcpv6-statistics>	<none>
clear ddos-protection protocols dhcpv6 statistics	<clear-ddos-dhcpv6-statistics>	<none>
clear ddos-protection protocols dhcpv6 unclassified states	<clear-ddos-dhcpv6-unclass-states>	<none>
clear ddos-protection protocols dhcpv6 unclassified states	<clear-ddos-dhcpv6-unclass-states>	<none>
clear ddos-protection protocols dhcpv6 unclassified statistics	<clear-ddos-dhcpv6-unclass-statistics>	<none>
clear ddos-protection protocols dhcpv6 unclassified statistics	<clear-ddos-dhcpv6-unclass-statistics>	<none>
clear ddos-protection protocols diameter aggregate states	<clear-ddos-diameter-aggregate-states>	<none>
clear ddos-protection protocols diameter aggregate states	<clear-ddos-diameter-aggregate-states>	<none>
clear ddos-protection protocols diameter aggregate statistics	<clear-ddos-diameter-aggregate-statistics>	<none>
clear ddos-protection protocols diameter aggregate statistics	<clear-ddos-diameter-aggregate-statistics>	<none>
clear ddos-protection protocols diameter states	<clear-ddos-diameter-states>	<none>
clear ddos-protection protocols diameter states	<clear-ddos-diameter-states>	<none>
clear ddos-protection protocols diameter statistics	<clear-ddos-diameter-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols diameter statistics	<clear-ddos-diameter-statistics>	<none>
clear ddos-protection protocols dns aggregate states	<clear-ddos-dns-aggregate-states>	<none>
clear ddos-protection protocols dns aggregate states	<clear-ddos-dns-aggregate-states>	<none>
clear ddos-protection protocols dns aggregate statistics	<clear-ddos-dns-aggregate-statistics>	<none>
clear ddos-protection protocols dns aggregate statistics	<clear-ddos-dns-aggregate-statistics>	<none>
clear ddos-protection protocols dns states	<clear-ddos-dns-states>	<none>
clear ddos-protection protocols dns states	<clear-ddos-dns-states>	<none>
clear ddos-protection protocols dns statistics	<clear-ddos-dns-statistics>	<none>
clear ddos-protection protocols dns statistics	<clear-ddos-dns-statistics>	<none>
clear ddos-protection protocols dtcp aggregate states	<clear-ddos-dtcp-aggregate-states>	<none>
clear ddos-protection protocols dtcp aggregate states	<clear-ddos-dtcp-aggregate-states>	<none>
clear ddos-protection protocols dtcp aggregate statistics	<clear-ddos-dtcp-aggregate-statistics>	<none>
clear ddos-protection protocols dtcp aggregate statistics	<clear-ddos-dtcp-aggregate-statistics>	<none>
clear ddos-protection protocols dtcp states	<clear-ddos-dtcp-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols dtcp states	<clear-ddos-dtcp-states>	<none>
clear ddos-protection protocols dtcp statistics	<clear-ddos-dtcp-statistics>	<none>
clear ddos-protection protocols dtcp statistics	<clear-ddos-dtcp-statistics>	<none>
clear ddos-protection protocols dynamic-vlan aggregate states	<clear-ddos-dynvlan-aggregate-states>	<none>
clear ddos-protection protocols dynamic-vlan aggregate states	<clear-ddos-dynvlan-aggregate-states>	<none>
clear ddos-protection protocols dynamic-vlan aggregate statistics	<clear-ddos-dynvlan-aggregate-statistics>	<none>
clear ddos-protection protocols dynamic-vlan aggregate statistics	<clear-ddos-dynvlan-aggregate-statistics>	<none>
clear ddos-protection protocols dynamic-vlan states	<clear-ddos-dynvlan-states>	<none>
clear ddos-protection protocols dynamic-vlan states	<clear-ddos-dynvlan-states>	<none>
clear ddos-protection protocols dynamic-vlan statistics	<clear-ddos-dynvlan-statistics>	<none>
clear ddos-protection protocols dynamic-vlan statistics	<clear-ddos-dynvlan-statistics>	<none>
clear ddos-protection protocols egpv6 aggregate states	<clear-ddos-egpv6-aggregate-states>	<none>
clear ddos-protection protocols egpv6 aggregate states	<clear-ddos-egpv6-aggregate-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols egpv6 aggregate statistics	<clear-ddos-egpv6-aggregate-statistics>	<none>
clear ddos-protection protocols egpv6 aggregate statistics	<clear-ddos-egpv6-aggregate-statistics>	<none>
clear ddos-protection protocols egpv6 states	<clear-ddos-egpv6-states>	<none>
clear ddos-protection protocols egpv6 states	<clear-ddos-egpv6-states>	<none>
clear ddos-protection protocols egpv6 statistics	<clear-ddos-egpv6-statistics>	<none>
clear ddos-protection protocols egpv6 statistics	<clear-ddos-egpv6-statistics>	<none>
clear ddos-protection protocols eoam aggregate states	<clear-ddos-eoam-aggregate-states>	<none>
clear ddos-protection protocols eoam aggregate states	<clear-ddos-eoam-aggregate-states>	<none>
clear ddos-protection protocols eoam aggregate statistics	<clear-ddos-eoam-aggregate-statistics>	<none>
clear ddos-protection protocols eoam aggregate statistics	<clear-ddos-eoam-aggregate-statistics>	<none>
clear ddos-protection protocols eoam states	<clear-ddos-eoam-states>	<none>
clear ddos-protection protocols eoam states	<clear-ddos-eoam-states>	<none>
clear ddos-protection protocols eoam statistics	<clear-ddos-eoam-statistics>	<none>
clear ddos-protection protocols eoam statistics	<clear-ddos-eoam-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols esmc aggregate states	<clear-ddos-esmc-aggregate-states>	<none>
clear ddos-protection protocols esmc aggregate states	<clear-ddos-esmc-aggregate-states>	<none>
clear ddos-protection protocols esmc aggregate statistics	<clear-ddos-esmc-aggregate-statistics>	<none>
clear ddos-protection protocols esmc aggregate statistics	<clear-ddos-esmc-aggregate-statistics>	<none>
clear ddos-protection protocols esmc states	<clear-ddos-esmc-states>	<none>
clear ddos-protection protocols esmc states	<clear-ddos-esmc-states>	<none>
clear ddos-protection protocols esmc statistics	<clear-ddos-esmc-statistics>	<none>
clear ddos-protection protocols esmc statistics	<clear-ddos-esmc-statistics>	<none>
clear ddos-protection protocols firewall-host aggregate states	<clear-ddos-fw-host-aggregate-states>	<none>
clear ddos-protection protocols firewall-host aggregate states	<clear-ddos-fw-host-aggregate-states>	<none>
clear ddos-protection protocols firewall-host aggregate statistics	<clear-ddos-fw-host-aggregate-statistics>	<none>
clear ddos-protection protocols firewall-host aggregate statistics	<clear-ddos-fw-host-aggregate-statistics>	<none>
clear ddos-protection protocols firewall-host states	<clear-ddos-fw-host-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols firewall-host states	<clear-ddos-fw-host-states>	<none>
clear ddos-protection protocols firewall-host statistics	<clear-ddos-fw-host-statistics>	<none>
clear ddos-protection protocols firewall-host statistics	<clear-ddos-fw-host-statistics>	<none>
clear ddos-protection protocols firewall-reject aggregate states	<clear-ddos-fw-reject-aggregate-states>	<none>
clear ddos-protection protocols firewall-reject aggregate states	<clear-ddos-fw-reject-aggregate-states>	<none>
clear ddos-protection protocols firewall-reject aggregate statistics	<clear-ddos-fw-reject-aggregate-statistics>	<none>
clear ddos-protection protocols firewall-reject aggregate statistics	<clear-ddos-fw-reject-aggregate-statistics>	<none>
clear ddos-protection protocols firewall-reject states	<clear-ddos-fw-reject-states>	<none>
clear ddos-protection protocols firewall-reject states	<clear-ddos-fw-reject-states>	<none>
clear ddos-protection protocols firewall-reject statistics	<clear-ddos-fw-reject-statistics>	<none>
clear ddos-protection protocols firewall-reject statistics	<clear-ddos-fw-reject-statistics>	<none>
clear ddos-protection protocols ftp aggregate states	<clear-ddos-ftp-aggregate-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols ftp aggregate states	<clear-ddos-ftp-aggregate-states>	<none>
clear ddos-protection protocols ftp aggregate statistics	<clear-ddos-ftp-aggregate-statistics>	<none>
clear ddos-protection protocols ftp aggregate statistics	<clear-ddos-ftp-aggregate-statistics>	<none>
clear ddos-protection protocols ftp states	<clear-ddos-ftp-states>	<none>
clear ddos-protection protocols ftp states	<clear-ddos-ftp-states>	<none>
clear ddos-protection protocols ftp statistics	<clear-ddos-ftp-statistics>	<none>
clear ddos-protection protocols ftp statistics	<clear-ddos-ftp-statistics>	<none>
clear ddos-protection protocols ftpv6 aggregate states	<clear-ddos-ftp6-aggregate-states>	<none>
clear ddos-protection protocols ftpv6 aggregate states	<clear-ddos-ftp6-aggregate-states>	<none>
clear ddos-protection protocols ftpv6 aggregate statistics	<clear-ddos-ftp6-aggregate-statistics>	<none>
clear ddos-protection protocols ftpv6 aggregate statistics	<clear-ddos-ftp6-aggregate-statistics>	<none>
clear ddos-protection protocols ftpv6 states	<clear-ddos-ftp6-states>	<none>
clear ddos-protection protocols ftpv6 states	<clear-ddos-ftp6-states>	<none>
clear ddos-protection protocols ftpv6 statistics	<clear-ddos-ftp6-statistics>	<none>



**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols ftpv6 statistics	<clear-ddos-ftp6-statistics>	<none>
clear ddos-protection protocols gre aggregate states	<clear-ddos-gre-aggregate-states>	<none>
clear ddos-protection protocols gre aggregate states	<clear-ddos-gre-aggregate-states>	<none>
clear ddos-protection protocols gre aggregate statistics	<clear-ddos-gre-aggregate-statistics>	<none>
clear ddos-protection protocols gre aggregate statistics	<clear-ddos-gre-aggregate-statistics>	<none>
clear ddos-protection protocols gre states	<clear-ddos-gre-states>	<none>
clear ddos-protection protocols gre states	<clear-ddos-gre-states>	<none>
clear ddos-protection protocols gre statistics	<clear-ddos-gre-statistics>	<none>
clear ddos-protection protocols gre statistics	<clear-ddos-gre-statistics>	<none>
clear ddos-protection protocols icmp aggregate states	<clear-ddos-icmp-aggregate-states>	<none>
clear ddos-protection protocols icmp aggregate states	<clear-ddos-icmp-aggregate-states>	<none>
clear ddos-protection protocols icmp aggregate statistics	<clear-ddos-icmp-aggregate-statistics>	<none>
clear ddos-protection protocols icmp aggregate statistics	<clear-ddos-icmp-aggregate-statistics>	<none>
clear ddos-protection protocols icmp states	<clear-ddos-icmp-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols icmp states	<clear-ddos-icmp-states>	<none>
clear ddos-protection protocols icmp statistics	<clear-ddos-icmp-statistics>	<none>
clear ddos-protection protocols icmp statistics	<clear-ddos-icmp-statistics>	<none>
clear ddos-protection protocols igmp aggregate states	<clear-ddos-igmp-aggregate-states>	<none>
clear ddos-protection protocols igmp aggregate states	<clear-ddos-igmp-aggregate-states>	<none>
clear ddos-protection protocols igmp aggregate statistics	<clear-ddos-igmp-aggregate-statistics>	<none>
clear ddos-protection protocols igmp aggregate statistics	<clear-ddos-igmp-aggregate-statistics>	<none>
clear ddos-protection protocols igmp states	<clear-ddos-igmp-states>	<none>
clear ddos-protection protocols igmp states	<clear-ddos-igmp-states>	<none>
clear ddos-protection protocols igmp statistics	<clear-ddos-igmp-statistics>	<none>
clear ddos-protection protocols igmp statistics	<clear-ddos-igmp-statistics>	<none>
clear ddos-protection protocols igmp-snoop aggregate states	<clear-ddos-igmp-snoop-aggregate-states>	<none>
clear ddos-protection protocols igmp-snoop aggregate states	<clear-ddos-igmp-snoop-aggregate-states>	<none>
clear ddos-protection protocols igmp-snoop aggregate statistics	<clear-ddos-igmp-snoop-aggregate-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols igmp-snoop aggregate statistics	<clear-ddos-igmp-snoop-aggregate-statistics>	<none>
clear ddos-protection protocols igmp-snoop states	<clear-ddos-igmp-snoop-states>	<none>
clear ddos-protection protocols igmp-snoop states	<clear-ddos-igmp-snoop-states>	<none>
clear ddos-protection protocols igmp-snoop statistics	<clear-ddos-igmp-snoop-statistics>	<none>
clear ddos-protection protocols igmp-snoop statistics	<clear-ddos-igmp-snoop-statistics>	<none>
clear ddos-protection protocols igmpv4v6 aggregate states	<clear-ddos-igmpv4v6-aggregate-states>	<none>
clear ddos-protection protocols igmpv4v6 aggregate states	<clear-ddos-igmpv4v6-aggregate-states>	<none>
clear ddos-protection protocols igmpv4v6 aggregate statistics	<clear-ddos-igmpv4v6-aggregate-statistics>	<none>
clear ddos-protection protocols igmpv4v6 aggregate statistics	<clear-ddos-igmpv4v6-aggregate-statistics>	<none>
clear ddos-protection protocols igmpv4v6 states	<clear-ddos-igmpv4v6-states>	<none>
clear ddos-protection protocols igmpv4v6 states	<clear-ddos-igmpv4v6-states>	<none>
clear ddos-protection protocols igmpv4v6 statistics	<clear-ddos-igmpv4v6-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols igmpv4v6 statistics	<clear-ddos-igmpv4v6-statistics>	<none>
clear ddos-protection protocols igmpv6 aggregate states	<clear-ddos-igmpv6-aggregate-states>	<none>
clear ddos-protection protocols igmpv6 aggregate states	<clear-ddos-igmpv6-aggregate-states>	<none>
clear ddos-protection protocols igmpv6 aggregate statistics	<clear-ddos-igmpv6-aggregate-statistics>	<none>
clear ddos-protection protocols igmpv6 aggregate statistics	<clear-ddos-igmpv6-aggregate-statistics>	<none>
clear ddos-protection protocols igmpv6 states	<clear-ddos-igmpv6-states>	<none>
clear ddos-protection protocols igmpv6 states	<clear-ddos-igmpv6-states>	<none>
clear ddos-protection protocols igmpv6 statistics	<clear-ddos-igmpv6-statistics>	<none>
clear ddos-protection protocols igmpv6 statistics	<clear-ddos-igmpv6-statistics>	<none>
clear ddos-protection protocols ip-fragments aggregate states	<clear-ddos-ip-frag-aggregate-states>	<none>
clear ddos-protection protocols ip-fragments aggregate states	<clear-ddos-ip-frag-aggregate-states>	<none>
clear ddos-protection protocols ip-fragments aggregate statistics	<clear-ddos-ip-frag-aggregate-statistics>	<none>
clear ddos-protection protocols ip-fragments aggregate statistics	<clear-ddos-ip-frag-aggregate-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols ip-fragments first-fragment states	<clear-ddos-ip-frag-first-frag-states>	<none>
clear ddos-protection protocols ip-fragments first-fragment states	<clear-ddos-ip-frag-first-frag-states>	<none>
clear ddos-protection protocols ip-fragments first-fragment statistics	<clear-ddos-ip-frag-first-frag-statistics>	<none>
clear ddos-protection protocols ip-fragments first-fragment statistics	<clear-ddos-ip-frag-first-frag-statistics>	<none>
clear ddos-protection protocols ip-fragments states	<clear-ddos-ip-frag-states>	<none>
clear ddos-protection protocols ip-fragments states	<clear-ddos-ip-frag-states>	<none>
clear ddos-protection protocols ip-fragments statistics	<clear-ddos-ip-frag-statistics>	<none>
clear ddos-protection protocols ip-fragments statistics	<clear-ddos-ip-frag-statistics>	<none>
clear ddos-protection protocols ip-fragments trail-fragment states	<clear-ddos-ip-frag-trail-frag-states>	<none>
clear ddos-protection protocols ip-fragments trail-fragment states	<clear-ddos-ip-frag-trail-frag-states>	<none>
clear ddos-protection protocols ip-fragments trail-fragment statistics	<clear-ddos-ip-frag-trail-frag-statistics>	<none>
clear ddos-protection protocols ip-fragments trail-fragment statistics	<clear-ddos-ip-frag-trail-frag-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols ip-options aggregate states	<clear-ddos-ip-opt-aggregate-states>	<none>
clear ddos-protection protocols ip-options aggregate states	<clear-ddos-ip-opt-aggregate-states>	<none>
clear ddos-protection protocols ip-options aggregate statistics	<clear-ddos-ip-opt-aggregate-statistics>	<none>
clear ddos-protection protocols ip-options aggregate statistics	<clear-ddos-ip-opt-aggregate-statistics>	<none>
clear ddos-protection protocols ip-options router-alert states	<clear-ddos-ip-opt-rt-alert-states>	<none>
clear ddos-protection protocols ip-options router-alert states	<clear-ddos-ip-opt-rt-alert-states>	<none>
clear ddos-protection protocols ip-options router-alert statistics	<clear-ddos-ip-opt-rt-alert-statistics>	<none>
clear ddos-protection protocols ip-options router-alert statistics	<clear-ddos-ip-opt-rt-alert-statistics>	<none>
clear ddos-protection protocols ip-options states	<clear-ddos-ip-opt-states>	<none>
clear ddos-protection protocols ip-options states	<clear-ddos-ip-opt-states>	<none>
clear ddos-protection protocols ip-options statistics	<clear-ddos-ip-opt-statistics>	<none>
clear ddos-protection protocols ip-options statistics	<clear-ddos-ip-opt-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols ip-options unclassified states	<clear-ddos-ip-opt-unclass-states>	<none>
clear ddos-protection protocols ip-options unclassified states	<clear-ddos-ip-opt-unclass-states>	<none>
clear ddos-protection protocols ip-options unclassified statistics	<clear-ddos-ip-opt-unclass-statistics>	<none>
clear ddos-protection protocols ip-options unclassified statistics	<clear-ddos-ip-opt-unclass-statistics>	<none>
clear ddos-protection protocols ipv4-unclassified aggregate states	<clear-ddos-ipv4-uncls-aggregate-states>	<none>
clear ddos-protection protocols ipv4-unclassified aggregate states	<clear-ddos-ipv4-uncls-aggregate-states>	<none>
clear ddos-protection protocols ipv4-unclassified aggregate statistics	<clear-ddos-ipv4-uncls-aggregate-statistics>	<none>
clear ddos-protection protocols ipv4-unclassified aggregate statistics	<clear-ddos-ipv4-uncls-aggregate-statistics>	<none>
clear ddos-protection protocols ipv4-unclassified states	<clear-ddos-ipv4-uncls-states>	<none>
clear ddos-protection protocols ipv4-unclassified states	<clear-ddos-ipv4-uncls-states>	<none>
clear ddos-protection protocols ipv4-unclassified statistics	<clear-ddos-ipv4-uncls-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols ipv4-unclassified statistics	<clear-ddos-ipv4-uncls-statistics>	<none>
clear ddos-protection protocols ipv6-unclassified aggregate states	<clear-ddos-ipv6-uncls-aggregate-states>	<none>
clear ddos-protection protocols ipv6-unclassified aggregate states	<clear-ddos-ipv6-uncls-aggregate-states>	<none>
clear ddos-protection protocols ipv6-unclassified aggregate statistics	<clear-ddos-ipv6-uncls-aggregate-statistics>	<none>
clear ddos-protection protocols ipv6-unclassified aggregate statistics	<clear-ddos-ipv6-uncls-aggregate-statistics>	<none>
clear ddos-protection protocols ipv6-unclassified states	<clear-ddos-ipv6-uncls-states>	<none>
clear ddos-protection protocols ipv6-unclassified states	<clear-ddos-ipv6-uncls-states>	<none>
clear ddos-protection protocols ipv6-unclassified statistics	<clear-ddos-ipv6-uncls-statistics>	<none>
clear ddos-protection protocols ipv6-unclassified statistics	<clear-ddos-ipv6-uncls-statistics>	<none>
clear ddos-protection protocols isis aggregate states	<clear-ddos-isis-aggregate-states>	<none>
clear ddos-protection protocols isis aggregate states	<clear-ddos-isis-aggregate-states>	<none>



**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols isis aggregate statistics	<clear-ddos-isis-aggregate-statistics>	<none>
clear ddos-protection protocols isis aggregate statistics	<clear-ddos-isis-aggregate-statistics>	<none>
clear ddos-protection protocols isis states	<clear-ddos-isis-states>	<none>
clear ddos-protection protocols isis states	<clear-ddos-isis-states>	<none>
clear ddos-protection protocols isis statistics	<clear-ddos-isis-statistics>	<none>
clear ddos-protection protocols isis statistics	<clear-ddos-isis-statistics>	<none>
clear ddos-protection protocols jfm aggregate states	<clear-ddos-jfm-aggregate-states>	<none>
clear ddos-protection protocols jfm aggregate states	<clear-ddos-jfm-aggregate-states>	<none>
clear ddos-protection protocols jfm aggregate statistics	<clear-ddos-jfm-aggregate-statistics>	<none>
clear ddos-protection protocols jfm aggregate statistics	<clear-ddos-jfm-aggregate-statistics>	<none>
clear ddos-protection protocols jfm states	<clear-ddos-jfm-states>	<none>
clear ddos-protection protocols jfm states	<clear-ddos-jfm-states>	<none>
clear ddos-protection protocols jfm statistics	<clear-ddos-jfm-statistics>	<none>
clear ddos-protection protocols jfm statistics	<clear-ddos-jfm-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols l2tp aggregate states	<clear-ddos-l2tp-aggregate-states>	<none>
clear ddos-protection protocols l2tp aggregate states	<clear-ddos-l2tp-aggregate-states>	<none>
clear ddos-protection protocols l2tp aggregate statistics	<clear-ddos-l2tp-aggregate-statistics>	<none>
clear ddos-protection protocols l2tp aggregate statistics	<clear-ddos-l2tp-aggregate-statistics>	<none>
clear ddos-protection protocols l2tp states	<clear-ddos-l2tp-states>	<none>
clear ddos-protection protocols l2tp states	<clear-ddos-l2tp-states>	<none>
clear ddos-protection protocols l2tp statistics	<clear-ddos-l2tp-statistics>	<none>
clear ddos-protection protocols l2tp statistics	<clear-ddos-l2tp-statistics>	<none>
clear ddos-protection protocols lacp aggregate states	<clear-ddos-lacp-aggregate-states>	<none>
clear ddos-protection protocols lacp aggregate states	<clear-ddos-lacp-aggregate-states>	<none>
clear ddos-protection protocols lacp aggregate statistics	<clear-ddos-lacp-aggregate-statistics>	<none>
clear ddos-protection protocols lacp aggregate statistics	<clear-ddos-lacp-aggregate-statistics>	<none>
clear ddos-protection protocols lacp states	<clear-ddos-lacp-states>	<none>
clear ddos-protection protocols lacp states	<clear-ddos-lacp-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols larp statistics	<clear-ddos-larp-statistics>	<none>
clear ddos-protection protocols larp statistics	<clear-ddos-larp-statistics>	<none>
clear ddos-protection protocols ldp aggregate states	<clear-ddos-ldp-aggregate-states>	<none>
clear ddos-protection protocols ldp aggregate states	<clear-ddos-ldp-aggregate-states>	<none>
clear ddos-protection protocols ldp aggregate statistics	<clear-ddos-ldp-aggregate-statistics>	<none>
clear ddos-protection protocols ldp aggregate statistics	<clear-ddos-ldp-aggregate-statistics>	<none>
clear ddos-protection protocols ldp states	<clear-ddos-ldp-states>	<none>
clear ddos-protection protocols ldp states	<clear-ddos-ldp-states>	<none>
clear ddos-protection protocols ldp statistics	<clear-ddos-ldp-statistics>	<none>
clear ddos-protection protocols ldp statistics	<clear-ddos-ldp-statistics>	<none>
clear ddos-protection protocols ldpv6 aggregate states	<clear-ddos-ldpv6-aggregate-states>	<none>
clear ddos-protection protocols ldpv6 aggregate states	<clear-ddos-ldpv6-aggregate-states>	<none>
clear ddos-protection protocols ldpv6 aggregate statistics	<clear-ddos-ldpv6-aggregate-statistics>	<none>
clear ddos-protection protocols ldpv6 aggregate statistics	<clear-ddos-ldpv6-aggregate-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols ldpv6 states	<clear-ddos-ldpv6-states>	<none>
clear ddos-protection protocols ldpv6 states	<clear-ddos-ldpv6-states>	<none>
clear ddos-protection protocols ldpv6 statistics	<clear-ddos-ldpv6-statistics>	<none>
clear ddos-protection protocols ldpv6 statistics	<clear-ddos-ldpv6-statistics>	<none>
clear ddos-protection protocols lldp aggregate states	<clear-ddos-lldp-aggregate-states>	<none>
clear ddos-protection protocols lldp aggregate states	<clear-ddos-lldp-aggregate-states>	<none>
clear ddos-protection protocols lldp aggregate statistics	<clear-ddos-lldp-aggregate-statistics>	<none>
clear ddos-protection protocols lldp aggregate statistics	<clear-ddos-lldp-aggregate-statistics>	<none>
clear ddos-protection protocols lldp states	<clear-ddos-lldp-states>	<none>
clear ddos-protection protocols lldp states	<clear-ddos-lldp-states>	<none>
clear ddos-protection protocols lldp statistics	<clear-ddos-lldp-statistics>	<none>
clear ddos-protection protocols lldp statistics	<clear-ddos-lldp-statistics>	<none>
clear ddos-protection protocols lmp aggregate states	<clear-ddos-lmp-aggregate-states>	<none>
clear ddos-protection protocols lmp aggregate states	<clear-ddos-lmp-aggregate-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols lmp aggregate statistics	<clear-ddos-lmp-aggregate-statistics>	<none>
clear ddos-protection protocols lmp aggregate statistics	<clear-ddos-lmp-aggregate-statistics>	<none>
clear ddos-protection protocols lmp states	<clear-ddos-lmp-states>	<none>
clear ddos-protection protocols lmp states	<clear-ddos-lmp-states>	<none>
clear ddos-protection protocols lmp statistics	<clear-ddos-lmp-statistics>	<none>
clear ddos-protection protocols lmp statistics	<clear-ddos-lmp-statistics>	<none>
clear ddos-protection protocols lmpv6 aggregate states	<clear-ddos-lmpv6-aggregate-states>	<none>
clear ddos-protection protocols lmpv6 aggregate states	<clear-ddos-lmpv6-aggregate-states>	<none>
clear ddos-protection protocols lmpv6 aggregate statistics	<clear-ddos-lmpv6-aggregate-statistics>	<none>
clear ddos-protection protocols lmpv6 aggregate statistics	<clear-ddos-lmpv6-aggregate-statistics>	<none>
clear ddos-protection protocols lmpv6 states	<clear-ddos-lmpv6-states>	<none>
clear ddos-protection protocols lmpv6 states	<clear-ddos-lmpv6-states>	<none>
clear ddos-protection protocols lmpv6 statistics	<clear-ddos-lmpv6-statistics>	<none>
clear ddos-protection protocols lmpv6 statistics	<clear-ddos-lmpv6-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols mac-host aggregate states	<clear-ddos-mac-host-aggregate-states>	<none>
clear ddos-protection protocols mac-host aggregate states	<clear-ddos-mac-host-aggregate-states>	<none>
clear ddos-protection protocols mac-host aggregate statistics	<clear-ddos-mac-host-aggregate-statistics>	<none>
clear ddos-protection protocols mac-host aggregate statistics	<clear-ddos-mac-host-aggregate-statistics>	<none>
clear ddos-protection protocols mac-host states	<clear-ddos-mac-host-states>	<none>
clear ddos-protection protocols mac-host states	<clear-ddos-mac-host-states>	<none>
clear ddos-protection protocols mac-host statistics	<clear-ddos-mac-host-statistics>	<none>
clear ddos-protection protocols mac-host statistics	<clear-ddos-mac-host-statistics>	<none>
clear ddos-protection protocols mlp aggregate states	<clear-ddos-mlp-aggregate-states>	<none>
clear ddos-protection protocols mlp aggregate states	<clear-ddos-mlp-aggregate-states>	<none>
clear ddos-protection protocols mlp aggregate statistics	<clear-ddos-mlp-aggregate-statistics>	<none>
clear ddos-protection protocols mlp aggregate statistics	<clear-ddos-mlp-aggregate-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols mlp aging-exception states	<clear-ddos-mlp-aging-exc-states>	<none>
clear ddos-protection protocols mlp aging-exception states	<clear-ddos-mlp-aging-exc-states>	<none>
clear ddos-protection protocols mlp aging-exception statistics	<clear-ddos-mlp-aging-exc-statistics>	<none>
clear ddos-protection protocols mlp aging-exception statistics	<clear-ddos-mlp-aging-exc-statistics>	<none>
clear ddos-protection protocols mlp packets states	<clear-ddos-mlp-packets-states>	<none>
clear ddos-protection protocols mlp packets states	<clear-ddos-mlp-packets-states>	<none>
clear ddos-protection protocols mlp packets statistics	<clear-ddos-mlp-packets-statistics>	<none>
clear ddos-protection protocols mlp packets statistics	<clear-ddos-mlp-packets-statistics>	<none>
clear ddos-protection protocols mlp states	<clear-ddos-mlp-states>	<none>
clear ddos-protection protocols mlp states	<clear-ddos-mlp-states>	<none>
clear ddos-protection protocols mlp statistics	<clear-ddos-mlp-statistics>	<none>
clear ddos-protection protocols mlp statistics	<clear-ddos-mlp-statistics>	<none>
clear ddos-protection protocols mlp unclassified states	<clear-ddos-mlp-unclass-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols mlp unclassified states	<clear-ddos-mlp-unclass-states>	<none>
clear ddos-protection protocols mlp unclassified statistics	<clear-ddos-mlp-unclass-statistics>	<none>
clear ddos-protection protocols mlp unclassified statistics	<clear-ddos-mlp-unclass-statistics>	<none>
clear ddos-protection protocols msdp aggregate states	<clear-ddos-msdp-aggregate-states>	<none>
clear ddos-protection protocols msdp aggregate states	<clear-ddos-msdp-aggregate-states>	<none>
clear ddos-protection protocols msdp aggregate statistics	<clear-ddos-msdp-aggregate-statistics>	<none>
clear ddos-protection protocols msdp aggregate statistics	<clear-ddos-msdp-aggregate-statistics>	<none>
clear ddos-protection protocols msdp states	<clear-ddos-msdp-states>	<none>
clear ddos-protection protocols msdp states	<clear-ddos-msdp-states>	<none>
clear ddos-protection protocols msdp statistics	<clear-ddos-msdp-statistics>	<none>
clear ddos-protection protocols msdp statistics	<clear-ddos-msdp-statistics>	<none>
clear ddos-protection protocols msdpv6 aggregate states	<clear-ddos-msdpv6-aggregate-states>	<none>
clear ddos-protection protocols msdpv6 aggregate states	<clear-ddos-msdpv6-aggregate-states>	<none>



**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols msdpv6 aggregate statistics	<clear-ddos-msdpv6-aggregate-statistics>	<none>
clear ddos-protection protocols msdpv6 aggregate statistics	<clear-ddos-msdpv6-aggregate-statistics>	<none>
clear ddos-protection protocols msdpv6 states	<clear-ddos-msdpv6-states>	<none>
clear ddos-protection protocols msdpv6 states	<clear-ddos-msdpv6-states>	<none>
clear ddos-protection protocols msdpv6 statistics	<clear-ddos-msdpv6-statistics>	<none>
clear ddos-protection protocols msdpv6 statistics	<clear-ddos-msdpv6-statistics>	<none>
clear ddos-protection protocols multicast-copy aggregate states	<clear-ddos-mcast-copy-aggregate-states>	<none>
clear ddos-protection protocols multicast-copy aggregate states	<clear-ddos-mcast-copy-aggregate-states>	<none>
clear ddos-protection protocols multicast-copy aggregate statistics	<clear-ddos-mcast-copy-aggregate-statistics>	<none>
clear ddos-protection protocols multicast-copy aggregate statistics	<clear-ddos-mcast-copy-aggregate-statistics>	<none>
clear ddos-protection protocols multicast-copy states	<clear-ddos-mcast-copy-states>	<none>
clear ddos-protection protocols multicast-copy states	<clear-ddos-mcast-copy-states>	<none>
clear ddos-protection protocols multicast-copy statistics	<clear-ddos-mcast-copy-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols multicast-copy statistics	<clear-ddos-mcast-copy-statistics>	<none>
clear ddos-protection protocols mvrp aggregate states	<clear-ddos-mvrp-aggregate-states>	<none>
clear ddos-protection protocols mvrp aggregate states	<clear-ddos-mvrp-aggregate-states>	<none>
clear ddos-protection protocols mvrp aggregate statistics	<clear-ddos-mvrp-aggregate-statistics>	<none>
clear ddos-protection protocols mvrp aggregate statistics	<clear-ddos-mvrp-aggregate-statistics>	<none>
clear ddos-protection protocols mvrp states	<clear-ddos-mvrp-states>	<none>
clear ddos-protection protocols mvrp states	<clear-ddos-mvrp-states>	<none>
clear ddos-protection protocols mvrp statistics	<clear-ddos-mvrp-statistics>	<none>
clear ddos-protection protocols mvrp statistics	<clear-ddos-mvrp-statistics>	<none>
clear ddos-protection protocols ntp aggregate states	<clear-ddos-ntp-aggregate-states>	<none>
clear ddos-protection protocols ntp aggregate states	<clear-ddos-ntp-aggregate-states>	<none>
clear ddos-protection protocols ntp aggregate statistics	<clear-ddos-ntp-aggregate-statistics>	<none>
clear ddos-protection protocols ntp aggregate statistics	<clear-ddos-ntp-aggregate-statistics>	<none>
clear ddos-protection protocols ntp states	<clear-ddos-ntp-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols ntp states	<clear-ddos-ntp-states>	<none>
clear ddos-protection protocols ntp statistics	<clear-ddos-ntp-statistics>	<none>
clear ddos-protection protocols ntp statistics	<clear-ddos-ntp-statistics>	<none>
clear ddos-protection protocols oam-lfm aggregate states	<clear-ddos-oam-lfm-aggregate-states>	<none>
clear ddos-protection protocols oam-lfm aggregate states	<clear-ddos-oam-lfm-aggregate-states>	<none>
clear ddos-protection protocols oam-lfm aggregate statistics	<clear-ddos-oam-lfm-aggregate-statistics>	<none>
clear ddos-protection protocols oam-lfm aggregate statistics	<clear-ddos-oam-lfm-aggregate-statistics>	<none>
clear ddos-protection protocols oam-lfm states	<clear-ddos-oam-lfm-states>	<none>
clear ddos-protection protocols oam-lfm states	<clear-ddos-oam-lfm-states>	<none>
clear ddos-protection protocols oam-lfm statistics	<clear-ddos-oam-lfm-statistics>	<none>
clear ddos-protection protocols oam-lfm statistics	<clear-ddos-oam-lfm-statistics>	<none>
clear ddos-protection protocols ospf aggregate states	<clear-ddos-ospf-aggregate-states>	<none>
clear ddos-protection protocols ospf aggregate states	<clear-ddos-ospf-aggregate-states>	<none>
clear ddos-protection protocols ospf aggregate statistics	<clear-ddos-ospf-aggregate-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols ospf aggregate statistics	<clear-ddos-ospf-aggregate-statistics>	<none>
clear ddos-protection protocols ospf states	<clear-ddos-ospf-states>	<none>
clear ddos-protection protocols ospf states	<clear-ddos-ospf-states>	<none>
clear ddos-protection protocols ospf statistics	<clear-ddos-ospf-statistics>	<none>
clear ddos-protection protocols ospf statistics	<clear-ddos-ospf-statistics>	<none>
clear ddos-protection protocols ospfv3v6 aggregate states	<clear-ddos-ospfv3v6-aggregate-states>	<none>
clear ddos-protection protocols ospfv3v6 aggregate states	<clear-ddos-ospfv3v6-aggregate-states>	<none>
clear ddos-protection protocols ospfv3v6 aggregate statistics	<clear-ddos-ospfv3v6-aggregate-statistics>	<none>
clear ddos-protection protocols ospfv3v6 aggregate statistics	<clear-ddos-ospfv3v6-aggregate-statistics>	<none>
clear ddos-protection protocols ospfv3v6 states	<clear-ddos-ospfv3v6-states>	<none>
clear ddos-protection protocols ospfv3v6 states	<clear-ddos-ospfv3v6-states>	<none>
clear ddos-protection protocols ospfv3v6 statistics	<clear-ddos-ospfv3v6-statistics>	<none>
clear ddos-protection protocols ospfv3v6 statistics	<clear-ddos-ospfv3v6-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols pfe-alive aggregate states	<clear-ddos-pfe-alive-aggregate-states>	<none>
clear ddos-protection protocols pfe-alive aggregate states	<clear-ddos-pfe-alive-aggregate-states>	<none>
clear ddos-protection protocols pfe-alive aggregate statistics	<clear-ddos-pfe-alive-aggregate-statistics>	<none>
clear ddos-protection protocols pfe-alive aggregate statistics	<clear-ddos-pfe-alive-aggregate-statistics>	<none>
clear ddos-protection protocols pfe-alive states	<clear-ddos-pfe-alive-states>	<none>
clear ddos-protection protocols pfe-alive states	<clear-ddos-pfe-alive-states>	<none>
clear ddos-protection protocols pfe-alive statistics	<clear-ddos-pfe-alive-statistics>	<none>
clear ddos-protection protocols pfe-alive statistics	<clear-ddos-pfe-alive-statistics>	<none>
clear ddos-protection protocols pim aggregate states	<clear-ddos-pim-aggregate-states>	<none>
clear ddos-protection protocols pim aggregate states	<clear-ddos-pim-aggregate-states>	<none>
clear ddos-protection protocols pim aggregate statistics	<clear-ddos-pim-aggregate-statistics>	<none>
clear ddos-protection protocols pim aggregate statistics	<clear-ddos-pim-aggregate-statistics>	<none>
clear ddos-protection protocols pim states	<clear-ddos-pim-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols pim states	<clear-ddos-pim-states>	<none>
clear ddos-protection protocols pim statistics	<clear-ddos-pim-statistics>	<none>
clear ddos-protection protocols pim statistics	<clear-ddos-pim-statistics>	<none>
clear ddos-protection protocols pmvrp aggregate states	<clear-ddos-pmvrp-aggregate-states>	<none>
clear ddos-protection protocols pmvrp aggregate states	<clear-ddos-pmvrp-aggregate-states>	<none>
clear ddos-protection protocols pmvrp aggregate statistics	<clear-ddos-pmvrp-aggregate-statistics>	<none>
clear ddos-protection protocols pmvrp aggregate statistics	<clear-ddos-pmvrp-aggregate-statistics>	<none>
clear ddos-protection protocols pmvrp states	<clear-ddos-pmvrp-states>	<none>
clear ddos-protection protocols pmvrp states	<clear-ddos-pmvrp-states>	<none>
clear ddos-protection protocols pmvrp statistics	<clear-ddos-pmvrp-statistics>	<none>
clear ddos-protection protocols pmvrp statistics	<clear-ddos-pmvrp-statistics>	<none>
clear ddos-protection protocols pos aggregate states	<clear-ddos-pos-aggregate-states>	<none>
clear ddos-protection protocols pos aggregate states	<clear-ddos-pos-aggregate-states>	<none>
clear ddos-protection protocols pos aggregate statistics	<clear-ddos-pos-aggregate-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols pos aggregate statistics	<clear-ddos-pos-aggregate-statistics>	<none>
clear ddos-protection protocols pos states	<clear-ddos-pos-states>	<none>
clear ddos-protection protocols pos states	<clear-ddos-pos-states>	<none>
clear ddos-protection protocols pos statistics	<clear-ddos-pos-statistics>	<none>
clear ddos-protection protocols pos statistics	<clear-ddos-pos-statistics>	<none>
clear ddos-protection protocols ppp aggregate states	<clear-ddos-ppp-aggregate-states>	<none>
clear ddos-protection protocols ppp aggregate states	<clear-ddos-ppp-aggregate-states>	<none>
clear ddos-protection protocols ppp aggregate statistics	<clear-ddos-ppp-aggregate-statistics>	<none>
clear ddos-protection protocols ppp aggregate statistics	<clear-ddos-ppp-aggregate-statistics>	<none>
clear ddos-protection protocols ppp authentication states	<clear-ddos-ppp-auth-states>	<none>
clear ddos-protection protocols ppp authentication states	<clear-ddos-ppp-auth-states>	<none>
clear ddos-protection protocols ppp authentication statistics	<clear-ddos-ppp-auth-statistics>	<none>
clear ddos-protection protocols ppp authentication statistics	<clear-ddos-ppp-auth-statistics>	<none>
clear ddos-protection protocols ppp ipcp states	<clear-ddos-ppp-ipcp-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols ppp ipcp states	<clear-ddos-ppp-ipcp-states>	<none>
clear ddos-protection protocols ppp ipcp statistics	<clear-ddos-ppp-ipcp-statistics>	<none>
clear ddos-protection protocols ppp ipcp statistics	<clear-ddos-ppp-ipcp-statistics>	<none>
clear ddos-protection protocols ppp ipv6cp states	<clear-ddos-ppp-ipv6cp-states>	<none>
clear ddos-protection protocols ppp ipv6cp states	<clear-ddos-ppp-ipv6cp-states>	<none>
clear ddos-protection protocols ppp ipv6cp statistics	<clear-ddos-ppp-ipv6cp-statistics>	<none>
clear ddos-protection protocols ppp ipv6cp statistics	<clear-ddos-ppp-ipv6cp-statistics>	<none>
clear ddos-protection protocols ppp isis states	<clear-ddos-ppp-isis-states>	<none>
clear ddos-protection protocols ppp isis states	<clear-ddos-ppp-isis-states>	<none>
clear ddos-protection protocols ppp isis statistics	<clear-ddos-ppp-isis-statistics>	<none>
clear ddos-protection protocols ppp isis statistics	<clear-ddos-ppp-isis-statistics>	<none>
clear ddos-protection protocols ppp lcp states	<clear-ddos-ppp-lcp-states>	<none>
clear ddos-protection protocols ppp lcp states	<clear-ddos-ppp-lcp-states>	<none>
clear ddos-protection protocols ppp lcp statistics	<clear-ddos-ppp-lcp-statistics>	<none>



**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols ppp lcp statistics	<clear-ddos-ppp-lcp-statistics>	<none>
clear ddos-protection protocols ppp mplscp states	<clear-ddos-ppp-mplscp-states>	<none>
clear ddos-protection protocols ppp mplscp states	<clear-ddos-ppp-mplscp-states>	<none>
clear ddos-protection protocols ppp mplscp statistics	<clear-ddos-ppp-mplscp-statistics>	<none>
clear ddos-protection protocols ppp mplscp statistics	<clear-ddos-ppp-mplscp-statistics>	<none>
clear ddos-protection protocols ppp states	<clear-ddos-ppp-states>	<none>
clear ddos-protection protocols ppp states	<clear-ddos-ppp-states>	<none>
clear ddos-protection protocols ppp statistics	<clear-ddos-ppp-statistics>	<none>
clear ddos-protection protocols ppp statistics	<clear-ddos-ppp-statistics>	<none>
clear ddos-protection protocols pppoe aggregate states	<clear-ddos-pppoe-aggregate-states>	<none>
clear ddos-protection protocols pppoe aggregate states	<clear-ddos-pppoe-aggregate-states>	<none>
clear ddos-protection protocols pppoe aggregate statistics	<clear-ddos-pppoe-aggregate-statistics>	<none>
clear ddos-protection protocols pppoe aggregate statistics	<clear-ddos-pppoe-aggregate-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols pppoe padi states	<clear-ddos-pppoe-padi-states>	<none>
clear ddos-protection protocols pppoe padi states	<clear-ddos-pppoe-padi-states>	<none>
clear ddos-protection protocols pppoe padi statistics	<clear-ddos-pppoe-padi-statistics>	<none>
clear ddos-protection protocols pppoe padi statistics	<clear-ddos-pppoe-padi-statistics>	<none>
clear ddos-protection protocols pppoe padm states	<clear-ddos-pppoe-padm-states>	<none>
clear ddos-protection protocols pppoe padm states	<clear-ddos-pppoe-padm-states>	<none>
clear ddos-protection protocols pppoe padm statistics	<clear-ddos-pppoe-padm-statistics>	<none>
clear ddos-protection protocols pppoe padm statistics	<clear-ddos-pppoe-padm-statistics>	<none>
clear ddos-protection protocols pppoe padn states	<clear-ddos-pppoe-padn-states>	<none>
clear ddos-protection protocols pppoe padn states	<clear-ddos-pppoe-padn-states>	<none>
clear ddos-protection protocols pppoe padn statistics	<clear-ddos-pppoe-padn-statistics>	<none>
clear ddos-protection protocols pppoe padn statistics	<clear-ddos-pppoe-padn-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols pppoe pado states	<clear-ddos-pppoe-pado-states>	<none>
clear ddos-protection protocols pppoe pado states	<clear-ddos-pppoe-pado-states>	<none>
clear ddos-protection protocols pppoe pado statistics	<clear-ddos-pppoe-pado-statistics>	<none>
clear ddos-protection protocols pppoe pado statistics	<clear-ddos-pppoe-pado-statistics>	<none>
clear ddos-protection protocols pppoe padr states	<clear-ddos-pppoe-padr-states>	<none>
clear ddos-protection protocols pppoe padr states	<clear-ddos-pppoe-padr-states>	<none>
clear ddos-protection protocols pppoe padr statistics	<clear-ddos-pppoe-padr-statistics>	<none>
clear ddos-protection protocols pppoe padr statistics	<clear-ddos-pppoe-padr-statistics>	<none>
clear ddos-protection protocols pppoe pads states	<clear-ddos-pppoe-pads-states>	<none>
clear ddos-protection protocols pppoe pads states	<clear-ddos-pppoe-pads-states>	<none>
clear ddos-protection protocols pppoe pads statistics	<clear-ddos-pppoe-pads-statistics>	<none>
clear ddos-protection protocols pppoe pads statistics	<clear-ddos-pppoe-pads-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols pppoe padt states	<clear-ddos-pppoe-padt-states>	<none>
clear ddos-protection protocols pppoe padt states	<clear-ddos-pppoe-padt-states>	<none>
clear ddos-protection protocols pppoe padt statistics	<clear-ddos-pppoe-padt-statistics>	<none>
clear ddos-protection protocols pppoe padt statistics	<clear-ddos-pppoe-padt-statistics>	<none>
clear ddos-protection protocols pppoe states	<clear-ddos-pppoe-states>	<none>
clear ddos-protection protocols pppoe states	<clear-ddos-pppoe-states>	<none>
clear ddos-protection protocols pppoe statistics	<clear-ddos-pppoe-statistics>	<none>
clear ddos-protection protocols pppoe statistics	<clear-ddos-pppoe-statistics>	<none>
clear ddos-protection protocols ptp aggregate states	<clear-ddos-ptp-aggregate-states>	<none>
clear ddos-protection protocols ptp aggregate states	<clear-ddos-ptp-aggregate-states>	<none>
clear ddos-protection protocols ptp aggregate statistics	<clear-ddos-ptp-aggregate-statistics>	<none>
clear ddos-protection protocols ptp aggregate statistics	<clear-ddos-ptp-aggregate-statistics>	<none>
clear ddos-protection protocols ptp states	<clear-ddos-ptp-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols ptp states	<clear-ddos-ptp-states>	<none>
clear ddos-protection protocols ptp statistics	<clear-ddos-ptp-statistics>	<none>
clear ddos-protection protocols ptp statistics	<clear-ddos-ptp-statistics>	<none>
clear ddos-protection protocols pvstp aggregate states	<clear-ddos-pvstp-aggregate-states>	<none>
clear ddos-protection protocols pvstp aggregate states	<clear-ddos-pvstp-aggregate-states>	<none>
clear ddos-protection protocols pvstp aggregate statistics	<clear-ddos-pvstp-aggregate-statistics>	<none>
clear ddos-protection protocols pvstp aggregate statistics	<clear-ddos-pvstp-aggregate-statistics>	<none>
clear ddos-protection protocols pvstp states	<clear-ddos-pvstp-states>	<none>
clear ddos-protection protocols pvstp states	<clear-ddos-pvstp-states>	<none>
clear ddos-protection protocols pvstp statistics	<clear-ddos-pvstp-statistics>	<none>
clear ddos-protection protocols pvstp statistics	<clear-ddos-pvstp-statistics>	<none>
clear ddos-protection protocols radius accounting states	<clear-ddos-radius-account-states>	<none>
clear ddos-protection protocols radius accounting states	<clear-ddos-radius-account-states>	<none>
clear ddos-protection protocols radius accounting statistics	<clear-ddos-radius-account-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols radius accounting statistics	<clear-ddos-radius-account-statistics>	<none>
clear ddos-protection protocols radius aggregate states	<clear-ddos-radius-aggregate-states>	<none>
clear ddos-protection protocols radius aggregate states	<clear-ddos-radius-aggregate-states>	<none>
clear ddos-protection protocols radius aggregate statistics	<clear-ddos-radius-aggregate-statistics>	<none>
clear ddos-protection protocols radius aggregate statistics	<clear-ddos-radius-aggregate-statistics>	<none>
clear ddos-protection protocols radius authorization states	<clear-ddos-radius-auth-states>	<none>
clear ddos-protection protocols radius authorization states	<clear-ddos-radius-auth-states>	<none>
clear ddos-protection protocols radius authorization statistics	<clear-ddos-radius-auth-statistics>	<none>
clear ddos-protection protocols radius authorization statistics	<clear-ddos-radius-auth-statistics>	<none>
clear ddos-protection protocols radius server states	<clear-ddos-radius-server-states>	<none>
clear ddos-protection protocols radius server states	<clear-ddos-radius-server-states>	<none>
clear ddos-protection protocols radius server statistics	<clear-ddos-radius-server-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols radius server statistics	<clear-ddos-radius-server-statistics>	<none>
clear ddos-protection protocols radius states	<clear-ddos-radius-states>	<none>
clear ddos-protection protocols radius states	<clear-ddos-radius-states>	<none>
clear ddos-protection protocols radius statistics	<clear-ddos-radius-statistics>	<none>
clear ddos-protection protocols radius statistics	<clear-ddos-radius-statistics>	<none>
clear ddos-protection protocols redirect aggregate states	<clear-ddos-redirect-aggregate-states>	<none>
clear ddos-protection protocols redirect aggregate states	<clear-ddos-redirect-aggregate-states>	<none>
clear ddos-protection protocols redirect aggregate statistics	<clear-ddos-redirect-aggregate-statistics>	<none>
clear ddos-protection protocols redirect aggregate statistics	<clear-ddos-redirect-aggregate-statistics>	<none>
clear ddos-protection protocols redirect states	<clear-ddos-redirect-states>	<none>
clear ddos-protection protocols redirect states	<clear-ddos-redirect-states>	<none>
clear ddos-protection protocols redirect statistics	<clear-ddos-redirect-statistics>	<none>
clear ddos-protection protocols redirect statistics	<clear-ddos-redirect-statistics>	<none>
clear ddos-protection protocols rip aggregate states	<clear-ddos-rip-aggregate-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols rip aggregate states	<clear-ddos-rip-aggregate-states>	<none>
clear ddos-protection protocols rip aggregate statistics	<clear-ddos-rip-aggregate-statistics>	<none>
clear ddos-protection protocols rip aggregate statistics	<clear-ddos-rip-aggregate-statistics>	<none>
clear ddos-protection protocols rip states	<clear-ddos-rip-states>	<none>
clear ddos-protection protocols rip states	<clear-ddos-rip-states>	<none>
clear ddos-protection protocols rip statistics	<clear-ddos-rip-statistics>	<none>
clear ddos-protection protocols rip statistics	<clear-ddos-rip-statistics>	<none>
clear ddos-protection protocols ripv6 aggregate states	<clear-ddos-ripv6-aggregate-states>	<none>
clear ddos-protection protocols ripv6 aggregate states	<clear-ddos-ripv6-aggregate-states>	<none>
clear ddos-protection protocols ripv6 aggregate statistics	<clear-ddos-ripv6-aggregate-statistics>	<none>
clear ddos-protection protocols ripv6 aggregate statistics	<clear-ddos-ripv6-aggregate-statistics>	<none>
clear ddos-protection protocols ripv6 states	<clear-ddos-ripv6-states>	<none>
clear ddos-protection protocols ripv6 states	<clear-ddos-ripv6-states>	<none>
clear ddos-protection protocols ripv6 statistics	<clear-ddos-ripv6-statistics>	<none>



**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols ripv6 statistics	<clear-ddos-ripv6-statistics>	<none>
clear ddos-protection protocols rsvp aggregate states	<clear-ddos-rsvp-aggregate-states>	<none>
clear ddos-protection protocols rsvp aggregate states	<clear-ddos-rsvp-aggregate-states>	<none>
clear ddos-protection protocols rsvp aggregate statistics	<clear-ddos-rsvp-aggregate-statistics>	<none>
clear ddos-protection protocols rsvp aggregate statistics	<clear-ddos-rsvp-aggregate-statistics>	<none>
clear ddos-protection protocols rsvp states	<clear-ddos-rsvp-states>	<none>
clear ddos-protection protocols rsvp states	<clear-ddos-rsvp-states>	<none>
clear ddos-protection protocols rsvp statistics	<clear-ddos-rsvp-statistics>	<none>
clear ddos-protection protocols rsvp statistics	<clear-ddos-rsvp-statistics>	<none>
clear ddos-protection protocols rsvpv6 aggregate states	<clear-ddos-rsvpv6-aggregate-states>	<none>
clear ddos-protection protocols rsvpv6 aggregate states	<clear-ddos-rsvpv6-aggregate-states>	<none>
clear ddos-protection protocols rsvpv6 aggregate statistics	<clear-ddos-rsvpv6-aggregate-statistics>	<none>
clear ddos-protection protocols rsvpv6 aggregate statistics	<clear-ddos-rsvpv6-aggregate-statistics>	<none>
clear ddos-protection protocols rsvpv6 states	<clear-ddos-rsvpv6-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols rsvp6 states	<clear-ddos-rsvp6-states>	<none>
clear ddos-protection protocols rsvp6 statistics	<clear-ddos-rsvp6-statistics>	<none>
clear ddos-protection protocols rsvp6 statistics	<clear-ddos-rsvp6-statistics>	<none>
clear ddos-protection protocols services aggregate states	<clear-ddos-services-aggregate-states>	<none>
clear ddos-protection protocols services aggregate states	<clear-ddos-services-aggregate-states>	<none>
clear ddos-protection protocols services aggregate statistics	<clear-ddos-services-aggregate-statistics>	<none>
clear ddos-protection protocols services aggregate statistics	<clear-ddos-services-aggregate-statistics>	<none>
clear ddos-protection protocols services states	<clear-ddos-services-states>	<none>
clear ddos-protection protocols services states	<clear-ddos-services-states>	<none>
clear ddos-protection protocols services statistics	<clear-ddos-services-statistics>	<none>
clear ddos-protection protocols services statistics	<clear-ddos-services-statistics>	<none>
clear ddos-protection protocols snmp aggregate states	<clear-ddos-snmp-aggregate-states>	<none>
clear ddos-protection protocols snmp aggregate states	<clear-ddos-snmp-aggregate-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols snmp aggregate statistics	<clear-ddos-snmp-aggregate-statistics>	<none>
clear ddos-protection protocols snmp aggregate statistics	<clear-ddos-snmp-aggregate-statistics>	<none>
clear ddos-protection protocols snmp states	<clear-ddos-snmp-states>	<none>
clear ddos-protection protocols snmp states	<clear-ddos-snmp-states>	<none>
clear ddos-protection protocols snmp statistics	<clear-ddos-snmp-statistics>	<none>
clear ddos-protection protocols snmp statistics	<clear-ddos-snmp-statistics>	<none>
clear ddos-protection protocols snmpv6 aggregate states	<clear-ddos-snmpv6-aggregate-states>	<none>
clear ddos-protection protocols snmpv6 aggregate states	<clear-ddos-snmpv6-aggregate-states>	<none>
clear ddos-protection protocols snmpv6 aggregate statistics	<clear-ddos-snmpv6-aggregate-statistics>	<none>
clear ddos-protection protocols snmpv6 aggregate statistics	<clear-ddos-snmpv6-aggregate-statistics>	<none>
clear ddos-protection protocols snmpv6 states	<clear-ddos-snmpv6-states>	<none>
clear ddos-protection protocols snmpv6 states	<clear-ddos-snmpv6-states>	<none>
clear ddos-protection protocols snmpv6 statistics	<clear-ddos-snmpv6-statistics>	<none>
clear ddos-protection protocols snmpv6 statistics	<clear-ddos-snmpv6-statistics>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols ssh aggregate states	<clear-ddos-ssh-aggregate-states>	<none>
clear ddos-protection protocols ssh aggregate states	<clear-ddos-ssh-aggregate-states>	<none>
clear ddos-protection protocols ssh aggregate statistics	<clear-ddos-ssh-aggregate-statistics>	<none>
clear ddos-protection protocols ssh aggregate statistics	<clear-ddos-ssh-aggregate-statistics>	<none>
clear ddos-protection protocols ssh states	<clear-ddos-ssh-states>	<none>
clear ddos-protection protocols ssh states	<clear-ddos-ssh-states>	<none>
clear ddos-protection protocols ssh statistics	<clear-ddos-ssh-statistics>	<none>
clear ddos-protection protocols ssh statistics	<clear-ddos-ssh-statistics>	<none>
clear ddos-protection protocols sshv6 aggregate states	<clear-ddos-sshv6-aggregate-states>	<none>
clear ddos-protection protocols sshv6 aggregate states	<clear-ddos-sshv6-aggregate-states>	<none>
clear ddos-protection protocols sshv6 aggregate statistics	<clear-ddos-sshv6-aggregate-statistics>	<none>
clear ddos-protection protocols sshv6 aggregate statistics	<clear-ddos-sshv6-aggregate-statistics>	<none>
clear ddos-protection protocols sshv6 states	<clear-ddos-sshv6-states>	<none>
clear ddos-protection protocols sshv6 states	<clear-ddos-sshv6-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols sshv6 statistics	<clear-ddos-sshv6-statistics>	<none>
clear ddos-protection protocols sshv6 statistics	<clear-ddos-sshv6-statistics>	<none>
clear ddos-protection protocols states	<clear-ddos-protocols-states>	<none>
clear ddos-protection protocols states	<clear-ddos-protocols-states>	<none>
clear ddos-protection protocols statistics	<clear-ddos-protocols-statistics>	<none>
clear ddos-protection protocols statistics	<clear-ddos-protocols-statistics>	<none>
clear ddos-protection protocols stp aggregate states	<clear-ddos-stp-aggregate-states>	<none>
clear ddos-protection protocols stp aggregate states	<clear-ddos-stp-aggregate-states>	<none>
clear ddos-protection protocols stp aggregate statistics	<clear-ddos-stp-aggregate-statistics>	<none>
clear ddos-protection protocols stp aggregate statistics	<clear-ddos-stp-aggregate-statistics>	<none>
clear ddos-protection protocols stp states	<clear-ddos-stp-states>	<none>
clear ddos-protection protocols stp states	<clear-ddos-stp-states>	<none>
clear ddos-protection protocols stp statistics	<clear-ddos-stp-statistics>	<none>
clear ddos-protection protocols stp statistics	<clear-ddos-stp-statistics>	<none>
clear ddos-protection protocols tacacs aggregate states	<clear-ddos-tacacs-aggregate-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols tacacs aggregate states	<clear-ddos-tacacs-aggregate-states>	<none>
clear ddos-protection protocols tacacs aggregate statistics	<clear-ddos-tacacs-aggregate-statistics>	<none>
clear ddos-protection protocols tacacs aggregate statistics	<clear-ddos-tacacs-aggregate-statistics>	<none>
clear ddos-protection protocols tacacs states	<clear-ddos-tacacs-states>	<none>
clear ddos-protection protocols tacacs states	<clear-ddos-tacacs-states>	<none>
clear ddos-protection protocols tacacs statistics	<clear-ddos-tacacs-statistics>	<none>
clear ddos-protection protocols tacacs statistics	<clear-ddos-tacacs-statistics>	<none>
clear ddos-protection protocols tcp-flags aggregate states	<clear-ddos-tcp-flags-aggregate-states>	<none>
clear ddos-protection protocols tcp-flags aggregate states	<clear-ddos-tcp-flags-aggregate-states>	<none>
clear ddos-protection protocols tcp-flags aggregate statistics	<clear-ddos-tcp-flags-aggregate-statistics>	<none>
clear ddos-protection protocols tcp-flags aggregate statistics	<clear-ddos-tcp-flags-aggregate-statistics>	<none>
clear ddos-protection protocols tcp-flags established states	<clear-ddos-tcp-flags-establish-states>	<none>
clear ddos-protection protocols tcp-flags established states	<clear-ddos-tcp-flags-establish-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols tcp-flags established statistics	<clear-ddos-tcp-flags-establish-statistics>	<none>
clear ddos-protection protocols tcp-flags established statistics	<clear-ddos-tcp-flags-establish-statistics>	<none>
clear ddos-protection protocols tcp-flags initial states	<clear-ddos-tcp-flags-initial-states>	<none>
clear ddos-protection protocols tcp-flags initial states	<clear-ddos-tcp-flags-initial-states>	<none>
clear ddos-protection protocols tcp-flags initial statistics	<clear-ddos-tcp-flags-initial-statistics>	<none>
clear ddos-protection protocols tcp-flags initial statistics	<clear-ddos-tcp-flags-initial-statistics>	<none>
clear ddos-protection protocols tcp-flags states	<clear-ddos-tcp-flags-states>	<none>
clear ddos-protection protocols tcp-flags states	<clear-ddos-tcp-flags-states>	<none>
clear ddos-protection protocols tcp-flags statistics	<clear-ddos-tcp-flags-statistics>	<none>
clear ddos-protection protocols tcp-flags statistics	<clear-ddos-tcp-flags-statistics>	<none>
clear ddos-protection protocols tcp-flags unclassified states	<clear-ddos-tcp-flags-unclass-states>	<none>
clear ddos-protection protocols tcp-flags unclassified states	<clear-ddos-tcp-flags-unclass-states>	<none>

**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols tcp-flags unclassified statistics	<clear-ddos-tcp-flags-unclass-statistics>	<none>
clear ddos-protection protocols tcp-flags unclassified statistics	<clear-ddos-tcp-flags-unclass-statistics>	<none>
clear ddos-protection protocols telnet aggregate states	<clear-ddos-telnet-aggregate-states>	<none>
clear ddos-protection protocols telnet aggregate states	<clear-ddos-telnet-aggregate-states>	<none>
clear ddos-protection protocols telnet aggregate statistics	<clear-ddos-telnet-aggregate-statistics>	<none>
clear ddos-protection protocols telnet aggregate statistics	<clear-ddos-telnet-aggregate-statistics>	<none>
clear ddos-protection protocols telnet states	<clear-ddos-telnet-states>	<none>
clear ddos-protection protocols telnet states	<clear-ddos-telnet-states>	<none>
clear ddos-protection protocols telnet statistics	<clear-ddos-telnet-statistics>	<none>
clear ddos-protection protocols telnet statistics	<clear-ddos-telnet-statistics>	<none>
clear ddos-protection protocols telnetv6 aggregate states	<clear-ddos-telnetv6-aggregate-states>	<none>
clear ddos-protection protocols telnetv6 aggregate states	<clear-ddos-telnetv6-aggregate-states>	<none>
clear ddos-protection protocols telnetv6 aggregate statistics	<clear-ddos-telnetv6-aggregate-statistics>	<none>



**Table 3: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 1) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols telnetv6 aggregate statistics	<clear-ddos-telnetv6-aggregate-statistics>	<none>
clear ddos-protection protocols telnetv6 states	<clear-ddos-telnetv6-states>	<none>
clear ddos-protection protocols telnetv6 states	<clear-ddos-telnetv6-states>	<none>
clear ddos-protection protocols telnetv6 statistics	<clear-ddos-telnetv6-statistics>	<none>
clear ddos-protection protocols telnetv6 statistics	<clear-ddos-telnetv6-statistics>	<none>
clear ddos-protection protocols ttl aggregate states	<clear-ddos-ttl-aggregate-states>	<none>
clear ddos-protection protocols ttl aggregate states	<clear-ddos-ttl-aggregate-states>	<none>
clear ddos-protection protocols ttl aggregate statistics	<clear-ddos-ttl-aggregate-statistics>	<none>
clear ddos-protection protocols ttl aggregate statistics	<clear-ddos-ttl-aggregate-statistics>	<none>
clear ddos-protection protocols ttl states	<clear-ddos-ttl-states>	<none>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols ttl states	<clear-ddos-ttl-states>	<none>
clear ddos-protection protocols ttl statistics	<clear-ddos-ttl-statistics>	<none>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols ttl statistics	<clear-ddos-ttl-statistics>	<none>
clear ddos-protection protocols tunnel-fragment aggregate states	<clear-ddos-tun-frag-aggregate-states>	<none>
clear ddos-protection protocols tunnel-fragment aggregate states	<clear-ddos-tun-frag-aggregate-states>	<none>
clear ddos-protection protocols tunnel-fragment aggregate statistics	<clear-ddos-tun-frag-aggregate-statistics>	<none>
clear ddos-protection protocols tunnel-fragment aggregate statistics	<clear-ddos-tun-frag-aggregate-statistics>	<none>
clear ddos-protection protocols tunnel-fragment states	<clear-ddos-tun-frag-states>	<none>
clear ddos-protection protocols tunnel-fragment states	<clear-ddos-tun-frag-states>	<none>
clear ddos-protection protocols tunnel-fragment statistics	<clear-ddos-tun-frag-statistics>	<none>
clear ddos-protection protocols tunnel-fragment statistics	<clear-ddos-tun-frag-statistics>	<none>
clear ddos-protection protocols virtual-chassis aggregate states	<clear-ddos-vchassis-aggregate-states>	<none>
clear ddos-protection protocols virtual-chassis aggregate states	<clear-ddos-vchassis-aggregate-states>	<none>
clear ddos-protection protocols virtual-chassis aggregate statistics	<clear-ddos-vchassis-aggregate-statistics>	<none>
clear ddos-protection protocols virtual-chassis aggregate statistics	<clear-ddos-vchassis-aggregate-statistics>	<none>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols virtual-chassis control-high states	<clear-ddos-vchassis-control-hi-states>	<none>
clear ddos-protection protocols virtual-chassis control-high states	<clear-ddos-vchassis-control-hi-states>	<none>
clear ddos-protection protocols virtual-chassis control-high statistics	<clear-ddos-vchassis-control-hi-statistics>	<none>
clear ddos-protection protocols virtual-chassis control-high statistics	<clear-ddos-vchassis-control-hi-statistics>	<none>
clear ddos-protection protocols virtual-chassis control-low states	<clear-ddos-vchassis-control-lo-states>	<none>
clear ddos-protection protocols virtual-chassis control-low states	<clear-ddos-vchassis-control-lo-states>	<none>
clear ddos-protection protocols virtual-chassis control-low statistics	<clear-ddos-vchassis-control-lo-statistics>	<none>
clear ddos-protection protocols virtual-chassis control-low statistics	<clear-ddos-vchassis-control-lo-statistics>	<none>
clear ddos-protection protocols virtual-chassis states	<clear-ddos-vchassis-states>	<none>
clear ddos-protection protocols virtual-chassis states	<clear-ddos-vchassis-states>	<none>
clear ddos-protection protocols virtual-chassis statistics	<clear-ddos-vchassis-statistics>	<none>
clear ddos-protection protocols virtual-chassis statistics	<clear-ddos-vchassis-statistics>	<none>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols virtual-chassis unclassified states	<clear-ddos-vchassis-unclass-states>	<none>
clear ddos-protection protocols virtual-chassis unclassified states	<clear-ddos-vchassis-unclass-states>	<none>
clear ddos-protection protocols virtual-chassis unclassified statistics	<clear-ddos-vchassis-unclass-statistics>	<none>
clear ddos-protection protocols virtual-chassis unclassified statistics	<clear-ddos-vchassis-unclass-statistics>	<none>
clear ddos-protection protocols virtual-chassis vc-packets states	<clear-ddos-vchassis-vc-packets-states>	<none>
clear ddos-protection protocols virtual-chassis vc-packets states	<clear-ddos-vchassis-vc-packets-states>	<none>
clear ddos-protection protocols virtual-chassis vc-packets statistics	<clear-ddos-vchassis-vc-packets-statistics>	<none>
clear ddos-protection protocols virtual-chassis vc-packets statistics	<clear-ddos-vchassis-vc-packets-statistics>	<none>
clear ddos-protection protocols virtual-chassis vc-ttl-errors states	<clear-ddos-vchassis-vc-ttl-err-states>	<none>
clear ddos-protection protocols virtual-chassis vc-ttl-errors states	<clear-ddos-vchassis-vc-ttl-err-states>	<none>
clear ddos-protection protocols virtual-chassis vc-ttl-errors statistics	<clear-ddos-vchassis-vc-ttl-err-statistics>	<none>
clear ddos-protection protocols virtual-chassis vc-ttl-errors statistics	<clear-ddos-vchassis-vc-ttl-err-statistics>	<none>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols vrrp aggregate states	<clear-ddos-vrrp-aggregate-states>	<none>
clear ddos-protection protocols vrrp aggregate states	<clear-ddos-vrrp-aggregate-states>	<none>
clear ddos-protection protocols vrrp aggregate statistics	<clear-ddos-vrrp-aggregate-statistics>	<none>
clear ddos-protection protocols vrrp aggregate statistics	<clear-ddos-vrrp-aggregate-statistics>	<none>
clear ddos-protection protocols vrrp states	<clear-ddos-vrrp-states>	<none>
clear ddos-protection protocols vrrp states	<clear-ddos-vrrp-states>	<none>
clear ddos-protection protocols vrrp statistics	<clear-ddos-vrrp-statistics>	<none>
clear ddos-protection protocols vrrp statistics	<clear-ddos-vrrp-statistics>	<none>
clear ddos-protection protocols vrrpv6 aggregate states	<clear-ddos-vrrpv6-aggregate-states>	<none>
clear ddos-protection protocols vrrpv6 aggregate states	<clear-ddos-vrrpv6-aggregate-states>	<none>
clear ddos-protection protocols vrrpv6 aggregate statistics	<clear-ddos-vrrpv6-aggregate-statistics>	<none>
clear ddos-protection protocols vrrpv6 aggregate statistics	<clear-ddos-vrrpv6-aggregate-statistics>	<none>
clear ddos-protection protocols vrrpv6 states	<clear-ddos-vrrpv6-states>	<none>
clear ddos-protection protocols vrrpv6 states	<clear-ddos-vrrpv6-states>	<none>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ddos-protection protocols vrrpv6 statistics	<clear-ddos-vrrpv6-statistics>	<none>
clear ddos-protection protocols vrrpv6 statistics	<clear-ddos-vrrpv6-statistics>	<none>
clear dhcp relay binding	<clear-dhcp-relay-binding-information>	<NONE>
clear dhcp relay statistics	<clear-dhcp-relay-statistics-information>	<NONE>
clear dhcp server binding	<clear-dhcp-server-binding-information>	<NONE>
clear dhcp server statistics	<clear-server-statistics-information>	<NONE>
clear dhcp statistics	<clear-dhcpv6-service-statistics-information>	<NONE>
clear dhcpv6 relay binding	<clear-dhcpv6-relay-binding-information>	<NONE>
clear dhcpv6 relay statistics	<clear-dhcpv6-relay-statistics-information>	<NONE>
clear dhcpv6 server binding	<clear-dhcpv6-server-binding-information>	<NONE>
clear dhcpv6 server statistics	<clear-dhcpv6-server-statistics-information>	<NONE>
clear diameter function	<clear-diameter-function>	<none>
clear diameter peer	<clear-diameter-peer>	<none>
clear dot1x interface	<clear-dot1x-interface-session>	<dot1x-interface-session>
clear dot1x mac-address	<clear-dot1x-mac-session>	<dot1x-mac-session>
clear error bpdu interface	<clear-bpdu-error>	<bpdu-error>
clear error mac-rewrite interface	<clear-mac-rewrite-error>	<mac-rewrite-error>
clear fabric	<clear-fabric>	<none>
clear fabric statistics	<clear-fabric-statistics>	<none>
clear helper statistics	<clear-helper-statistics-information>	<none>
clear interfaces interval	<clear-interfaces-interval>	<none>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear interfaces statistics	<clear-interfaces-statistics>	<NONE>
clear interfaces statistics all	<clear-interfaces-statistics-all>	<NONE>
clear ipv6 neighbors	<clear-ipv6-nd-information>	<ipv6-modify-nd>
clear isis adjacency	<clear-isis-adjacency-information>	<NONE>
clear isis database	<clear-isis-database-information>	<NONE>
clear isis overload	<clear-isis-overload-information>	<NONE>
clear isis statistics	<clear-isis-statistics-information>	<NONE>
clear lacp statistics	<clear-lacp-statistics>	<none>
clear lacp statistics interfaces	<clear-lacp-interface-statistics>	<none>
clear log	<clear-log>	<none>
clear mobile-ip binding all	<clear-binding-all>	<NONE>
clear mobile-ip binding ip-address	<clear-binding-ip>	<NONE>
clear mobile-ip binding nai	<clear-binding-nai>	<NONE>
clear mobile-ip visitor all	<clear-visitor-all>	<NONE>
clear mobile-ip visitor ip-address	<clear-visitor-ip>	<NONE>
clear mobile-ip visitor nai	<clear-visitor-nai>	<NONE>
clear mpls lsp	<clear-mpls-lsp-information>	<NONE>
clear mpls static-lsp	<clear-mpls-static-lsp-information>	<NONE>
clear mvrp statistics	<clear-mvrp-interface-statistics>	<none>
clear network-access aaa statistics	<clear-aaa-statistics-table>	<clear-aaa-module-statistics>
clear network-access aaa subscriber	<clear-aaa-subscriber-table>	<NONE>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear network-access aaa subscriber statistics	<clear-aaa-subscriber-table-specific-statistics>	<NONE>
clear network-access gx-plus replay	<clear-gx-plus-replay-information>	<none>
clear network-access gx-plus statistics	<clear-gx-plus-statistics-information>	<none>
clear network-access requests pending	<clear-authentication-pending-table>	<NONE>
clear network-access requests statistics	<clear-authentication-statistics>	<NONE>
clear network-access securid-node-secret-file	<clear-node-secret-file>	<NONE>
clear oam ethernet connectivity-fault-management continuity-measurement	<clear-cfm-continuity-measurement>	<cfmd-clear-continuity-measurement>
clear oam ethernet connectivity-fault-management delay-statistics	<clear-cfm-delay-statistics>	<cfmd-clear-delay-statistics>
clear oam ethernet connectivity-fault-management loss-statistics	<clear-cfm-loss-statistics>	<cfmd-clear-loss-statistics>
clear oam ethernet connectivity-fault-management path-database	<clear-cfm-linktrace-path-database>	<NONE>
clear oam ethernet connectivity-fault-management sla-iterator-statistics	<clear-cfm-iterator-statistics>	<NONE>
clear oam ethernet connectivity-fault-management statistics	<clear-cfm-statistics>	<NONE>
clear oam ethernet lmi statistics	<clear-elmi-statistics>	<NONE>
clear ospf database	<clear-ospf-database-information>	<NONE>
clear ospf io-statistics	<clear-ospf-io-statistics-information>	<NONE>



**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ospf neighbor	<clear-ospf-neighbor-information>	<NONE>
clear ospf overload	<clear-ospf-overload-information>	<NONE>
clear ospf statistics	<clear-ospf-statistics-information>	<NONE>
clear ospf3 database	<clear-ospf3-database-information>	<NONE>
clear ospf3 io-statistics	<clear-ospf3-io-statistics-information>	<NONE>
clear ospf3 neighbor	<clear-ospf3-neighbor-information>	<NONE>
clear ospf3 overload	<clear-ospf3-overload-information>	<NONE>
clear ospf3 statistics	<clear-ospf3-statistics-information>	<NONE>
clear passive-monitoring	<clear-passive-monitoring>	<NONE>
clear passive-monitoring statistics	<clear-passive-monitoring-statistics>	<NONE>
clear ppp statistics	<clear-ppp-statistics-information>	<none>
clear pppoe sessions	<clear-pppoe-sessions-information>	<pppoe-sessions-information>
clear pppoe statistics	<clear-pppoe-statistics-information>	<pppoe-statistics-information>
clear pppoe statistics interfaces	<clear-pppoe-statistics-interface-information>	<none>
clear protection-group	<clear-protection-group-information>	<none>
clear protection-group ethernet-ring	<clear-ethernet-ring-information>	<none>
clear protection-group ethernet-ring statistics	<clear-ethernet-ring-statistics>	<none>
clear r2cp radio	<clear-r2cp-radio>	<r2cp-clear-result>
clear r2cp session	<clear-r2cp-session>	<r2cp-clear-result>
clear r2cp statistics	<clear-r2cp-statistics>	<none>
clear rsvp session	<clear-rsvp-session-information>	<NONE>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear rsvp statistics	<clear-rsvp-counters-information>	<NONE>
clear security alarms	<clear-security-alarm-information>	<clear-security-alarm-results>
clear security idp application-ddos cache	<clear-idp-appddos-cache>	<NONE>
clear security idp application-identification application-system-cache	<clear-idp-application-system-cache>	<clear-idp-application-system-cache-information>
clear security idp application-statistics	<clear-idp-applications-information>	<idp-applications-information>
clear security idp attack table	<clear-idp-attack-table>	<clear-idp-attack-table-information>
clear security idp counters	<clear-idp-counters-by-counter-class>	<clear-idp-counters-by-counter-class-information>
clear security idp ssl-inspection session-id-cache	<clear-idp-ssl-session-cache-information>	<clear-idp-ssl-session-cache-information>
clear security idp status	<clear-idp-status-information>	<clear-idp-status-information>
clear security log	<clear-security-log-information>	<clear-security-log-information>
clear security pki ca-certificate	<clear-pki-ca-certificate>	<NONE>
clear security pki certificate-request	<clear-pki-certificate-request>	<NONE>
clear security pki crl	<clear-pki-crl>	<NONE>
clear security pki key-pair	<clear-pki-key-pair>	<NONE>
clear security pki local-certificate	<clear-pki-local-certificate>	<NONE>
clear services application-aware-access-list statistics interface	<clear-application-aware-access-list-statistics-interface>	<NONE>
clear services application-aware-access-list statistics subscriber	<clear-application-aware-access-list-statistics-subscriber>	<NONE>

Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear services application-identification application-system-cache	<clear-appid-application-system-cache>	<clear-appid-application-system-cache-information>
clear services application-identification counter	<clear-appid-counter>	<clear-appid-counter>
clear services application-identification statistics	<clear-appid-application-statistics>	<NONE>
clear services application-identification statistics cumulative	<clear-appid-application-statistics-cumulative>	<NONE>
clear services application-identification statistics interval	<clear-appid-application-statistics-interval>	<NONE>
clear services border- signaling-gateway denied-messages	<clear-service-bsg-denied-messages>	<bsg-statistics-clear-denied-messages>
clear services border- signaling-gateway name-resolution-cache	<clear-service-border- signaling- gateway-name-resolution-cache>	<bsg-drain-nr-details>
clear services border- signaling-gateway name-resolution-cache all	<clear-service-border- signaling-gateway-name-resolution-cache-all>	<bsg-drain-nr-details>
clear services border- signaling-gateway registrations	<clear-service-bsg-registrations>	<clear-service-bsg-registrations>
clear services border- signaling-gateway registrations statistics	<clear-service-bsg-registrations-statistics>	<clear-service-bsg-registrations>
clear services border- signaling-gateway registrations subscription	<clear-services-bsg-registrations-subscription>	<clear-services-bsg-registrations-subscription>
clear services border- signaling-gateway statistics	<clear-service-border- signaling-gateway-statistics>	<service-border- signaling-gateway-drain-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear services captive-portal-content-delivery statistics interface	<clear-cpcdd-interface-statistics>	<none>
clear services dynamic-flow- capture criteria	<clear-services-dynamic-flow- capture-criteria>	<clear-services-dynamic-flow- capture-criteria>
clear services dynamic-flow- capture sequence-number	<clear-services-dynamic-flow- capture-sequence-number>	<clear-services-dynamic-flow- capture-sequence-number-results>
clear services flow-collector	<clear-services-flow-collector-information>	<NONE>
clear services flow-collector statistics	<clear-services-flow-collector-statistics>	<clear-services-flow-collector-response>
clear services flows	<clear-service-msp-flow-table-information>	<service-msp-flow-drain-information>
clear services flows ip-action	<clear-service-msp-flow-ipaction-table>	<service-msp-flow-drain-information>
clear services local-policy-decision-function statistics interface	<clear-local-policy-decision-function-statistics-interface>	<NONE>
clear services local-policy-decision-function statistics subscriber	<clear-local-policy-decision-function-statistics-subscriber>	<NONE>
clear services nat statistics	<clear-service-nat-statistics-information>	<service-nat-statistics-clear-information>
clear services pgcp gates	<clear-service-pgcp-gates>	<service-pgcp-gates-drain-information>
clear services pgcp gates gateway	<clear-service-pgcp-gates-gateway>	<service-pgcp-gates-gateway-drain-information>
clear services pgcp statistics	<clear-service-pgcp-statistics>	<service-pgcp-statistics-drain-information>
clear services pgcp statistics gateway	<clear-service-pgcp-statistics-gateway>	<service-pgcp-statistics-gateway-drain-information>
clear services server-load-balance external-manager-statistics	<clear-external-manager-statistics>	<NONE>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear services server-load-balance hash-table	<clear-hash-table-information>	<NONE>
clear services server-load-balance health-monitor-statistics	<clear-health-monitor-statistics>	<NONE>
clear services server-load-balance real-server-group-statistics	<clear-real-server-group-statistics>	<NONE>
clear services server-load-balance real-server-statistics	<clear-real-server-statistics>	<NONE>
clear services server-load-balance sticky	<clear-sticky-table>	<NONE>
clear services server-load-balance virtual-server-statistics	<clear-virtual-server-statistics>	<NONE>
clear services service-sets statistics packet-drops	<clear-service-set-packet-drop-statistics>	<service-set-packet-drop-statistics>
clear services service-sets statistics syslog	<clear-service-set-syslog-statistics>	<service-set-syslog-drop-statistics>
clear services stateful-firewall flow-analysis	<clear-service-flow-analysis>	<clear-service-flow-analysis>
clear services stateful-firewall flows	<clear-service-sfw-flow-table-information>	<service-sfw-flow-drain-information>
clear services stateful-firewall sip-call	<clear-service-sfw-sip-call-information>	<service-sfw-sip-call-drain-information>
clear services stateful-firewall sip-register	<clear-service-sfw-sip-register-information>	<service-sfw-sip-register-drain-information>
clear services subscriber sessions	<get-services-subscriber-sessions>	<packet-triggered-subscribers-information>
clear snmp history	<clear-snmp-history>	<none>
clear snmp statistics	<clear-snmp-statistics>	<none>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear spanning-tree protocol-migration interface	<clear-interface-stp-protocol-migration>	<interface-stp-protocol-migration>
clear spanning-tree statistics interface	<clear-stp-interface-statistics>	<stp-interface-statistics>
clear spanning-tree statistics routing-instance	<clear-stp-routing-instance-statistics>	<stp-routing-instance-statistics>
clear spanning-tree topology-change-counter	<clear-stp-topology-change-counter>	<stp-topology-change-counter>
clear synchronous-ethernet esmc statistics	<clear-synchronous-ethernet-esmc-statistics>	<clock-synchronization-clear-output>
clear system commit	<clear-system-commit>	<NONE>
clear system login lockout	<clear-system-login-lockout>	<clear-system-login-lockout>
clear system reboot	<clear-reboot>	<clear-reboot-status>
clear system services dhcp binding	<clear-dhcp-binding-information>	<none>
clear system services dhcp conflict	<clear-dhcp-conflict-information>	<none>
clear system services dhcp statistics	<clear-dhcp-statistics-information>	<none>
clear system services reverse	<clear-system-services-reverse-information>	<NONE>
clear vpls mac-table	<clear-vpls-mac-table>	<NONE>
clear vpls mac-table interface	<clear-vpls-interface-mac-table>	<NONE>
clear vrrp	<clear-vrrp-information>	<vrrp-message>
clear vrrp interface	<clear-vrrp-interface-statistics>	<vrrp-message>
file checksum md5	<get-checksum-information>	<checksum-information>
file checksum sha-256	<get-sha256-checksum-information>	<checksum-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
file checksum sha1	<get-sha1-checksum-information>	<checksum-information>
file compare	<file-compare>	<NONE>
file delete	<file-delete>	<NONE>
file list	<file-list>	<directory-list>
file show	<file-show>	<file-content>
help syslog	<get-syslog-tag-information>	<syslog-tag-information>
help syslog facility	<get-syslog-facility-information>	<syslog-tag-information>
help tip cli	<get-cli-tip>	<NONE>
monitor ethernet delay-measurement	<request-monitor-ethernet-delay-measurement>	<ethdm-results>
monitor ethernet loss-measurement	<request-monitor-ethernet-loss-measurement>	<ethlm-results>
op	<op-script>	<NONE>
ping	<ping>	<NONE>
ping ethernet	<request-ping-ethernet>	<ethping-results>
ping mpls bgp	<request-ping-bgp-lsp>	<NONE>
ping mpls l2circuit interface	<request-ping-l2circuit-interface>	<NONE>
ping mpls l2circuit virtual-circuit	<request-ping-l2circuit-virtual-circuit>	<NONE>
ping mpls l2vpn instance	<request-ping-l2vpn-instance>	<NONE>
ping mpls l2vpn interface	<request-ping-l2vpn-interface>	<NONE>
ping mpls l3vpn	<request-ping-l3vpn>	<NONE>
ping mpls ldp	<request-ping-ldp-lsp>	<NONE>
ping mpls ldp p2mp	<request-ping-ldp-p2mp-lsp>	<NONE>
ping mpls lsp-end-point	<request-ping-lsp-end-point>	<NONE>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
ping mpls rsvp	<request-ping-rsvp-lsp>	<NONE>
ping mpls rsvp dynamic-bypass	<request-ping-rsvp-dynamic-bypass-lsp>	<NONE>
ping mpls rsvp manual-bypass	<request-ping-rsvp-manual-bypass-lsp>	<NONE>
ping vpls instance	<request-ping-vpls-instance>	<NONE>
quit	<request-end-session>	<end-session>
request chassis beacon	<request-chassis-beacon>	<chassis-beacon-information>
request chassis feb	<request-feb>	<NONE>
request chassis redundancy feb	<request-redundancy-feb>	<NONE>
request dhcp server reconfigure	<request-dhcp-server-reconfigure-information>	<NONE>
request dhcpv6 server reconfigure	<request-dhcpv6-server-reconfigure-information>	<NONE>
request interface rebalance	<request-rebalance-interface>	<rebalance-interface>
request interface revert	<revert-redundancy-interface-to-primary>	<none>
request interface switchover	<switch-redundancy-interface-to-secondary>	<none>
request lacp link-switchover	<request-lacp-link-protection-switchover>	<lacp-link-switchover>
request pppoe connect	<pppoe-connect-session>	<none>
request pppoe disconnect	<pppoe-diconnect-session>	<none>
request protection-group ethernet-aps	<request-protection-group-ethernet-aps>	<none>
request security datapath-debug action-profile reload-all	<reload-eedebg-action-profile>	<message>



**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
request security idp security-package download	<request-idp-security-package-download>	<secpack-download-status>
request security idp security-package download version	<request-idp-security-package-download-version>	<secpack-download-status>
request security idp security-package install	<request-idp-security-package-install>	<secpack-update-status>
request security idp ssl-inspection key add	<request-idp-ssl-key-add>	<request-idp-ssl-key-add>
request security idp ssl-inspection key delete	<request-idp-ssl-key-delete>	<request-idp-ssl-key-delete>
request security pki ca-certificate load	<load-pki-ca-certificate>	<NONE>
request security pki ca-certificate verify	<verify-pki-ca-certificate>	<NONE>
request security pki crl load	<load-pki-crl>	<NONE>
request security pki generate-certificate-request	<generate-pki-certificate-request>	<NONE>
request security pki generate-key-pair	<generate-pki-key-pair>	<NONE>
request security pki local-certificate generate-self-signed	<generate-pki-self-signed-local-certificate>	<NONE>
request security pki local-certificate load	<load-pki-local-certificate>	<NONE>
request security pki local-certificate verify	<verify-pki-local-certificate>	<NONE>
request services application-identification download	<request-appid-application-package-download>	<appid-download-status>
request services application-identification download status	<request-appid-application-package-download-status>	<appid-download-status>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
request services application-identification download version	<request-appid-application-package-download-version>	<appid-download-status>
request services application-identification uninstall	<request-appid-application-package-uninstall>	<appid-apppack-uninstall>
request services flow-collector change-destination	<request-services-flow-collector-destination>	<flow-collector-destination-response>
request services flow-collector test-file-transfer	<request-services-flow-collector-test-file-transfer>	<flow-collector-test-file-transfer-response>
request services ggsn pdp terminate apn	<request-ggsn-terminate-contexts-apn>	<apn-pdp-context-deletion-results>
request services ggsn pdp terminate context	<request-ggsn-terminate-context>	<pdp-context-deletion-results>
request services ggsn pdp terminate context msisdn	<request-ggsn-terminate-msisdn-context>	<NONE>
request services ggsn restart interface	<request-ggsn-restart-interface>	<interface-action-results>
request services ggsn restart node	<request-ggsn-restart-node>	<node-action-results>
request services ggsn stop interface	<request-ggsn-stop-interface>	<interface-action-results>
request services ggsn stop node	<request-ggsn-stop-node>	<NONE>
request services ggsn trace software update	<request-ggsn-software-update>	<software-action-results>
request services ggsn trace start imsi	<request-ggsn-start-imsi-trace>	<NONE>
request services ggsn trace start msisdn	<request-ggsn-start-msisdn-trace>	<NONE>
request services ggsn trace stop all	<request-ggsn-stop-trace-activity>	<NONE>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
request services ggsn trace stop imsi	<request-ggsn-stop-imsi-trace>	<NONE>
request services ggsn trace stop msisdn	<request-ggsn-stop-msisdn-trace>	<NONE>
request snmp spoof-trap	<request-snmp-spoof-trap>	<snmp-spoof-trap-results>
request system configuration rescue delete	<request-delete-rescue-configuration>	<rescue-management-results>
request system configuration rescue save	<request-save-rescue-configuration>	<rescue-management-results>
request system fips self-test	<fips-selftest>	<NONE>
request system halt	<request-halt>	<NONE>
request system license delete	<request-license-delete>	<NONE>
request system license update	<request-license-update>	<NONE>
request system logout	<request-logout-user>	<logout-user>
request system power-off	<request-power-off>	<NONE>
request system reboot	<request-reboot>	<request-reboot-results>
request system scripts add	<request-scripts-package-add>	<NONE>
request system scripts delete	<request-scripts-package-delete>	<NONE>
request system scripts event-scripts reload	<reload-event-scripts>	<event-scripts-reload>
request system scripts refresh-from	<request-script-refresh-from>	<NONE>
request system scripts rollback	<request-scripts-package-rollback>	<NONE>
request system snapshot	<request-snapshot>	<NONE>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
request system software abort in-service-upgrade	<abort-in-service-upgrade>	<NONE>
request system software add	<request-package-add>	<NONE>
request system software delete	<request-package-delete>	<NONE>
request system software delete-backup	<request-package-delete-backup>	<NONE>
request system software in-service-upgrade	<request-package-in-service-upgrade>	<NONE>
request system software nonstop-upgrade	<request-package-nonstop-upgrade>	<NONE>
request system software rollback	<request-package-rollback>	<NONE>
request system software validate	<request-package-validate>	<NONE>
request system software validate in-service-upgrade	<check-in-service-upgrade>	<NONE>
request system storage cleanup	<request-system-storage-cleanup>	<system-storage-cleanup-information>
request system storage cleanup diagnostic-routing-engine	<remove-diagnostic-routing-engine-contents>	<diagnostic-routing-engine-cleanup>
restart kernel-replication	<restart-kernel-replication>	<restart-kernel-replication>
set cli logical-system	<set-logical-router>	<NONE>
show accounting profile	<get-accounting-profile-information>	<accounting-profile-information>
show accounting records	<get-accounting-record-information>	<accounting-record-information>
show amt statistics	<get-amt-statistics>	<amt-instance-statistics>
show amt summary	<get-amt-summary>	<amt-summary>
show amt tunnel	<get-amt-tunnel-information>	<amt-tunnel-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ancp cos	<get-ancp-cos-information>	<ancp-cos-information>
show ancp cos last-update	<get-ancp-cos-last-update-information>	<ancp-cos-information>
show ancp cos pending-update	<get-ancp-cos-pending-information>	<ancp-cos-information>
show ancp neighbor	<get-ancp-neighbor-information>	<ancp-neighbor-information>
show ancp subscriber	<get-ancp-subscriber-information>	<ancp-subscriber-information>
show ancp subscriber identifier	<get-ancp-subscriber-identifier-information>	<ancp-subscriber-information>
show ancp subscriber neighbor	<get-ancp-subscriber-neighbor-information>	<ancp-subscriber-information>
show aps	<get-aps-information>	<aps-interface-information>
show aps group	<get-aps-group-information>	<aps-interface-information>
show aps interface	<get-aps-interface-information>	<aps-interface-information>
show arp	<get-arp-table-information>	<arp-table-information>
show bfd session	<get-bfd-session-information>	<bfd-session-information>
show bgp group	<get-bgp-group-information>	<bgp-group-information>
show bgp group rtf	<get-bgp-rtf-information>	<bgp-rtf-information>
show bgp group traffic-statistics	<get-bgp-traffic-statistics-information>	<bgp-traffic-statistics-information>
show bgp neighbor	<get-bgp-neighbor-information>	<bgp-information>
show bgp neighbor orf	<get-bgp-orf-information>	<bgp-orf-information>
show bgp summary	<get-bgp-summary-information>	<bgp-information>
show bridge domain	<get-bridge-instance-information>	<NONE>
show bridge flood event-queue	<get-bridge-domain-event-queue-information>	<l2ald-bridge-domain-flood-event-queue>
show bridge flood route all-ce-flood	<get-show-bridge-domain-all-ce-flood-route-information>	<l2ald-bridge-domain-flood-route-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show bridge flood route all-ve-flood	<get-show-bridge-domain-ve-flood-route-information>	<l2ald-bridge-domain-flood-route-information>
show bridge flood route alt-root-flood	<get-bridge-domain-alt-root-flood-route-information>	<l2ald-bridge-domain-flood-route-information>
show bridge flood route bd-flood	<get-bridge-domain-bd-flood-route-information>	<l2ald-bridge-domain-flood-route-information>
show bridge flood route mlp-flood	<get-bridge-domain-mlp-flood-route-information>	<l2ald-bridge-domain-flood-route-information>
show bridge flood route re-flood	<get-bridge-domain-re-flood-route-information>	<l2ald-bridge-domain-flood-route-information>
show bridge mac-table	<get-bridge-mac-table>	<NONE>
show bridge mac-table interface	<get-bridge-interface-mac-table>	<NONE>
show bridge statistics	<get-bridge-statistics-information>	<bridge-statistics-information>
show chassis alarms	<get-alarm-information>	<alarm-information>
show chassis alarms fpc	<get-fpc-alarm-information>	<alarm-information>
show chassis beacon	<get-chassis-beacon-information>	<chassis-beacon-information>
show chassis cfeb	<get-cfeb-information>	<scb-information>
show chassis craft-interface	<get-craft-information>	<craft-information>
show chassis environment	<get-environment-information>	<environment-information>
show chassis environment cb	<get-environment-cb-information>	<environment-component-information>
show chassis environment cip	<get-environment-cip-information>	<environment-component-information>
show chassis environment feb	<get-environment-feb-information>	<environment-component-information>
show chassis environment fpc	<get-environment-fpc-information>	<environment-component-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show chassis environment fpm	<get-environment-fpm-information>	<environment-component-information>
show chassis environment mcs	<get-environment-mcs-information>	<environment-component-information>
show chassis environment pcg	<get-environment-pcg-information>	<environment-component-information>
show chassis environment pem	<get-environment-pem-information>	<environment-component-information>
show chassis environment power-supply-unit	<get-environment-power-supply-unit-information>	<environment-component-information>
show chassis environment psu	<get-environment-psu-information>	<environment-component-information>
show chassis environment routing-engine	<get-environment-re-information>	<environment-component-information>
show chassis environment scg	<get-environment-scg-information>	<environment-component-information>
show chassis environment sfm	<get-environment-sfm-information>	<environment-component-information>
show chassis environment sib	<get-environment-sib-information>	<environment-component-information>
show chassis fabric connectivity	<get-chassis-fabric-connectivity-information>	<chassis-fabric-connectivity>
show chassis fabric device	<get-chassis-fabric-information-device>	<chassis-fabric-information-device>
show chassis fabric errors fpc	<get-fm-fpc-errors>	<fm-fru-errors>
show chassis fabric errors sib	<get-fm-sib-errors>	<fm-fru-errors>
show chassis fabric fpcs	<get-fm-fpc-state-information>	<fm-fpc-state-information>
show chassis fabric links	<get-chassis-fabric-link-information>	<chassis-fabric-information>
show chassis fabric map	<get-fm-topology>	<fm-topology>
show chassis fabric plane	<get-fm-plane-state-information>	<fm-plane-state-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show chassis fabric plane-location	<get-fm-plane-location-information>	<fm-plane-location-information>
show chassis fabric reachability	<get-fm-fabric-reachability-information>	<fm-fabric-reachability-information>
show chassis fabric sibs	<get-fm-sib-state-information>	<fm-sib-state-information>
show chassis fabric spray-weights	<get-chassis-fabric-spray-weight-information>	<chassis-fabric-spray-weight-information>
show chassis fabric summary	<get-fm-state-information>	<fm-state-information>
show chassis fabric topology	<get-chassis-fabric-topology-information>	<chassis-fabric-information>
show chassis fabric unreachable-destinations	<get-fm-unreachable-dest-information>	<fm-unreachable-dest-information>
show chassis feb	<get-feb-brief-information>	<scb-information>
show chassis feb detail	<get-feb-information>	<scb-information>
show chassis firmware	<get-firmware-information>	<firmware-information>
show chassis firmware detail	<get-firmware-information-detail>	<hardware-version-information>
show chassis forwarding	<get-fwdd-information>	<scb-information>
show chassis fpc	<get-fpc-information>	<fpc-information>
show chassis fpc pic-status	<get-pic-information>	<fpc-information>
show chassis fpc-feb-connectivity	<get-fpc-feb-connectivity-information>	<fpc-feb-connectivity>
show chassis hardware	<get-chassis-inventory>	<chassis-inventory>
show chassis ioc-npc-connectivity	<get-ioc-npc-connectivity-information>	<ioc-npc-connectivity>
show chassis lccs	<get-fru-information>	<fru-information>
show chassis location	<get-chassis-location>	<chassis-location>



**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show chassis location interface by-name	<get-interface-location-name-information>	<interface-location-name-information>
show chassis location interface by-slot	<get-interface-location-information>	<interface-location-slot-information>
show chassis network-services	<network-services>	<network-services>
show chassis pic	<get-pic-detail>	<fpc-information>
show chassis power	<get-power-usage-information>	<power-usage-information>
show chassis power sequence	<get-fru-power-on-sequence>	<fru-power-on-sequence>
show chassis power-budget-statistics	<get-power-budget-information>	<power-budget-information>
show chassis power-ratings	<get-power-management>	<power-management-information>
show chassis psd	<get-psd-information>	<psd-information>
show chassis redundancy feb	<get-feb-redundancy-information>	<feb-redundancy-information>
show chassis redundancy feb errors	<get-feb-redundancy-error-information>	<feb-redundancy-error-information>
show chassis redundancy feb redundancy-group	<get-feb-redundancy-group-information>	<feb-redundancy-group-information>
show chassis redundant-power-system	<get-rps-chassis-information>	<rps-chassis-information>
show chassis routing-engine	<get-route-engine-information>	<route-engine-information>
show chassis routing-engine bios	<get-bios-version-information>	<NONE>
show chassis scb	<get-scb-information>	<scb-information>
show chassis sfm	<get-sfm-information>	<scb-information>
show chassis sibs	<get-sib-information>	<sib-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show chassis spmb	<get-spmb-information>	<spmb-information>
show chassis spmb sibs	<get-spmb-sib-information>	<sib-information>
show chassis ssb	<get-ssb-information>	<scb-information>
show chassis synchronization	<get-clock-synchronization-information>	<clock-synchronization-information>
show chassis temperature-thresholds	<get-temperature-threshold-information>	<temperature-threshold-information>
show chassis tfeb	<get-tfeb-information>	<scb-information>
show chassis vcpu	<get-vcpu-information>	<vcpu-information>
show chassis zones	<get-chassis-zones-information>	<chassis-zones-information>
show class-of-service	<get-cos-information>	<cos-information>
show class-of-service adaptive-shaper	<get-cos-adaptive-shaper-information>	<cos-adaptive-shaper-information>
show class-of-service classifier	<get-cos-classifier-information>	<cos-classifier-information>
show class-of-service code-point-aliases	<get-cos-code-point-map-information>	<cos-code-point-map-information>
show class-of-service congestion-notification	<get-cos-congestion-notification-information>	<cos-congestion-notification-information>
show class-of-service drop-profile	<get-cos-drop-profile-information>	<cos-drop-profile-information>
show class-of-service fabric scheduler-map	<get-cos-fabric-scheduler-map-information>	<cos-fabric-scheduler-map-information>
show class-of-service fabric statistics	<get-fabric-queue-information>	<fabric-queue-information>
show class-of-service forwarding-class	<get-cos-forwarding-class-information>	<cos-forwarding-class-information>
show class-of-service forwarding-class-set	<get-cos-forwarding-class-set-information>	<cos-forwarding-class-set-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show class-of-service forwarding-table	<get-cos-table-information>	<cos-table-information>
show class-of-service forwarding-table classifier	<get-cos-classifier-table-information>	<cos-classifier-table-information>
show class-of-service forwarding-table classifier mapping	<get-cos-classifier-table-map-information>	<cos-classifier-table-map-information>
show class-of-service forwarding-table drop-profile	<get-cos-red-information>	<cos-red-information>
show class-of-service forwarding-table fabric scheduler-map	<get-cos-fwtab-fabric-scheduler-map-information>	<cos-fwtab-fabric-scheduler-map-information>
show class-of-service forwarding-table forwarding-class-map	<get-cos-forwarding-class-map-table-information>	<cos-forwarding-class-map-table-information>
show class-of-service forwarding-table forwarding-class-map mapping	<get-cos-forwarding-class-map-interface-table-information>	<cos-forwarding-class-map-interface-table-information>
show class-of-service forwarding-table loss-priority-map	<get-cos-loss-priority-map-table-information>	<cos-loss-priority-map-table-information>
show class-of-service forwarding-table loss-priority-map mapping	<get-cos-loss-priority-map-table-binding-information>	<cos-loss-priority-map-table-binding-information>
show class-of-service forwarding-table loss-priority-rewrite	<get-cos-loss-priority-rewrite-table-information>	<cos-loss-priority-rewrite-table-information>
show class-of-service forwarding-table loss-priority-rewrite mapping	<get-cos-loss-priority-rewrite-table-binding-information>	<cos-loss-priority-rewrite-table-binding-information>
show class-of-service forwarding-table policer	<get-cos-policer-table-map-information>	<cos-policer-table-map-information>
show class-of-service forwarding-table rewrite-rule	<get-cos-rewrite-table-information>	<cos-rewrite-table-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show class-of-service forwarding-table rewrite-rule mapping	<get-cos-rewrite-table-map-information>	<cos-rewrite-table-map-information>
show class-of-service forwarding-table scheduler-map	<get-cos-scheduler-map-table-information>	<cos-scheduler-map-table-information>
show class-of-service forwarding-table shaper	<get-cos-shaper-table-map-information>	<cos-shaper-table-map-information>
show class-of-service forwarding-table translation-table	<get-cos-translation-table-information>	<cos-translation-table-information>
show class-of-service forwarding-table translation-table mapping	<get-cos-translation-table-mapping-information>	<cos-translation-table-mapping-information>
show class-of-service fragmentation-map	<get-cos-fragmentation-map-information>	<cos-fragmentation-map-information>
show class-of-service interface	<get-cos-interface-map-information>	<cos-interface-information>
show class-of-service interface-set	<get-cos-interface-set-map-information>	<cos-interface-set-information>
show class-of-service l2tp-session	<get-cos-l2tp-session-map-information>	<cos-l2tp-session-information>
show class-of-service loss-priority-map	<get-cos-loss-priority-map-information>	<cos-loss-priority-map-information>
show class-of-service loss-priority-rewrite	<get-cos-loss-priority-rewrite-information>	<cos-loss-priority-rewrite-information>
show class-of-service multi-destination	<get-cos-multi-destination-information>	<cos-multi-destination-information>
show class-of-service rewrite-rule	<get-cos-rewrite-information>	<cos-rewrite-information>
show class-of-service routing-instance	<get-cos-routing-instance-map-information>	<cos-routing-instance-information>
show class-of-service scheduler-map	<get-cos-scheduler-map-information>	<cos-scheduler-map-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show class-of-service traffic-control-profile	<get-cos-traffic-control-profile-information>	<cos-traffic-control-profile-information>
show class-of-service translation-table	<get-cos-translation-table-map-information>	<cos-translation-table-map-information>
show class-of-service virtual-channel	<get-cos-virtual-channel-information>	<cos-virtual-channel-information>
show class-of-service virtual-channel-group	<get-cos-virtual-channel-group-information>	<cos-virtual-channel-group-information>
show cli authorization	<get-authorization-information>	<authorization-information>
show database-replication statistics	<get-database-replication-statistics-information>	<database-replication-statistics-information>
show database-replication summary	<get-database-replication-summary-information>	<database-replication-summary-information>
show ddos-protection protocols	<get-ddos-protocols-information>	<ddos-protocols-information>
show ddos-protection protocols	<get-ddos-protocols-information>	<ddos-protocols-information>
show ddos-protection protocols ancp	<get-ddos-ancp-information>	<ddos-protocols-information>
show ddos-protection protocols ancp	<get-ddos-ancp-information>	<ddos-protocols-information>
show ddos-protection protocols ancp aggregate	<get-ddos-ancp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ancp aggregate	<get-ddos-ancp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ancp parameters	<get-ddos-ancp-parameters>	<ddos-protocols-information>
show ddos-protection protocols ancp parameters	<get-ddos-ancp-parameters>	<ddos-protocols-information>
show ddos-protection protocols ancp statistics	<get-ddos-ancp-statistics>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols ancp statistics	<get-ddos-ancp-statistics>	<ddos-protocols-information>
show ddos-protection protocols ancp violations	<get-ddos-ancp-violations>	<ddos-protocols-information>
show ddos-protection protocols ancp violations	<get-ddos-ancp-violations>	<ddos-protocols-information>
show ddos-protection protocols ancpv6	<get-ddos-ancpv6-information>	<ddos-protocols-information>
show ddos-protection protocols ancpv6	<get-ddos-ancpv6-information>	<ddos-protocols-information>
show ddos-protection protocols ancpv6 aggregate	<get-ddos-ancpv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ancpv6 aggregate	<get-ddos-ancpv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ancpv6 parameters	<get-ddos-ancpv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols ancpv6 parameters	<get-ddos-ancpv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols ancpv6 statistics	<get-ddos-ancpv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols ancpv6 statistics	<get-ddos-ancpv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols ancpv6 violations	<get-ddos-ancpv6-violations>	<ddos-protocols-information>
show ddos-protection protocols ancpv6 violations	<get-ddos-ancpv6-violations>	<ddos-protocols-information>
show ddos-protection protocols arp	<get-ddos-arp-information>	<ddos-protocols-information>
show ddos-protection protocols arp	<get-ddos-arp-information>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols arp aggregate	<get-ddos-arp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols arp aggregate	<get-ddos-arp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols arp parameters	<get-ddos-arp-parameters>	<ddos-protocols-information>
show ddos-protection protocols arp parameters	<get-ddos-arp-parameters>	<ddos-protocols-information>
show ddos-protection protocols arp statistics	<get-ddos-arp-statistics>	<ddos-protocols-information>
show ddos-protection protocols arp statistics	<get-ddos-arp-statistics>	<ddos-protocols-information>
show ddos-protection protocols arp violations	<get-ddos-arp-violations>	<ddos-protocols-information>
show ddos-protection protocols arp violations	<get-ddos-arp-violations>	<ddos-protocols-information>
show ddos-protection protocols atm	<get-ddos-atm-information>	<ddos-protocols-information>
show ddos-protection protocols atm	<get-ddos-atm-information>	<ddos-protocols-information>
show ddos-protection protocols atm aggregate	<get-ddos-atm-aggregate>	<ddos-protocols-information>
show ddos-protection protocols atm aggregate	<get-ddos-atm-aggregate>	<ddos-protocols-information>
show ddos-protection protocols atm parameters	<get-ddos-atm-parameters>	<ddos-protocols-information>
show ddos-protection protocols atm parameters	<get-ddos-atm-parameters>	<ddos-protocols-information>
show ddos-protection protocols atm statistics	<get-ddos-atm-statistics>	<ddos-protocols-information>
show ddos-protection protocols atm statistics	<get-ddos-atm-statistics>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols atm violations	<get-ddos-atm-violations>	<ddos-protocols-information>
show ddos-protection protocols atm violations	<get-ddos-atm-violations>	<ddos-protocols-information>
show ddos-protection protocols bfd	<get-ddos-bfd-information>	<ddos-protocols-information>
show ddos-protection protocols bfd	<get-ddos-bfd-information>	<ddos-protocols-information>
show ddos-protection protocols bfd aggregate	<get-ddos-bfd-aggregate>	<ddos-protocols-information>
show ddos-protection protocols bfd aggregate	<get-ddos-bfd-aggregate>	<ddos-protocols-information>
show ddos-protection protocols bfd parameters	<get-ddos-bfd-parameters>	<ddos-protocols-information>
show ddos-protection protocols bfd parameters	<get-ddos-bfd-parameters>	<ddos-protocols-information>
show ddos-protection protocols bfd statistics	<get-ddos-bfd-statistics>	<ddos-protocols-information>
show ddos-protection protocols bfd statistics	<get-ddos-bfd-statistics>	<ddos-protocols-information>
show ddos-protection protocols bfd violations	<get-ddos-bfd-violations>	<ddos-protocols-information>
show ddos-protection protocols bfd violations	<get-ddos-bfd-violations>	<ddos-protocols-information>
show ddos-protection protocols bfdv6	<get-ddos-bfdv6-information>	<ddos-protocols-information>
show ddos-protection protocols bfdv6	<get-ddos-bfdv6-information>	<ddos-protocols-information>
show ddos-protection protocols bfdv6 aggregate	<get-ddos-bfdv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols bfdv6 aggregate	<get-ddos-bfdv6-aggregate>	<ddos-protocols-information>



**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols bfdv6 parameters	<get-ddos-bfdv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols bfdv6 parameters	<get-ddos-bfdv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols bfdv6 statistics	<get-ddos-bfdv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols bfdv6 statistics	<get-ddos-bfdv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols bfdv6 violations	<get-ddos-bfdv6-violations>	<ddos-protocols-information>
show ddos-protection protocols bfdv6 violations	<get-ddos-bfdv6-violations>	<ddos-protocols-information>
show ddos-protection protocols bgp	<get-ddos-bgp-information>	<ddos-protocols-information>
show ddos-protection protocols bgp	<get-ddos-bgp-information>	<ddos-protocols-information>
show ddos-protection protocols bgp aggregate	<get-ddos-bgp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols bgp aggregate	<get-ddos-bgp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols bgp parameters	<get-ddos-bgp-parameters>	<ddos-protocols-information>
show ddos-protection protocols bgp parameters	<get-ddos-bgp-parameters>	<ddos-protocols-information>
show ddos-protection protocols bgp statistics	<get-ddos-bgp-statistics>	<ddos-protocols-information>
show ddos-protection protocols bgp statistics	<get-ddos-bgp-statistics>	<ddos-protocols-information>
show ddos-protection protocols bgp violations	<get-ddos-bgp-violations>	<ddos-protocols-information>
show ddos-protection protocols bgp violations	<get-ddos-bgp-violations>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols bgp6	<get-ddos-bgp6-information>	<ddos-protocols-information>
show ddos-protection protocols bgp6	<get-ddos-bgp6-information>	<ddos-protocols-information>
show ddos-protection protocols bgp6 aggregate	<get-ddos-bgp6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols bgp6 aggregate	<get-ddos-bgp6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols bgp6 parameters	<get-ddos-bgp6-parameters>	<ddos-protocols-information>
show ddos-protection protocols bgp6 parameters	<get-ddos-bgp6-parameters>	<ddos-protocols-information>
show ddos-protection protocols bgp6 statistics	<get-ddos-bgp6-statistics>	<ddos-protocols-information>
show ddos-protection protocols bgp6 statistics	<get-ddos-bgp6-statistics>	<ddos-protocols-information>
show ddos-protection protocols bgp6 violations	<get-ddos-bgp6-violations>	<ddos-protocols-information>
show ddos-protection protocols bgp6 violations	<get-ddos-bgp6-violations>	<ddos-protocols-information>
show ddos-protection protocols demux-autosense	<get-ddos-demuxauto-information>	<ddos-protocols-information>
show ddos-protection protocols demux-autosense	<get-ddos-demuxauto-information>	<ddos-protocols-information>
show ddos-protection protocols demux-autosense aggregate	<get-ddos-demuxauto-aggregate>	<ddos-protocols-information>
show ddos-protection protocols demux-autosense aggregate	<get-ddos-demuxauto-aggregate>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols demux-autosense parameters	<get-ddos-demuxauto-parameters>	<ddos-protocols-information>
show ddos-protection protocols demux-autosense parameters	<get-ddos-demuxauto-parameters>	<ddos-protocols-information>
show ddos-protection protocols demux-autosense statistics	<get-ddos-demuxauto-statistics>	<ddos-protocols-information>
show ddos-protection protocols demux-autosense statistics	<get-ddos-demuxauto-statistics>	<ddos-protocols-information>
show ddos-protection protocols demux-autosense violations	<get-ddos-demuxauto-violations>	<ddos-protocols-information>
show ddos-protection protocols demux-autosense violations	<get-ddos-demuxauto-violations>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4	<get-ddos-dhcpv4-information>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4	<get-ddos-dhcpv4-information>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 ack	<get-ddos-dhcpv4-ack>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 ack	<get-ddos-dhcpv4-ack>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 aggregate	<get-ddos-dhcpv4-aggregate>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 aggregate	<get-ddos-dhcpv4-aggregate>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols dhcpv4 bad-packets	<get-ddos-dhcpv4-bad-pack>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 bad-packets	<get-ddos-dhcpv4-bad-pack>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 bootp	<get-ddos-dhcpv4-bootp>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 bootp	<get-ddos-dhcpv4-bootp>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 decline	<get-ddos-dhcpv4-decline>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 decline	<get-ddos-dhcpv4-decline>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 discover	<get-ddos-dhcpv4-discover>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 discover	<get-ddos-dhcpv4-discover>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 force-renew	<get-ddos-dhcpv4-forcerenew>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 force-renew	<get-ddos-dhcpv4-forcerenew>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 inform	<get-ddos-dhcpv4-inform>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 inform	<get-ddos-dhcpv4-inform>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 lease-active	<get-ddos-dhcpv4-leaseact>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 lease-active	<get-ddos-dhcpv4-leaseact>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols dhcpv4 lease-query	<get-ddos-dhcpv4-leasequery>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 lease-query	<get-ddos-dhcpv4-leasequery>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 lease-unassigned	<get-ddos-dhcpv4-leaseuna>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 lease-unassigned	<get-ddos-dhcpv4-leaseuna>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 lease-unknown	<get-ddos-dhcpv4-leaseunk>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 lease-unknown	<get-ddos-dhcpv4-leaseunk>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 nak	<get-ddos-dhcpv4-nak>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 nak	<get-ddos-dhcpv4-nak>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 no-message-type	<get-ddos-dhcpv4-no-msgtype>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 no-message-type	<get-ddos-dhcpv4-no-msgtype>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 offer	<get-ddos-dhcpv4-offer>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 offer	<get-ddos-dhcpv4-offer>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 parameters	<get-ddos-dhcpv4-parameters>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols dhcpv4 parameters	<get-ddos-dhcpv4-parameters>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 release	<get-ddos-dhcpv4-release>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 release	<get-ddos-dhcpv4-release>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 renew	<get-ddos-dhcpv4-renew>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 renew	<get-ddos-dhcpv4-renew>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 request	<get-ddos-dhcpv4-request>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 request	<get-ddos-dhcpv4-request>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 statistics	<get-ddos-dhcpv4-statistics>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 statistics	<get-ddos-dhcpv4-statistics>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 unclassified	<get-ddos-dhcpv4-unclass>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 unclassified	<get-ddos-dhcpv4-unclass>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 violations	<get-ddos-dhcpv4-violations>	<ddos-protocols-information>
show ddos-protection protocols dhcpv4 violations	<get-ddos-dhcpv4-violations>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6	<get-ddos-dhcpv6-information>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6	<get-ddos-dhcpv6-information>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols dhcpv6 advertise	<get-ddos-dhcpv6-advertise>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 advertise	<get-ddos-dhcpv6-advertise>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 aggregate	<get-ddos-dhcpv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 aggregate	<get-ddos-dhcpv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 confirm	<get-ddos-dhcpv6-confirm>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 confirm	<get-ddos-dhcpv6-confirm>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 decline	<get-ddos-dhcpv6-decline>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 decline	<get-ddos-dhcpv6-decline>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 information-request	<get-ddos-dhcpv6-info-req>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 information-request	<get-ddos-dhcpv6-info-req>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 leasequery	<get-ddos-dhcpv6-leasequery>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 leasequery	<get-ddos-dhcpv6-leasequery>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 leasequery-data	<get-ddos-dhcpv6-leaseq-da>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols dhcpv6 leasequery-data	<get-ddos-dhcpv6-leaseq-da>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 leasequery-done	<get-ddos-dhcpv6-leaseq-do>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 leasequery-done	<get-ddos-dhcpv6-leaseq-do>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 leasequery-reply	<get-ddos-dhcpv6-leaseq-re>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 leasequery-reply	<get-ddos-dhcpv6-leaseq-re>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 parameters	<get-ddos-dhcpv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 parameters	<get-ddos-dhcpv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 rebind	<get-ddos-dhcpv6-rebind>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 rebind	<get-ddos-dhcpv6-rebind>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 reconfigure	<get-ddos-dhcpv6-reconfig>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 reconfigure	<get-ddos-dhcpv6-reconfig>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 relay-forward	<get-ddos-dhcpv6-relay-for>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 relay-forward	<get-ddos-dhcpv6-relay-for>	<ddos-protocols-information>



**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols dhcpv6 relay-reply	<get-ddos-dhcpv6-relay-rep>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 relay-reply	<get-ddos-dhcpv6-relay-rep>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 release	<get-ddos-dhcpv6-release>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 release	<get-ddos-dhcpv6-release>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 renew	<get-ddos-dhcpv6-renew>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 renew	<get-ddos-dhcpv6-renew>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 reply	<get-ddos-dhcpv6-reply>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 reply	<get-ddos-dhcpv6-reply>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 request	<get-ddos-dhcpv6-request>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 request	<get-ddos-dhcpv6-request>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 solicit	<get-ddos-dhcpv6-solicit>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 solicit	<get-ddos-dhcpv6-solicit>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 statistics	<get-ddos-dhcpv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 statistics	<get-ddos-dhcpv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 unclassified	<get-ddos-dhcpv6-unclass>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols dhcpv6 unclassified	<get-ddos-dhcpv6-unclass>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 violations	<get-ddos-dhcpv6-violations>	<ddos-protocols-information>
show ddos-protection protocols dhcpv6 violations	<get-ddos-dhcpv6-violations>	<ddos-protocols-information>
show ddos-protection protocols diameter	<get-ddos-diameter-information>	<ddos-protocols-information>
show ddos-protection protocols diameter	<get-ddos-diameter-information>	<ddos-protocols-information>
show ddos-protection protocols diameter aggregate	<get-ddos-diameter-aggregate>	<ddos-protocols-information>
show ddos-protection protocols diameter aggregate	<get-ddos-diameter-aggregate>	<ddos-protocols-information>
show ddos-protection protocols diameter parameters	<get-ddos-diameter-parameters>	<ddos-protocols-information>
show ddos-protection protocols diameter parameters	<get-ddos-diameter-parameters>	<ddos-protocols-information>
show ddos-protection protocols diameter statistics	<get-ddos-diameter-statistics>	<ddos-protocols-information>
show ddos-protection protocols diameter statistics	<get-ddos-diameter-statistics>	<ddos-protocols-information>
show ddos-protection protocols diameter violations	<get-ddos-diameter-violations>	<ddos-protocols-information>
show ddos-protection protocols diameter violations	<get-ddos-diameter-violations>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols dns	<get-ddos-dns-information>	<ddos-protocols-information>
show ddos-protection protocols dns	<get-ddos-dns-information>	<ddos-protocols-information>
show ddos-protection protocols dns aggregate	<get-ddos-dns-aggregate>	<ddos-protocols-information>
show ddos-protection protocols dns aggregate	<get-ddos-dns-aggregate>	<ddos-protocols-information>
show ddos-protection protocols dns parameters	<get-ddos-dns-parameters>	<ddos-protocols-information>
show ddos-protection protocols dns parameters	<get-ddos-dns-parameters>	<ddos-protocols-information>
show ddos-protection protocols dns statistics	<get-ddos-dns-statistics>	<ddos-protocols-information>
show ddos-protection protocols dns statistics	<get-ddos-dns-statistics>	<ddos-protocols-information>
show ddos-protection protocols dns violations	<get-ddos-dns-violations>	<ddos-protocols-information>
show ddos-protection protocols dns violations	<get-ddos-dns-violations>	<ddos-protocols-information>
show ddos-protection protocols dtcp	<get-ddos-dtcp-information>	<ddos-protocols-information>
show ddos-protection protocols dtcp	<get-ddos-dtcp-information>	<ddos-protocols-information>
show ddos-protection protocols dtcp aggregate	<get-ddos-dtcp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols dtcp aggregate	<get-ddos-dtcp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols dtcp parameters	<get-ddos-dtcp-parameters>	<ddos-protocols-information>
show ddos-protection protocols dtcp parameters	<get-ddos-dtcp-parameters>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols dtcp statistics	<get-ddos-dtcp-statistics>	<ddos-protocols-information>
show ddos-protection protocols dtcp statistics	<get-ddos-dtcp-statistics>	<ddos-protocols-information>
show ddos-protection protocols dtcp violations	<get-ddos-dtcp-violations>	<ddos-protocols-information>
show ddos-protection protocols dtcp violations	<get-ddos-dtcp-violations>	<ddos-protocols-information>
show ddos-protection protocols dynamic-vlan	<get-ddos-dynvlan-information>	<ddos-protocols-information>
show ddos-protection protocols dynamic-vlan	<get-ddos-dynvlan-information>	<ddos-protocols-information>
show ddos-protection protocols dynamic-vlan aggregate	<get-ddos-dynvlan-aggregate>	<ddos-protocols-information>
show ddos-protection protocols dynamic-vlan aggregate	<get-ddos-dynvlan-aggregate>	<ddos-protocols-information>
show ddos-protection protocols dynamic-vlan parameters	<get-ddos-dynvlan-parameters>	<ddos-protocols-information>
show ddos-protection protocols dynamic-vlan parameters	<get-ddos-dynvlan-parameters>	<ddos-protocols-information>
show ddos-protection protocols dynamic-vlan statistics	<get-ddos-dynvlan-statistics>	<ddos-protocols-information>
show ddos-protection protocols dynamic-vlan statistics	<get-ddos-dynvlan-statistics>	<ddos-protocols-information>
show ddos-protection protocols dynamic-vlan violations	<get-ddos-dynvlan-violations>	<ddos-protocols-information>
show ddos-protection protocols dynamic-vlan violations	<get-ddos-dynvlan-violations>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols egpv6	<get-ddos-egpv6-information>	<ddos-protocols-information>
show ddos-protection protocols egpv6	<get-ddos-egpv6-information>	<ddos-protocols-information>
show ddos-protection protocols egpv6 aggregate	<get-ddos-egpv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols egpv6 aggregate	<get-ddos-egpv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols egpv6 parameters	<get-ddos-egpv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols egpv6 parameters	<get-ddos-egpv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols egpv6 statistics	<get-ddos-egpv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols egpv6 statistics	<get-ddos-egpv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols egpv6 violations	<get-ddos-egpv6-violations>	<ddos-protocols-information>
show ddos-protection protocols egpv6 violations	<get-ddos-egpv6-violations>	<ddos-protocols-information>
show ddos-protection protocols eoam	<get-ddos-eoam-information>	<ddos-protocols-information>
show ddos-protection protocols eoam	<get-ddos-eoam-information>	<ddos-protocols-information>
show ddos-protection protocols eoam aggregate	<get-ddos-eoam-aggregate>	<ddos-protocols-information>
show ddos-protection protocols eoam aggregate	<get-ddos-eoam-aggregate>	<ddos-protocols-information>
show ddos-protection protocols eoam parameters	<get-ddos-eoam-parameters>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols eoam parameters	<get-ddos-eoam-parameters>	<ddos-protocols-information>
show ddos-protection protocols eoam statistics	<get-ddos-eoam-statistics>	<ddos-protocols-information>
show ddos-protection protocols eoam statistics	<get-ddos-eoam-statistics>	<ddos-protocols-information>
show ddos-protection protocols eoam violations	<get-ddos-eoam-violations>	<ddos-protocols-information>
show ddos-protection protocols eoam violations	<get-ddos-eoam-violations>	<ddos-protocols-information>
show ddos-protection protocols esmc	<get-ddos-esmc-information>	<ddos-protocols-information>
show ddos-protection protocols esmc	<get-ddos-esmc-information>	<ddos-protocols-information>
show ddos-protection protocols esmc aggregate	<get-ddos-esmc-aggregate>	<ddos-protocols-information>
show ddos-protection protocols esmc aggregate	<get-ddos-esmc-aggregate>	<ddos-protocols-information>
show ddos-protection protocols esmc parameters	<get-ddos-esmc-parameters>	<ddos-protocols-information>
show ddos-protection protocols esmc parameters	<get-ddos-esmc-parameters>	<ddos-protocols-information>
show ddos-protection protocols esmc statistics	<get-ddos-esmc-statistics>	<ddos-protocols-information>
show ddos-protection protocols esmc statistics	<get-ddos-esmc-statistics>	<ddos-protocols-information>
show ddos-protection protocols esmc violations	<get-ddos-esmc-violations>	<ddos-protocols-information>
show ddos-protection protocols esmc violations	<get-ddos-esmc-violations>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols firewall-host	<get-ddos-fw-host-information>	<ddos-protocols-information>
show ddos-protection protocols firewall-host	<get-ddos-fw-host-information>	<ddos-protocols-information>
show ddos-protection protocols firewall-host aggregate	<get-ddos-fw-host-aggregate>	<ddos-protocols-information>
show ddos-protection protocols firewall-host aggregate	<get-ddos-fw-host-aggregate>	<ddos-protocols-information>
show ddos-protection protocols firewall-host parameters	<get-ddos-fw-host-parameters>	<ddos-protocols-information>
show ddos-protection protocols firewall-host parameters	<get-ddos-fw-host-parameters>	<ddos-protocols-information>
show ddos-protection protocols firewall-host statistics	<get-ddos-fw-host-statistics>	<ddos-protocols-information>
show ddos-protection protocols firewall-host statistics	<get-ddos-fw-host-statistics>	<ddos-protocols-information>
show ddos-protection protocols firewall-host violations	<get-ddos-fw-host-violations>	<ddos-protocols-information>
show ddos-protection protocols firewall-host violations	<get-ddos-fw-host-violations>	<ddos-protocols-information>
show ddos-protection protocols firewall-reject	<get-ddos-fw-reject-information>	<ddos-protocols-information>
show ddos-protection protocols firewall-reject	<get-ddos-fw-reject-information>	<ddos-protocols-information>
show ddos-protection protocols firewall-reject aggregate	<get-ddos-fw-reject-aggregate>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols firewall-reject aggregate	<get-ddos-fw-reject-aggregate>	<ddos-protocols-information>
show ddos-protection protocols firewall-reject parameters	<get-ddos-fw-reject-parameters>	<ddos-protocols-information>
show ddos-protection protocols firewall-reject parameters	<get-ddos-fw-reject-parameters>	<ddos-protocols-information>
show ddos-protection protocols firewall-reject statistics	<get-ddos-fw-reject-statistics>	<ddos-protocols-information>
show ddos-protection protocols firewall-reject statistics	<get-ddos-fw-reject-statistics>	<ddos-protocols-information>
show ddos-protection protocols firewall-reject violations	<get-ddos-fw-reject-violations>	<ddos-protocols-information>
show ddos-protection protocols firewall-reject violations	<get-ddos-fw-reject-violations>	<ddos-protocols-information>
show ddos-protection protocols ftp	<get-ddos-ftp-information>	<ddos-protocols-information>
show ddos-protection protocols ftp	<get-ddos-ftp-information>	<ddos-protocols-information>
show ddos-protection protocols ftp aggregate	<get-ddos-ftp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ftp aggregate	<get-ddos-ftp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ftp parameters	<get-ddos-ftp-parameters>	<ddos-protocols-information>
show ddos-protection protocols ftp parameters	<get-ddos-ftp-parameters>	<ddos-protocols-information>
show ddos-protection protocols ftp statistics	<get-ddos-ftp-statistics>	<ddos-protocols-information>



**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols ftp statistics	<get-ddos-ftp-statistics>	<ddos-protocols-information>
show ddos-protection protocols ftp violations	<get-ddos-ftp-violations>	<ddos-protocols-information>
show ddos-protection protocols ftp violations	<get-ddos-ftp-violations>	<ddos-protocols-information>
show ddos-protection protocols ftpv6	<get-ddos-ftp6-information>	<ddos-protocols-information>
show ddos-protection protocols ftpv6	<get-ddos-ftp6-information>	<ddos-protocols-information>
show ddos-protection protocols ftpv6 aggregate	<get-ddos-ftp6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ftpv6 aggregate	<get-ddos-ftp6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ftpv6 parameters	<get-ddos-ftp6-parameters>	<ddos-protocols-information>
show ddos-protection protocols ftpv6 parameters	<get-ddos-ftp6-parameters>	<ddos-protocols-information>
show ddos-protection protocols ftpv6 statistics	<get-ddos-ftp6-statistics>	<ddos-protocols-information>
show ddos-protection protocols ftpv6 statistics	<get-ddos-ftp6-statistics>	<ddos-protocols-information>
show ddos-protection protocols ftpv6 violations	<get-ddos-ftp6-violations>	<ddos-protocols-information>
show ddos-protection protocols ftpv6 violations	<get-ddos-ftp6-violations>	<ddos-protocols-information>
show ddos-protection protocols gre	<get-ddos-gre-information>	<ddos-protocols-information>
show ddos-protection protocols gre	<get-ddos-gre-information>	<ddos-protocols-information>
show ddos-protection protocols gre aggregate	<get-ddos-gre-aggregate>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols gre aggregate	<get-ddos-gre-aggregate>	<ddos-protocols-information>
show ddos-protection protocols gre parameters	<get-ddos-gre-parameters>	<ddos-protocols-information>
show ddos-protection protocols gre parameters	<get-ddos-gre-parameters>	<ddos-protocols-information>
show ddos-protection protocols gre statistics	<get-ddos-gre-statistics>	<ddos-protocols-information>
show ddos-protection protocols gre statistics	<get-ddos-gre-statistics>	<ddos-protocols-information>
show ddos-protection protocols gre violations	<get-ddos-gre-violations>	<ddos-protocols-information>
show ddos-protection protocols gre violations	<get-ddos-gre-violations>	<ddos-protocols-information>
show ddos-protection protocols icmp	<get-ddos-icmp-information>	<ddos-protocols-information>
show ddos-protection protocols icmp	<get-ddos-icmp-information>	<ddos-protocols-information>
show ddos-protection protocols icmp aggregate	<get-ddos-icmp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols icmp aggregate	<get-ddos-icmp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols icmp parameters	<get-ddos-icmp-parameters>	<ddos-protocols-information>
show ddos-protection protocols icmp parameters	<get-ddos-icmp-parameters>	<ddos-protocols-information>
show ddos-protection protocols icmp statistics	<get-ddos-icmp-statistics>	<ddos-protocols-information>
show ddos-protection protocols icmp statistics	<get-ddos-icmp-statistics>	<ddos-protocols-information>
show ddos-protection protocols icmp violations	<get-ddos-icmp-violations>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols icmp violations	<get-ddos-icmp-violations>	<ddos-protocols-information>
show ddos-protection protocols igmp	<get-ddos-igmp-information>	<ddos-protocols-information>
show ddos-protection protocols igmp	<get-ddos-igmp-information>	<ddos-protocols-information>
show ddos-protection protocols igmp aggregate	<get-ddos-igmp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols igmp aggregate	<get-ddos-igmp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols igmp parameters	<get-ddos-igmp-parameters>	<ddos-protocols-information>
show ddos-protection protocols igmp parameters	<get-ddos-igmp-parameters>	<ddos-protocols-information>
show ddos-protection protocols igmp statistics	<get-ddos-igmp-statistics>	<ddos-protocols-information>
show ddos-protection protocols igmp statistics	<get-ddos-igmp-statistics>	<ddos-protocols-information>
show ddos-protection protocols igmp violations	<get-ddos-igmp-violations>	<ddos-protocols-information>
show ddos-protection protocols igmp violations	<get-ddos-igmp-violations>	<ddos-protocols-information>
show ddos-protection protocols igmp-snoop	<get-ddos-igmp-snoop-information>	<ddos-protocols-information>
show ddos-protection protocols igmp-snoop	<get-ddos-igmp-snoop-information>	<ddos-protocols-information>
show ddos-protection protocols igmp-snoop aggregate	<get-ddos-igmp-snoop-aggregate>	<ddos-protocols-information>
show ddos-protection protocols igmp-snoop aggregate	<get-ddos-igmp-snoop-aggregate>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols igmp-snoop parameters	<get-ddos-igmp-snoop-parameters>	<ddos-protocols-information>
show ddos-protection protocols igmp-snoop parameters	<get-ddos-igmp-snoop-parameters>	<ddos-protocols-information>
show ddos-protection protocols igmp-snoop statistics	<get-ddos-igmp-snoop-statistics>	<ddos-protocols-information>
show ddos-protection protocols igmp-snoop statistics	<get-ddos-igmp-snoop-statistics>	<ddos-protocols-information>
show ddos-protection protocols igmp-snoop violations	<get-ddos-igmp-snoop-violations>	<ddos-protocols-information>
show ddos-protection protocols igmp-snoop violations	<get-ddos-igmp-snoop-violations>	<ddos-protocols-information>
show ddos-protection protocols igmpv4v6	<get-ddos-igmpv4v6-information>	<ddos-protocols-information>
show ddos-protection protocols igmpv4v6	<get-ddos-igmpv4v6-information>	<ddos-protocols-information>
show ddos-protection protocols igmpv4v6 aggregate	<get-ddos-igmpv4v6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols igmpv4v6 aggregate	<get-ddos-igmpv4v6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols igmpv4v6 parameters	<get-ddos-igmpv4v6-parameters>	<ddos-protocols-information>
show ddos-protection protocols igmpv4v6 parameters	<get-ddos-igmpv4v6-parameters>	<ddos-protocols-information>
show ddos-protection protocols igmpv4v6 statistics	<get-ddos-igmpv4v6-statistics>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols igmpv4v6 statistics	<get-ddos-igmpv4v6-statistics>	<ddos-protocols-information>
show ddos-protection protocols igmpv4v6 violations	<get-ddos-igmpv4v6-violations>	<ddos-protocols-information>
show ddos-protection protocols igmpv4v6 violations	<get-ddos-igmpv4v6-violations>	<ddos-protocols-information>
show ddos-protection protocols igmpv6	<get-ddos-igmpv6-information>	<ddos-protocols-information>
show ddos-protection protocols igmpv6	<get-ddos-igmpv6-information>	<ddos-protocols-information>
show ddos-protection protocols igmpv6 aggregate	<get-ddos-igmpv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols igmpv6 aggregate	<get-ddos-igmpv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols igmpv6 parameters	<get-ddos-igmpv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols igmpv6 parameters	<get-ddos-igmpv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols igmpv6 statistics	<get-ddos-igmpv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols igmpv6 statistics	<get-ddos-igmpv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols igmpv6 violations	<get-ddos-igmpv6-violations>	<ddos-protocols-information>
show ddos-protection protocols igmpv6 violations	<get-ddos-igmpv6-violations>	<ddos-protocols-information>
show ddos-protection protocols ip-fragments	<get-ddos-ip-frag-information>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols ip-fragments	<get-ddos-ip-frag-information>	<ddos-protocols-information>
show ddos-protection protocols ip-fragments aggregate	<get-ddos-ip-frag-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ip-fragments aggregate	<get-ddos-ip-frag-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ip-fragments first-fragment	<get-ddos-ip-frag-first-frag>	<ddos-protocols-information>
show ddos-protection protocols ip-fragments first-fragment	<get-ddos-ip-frag-first-frag>	<ddos-protocols-information>
show ddos-protection protocols ip-fragments parameters	<get-ddos-ip-frag-parameters>	<ddos-protocols-information>
show ddos-protection protocols ip-fragments parameters	<get-ddos-ip-frag-parameters>	<ddos-protocols-information>
show ddos-protection protocols ip-fragments statistics	<get-ddos-ip-frag-statistics>	<ddos-protocols-information>
show ddos-protection protocols ip-fragments statistics	<get-ddos-ip-frag-statistics>	<ddos-protocols-information>
show ddos-protection protocols ip-fragments trail-fragment	<get-ddos-ip-frag-trail-frag>	<ddos-protocols-information>
show ddos-protection protocols ip-fragments trail-fragment	<get-ddos-ip-frag-trail-frag>	<ddos-protocols-information>
show ddos-protection protocols ip-fragments violations	<get-ddos-ip-frag-violations>	<ddos-protocols-information>
show ddos-protection protocols ip-fragments violations	<get-ddos-ip-frag-violations>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols ip-options	<get-ddos-ip-opt-information>	<ddos-protocols-information>
show ddos-protection protocols ip-options	<get-ddos-ip-opt-information>	<ddos-protocols-information>
show ddos-protection protocols ip-options aggregate	<get-ddos-ip-opt-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ip-options aggregate	<get-ddos-ip-opt-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ip-options parameters	<get-ddos-ip-opt-parameters>	<ddos-protocols-information>
show ddos-protection protocols ip-options parameters	<get-ddos-ip-opt-parameters>	<ddos-protocols-information>
show ddos-protection protocols ip-options router-alert	<get-ddos-ip-opt-rt-alert>	<ddos-protocols-information>
show ddos-protection protocols ip-options router-alert	<get-ddos-ip-opt-rt-alert>	<ddos-protocols-information>
show ddos-protection protocols ip-options statistics	<get-ddos-ip-opt-statistics>	<ddos-protocols-information>
show ddos-protection protocols ip-options statistics	<get-ddos-ip-opt-statistics>	<ddos-protocols-information>
show ddos-protection protocols ip-options unclassified	<get-ddos-ip-opt-unclass>	<ddos-protocols-information>
show ddos-protection protocols ip-options unclassified	<get-ddos-ip-opt-unclass>	<ddos-protocols-information>
show ddos-protection protocols ip-options violations	<get-ddos-ip-opt-violations>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols ip-options violations	<get-ddos-ip-opt-violations>	<ddos-protocols-information>
show ddos-protection protocols ipv4-unclassified	<get-ddos-ipv4-uncls-information>	<ddos-protocols-information>
show ddos-protection protocols ipv4-unclassified	<get-ddos-ipv4-uncls-information>	<ddos-protocols-information>
show ddos-protection protocols ipv4-unclassified aggregate	<get-ddos-ipv4-uncls-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ipv4-unclassified aggregate	<get-ddos-ipv4-uncls-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ipv4-unclassified parameters	<get-ddos-ipv4-uncls-parameters>	<ddos-protocols-information>
show ddos-protection protocols ipv4-unclassified parameters	<get-ddos-ipv4-uncls-parameters>	<ddos-protocols-information>
show ddos-protection protocols ipv4-unclassified statistics	<get-ddos-ipv4-uncls-statistics>	<ddos-protocols-information>
show ddos-protection protocols ipv4-unclassified statistics	<get-ddos-ipv4-uncls-statistics>	<ddos-protocols-information>
show ddos-protection protocols ipv4-unclassified violations	<get-ddos-ipv4-uncls-violations>	<ddos-protocols-information>
show ddos-protection protocols ipv4-unclassified violations	<get-ddos-ipv4-uncls-violations>	<ddos-protocols-information>
show ddos-protection protocols ipv6-unclassified	<get-ddos-ipv6-uncls-information>	<ddos-protocols-information>
show ddos-protection protocols ipv6-unclassified	<get-ddos-ipv6-uncls-information>	<ddos-protocols-information>



**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols ipv6-unclassified aggregate	<get-ddos-ipv6-uncls-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ipv6-unclassified aggregate	<get-ddos-ipv6-uncls-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ipv6-unclassified parameters	<get-ddos-ipv6-uncls-parameters>	<ddos-protocols-information>
show ddos-protection protocols ipv6-unclassified parameters	<get-ddos-ipv6-uncls-parameters>	<ddos-protocols-information>
show ddos-protection protocols ipv6-unclassified statistics	<get-ddos-ipv6-uncls-statistics>	<ddos-protocols-information>
show ddos-protection protocols ipv6-unclassified statistics	<get-ddos-ipv6-uncls-statistics>	<ddos-protocols-information>
show ddos-protection protocols ipv6-unclassified violations	<get-ddos-ipv6-uncls-violations>	<ddos-protocols-information>
show ddos-protection protocols ipv6-unclassified violations	<get-ddos-ipv6-uncls-violations>	<ddos-protocols-information>
show ddos-protection protocols isis	<get-ddos-isis-information>	<ddos-protocols-information>
show ddos-protection protocols isis	<get-ddos-isis-information>	<ddos-protocols-information>
show ddos-protection protocols isis aggregate	<get-ddos-isis-aggregate>	<ddos-protocols-information>
show ddos-protection protocols isis aggregate	<get-ddos-isis-aggregate>	<ddos-protocols-information>
show ddos-protection protocols isis parameters	<get-ddos-isis-parameters>	<ddos-protocols-information>
show ddos-protection protocols isis parameters	<get-ddos-isis-parameters>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols isis statistics	<get-ddos-isis-statistics>	<ddos-protocols-information>
show ddos-protection protocols isis statistics	<get-ddos-isis-statistics>	<ddos-protocols-information>
show ddos-protection protocols isis violations	<get-ddos-isis-violations>	<ddos-protocols-information>
show ddos-protection protocols isis violations	<get-ddos-isis-violations>	<ddos-protocols-information>
show ddos-protection protocols jfm	<get-ddos-jfm-information>	<ddos-protocols-information>
show ddos-protection protocols jfm	<get-ddos-jfm-information>	<ddos-protocols-information>
show ddos-protection protocols jfm aggregate	<get-ddos-jfm-aggregate>	<ddos-protocols-information>
show ddos-protection protocols jfm aggregate	<get-ddos-jfm-aggregate>	<ddos-protocols-information>
show ddos-protection protocols jfm parameters	<get-ddos-jfm-parameters>	<ddos-protocols-information>
show ddos-protection protocols jfm parameters	<get-ddos-jfm-parameters>	<ddos-protocols-information>
show ddos-protection protocols jfm statistics	<get-ddos-jfm-statistics>	<ddos-protocols-information>
show ddos-protection protocols jfm statistics	<get-ddos-jfm-statistics>	<ddos-protocols-information>
show ddos-protection protocols jfm violations	<get-ddos-jfm-violations>	<ddos-protocols-information>
show ddos-protection protocols jfm violations	<get-ddos-jfm-violations>	<ddos-protocols-information>
show ddos-protection protocols l2tp	<get-ddos-l2tp-information>	<ddos-protocols-information>
show ddos-protection protocols l2tp	<get-ddos-l2tp-information>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols l2tp aggregate	<get-ddos-l2tp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols l2tp aggregate	<get-ddos-l2tp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols l2tp parameters	<get-ddos-l2tp-parameters>	<ddos-protocols-information>
show ddos-protection protocols l2tp parameters	<get-ddos-l2tp-parameters>	<ddos-protocols-information>
show ddos-protection protocols l2tp statistics	<get-ddos-l2tp-statistics>	<ddos-protocols-information>
show ddos-protection protocols l2tp statistics	<get-ddos-l2tp-statistics>	<ddos-protocols-information>
show ddos-protection protocols l2tp violations	<get-ddos-l2tp-violations>	<ddos-protocols-information>
show ddos-protection protocols l2tp violations	<get-ddos-l2tp-violations>	<ddos-protocols-information>
show ddos-protection protocols lacp	<get-ddos-lacp-information>	<ddos-protocols-information>
show ddos-protection protocols lacp	<get-ddos-lacp-information>	<ddos-protocols-information>
show ddos-protection protocols lacp aggregate	<get-ddos-lacp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols lacp aggregate	<get-ddos-lacp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols lacp parameters	<get-ddos-lacp-parameters>	<ddos-protocols-information>
show ddos-protection protocols lacp parameters	<get-ddos-lacp-parameters>	<ddos-protocols-information>
show ddos-protection protocols lacp statistics	<get-ddos-lacp-statistics>	<ddos-protocols-information>
show ddos-protection protocols lacp statistics	<get-ddos-lacp-statistics>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols larp violations	<get-ddos-larp-violations>	<ddos-protocols-information>
show ddos-protection protocols larp violations	<get-ddos-larp-violations>	<ddos-protocols-information>
show ddos-protection protocols ldp	<get-ddos-ldp-information>	<ddos-protocols-information>
show ddos-protection protocols ldp	<get-ddos-ldp-information>	<ddos-protocols-information>
show ddos-protection protocols ldp aggregate	<get-ddos-ldp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ldp aggregate	<get-ddos-ldp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ldp parameters	<get-ddos-ldp-parameters>	<ddos-protocols-information>
show ddos-protection protocols ldp parameters	<get-ddos-ldp-parameters>	<ddos-protocols-information>
show ddos-protection protocols ldp statistics	<get-ddos-ldp-statistics>	<ddos-protocols-information>
show ddos-protection protocols ldp statistics	<get-ddos-ldp-statistics>	<ddos-protocols-information>
show ddos-protection protocols ldp violations	<get-ddos-ldp-violations>	<ddos-protocols-information>
show ddos-protection protocols ldp violations	<get-ddos-ldp-violations>	<ddos-protocols-information>
show ddos-protection protocols ldpv6	<get-ddos-ldpv6-information>	<ddos-protocols-information>
show ddos-protection protocols ldpv6	<get-ddos-ldpv6-information>	<ddos-protocols-information>
show ddos-protection protocols ldpv6 aggregate	<get-ddos-ldpv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ldpv6 aggregate	<get-ddos-ldpv6-aggregate>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols ldpv6 parameters	<get-ddos-ldpv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols ldpv6 parameters	<get-ddos-ldpv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols ldpv6 statistics	<get-ddos-ldpv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols ldpv6 statistics	<get-ddos-ldpv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols ldpv6 violations	<get-ddos-ldpv6-violations>	<ddos-protocols-information>
show ddos-protection protocols ldpv6 violations	<get-ddos-ldpv6-violations>	<ddos-protocols-information>
show ddos-protection protocols lldp	<get-ddos-lldp-information>	<ddos-protocols-information>
show ddos-protection protocols lldp	<get-ddos-lldp-information>	<ddos-protocols-information>
show ddos-protection protocols lldp aggregate	<get-ddos-lldp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols lldp aggregate	<get-ddos-lldp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols lldp parameters	<get-ddos-lldp-parameters>	<ddos-protocols-information>
show ddos-protection protocols lldp parameters	<get-ddos-lldp-parameters>	<ddos-protocols-information>
show ddos-protection protocols lldp statistics	<get-ddos-lldp-statistics>	<ddos-protocols-information>
show ddos-protection protocols lldp statistics	<get-ddos-lldp-statistics>	<ddos-protocols-information>
show ddos-protection protocols lldp violations	<get-ddos-lldp-violations>	<ddos-protocols-information>
show ddos-protection protocols lldp violations	<get-ddos-lldp-violations>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols lmp	<get-ddos-lmp-information>	<ddos-protocols-information>
show ddos-protection protocols lmp	<get-ddos-lmp-information>	<ddos-protocols-information>
show ddos-protection protocols lmp aggregate	<get-ddos-lmp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols lmp aggregate	<get-ddos-lmp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols lmp parameters	<get-ddos-lmp-parameters>	<ddos-protocols-information>
show ddos-protection protocols lmp parameters	<get-ddos-lmp-parameters>	<ddos-protocols-information>
show ddos-protection protocols lmp statistics	<get-ddos-lmp-statistics>	<ddos-protocols-information>
show ddos-protection protocols lmp statistics	<get-ddos-lmp-statistics>	<ddos-protocols-information>
show ddos-protection protocols lmp violations	<get-ddos-lmp-violations>	<ddos-protocols-information>
show ddos-protection protocols lmp violations	<get-ddos-lmp-violations>	<ddos-protocols-information>
show ddos-protection protocols lmpv6	<get-ddos-lmpv6-information>	<ddos-protocols-information>
show ddos-protection protocols lmpv6	<get-ddos-lmpv6-information>	<ddos-protocols-information>
show ddos-protection protocols lmpv6 aggregate	<get-ddos-lmpv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols lmpv6 aggregate	<get-ddos-lmpv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols lmpv6 parameters	<get-ddos-lmpv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols lmpv6 parameters	<get-ddos-lmpv6-parameters>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols Impv6 statistics	<get-ddos-Impv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols Impv6 statistics	<get-ddos-Impv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols Impv6 violations	<get-ddos-Impv6-violations>	<ddos-protocols-information>
show ddos-protection protocols Impv6 violations	<get-ddos-Impv6-violations>	<ddos-protocols-information>
show ddos-protection protocols mac-host	<get-ddos-mac-host-information>	<ddos-protocols-information>
show ddos-protection protocols mac-host	<get-ddos-mac-host-information>	<ddos-protocols-information>
show ddos-protection protocols mac-host aggregate	<get-ddos-mac-host-aggregate>	<ddos-protocols-information>
show ddos-protection protocols mac-host aggregate	<get-ddos-mac-host-aggregate>	<ddos-protocols-information>
show ddos-protection protocols mac-host parameters	<get-ddos-mac-host-parameters>	<ddos-protocols-information>
show ddos-protection protocols mac-host parameters	<get-ddos-mac-host-parameters>	<ddos-protocols-information>
show ddos-protection protocols mac-host statistics	<get-ddos-mac-host-statistics>	<ddos-protocols-information>
show ddos-protection protocols mac-host statistics	<get-ddos-mac-host-statistics>	<ddos-protocols-information>
show ddos-protection protocols mac-host violations	<get-ddos-mac-host-violations>	<ddos-protocols-information>
show ddos-protection protocols mac-host violations	<get-ddos-mac-host-violations>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols mlp	<get-ddos-mlp-information>	<ddos-protocols-information>
show ddos-protection protocols mlp	<get-ddos-mlp-information>	<ddos-protocols-information>
show ddos-protection protocols mlp aggregate	<get-ddos-mlp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols mlp aggregate	<get-ddos-mlp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols mlp aging-exception	<get-ddos-mlp-aging-exc>	<ddos-protocols-information>
show ddos-protection protocols mlp aging-exception	<get-ddos-mlp-aging-exc>	<ddos-protocols-information>
show ddos-protection protocols mlp packets	<get-ddos-mlp-packets>	<ddos-protocols-information>
show ddos-protection protocols mlp packets	<get-ddos-mlp-packets>	<ddos-protocols-information>
show ddos-protection protocols mlp parameters	<get-ddos-mlp-parameters>	<ddos-protocols-information>
show ddos-protection protocols mlp parameters	<get-ddos-mlp-parameters>	<ddos-protocols-information>
show ddos-protection protocols mlp statistics	<get-ddos-mlp-statistics>	<ddos-protocols-information>
show ddos-protection protocols mlp statistics	<get-ddos-mlp-statistics>	<ddos-protocols-information>
show ddos-protection protocols mlp unclassified	<get-ddos-mlp-unclass>	<ddos-protocols-information>
show ddos-protection protocols mlp unclassified	<get-ddos-mlp-unclass>	<ddos-protocols-information>
show ddos-protection protocols mlp violations	<get-ddos-mlp-violations>	<ddos-protocols-information>
show ddos-protection protocols mlp violations	<get-ddos-mlp-violations>	<ddos-protocols-information>



**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols msdp	<get-ddos-msdp-information>	<ddos-protocols-information>
show ddos-protection protocols msdp	<get-ddos-msdp-information>	<ddos-protocols-information>
show ddos-protection protocols msdp aggregate	<get-ddos-msdp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols msdp aggregate	<get-ddos-msdp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols msdp parameters	<get-ddos-msdp-parameters>	<ddos-protocols-information>
show ddos-protection protocols msdp parameters	<get-ddos-msdp-parameters>	<ddos-protocols-information>
show ddos-protection protocols msdp statistics	<get-ddos-msdp-statistics>	<ddos-protocols-information>
show ddos-protection protocols msdp statistics	<get-ddos-msdp-statistics>	<ddos-protocols-information>
show ddos-protection protocols msdp violations	<get-ddos-msdp-violations>	<ddos-protocols-information>
show ddos-protection protocols msdp violations	<get-ddos-msdp-violations>	<ddos-protocols-information>
show ddos-protection protocols msdpv6	<get-ddos-msdpv6-information>	<ddos-protocols-information>
show ddos-protection protocols msdpv6	<get-ddos-msdpv6-information>	<ddos-protocols-information>
show ddos-protection protocols msdpv6 aggregate	<get-ddos-msdpv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols msdpv6 aggregate	<get-ddos-msdpv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols msdpv6 parameters	<get-ddos-msdpv6-parameters>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols msdpv6 parameters	<get-ddos-msdpv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols msdpv6 statistics	<get-ddos-msdpv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols msdpv6 statistics	<get-ddos-msdpv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols msdpv6 violations	<get-ddos-msdpv6-violations>	<ddos-protocols-information>
show ddos-protection protocols msdpv6 violations	<get-ddos-msdpv6-violations>	<ddos-protocols-information>
show ddos-protection protocols multicast-copy	<get-ddos-mcast-copy-information>	<ddos-protocols-information>
show ddos-protection protocols multicast-copy	<get-ddos-mcast-copy-information>	<ddos-protocols-information>
show ddos-protection protocols multicast-copy aggregate	<get-ddos-mcast-copy-aggregate>	<ddos-protocols-information>
show ddos-protection protocols multicast-copy aggregate	<get-ddos-mcast-copy-aggregate>	<ddos-protocols-information>
show ddos-protection protocols multicast-copy parameters	<get-ddos-mcast-copy-parameters>	<ddos-protocols-information>
show ddos-protection protocols multicast-copy parameters	<get-ddos-mcast-copy-parameters>	<ddos-protocols-information>
show ddos-protection protocols multicast-copy statistics	<get-ddos-mcast-copy-statistics>	<ddos-protocols-information>
show ddos-protection protocols multicast-copy statistics	<get-ddos-mcast-copy-statistics>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols multicast-copy violations	<get-ddos-mcast-copy-violations>	<ddos-protocols-information>
show ddos-protection protocols multicast-copy violations	<get-ddos-mcast-copy-violations>	<ddos-protocols-information>
show ddos-protection protocols mvrp	<get-ddos-mvrp-information>	<ddos-protocols-information>
show ddos-protection protocols mvrp	<get-ddos-mvrp-information>	<ddos-protocols-information>
show ddos-protection protocols mvrp aggregate	<get-ddos-mvrp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols mvrp aggregate	<get-ddos-mvrp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols mvrp parameters	<get-ddos-mvrp-parameters>	<ddos-protocols-information>
show ddos-protection protocols mvrp parameters	<get-ddos-mvrp-parameters>	<ddos-protocols-information>
show ddos-protection protocols mvrp statistics	<get-ddos-mvrp-statistics>	<ddos-protocols-information>
show ddos-protection protocols mvrp statistics	<get-ddos-mvrp-statistics>	<ddos-protocols-information>
show ddos-protection protocols mvrp violations	<get-ddos-mvrp-violations>	<ddos-protocols-information>
show ddos-protection protocols mvrp violations	<get-ddos-mvrp-violations>	<ddos-protocols-information>
show ddos-protection protocols ntp	<get-ddos-ntp-information>	<ddos-protocols-information>
show ddos-protection protocols ntp	<get-ddos-ntp-information>	<ddos-protocols-information>
show ddos-protection protocols ntp aggregate	<get-ddos-ntp-aggregate>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols ntp aggregate	<get-ddos-ntp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ntp parameters	<get-ddos-ntp-parameters>	<ddos-protocols-information>
show ddos-protection protocols ntp parameters	<get-ddos-ntp-parameters>	<ddos-protocols-information>
show ddos-protection protocols ntp statistics	<get-ddos-ntp-statistics>	<ddos-protocols-information>
show ddos-protection protocols ntp statistics	<get-ddos-ntp-statistics>	<ddos-protocols-information>
show ddos-protection protocols ntp violations	<get-ddos-ntp-violations>	<ddos-protocols-information>
show ddos-protection protocols ntp violations	<get-ddos-ntp-violations>	<ddos-protocols-information>
show ddos-protection protocols oam-lfm	<get-ddos-oam-lfm-information>	<ddos-protocols-information>
show ddos-protection protocols oam-lfm	<get-ddos-oam-lfm-information>	<ddos-protocols-information>
show ddos-protection protocols oam-lfm aggregate	<get-ddos-oam-lfm-aggregate>	<ddos-protocols-information>
show ddos-protection protocols oam-lfm aggregate	<get-ddos-oam-lfm-aggregate>	<ddos-protocols-information>
show ddos-protection protocols oam-lfm parameters	<get-ddos-oam-lfm-parameters>	<ddos-protocols-information>
show ddos-protection protocols oam-lfm parameters	<get-ddos-oam-lfm-parameters>	<ddos-protocols-information>
show ddos-protection protocols oam-lfm statistics	<get-ddos-oam-lfm-statistics>	<ddos-protocols-information>
show ddos-protection protocols oam-lfm statistics	<get-ddos-oam-lfm-statistics>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols oam-lfm violations	<get-ddos-oam-lfm-violations>	<ddos-protocols-information>
show ddos-protection protocols oam-lfm violations	<get-ddos-oam-lfm-violations>	<ddos-protocols-information>
show ddos-protection protocols ospf	<get-ddos-ospf-information>	<ddos-protocols-information>
show ddos-protection protocols ospf	<get-ddos-ospf-information>	<ddos-protocols-information>
show ddos-protection protocols ospf aggregate	<get-ddos-ospf-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ospf aggregate	<get-ddos-ospf-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ospf parameters	<get-ddos-ospf-parameters>	<ddos-protocols-information>
show ddos-protection protocols ospf parameters	<get-ddos-ospf-parameters>	<ddos-protocols-information>
show ddos-protection protocols ospf statistics	<get-ddos-ospf-statistics>	<ddos-protocols-information>
show ddos-protection protocols ospf statistics	<get-ddos-ospf-statistics>	<ddos-protocols-information>
show ddos-protection protocols ospf violations	<get-ddos-ospf-violations>	<ddos-protocols-information>
show ddos-protection protocols ospf violations	<get-ddos-ospf-violations>	<ddos-protocols-information>
show ddos-protection protocols ospfv3v6	<get-ddos-ospfv3v6-information>	<ddos-protocols-information>
show ddos-protection protocols ospfv3v6	<get-ddos-ospfv3v6-information>	<ddos-protocols-information>
show ddos-protection protocols ospfv3v6 aggregate	<get-ddos-ospfv3v6-aggregate>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols ospfv3v6 aggregate	<get-ddos-ospfv3v6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ospfv3v6 parameters	<get-ddos-ospfv3v6-parameters>	<ddos-protocols-information>
show ddos-protection protocols ospfv3v6 parameters	<get-ddos-ospfv3v6-parameters>	<ddos-protocols-information>
show ddos-protection protocols ospfv3v6 statistics	<get-ddos-ospfv3v6-statistics>	<ddos-protocols-information>
show ddos-protection protocols ospfv3v6 statistics	<get-ddos-ospfv3v6-statistics>	<ddos-protocols-information>
show ddos-protection protocols ospfv3v6 violations	<get-ddos-ospfv3v6-violations>	<ddos-protocols-information>
show ddos-protection protocols ospfv3v6 violations	<get-ddos-ospfv3v6-violations>	<ddos-protocols-information>
show ddos-protection protocols parameters	<get-ddos-protocols-parameters>	<ddos-protocols-information>
show ddos-protection protocols parameters	<get-ddos-protocols-parameters>	<ddos-protocols-information>
show ddos-protection protocols pfe-alive	<get-ddos-pfe-alive-information>	<ddos-protocols-information>
show ddos-protection protocols pfe-alive	<get-ddos-pfe-alive-information>	<ddos-protocols-information>
show ddos-protection protocols pfe-alive aggregate	<get-ddos-pfe-alive-aggregate>	<ddos-protocols-information>
show ddos-protection protocols pfe-alive aggregate	<get-ddos-pfe-alive-aggregate>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols pfe-alive parameters	<get-ddos-pfe-alive-parameters>	<ddos-protocols-information>
show ddos-protection protocols pfe-alive parameters	<get-ddos-pfe-alive-parameters>	<ddos-protocols-information>
show ddos-protection protocols pfe-alive statistics	<get-ddos-pfe-alive-statistics>	<ddos-protocols-information>
show ddos-protection protocols pfe-alive statistics	<get-ddos-pfe-alive-statistics>	<ddos-protocols-information>
show ddos-protection protocols pfe-alive violations	<get-ddos-pfe-alive-violations>	<ddos-protocols-information>
show ddos-protection protocols pfe-alive violations	<get-ddos-pfe-alive-violations>	<ddos-protocols-information>
show ddos-protection protocols pim	<get-ddos-pim-information>	<ddos-protocols-information>
show ddos-protection protocols pim	<get-ddos-pim-information>	<ddos-protocols-information>
show ddos-protection protocols pim aggregate	<get-ddos-pim-aggregate>	<ddos-protocols-information>
show ddos-protection protocols pim aggregate	<get-ddos-pim-aggregate>	<ddos-protocols-information>
show ddos-protection protocols pim parameters	<get-ddos-pim-parameters>	<ddos-protocols-information>
show ddos-protection protocols pim parameters	<get-ddos-pim-parameters>	<ddos-protocols-information>
show ddos-protection protocols pim statistics	<get-ddos-pim-statistics>	<ddos-protocols-information>
show ddos-protection protocols pim statistics	<get-ddos-pim-statistics>	<ddos-protocols-information>
show ddos-protection protocols pim violations	<get-ddos-pim-violations>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols pim violations	<get-ddos-pim-violations>	<ddos-protocols-information>
show ddos-protection protocols pmvrp	<get-ddos-pmvrp-information>	<ddos-protocols-information>
show ddos-protection protocols pmvrp	<get-ddos-pmvrp-information>	<ddos-protocols-information>
show ddos-protection protocols pmvrp aggregate	<get-ddos-pmvrp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols pmvrp aggregate	<get-ddos-pmvrp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols pmvrp parameters	<get-ddos-pmvrp-parameters>	<ddos-protocols-information>
show ddos-protection protocols pmvrp parameters	<get-ddos-pmvrp-parameters>	<ddos-protocols-information>
show ddos-protection protocols pmvrp statistics	<get-ddos-pmvrp-statistics>	<ddos-protocols-information>
show ddos-protection protocols pmvrp statistics	<get-ddos-pmvrp-statistics>	<ddos-protocols-information>
show ddos-protection protocols pmvrp violations	<get-ddos-pmvrp-violations>	<ddos-protocols-information>
show ddos-protection protocols pmvrp violations	<get-ddos-pmvrp-violations>	<ddos-protocols-information>
show ddos-protection protocols pos	<get-ddos-pos-information>	<ddos-protocols-information>
show ddos-protection protocols pos	<get-ddos-pos-information>	<ddos-protocols-information>
show ddos-protection protocols pos aggregate	<get-ddos-pos-aggregate>	<ddos-protocols-information>
show ddos-protection protocols pos aggregate	<get-ddos-pos-aggregate>	<ddos-protocols-information>
show ddos-protection protocols pos parameters	<get-ddos-pos-parameters>	<ddos-protocols-information>



**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols pos parameters	<get-ddos-pos-parameters>	<ddos-protocols-information>
show ddos-protection protocols pos statistics	<get-ddos-pos-statistics>	<ddos-protocols-information>
show ddos-protection protocols pos statistics	<get-ddos-pos-statistics>	<ddos-protocols-information>
show ddos-protection protocols pos violations	<get-ddos-pos-violations>	<ddos-protocols-information>
show ddos-protection protocols pos violations	<get-ddos-pos-violations>	<ddos-protocols-information>
show ddos-protection protocols ppp	<get-ddos-ppp-information>	<ddos-protocols-information>
show ddos-protection protocols ppp	<get-ddos-ppp-information>	<ddos-protocols-information>
show ddos-protection protocols ppp aggregate	<get-ddos-ppp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ppp aggregate	<get-ddos-ppp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ppp authentication	<get-ddos-ppp-auth>	<ddos-protocols-information>
show ddos-protection protocols ppp authentication	<get-ddos-ppp-auth>	<ddos-protocols-information>
show ddos-protection protocols ppp ipcp	<get-ddos-ppp-ipcp>	<ddos-protocols-information>
show ddos-protection protocols ppp ipcp	<get-ddos-ppp-ipcp>	<ddos-protocols-information>
show ddos-protection protocols ppp ipv6cp	<get-ddos-ppp-ipv6cp>	<ddos-protocols-information>
show ddos-protection protocols ppp ipv6cp	<get-ddos-ppp-ipv6cp>	<ddos-protocols-information>
show ddos-protection protocols ppp isis	<get-ddos-ppp-isis>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols ppp isis	<get-ddos-ppp-isis>	<ddos-protocols-information>
show ddos-protection protocols ppp lcp	<get-ddos-ppp-lcp>	<ddos-protocols-information>
show ddos-protection protocols ppp lcp	<get-ddos-ppp-lcp>	<ddos-protocols-information>
show ddos-protection protocols ppp mplscp	<get-ddos-ppp-mplscp>	<ddos-protocols-information>
show ddos-protection protocols ppp mplscp	<get-ddos-ppp-mplscp>	<ddos-protocols-information>
show ddos-protection protocols ppp parameters	<get-ddos-ppp-parameters>	<ddos-protocols-information>
show ddos-protection protocols ppp parameters	<get-ddos-ppp-parameters>	<ddos-protocols-information>
show ddos-protection protocols ppp statistics	<get-ddos-ppp-statistics>	<ddos-protocols-information>
show ddos-protection protocols ppp statistics	<get-ddos-ppp-statistics>	<ddos-protocols-information>
show ddos-protection protocols ppp violations	<get-ddos-ppp-violations>	<ddos-protocols-information>
show ddos-protection protocols ppp violations	<get-ddos-ppp-violations>	<ddos-protocols-information>
show ddos-protection protocols pppoe	<get-ddos-pppoe-information>	<ddos-protocols-information>
show ddos-protection protocols pppoe	<get-ddos-pppoe-information>	<ddos-protocols-information>
show ddos-protection protocols pppoe aggregate	<get-ddos-pppoe-aggregate>	<ddos-protocols-information>
show ddos-protection protocols pppoe aggregate	<get-ddos-pppoe-aggregate>	<ddos-protocols-information>
show ddos-protection protocols pppoe padi	<get-ddos-pppoe-padi>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols pppoe padi	<get-ddos-pppoe-padi>	<ddos-protocols-information>
show ddos-protection protocols pppoe padm	<get-ddos-pppoe-padm>	<ddos-protocols-information>
show ddos-protection protocols pppoe padm	<get-ddos-pppoe-padm>	<ddos-protocols-information>
show ddos-protection protocols pppoe padn	<get-ddos-pppoe-padn>	<ddos-protocols-information>
show ddos-protection protocols pppoe padn	<get-ddos-pppoe-padn>	<ddos-protocols-information>
show ddos-protection protocols pppoe pado	<get-ddos-pppoe-pado>	<ddos-protocols-information>
show ddos-protection protocols pppoe pado	<get-ddos-pppoe-pado>	<ddos-protocols-information>
show ddos-protection protocols pppoe padr	<get-ddos-pppoe-padr>	<ddos-protocols-information>
show ddos-protection protocols pppoe padr	<get-ddos-pppoe-padr>	<ddos-protocols-information>
show ddos-protection protocols pppoe pads	<get-ddos-pppoe-pads>	<ddos-protocols-information>
show ddos-protection protocols pppoe pads	<get-ddos-pppoe-pads>	<ddos-protocols-information>
show ddos-protection protocols pppoe padt	<get-ddos-pppoe-padt>	<ddos-protocols-information>
show ddos-protection protocols pppoe padt	<get-ddos-pppoe-padt>	<ddos-protocols-information>
show ddos-protection protocols pppoe parameters	<get-ddos-pppoe-parameters>	<ddos-protocols-information>
show ddos-protection protocols pppoe parameters	<get-ddos-pppoe-parameters>	<ddos-protocols-information>
show ddos-protection protocols pppoe statistics	<get-ddos-pppoe-statistics>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols pppoe statistics	<get-ddos-pppoe-statistics>	<ddos-protocols-information>
show ddos-protection protocols pppoe violations	<get-ddos-pppoe-violations>	<ddos-protocols-information>
show ddos-protection protocols pppoe violations	<get-ddos-pppoe-violations>	<ddos-protocols-information>
show ddos-protection protocols ptp	<get-ddos-ntp-information>	<ddos-protocols-information>
show ddos-protection protocols ptp	<get-ddos-ntp-information>	<ddos-protocols-information>
show ddos-protection protocols ptp aggregate	<get-ddos-ntp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ptp aggregate	<get-ddos-ntp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ptp parameters	<get-ddos-ntp-parameters>	<ddos-protocols-information>
show ddos-protection protocols ptp parameters	<get-ddos-ntp-parameters>	<ddos-protocols-information>
show ddos-protection protocols ptp statistics	<get-ddos-ntp-statistics>	<ddos-protocols-information>
show ddos-protection protocols ptp statistics	<get-ddos-ntp-statistics>	<ddos-protocols-information>
show ddos-protection protocols ptp violations	<get-ddos-ntp-violations>	<ddos-protocols-information>
show ddos-protection protocols ptp violations	<get-ddos-ntp-violations>	<ddos-protocols-information>
show ddos-protection protocols pvstp	<get-ddos-pvstp-information>	<ddos-protocols-information>
show ddos-protection protocols pvstp	<get-ddos-pvstp-information>	<ddos-protocols-information>
show ddos-protection protocols pvstp aggregate	<get-ddos-pvstp-aggregate>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols pvstp aggregate	<get-ddos-pvstp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols pvstp parameters	<get-ddos-pvstp-parameters>	<ddos-protocols-information>
show ddos-protection protocols pvstp parameters	<get-ddos-pvstp-parameters>	<ddos-protocols-information>
show ddos-protection protocols pvstp statistics	<get-ddos-pvstp-statistics>	<ddos-protocols-information>
show ddos-protection protocols pvstp statistics	<get-ddos-pvstp-statistics>	<ddos-protocols-information>
show ddos-protection protocols pvstp violations	<get-ddos-pvstp-violations>	<ddos-protocols-information>
show ddos-protection protocols pvstp violations	<get-ddos-pvstp-violations>	<ddos-protocols-information>
show ddos-protection protocols radius	<get-ddos-radius-information>	<ddos-protocols-information>
show ddos-protection protocols radius	<get-ddos-radius-information>	<ddos-protocols-information>
show ddos-protection protocols radius accounting	<get-ddos-radius-account>	<ddos-protocols-information>
show ddos-protection protocols radius accounting	<get-ddos-radius-account>	<ddos-protocols-information>
show ddos-protection protocols radius aggregate	<get-ddos-radius-aggregate>	<ddos-protocols-information>
show ddos-protection protocols radius aggregate	<get-ddos-radius-aggregate>	<ddos-protocols-information>
show ddos-protection protocols radius authorization	<get-ddos-radius-auth>	<ddos-protocols-information>
show ddos-protection protocols radius authorization	<get-ddos-radius-auth>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols radius parameters	<get-ddos-radius-parameters>	<ddos-protocols-information>
show ddos-protection protocols radius parameters	<get-ddos-radius-parameters>	<ddos-protocols-information>
show ddos-protection protocols radius server	<get-ddos-radius-server>	<ddos-protocols-information>
show ddos-protection protocols radius server	<get-ddos-radius-server>	<ddos-protocols-information>
show ddos-protection protocols radius statistics	<get-ddos-radius-statistics>	<ddos-protocols-information>
show ddos-protection protocols radius statistics	<get-ddos-radius-statistics>	<ddos-protocols-information>
show ddos-protection protocols radius violations	<get-ddos-radius-violations>	<ddos-protocols-information>
show ddos-protection protocols radius violations	<get-ddos-radius-violations>	<ddos-protocols-information>
show ddos-protection protocols redirect	<get-ddos-redirect-information>	<ddos-protocols-information>
show ddos-protection protocols redirect	<get-ddos-redirect-information>	<ddos-protocols-information>
show ddos-protection protocols redirect aggregate	<get-ddos-redirect-aggregate>	<ddos-protocols-information>
show ddos-protection protocols redirect aggregate	<get-ddos-redirect-aggregate>	<ddos-protocols-information>
show ddos-protection protocols redirect parameters	<get-ddos-redirect-parameters>	<ddos-protocols-information>
show ddos-protection protocols redirect parameters	<get-ddos-redirect-parameters>	<ddos-protocols-information>
show ddos-protection protocols redirect statistics	<get-ddos-redirect-statistics>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols redirect statistics	<get-ddos-redirect-statistics>	<ddos-protocols-information>
show ddos-protection protocols redirect violations	<get-ddos-redirect-violations>	<ddos-protocols-information>
show ddos-protection protocols redirect violations	<get-ddos-redirect-violations>	<ddos-protocols-information>
show ddos-protection protocols rip	<get-ddos-rip-information>	<ddos-protocols-information>
show ddos-protection protocols rip	<get-ddos-rip-information>	<ddos-protocols-information>
show ddos-protection protocols rip aggregate	<get-ddos-rip-aggregate>	<ddos-protocols-information>
show ddos-protection protocols rip aggregate	<get-ddos-rip-aggregate>	<ddos-protocols-information>
show ddos-protection protocols rip parameters	<get-ddos-rip-parameters>	<ddos-protocols-information>
show ddos-protection protocols rip parameters	<get-ddos-rip-parameters>	<ddos-protocols-information>
show ddos-protection protocols rip statistics	<get-ddos-rip-statistics>	<ddos-protocols-information>
show ddos-protection protocols rip statistics	<get-ddos-rip-statistics>	<ddos-protocols-information>
show ddos-protection protocols rip violations	<get-ddos-rip-violations>	<ddos-protocols-information>
show ddos-protection protocols rip violations	<get-ddos-rip-violations>	<ddos-protocols-information>
show ddos-protection protocols ripv6	<get-ddos-ripv6-information>	<ddos-protocols-information>
show ddos-protection protocols ripv6	<get-ddos-ripv6-information>	<ddos-protocols-information>
show ddos-protection protocols ripv6 aggregate	<get-ddos-ripv6-aggregate>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols ripv6 aggregate	<get-ddos-ripv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ripv6 parameters	<get-ddos-ripv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols ripv6 parameters	<get-ddos-ripv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols ripv6 statistics	<get-ddos-ripv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols ripv6 statistics	<get-ddos-ripv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols ripv6 violations	<get-ddos-ripv6-violations>	<ddos-protocols-information>
show ddos-protection protocols ripv6 violations	<get-ddos-ripv6-violations>	<ddos-protocols-information>
show ddos-protection protocols rsvp	<get-ddos-rsvp-information>	<ddos-protocols-information>
show ddos-protection protocols rsvp	<get-ddos-rsvp-information>	<ddos-protocols-information>
show ddos-protection protocols rsvp aggregate	<get-ddos-rsvp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols rsvp aggregate	<get-ddos-rsvp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols rsvp parameters	<get-ddos-rsvp-parameters>	<ddos-protocols-information>
show ddos-protection protocols rsvp parameters	<get-ddos-rsvp-parameters>	<ddos-protocols-information>
show ddos-protection protocols rsvp statistics	<get-ddos-rsvp-statistics>	<ddos-protocols-information>
show ddos-protection protocols rsvp statistics	<get-ddos-rsvp-statistics>	<ddos-protocols-information>
show ddos-protection protocols rsvp violations	<get-ddos-rsvp-violations>	<ddos-protocols-information>



**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols rsvp violations	<get-ddos-rsvp-violations>	<ddos-protocols-information>
show ddos-protection protocols rsvpv6	<get-ddos-rsvpv6-information>	<ddos-protocols-information>
show ddos-protection protocols rsvpv6	<get-ddos-rsvpv6-information>	<ddos-protocols-information>
show ddos-protection protocols rsvpv6 aggregate	<get-ddos-rsvpv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols rsvpv6 aggregate	<get-ddos-rsvpv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols rsvpv6 parameters	<get-ddos-rsvpv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols rsvpv6 parameters	<get-ddos-rsvpv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols rsvpv6 statistics	<get-ddos-rsvpv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols rsvpv6 statistics	<get-ddos-rsvpv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols rsvpv6 violations	<get-ddos-rsvpv6-violations>	<ddos-protocols-information>
show ddos-protection protocols rsvpv6 violations	<get-ddos-rsvpv6-violations>	<ddos-protocols-information>
show ddos-protection protocols services	<get-ddos-services-information>	<ddos-protocols-information>
show ddos-protection protocols services	<get-ddos-services-information>	<ddos-protocols-information>
show ddos-protection protocols services aggregate	<get-ddos-services-aggregate>	<ddos-protocols-information>
show ddos-protection protocols services aggregate	<get-ddos-services-aggregate>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols services parameters	<get-ddos-services-parameters>	<ddos-protocols-information>
show ddos-protection protocols services parameters	<get-ddos-services-parameters>	<ddos-protocols-information>
show ddos-protection protocols services statistics	<get-ddos-services-statistics>	<ddos-protocols-information>
show ddos-protection protocols services statistics	<get-ddos-services-statistics>	<ddos-protocols-information>
show ddos-protection protocols services violations	<get-ddos-services-violations>	<ddos-protocols-information>
show ddos-protection protocols services violations	<get-ddos-services-violations>	<ddos-protocols-information>
show ddos-protection protocols snmp	<get-ddos-snmp-information>	<ddos-protocols-information>
show ddos-protection protocols snmp	<get-ddos-snmp-information>	<ddos-protocols-information>
show ddos-protection protocols snmp aggregate	<get-ddos-snmp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols snmp aggregate	<get-ddos-snmp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols snmp parameters	<get-ddos-snmp-parameters>	<ddos-protocols-information>
show ddos-protection protocols snmp parameters	<get-ddos-snmp-parameters>	<ddos-protocols-information>
show ddos-protection protocols snmp statistics	<get-ddos-snmp-statistics>	<ddos-protocols-information>
show ddos-protection protocols snmp statistics	<get-ddos-snmp-statistics>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols snmp violations	<get-ddos-snmp-violations>	<ddos-protocols-information>
show ddos-protection protocols snmp violations	<get-ddos-snmp-violations>	<ddos-protocols-information>
show ddos-protection protocols snmpv6	<get-ddos-snmpv6-information>	<ddos-protocols-information>
show ddos-protection protocols snmpv6	<get-ddos-snmpv6-information>	<ddos-protocols-information>
show ddos-protection protocols snmpv6 aggregate	<get-ddos-snmpv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols snmpv6 aggregate	<get-ddos-snmpv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols snmpv6 parameters	<get-ddos-snmpv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols snmpv6 parameters	<get-ddos-snmpv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols snmpv6 statistics	<get-ddos-snmpv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols snmpv6 statistics	<get-ddos-snmpv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols snmpv6 violations	<get-ddos-snmpv6-violations>	<ddos-protocols-information>
show ddos-protection protocols snmpv6 violations	<get-ddos-snmpv6-violations>	<ddos-protocols-information>
show ddos-protection protocols ssh	<get-ddos-ssh-information>	<ddos-protocols-information>
show ddos-protection protocols ssh	<get-ddos-ssh-information>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols ssh aggregate	<get-ddos-ssh-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ssh aggregate	<get-ddos-ssh-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ssh parameters	<get-ddos-ssh-parameters>	<ddos-protocols-information>
show ddos-protection protocols ssh parameters	<get-ddos-ssh-parameters>	<ddos-protocols-information>
show ddos-protection protocols ssh statistics	<get-ddos-ssh-statistics>	<ddos-protocols-information>
show ddos-protection protocols ssh statistics	<get-ddos-ssh-statistics>	<ddos-protocols-information>
show ddos-protection protocols ssh violations	<get-ddos-ssh-violations>	<ddos-protocols-information>
show ddos-protection protocols ssh violations	<get-ddos-ssh-violations>	<ddos-protocols-information>
show ddos-protection protocols sshv6	<get-ddos-sshv6-information>	<ddos-protocols-information>
show ddos-protection protocols sshv6	<get-ddos-sshv6-information>	<ddos-protocols-information>
show ddos-protection protocols sshv6 aggregate	<get-ddos-sshv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols sshv6 aggregate	<get-ddos-sshv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols sshv6 parameters	<get-ddos-sshv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols sshv6 parameters	<get-ddos-sshv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols sshv6 statistics	<get-ddos-sshv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols sshv6 statistics	<get-ddos-sshv6-statistics>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols sshv6 violations	<get-ddos-sshv6-violations>	<ddos-protocols-information>
show ddos-protection protocols sshv6 violations	<get-ddos-sshv6-violations>	<ddos-protocols-information>
show ddos-protection protocols statistics	<get-ddos-protocols-statistics>	<ddos-protocols-information>
show ddos-protection protocols statistics	<get-ddos-protocols-statistics>	<ddos-protocols-information>
show ddos-protection protocols stp	<get-ddos-stp-information>	<ddos-protocols-information>
show ddos-protection protocols stp	<get-ddos-stp-information>	<ddos-protocols-information>
show ddos-protection protocols stp aggregate	<get-ddos-stp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols stp aggregate	<get-ddos-stp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols stp parameters	<get-ddos-stp-parameters>	<ddos-protocols-information>
show ddos-protection protocols stp parameters	<get-ddos-stp-parameters>	<ddos-protocols-information>
show ddos-protection protocols stp statistics	<get-ddos-stp-statistics>	<ddos-protocols-information>
show ddos-protection protocols stp statistics	<get-ddos-stp-statistics>	<ddos-protocols-information>
show ddos-protection protocols stp violations	<get-ddos-stp-violations>	<ddos-protocols-information>
show ddos-protection protocols stp violations	<get-ddos-stp-violations>	<ddos-protocols-information>
show ddos-protection protocols tacacs	<get-ddos-tacacs-information>	<ddos-protocols-information>
show ddos-protection protocols tacacs	<get-ddos-tacacs-information>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols tacacs aggregate	<get-ddos-tacacs-aggregate>	<ddos-protocols-information>
show ddos-protection protocols tacacs aggregate	<get-ddos-tacacs-aggregate>	<ddos-protocols-information>
show ddos-protection protocols tacacs parameters	<get-ddos-tacacs-parameters>	<ddos-protocols-information>
show ddos-protection protocols tacacs parameters	<get-ddos-tacacs-parameters>	<ddos-protocols-information>
show ddos-protection protocols tacacs statistics	<get-ddos-tacacs-statistics>	<ddos-protocols-information>
show ddos-protection protocols tacacs statistics	<get-ddos-tacacs-statistics>	<ddos-protocols-information>
show ddos-protection protocols tacacs violations	<get-ddos-tacacs-violations>	<ddos-protocols-information>
show ddos-protection protocols tacacs violations	<get-ddos-tacacs-violations>	<ddos-protocols-information>
show ddos-protection protocols tcp-flags	<get-ddos-tcp-flags-information>	<ddos-protocols-information>
show ddos-protection protocols tcp-flags	<get-ddos-tcp-flags-information>	<ddos-protocols-information>
show ddos-protection protocols tcp-flags aggregate	<get-ddos-tcp-flags-aggregate>	<ddos-protocols-information>
show ddos-protection protocols tcp-flags aggregate	<get-ddos-tcp-flags-aggregate>	<ddos-protocols-information>
show ddos-protection protocols tcp-flags established	<get-ddos-tcp-flags-establish>	<ddos-protocols-information>
show ddos-protection protocols tcp-flags established	<get-ddos-tcp-flags-establish>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols tcp-flags initial	<get-ddos-tcp-flags-initial>	<ddos-protocols-information>
show ddos-protection protocols tcp-flags initial	<get-ddos-tcp-flags-initial>	<ddos-protocols-information>
show ddos-protection protocols tcp-flags parameters	<get-ddos-tcp-flags-parameters>	<ddos-protocols-information>
show ddos-protection protocols tcp-flags parameters	<get-ddos-tcp-flags-parameters>	<ddos-protocols-information>
show ddos-protection protocols tcp-flags statistics	<get-ddos-tcp-flags-statistics>	<ddos-protocols-information>
show ddos-protection protocols tcp-flags statistics	<get-ddos-tcp-flags-statistics>	<ddos-protocols-information>
show ddos-protection protocols tcp-flags unclassified	<get-ddos-tcp-flags-unclass>	<ddos-protocols-information>
show ddos-protection protocols tcp-flags unclassified	<get-ddos-tcp-flags-unclass>	<ddos-protocols-information>
show ddos-protection protocols tcp-flags violations	<get-ddos-tcp-flags-violations>	<ddos-protocols-information>
show ddos-protection protocols tcp-flags violations	<get-ddos-tcp-flags-violations>	<ddos-protocols-information>
show ddos-protection protocols telnet	<get-ddos-telnet-information>	<ddos-protocols-information>
show ddos-protection protocols telnet	<get-ddos-telnet-information>	<ddos-protocols-information>
show ddos-protection protocols telnet aggregate	<get-ddos-telnet-aggregate>	<ddos-protocols-information>
show ddos-protection protocols telnet aggregate	<get-ddos-telnet-aggregate>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols telnet parameters	<get-ddos-telnet-parameters>	<ddos-protocols-information>
show ddos-protection protocols telnet parameters	<get-ddos-telnet-parameters>	<ddos-protocols-information>
show ddos-protection protocols telnet statistics	<get-ddos-telnet-statistics>	<ddos-protocols-information>
show ddos-protection protocols telnet statistics	<get-ddos-telnet-statistics>	<ddos-protocols-information>
show ddos-protection protocols telnet violations	<get-ddos-telnet-violations>	<ddos-protocols-information>
show ddos-protection protocols telnet violations	<get-ddos-telnet-violations>	<ddos-protocols-information>
show ddos-protection protocols telnetv6	<get-ddos-telnetv6-information>	<ddos-protocols-information>
show ddos-protection protocols telnetv6	<get-ddos-telnetv6-information>	<ddos-protocols-information>
show ddos-protection protocols telnetv6 aggregate	<get-ddos-telnetv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols telnetv6 aggregate	<get-ddos-telnetv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols telnetv6 parameters	<get-ddos-telnetv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols telnetv6 parameters	<get-ddos-telnetv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols telnetv6 statistics	<get-ddos-telnetv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols telnetv6 statistics	<get-ddos-telnetv6-statistics>	<ddos-protocols-information>



**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols telnetv6 violations	<get-ddos-telnetv6-violations>	<ddos-protocols-information>
show ddos-protection protocols telnetv6 violations	<get-ddos-telnetv6-violations>	<ddos-protocols-information>
show ddos-protection protocols ttl	<get-ddos-ttl-information>	<ddos-protocols-information>
show ddos-protection protocols ttl	<get-ddos-ttl-information>	<ddos-protocols-information>
show ddos-protection protocols ttl aggregate	<get-ddos-ttl-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ttl aggregate	<get-ddos-ttl-aggregate>	<ddos-protocols-information>
show ddos-protection protocols ttl parameters	<get-ddos-ttl-parameters>	<ddos-protocols-information>
show ddos-protection protocols ttl parameters	<get-ddos-ttl-parameters>	<ddos-protocols-information>
show ddos-protection protocols ttl statistics	<get-ddos-ttl-statistics>	<ddos-protocols-information>
show ddos-protection protocols ttl statistics	<get-ddos-ttl-statistics>	<ddos-protocols-information>
show ddos-protection protocols ttl violations	<get-ddos-ttl-violations>	<ddos-protocols-information>
show ddos-protection protocols ttl violations	<get-ddos-ttl-violations>	<ddos-protocols-information>
show ddos-protection protocols tunnel-fragment	<get-ddos-tun-frag-information>	<ddos-protocols-information>
show ddos-protection protocols tunnel-fragment	<get-ddos-tun-frag-information>	<ddos-protocols-information>
show ddos-protection protocols tunnel-fragment aggregate	<get-ddos-tun-frag-aggregate>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols tunnel-fragment aggregate	<get-ddos-tun-frag-aggregate>	<ddos-protocols-information>
show ddos-protection protocols tunnel-fragment parameters	<get-ddos-tun-frag-parameters>	<ddos-protocols-information>
show ddos-protection protocols tunnel-fragment parameters	<get-ddos-tun-frag-parameters>	<ddos-protocols-information>
show ddos-protection protocols tunnel-fragment statistics	<get-ddos-tun-frag-statistics>	<ddos-protocols-information>
show ddos-protection protocols tunnel-fragment statistics	<get-ddos-tun-frag-statistics>	<ddos-protocols-information>
show ddos-protection protocols tunnel-fragment violations	<get-ddos-tun-frag-violations>	<ddos-protocols-information>
show ddos-protection protocols tunnel-fragment violations	<get-ddos-tun-frag-violations>	<ddos-protocols-information>
show ddos-protection protocols violations	<get-ddos-protocols-violations>	<ddos-protocols-information>
show ddos-protection protocols violations	<get-ddos-protocols-violations>	<ddos-protocols-information>
show ddos-protection protocols virtual-chassis	<get-ddos-vchassis-information>	<ddos-protocols-information>
show ddos-protection protocols virtual-chassis	<get-ddos-vchassis-information>	<ddos-protocols-information>
show ddos-protection protocols virtual-chassis aggregate	<get-ddos-vchassis-aggregate>	<ddos-protocols-information>
show ddos-protection protocols virtual-chassis aggregate	<get-ddos-vchassis-aggregate>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols virtual-chassis control-high	<get-ddos-vchassis-control-hi>	<ddos-protocols-information>
show ddos-protection protocols virtual-chassis control-high	<get-ddos-vchassis-control-hi>	<ddos-protocols-information>
show ddos-protection protocols virtual-chassis control-low	<get-ddos-vchassis-control-lo>	<ddos-protocols-information>
show ddos-protection protocols virtual-chassis control-low	<get-ddos-vchassis-control-lo>	<ddos-protocols-information>
show ddos-protection protocols virtual-chassis parameters	<get-ddos-vchassis-parameters>	<ddos-protocols-information>
show ddos-protection protocols virtual-chassis parameters	<get-ddos-vchassis-parameters>	<ddos-protocols-information>
show ddos-protection protocols virtual-chassis statistics	<get-ddos-vchassis-statistics>	<ddos-protocols-information>
show ddos-protection protocols virtual-chassis statistics	<get-ddos-vchassis-statistics>	<ddos-protocols-information>
show ddos-protection protocols virtual-chassis unclassified	<get-ddos-vchassis-unclass>	<ddos-protocols-information>
show ddos-protection protocols virtual-chassis unclassified	<get-ddos-vchassis-unclass>	<ddos-protocols-information>
show ddos-protection protocols virtual-chassis vc-packets	<get-ddos-vchassis-vc-packets>	<ddos-protocols-information>
show ddos-protection protocols virtual-chassis vc-packets	<get-ddos-vchassis-vc-packets>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols virtual-chassis vc-ttl-errors	<get-ddos-vchassis-vc-ttl-err>	<ddos-protocols-information>
show ddos-protection protocols virtual-chassis vc-ttl-errors	<get-ddos-vchassis-vc-ttl-err>	<ddos-protocols-information>
show ddos-protection protocols virtual-chassis violations	<get-ddos-vchassis-violations>	<ddos-protocols-information>
show ddos-protection protocols virtual-chassis violations	<get-ddos-vchassis-violations>	<ddos-protocols-information>
show ddos-protection protocols vrrp	<get-ddos-vrrp-information>	<ddos-protocols-information>
show ddos-protection protocols vrrp	<get-ddos-vrrp-information>	<ddos-protocols-information>
show ddos-protection protocols vrrp aggregate	<get-ddos-vrrp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols vrrp aggregate	<get-ddos-vrrp-aggregate>	<ddos-protocols-information>
show ddos-protection protocols vrrp parameters	<get-ddos-vrrp-parameters>	<ddos-protocols-information>
show ddos-protection protocols vrrp parameters	<get-ddos-vrrp-parameters>	<ddos-protocols-information>
show ddos-protection protocols vrrp statistics	<get-ddos-vrrp-statistics>	<ddos-protocols-information>
show ddos-protection protocols vrrp statistics	<get-ddos-vrrp-statistics>	<ddos-protocols-information>
show ddos-protection protocols vrrp violations	<get-ddos-vrrp-violations>	<ddos-protocols-information>
show ddos-protection protocols vrrp violations	<get-ddos-vrrp-violations>	<ddos-protocols-information>
show ddos-protection protocols vrrpv6	<get-ddos-vrrpv6-information>	<ddos-protocols-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ddos-protection protocols vrrpv6	<get-ddos-vrrpv6-information>	<ddos-protocols-information>
show ddos-protection protocols vrrpv6 aggregate	<get-ddos-vrrpv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols vrrpv6 aggregate	<get-ddos-vrrpv6-aggregate>	<ddos-protocols-information>
show ddos-protection protocols vrrpv6 parameters	<get-ddos-vrrpv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols vrrpv6 parameters	<get-ddos-vrrpv6-parameters>	<ddos-protocols-information>
show ddos-protection protocols vrrpv6 statistics	<get-ddos-vrrpv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols vrrpv6 statistics	<get-ddos-vrrpv6-statistics>	<ddos-protocols-information>
show ddos-protection protocols vrrpv6 violations	<get-ddos-vrrpv6-violations>	<ddos-protocols-information>
show ddos-protection protocols vrrpv6 violations	<get-ddos-vrrpv6-violations>	<ddos-protocols-information>
show ddos-protection statistics	<get-ddos-statistics-information>	<ddos-statistics-information>
show ddos-protection statistics	<get-ddos-statistics-information>	<ddos-statistics-information>
show ddos-protection version	<get-ddos-version>	<ddos-version>
show ddos-protection version	<get-ddos-version>	<ddos-version>
show dhcp relay binding	<get-dhcp-relay-binding-information>	<dhcp-relay-binding-information>
show dhcp relay statistics	<get-dhcp-relay-statistics-information>	<dhcp-relay-statistics-information>
show dhcp server binding	<get-dhcp-server-binding-information>	<dhcp-server-binding-information>
show dhcp server statistics	<get-dhcp-server-statistics-information>	<dhcp-server-statistics-information>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show dhcp statistics	<get-dhcp-service-statistics-information>	<dhcp-service-statistics-information>
show dhcpv6 relay binding	<get-dhcpv6-relay-binding-information>	<dhcpv6-relay-binding-information>
show dhcpv6 relay statistics	<get-dhcpv6-relay-statistics-information>	<dhcpv6-relay-statistics-information>
show dhcpv6 server binding	<get-dhcpv6-server-binding-information>	<dhcpv6-server-binding-information>
show dhcpv6 server statistics	<get-dhcpv6-server-statistics-information>	<dhcpv6-server-statistics-information>
show dhcpv6 statistics	<get-dhcpv6-service-statistics-information>	<dhcpv6-service-statistics-information>
show diameter	<get-diameter-information>	<diameter-information>
show diameter function	<get-diameter-function-information>	<diameter-function-information>
show diameter function statistics	<get-diameter-function-statistics>	<diameter-function-statistics>
show diameter instance	<get-diameter-instance-information>	<diameter-instance-information>
show diameter network-element	<get-diameter-network-element-information>	<diameter-network-element-information>
show diameter network-element map	<get-diameter-network-element-map-information>	<diameter-network-element-map-information>
show diameter peer	<get-diameter-peer-information>	<diameter-peer-information>
show diameter peer map	<get-diameter-peer-map-information>	<diameter-peer-map-information>
show diameter peer statistics	<get-diameter-peer-statistics>	<diameter-peer-statistics>
show diameter route	<get-diameter-route-information>	<diameter-route-information>
show dot1x authentication-failed-users	<get-dot1x-authentication-failed-users>	<dot1x-authentication-failed-users>
show dot1x interface	<get-dot1x-interface-information>	<dot1x-interface-information>
show dot1x static-mac-address	<get-dot1x-static-mac-addresses>	<dot1x-static-mac-addresses>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show dot1x static-mac-address interface	<get-dot1x-interface-mac-addresses>	<dot1x-interface-mac-addresses>
show dvmp interfaces	<get-dvmp-interfaces-information>	<dvmp-interfaces-information>
show dvmp neighbors	<get-dvmp-neighbors-information>	<dvmp-neighbors-information>
show dvmp prefix	<get-dvmp-prefix-information>	<dvmp-prefix-information>
show dvmp prunes	<get-dvmp-prunes-information>	<dvmp-prunes-information>
show esis adjacency	<get-esis-adjacency-information>	<esis-adjacency-information>
show esis interface	<get-esis-interface-information>	<esis-interface-information>
show esis statistics	<get-esis-statistics-information>	<esis-statistics-information>
show event-options event-scripts policies	<get-event-scripts-policies>	<none>
show extension-provider system connections	<get-mspinfo-connections>	<mspinfo-raw-output>
show extension-provider system packages	<get-mspinfo-packages>	<mspinfo-raw-output>
show extension-provider system processes	<get-mspinfo-processes>	<mspinfo-raw-output>
show extension-provider system processes brief	<get-mspinfo-processes-brief>	<mspinfo-raw-output>
show extension-provider system processes extensive	<get-mspinfo-processes-extensive>	<mspinfo-raw-output>
show extension-provider system uptime	<get-mspinfo-uptime>	<mspinfo-raw-output>
show extension-provider system virtual-memory	<get-mspinfo-virtual-memory>	<mspinfo-raw-output>
show fabric mac-ip-binding	<get-mac-ip-binding-information>	<mac-ip-binding-information>
show fabric multicast ccpc src-mod-filters	<get-mc-ccpc-src-mod-filters>	<mc-ccpc-src-mod-filters>

**Table 4: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 2) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show fabric multicast edge core-key-list	<get-core-key-list>	<mc-core-key-list>
show fabric multicast edge core-key-to-map	<get-mc-edge-map-to-key-binding>	<mc-key-to-map-binding>
show fabric multicast edge key-vlan-group	<get-key-vg-binding>	<mc-key-vg-binding>
show fabric multicast edge map-to-core-key	<get-mc-edge-key-to-map-binding>	<mc-map-to-key-binding>
show fabric multicast edge vlan-group-port-map	<get-mc-edge-vg-portmap>	<mc-edge-vg-portmap>
show fabric multicast nsf	<get-mc-nsf>	<mc-nsf>
show fabric multicast root core-key-to-map	<get-mc-root-map-to-key-binding>	<mc-key-to-map-binding>
show fabric multicast root map-to-core-key	<get-mc-root-key-to-map-binding>	<mc-map-to-key-binding>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show fabric multicast root vlan-group-pfe-map	<get-mc-root-vg-pfemap>	<mc-root-vg-pfemap>
show fabric multicast vccpdf-adjacency	<get-mc-vccpdf-adjacency-database>	<mc-vccpdf-adjacency-database>
show fabric statistics	<get-fabric-statistics>	<fabric-statistics>
show fabric summary	<get-fabric-summary-information>	<fabric-summary-information>
show fabric vlan-domain-map	<get-vlan-domain-map-information>	<vlan-domain-map-information>
show firewall	<get-firewall-information>	<firewall-information>
show firewall counter	<get-firewall-counter-information>	<firewall-counter-information>
show firewall filter	<get-firewall-filter-information>	<firewall-filter-information>
show firewall filter version	<get-filter-version>	<firewall-information>



**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show firewall log	<get-firewall-log-information>	<firewall-log-information>
show firewall prefix-action-stats	<get-firewall-prefix-action-information>	<firewall-prefix-action-information>
show helper statistics	<get-helper-statistics-information>	<helper-statistics-information>
show iccp	<get-inter-chassis-control-protocol-information>	<inter-chassis-control-protocol-information>
show igmp group	<get-igmp-group-information>	<igmp-group-information>
show igmp interface	<get-igmp-interface-information>	<igmp-interface-information>
show igmp output-group	<get-igmp-output-group-information>	<igmp-output-group-information>
show igmp snooping interface	<get-igmp-snooping-interface-information>	<igmp-interface-information>
show igmp snooping membership	<get-igmp-snooping-membership-information>	<igmp-snooping-membership-information>
show igmp snooping statistics	<get-igmp-snooping-statistics-information>	<igmp-statistics-information>
show igmp statistics	<get-igmp-statistics-information>	<igmp-statistics-information>
show ike security-associations	<get-ike-security-associations-information>	<ike-security-associations-information>
show ingress-replication	<get-ingress-replication-information>	<ingress-replication-information>
show interfaces	<get-interface-information>	<interface-information>
show interfaces destination-class	<get-destination-class-statistics>	<destination-class-statistics>
show interfaces diagnostics optics	<get-interface-optics-diagnostics-information>	<interface-optics-diagnostics-information>
show interfaces far-end-interval	<show-interfaces-far-end-interval>	<interfaces-far-end-interval>
show interfaces filters	<get-interface-filter-information>	<interface-filter-information>
show interfaces interface-set queue	<get-interface-set-queue-information>	<interface-set-queue-information>
show interfaces interval	<show-interfaces-interval>	<interfaces-interval>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show interfaces mac-database	<get-mac-database>	<mac-database>
show interfaces mc-ae	<get-mc-ae-interface-information>	<mc-ae-status>
show interfaces policers	<get-interface-policer-information>	<interface-policer-information>
show interfaces queue	<get-interface-queue-information>	<interface-information>
show interfaces redundancy	<get-redundancy-status>	<interface-redundancy-information>
show interfaces redundancy detail	<get-redundancy-status-details>	<interface-redundancy-detail-information>
show interfaces source-class	<get-source-class-statistics>	<source-class-statistics>
show interfaces targeting	<get-targeting-information>	<targeting-information>
show ipsec certificates	<get-certificates-information>	<certificates-information>
show ipsec certificates crt	<get-crt-information>	<crt-information>
show ipsec redundancy interface	<get-ipsec-pic-redundancy-information>	<ipsec-pic-redundancy-information>
show ipsec redundancy security-associations	<get-ipsec-tunnel-redundancy-information>	<ipsec-tunnel-redundancy-information>
show ipsec security-associations	<get-security-associations-information>	<security-associations-information>
show ipv6 neighbors	<get-ipv6-nd-information>	<ipv6-nd-information>
show ipv6 router-advertisement	<get-ipv6-ra-information>	<ipv6-ra-information>
show isis adjacency	<get-isis-adjacency-information>	<isis-adjacency-information>
show isis authentication	<get-isis-authentication-information>	<isis-authentication-information>
show isis backup coverage	<get-isis-backup-coverage-information>	<isis-backup-coverage-information>
show isis backup label-switched-path	<get-isis-backup-lsp-information>	<isis-backup-lsp-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show isis backup spf results	<get-isis-backup-spf-results-information>	<isis-backup-spf-results-information>
show isis context-identifier	<get-isis-context-identifier-information>	<isis-context-identifier-information>
show isis context-identifier identifier	<get-isis-context-identifier-origin-information>	<isis-context-identifier-origin-information>
show isis database	<get-isis-database-information>	<isis-database-information>
show isis hostname	<get-isis-hostname-information>	<isis-hostname-information>
show isis interface	<get-isis-interface-information>	<isis-interface-information>
show isis overview	<get-isis-overview-information>	<isis-overview-information>
show isis route	<get-isis-route-information>	<isis-route-information>
show isis spf brief	<get-isis-spf-results-brief-information>	<isis-spf-results-brief-information>
show isis spf log	<get-isis-spf-log-information>	<isis-spf-log-information>
show isis spf results	<get-isis-spf-results-information>	<isis-spf-results-information>
show isis statistics	<get-isis-statistics-information>	<isis-statistics-information>
show l2circuit connections	<get-l2ckt-connection-information>	<l2ckt-connection-information>
show l2cpd task io	<get-l2cpd-tasks-io-statistics>	<l2cpd-tasks-io-statistics>
show l2cpd task memory	<get-l2cpd-task-memory>	<l2cpd-task-memory>
show l2cpd task replication	<get-l2cpd-replication-information>	<l2cpd-replication-information>
show l2vpn connections	<get-l2vpn-connection-information>	<l2vpn-connection-information>
show lacp interfaces	<get-lacp-interface-information>	<lacp-interface-information>
show lacp statistics interfaces	<get-lacp-interface-statistics>	<lacp-interface-statistics>
show ldp database	<get-ldp-database-information>	<ldp-database-information>
show ldp fec-filters	<get-ldp-fec-filters-information>	<ldp-fec-filters-information>
show ldp interface	<get-ldp-interface-information>	<ldp-interface-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ldp neighbor	<get-ldp-neighbor-information>	<ldp-neighbor-information>
show ldp overview	<get-ldp-overview-information>	<ldp-overview-information>
show ldp path	<get-ldp-path-information>	<ldp-path-information>
show ldp route	<get-ldp-route-information>	<ldp-route-information>
show ldp session	<get-ldp-session-information>	<ldp-session-information>
show ldp statistics	<get-ldp-statistics-information>	<ldp-statistics-information>
show ldp traffic-statistics	<get-ldp-traffic-statistics-information>	<ldp-traffic-statistics-information>
show link-management	<get-lm-information>	<lm-information>
show link-management peer	<get-lm-peer-information>	<lm-peer-information>
show link-management routing	<get-lm-routing-information>	<lm-information>
show link-management routing peer	<get-lm-routing-peer-information>	<lm-peer-information>
show link-management routing resource	<get-lm-routing-resource-information>	<lm-resource>
show link-management routing te-link	<get-lm-routing-te-link-information>	<lm-te-link-information>
show link-management statistics	<get-lm-statistics-information>	<lm-statistics-information>
show link-management statistics peer	<get-lm-peer-statistics>	<lm-peer-statistics>
show link-management te-link	<get-lm-te-link-information>	<lm-te-link-information>
show lldp	<get-lldp-information>	<lldp-information>
show lldp detail	<get-lldp-information-detail>	<lldp-information-detail>
show lldp local-information	<get-lldp-local-info>	<lldp-local-info>
show lldp neighbors	<get-lldp-neighbors-information>	<lldp-neighbors-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show lldp remote-global-statistics	<get-lldp-remote-global-statistics>	<lldp-remote-global-statistics>
show lldp statistics	<get-lldp-statistics-information>	<lldp-statistics-information>
show mac-rewrite interface	<get-mac-rewrite-interface-information>	<mac-rewrite-interface-information>
show mld group	<get-mld-group-information>	<mld-group-information>
show mld interface	<get-mld-interface-information>	<mld-interface-information>
show mld output-group	<get-mld-output-group-information>	<mld-output-group-information>
show mld statistics	<get-mld-statistics-information>	<mld-statistics-information>
show mobile-ip home-agent binding	<get-mip-binding-information>	<mip-binding-information>
show mobile-ip home-agent binding ip-address	<get-ip-mip-binding-information>	<mip-binding-information>
show mobile-ip home-agent binding nai	<get-nai-mip-binding-information>	<mip-binding-information>
show mobile-ip home-agent binding summary	<get-summary-mip-binding-information>	<mip-binding-information>
show mobile-ip home-agent interface	<get-mip-ha-interface-information>	<mip-ha-interface-information>
show mobile-ip home-agent overview	<get-mip-ha-overview-information>	<mip-ha-overview-information>
show mobile-ip home-agent traffic	<get-mip-ha-traffic-information>	<mip-home-agent-traffic-information>
show mobile-ip home-agent virtual-network	<get-mip-ha-virtual-network-information>	<mip-ha-virtual-network-information>
show mobile-ip wimax release	<get-mip-wimax-release-information>	<mip-wimax-release-information>
show mpls admin-groups	<get-mpls-admin-group-information>	<mpls-admin-group-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show mpls admin-groups-extended	<get-mpls-admin-group-extended-information>	<mpls-admin-group-extended-information>
show mpls call-admission-control	<get-mpls-call-admission-control-information>	<mpls-call-admission-control-information>
show mpls context-identifier	<get-mpls-context-identifier-information>	<mpls-context-identifier-information>
show mpls cspf	<get-mpls-cspf-information>	<mpls-cspf-information>
show mpls diffserv-te	<get-mpls-diffserv-te-information>	<mpls-diffserv-te-information>
show mpls interface	<get-mpls-interface-information>	<mpls-interface-information>
show mpls lsp	<get-mpls-lsp-information>	<mpls-lsp-information>
show mpls lsp defaults	<get-mpls-lsp-defaults-information>	<mpls-lsp-defaults-information>
show mpls path	<get-mpls-path-information>	<mpls-path-information>
show mpls static-lsp	<get-mpls-static-lsp-information>	<mpls-static-lsp-information>
show msdp source	<get-msdp-source-information>	<pim-msdp-source-information>
show msdp source-active	<get-msdp-source-active-information>	<pim-msdp-source-active-information>
show msdp statistics	<get-msdp-statistics-information>	<pim-msdp-statistics-information>
show multicast backup-pe-groups	<get-multicast-backup- pe-groups-information>	<multicast-backup-pe-groups-information>
show multicast backup-pe-groups address	<get-multicast-backup- pe-address-information>	<multicast-backup-pe-address-information>
show multicast flow-map	<get-multicast-flow-maps-information>	<multicast-flow-maps-information>
show multicast interface	<get-multicast-interface-information>	<multicast-interface-information>
show multicast next-hops	<get-multicast-next-hops-information>	<multicast-next-hops-information>
show multicast pim-to-igmp-proxy	<get-multicast-pim-to-igmp-proxy-information>	<multicast-pim-to-igmp-proxy-information>
show multicast pim-to-mld-proxy	<get-multicast-pim-to-mld-proxy-information>	<multicast-pim-to-mld-proxy-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show multicast route	<get-multicast-route-information>	<multicast-route-information>
show multicast rpf	<get-multicast-rpf-information>	<multicast-rpf-information>
show multicast scope	<get-multicast-scope-information>	<multicast-scope-information>
show multicast sessions	<get-multicast-sessions-information>	<multicast-sessions-information>
show multicast snooping next-hops	<get-multicast-snooping-next-hops-information>	<multicast-next-hops-information>
show multicast snooping route	<get-multicast-snooping-route-information>	<multicast-route-information>
show multicast statistics	<get-multicast-statistics-information>	<multicast-statistics-information>
show multicast usage	<get-multicast-usage-information>	<multicast-usage-information>
show mvpn instance	<get-mvpn-instance-information>	<mvpn-instance-information>
show mvrp	<get-mvrp-information>	<mvrp-information>
show mvrp applicant-state	<get-mvrp-applicant-information>	<mvrp-applicant-state>
show mvrp dynamic-vlan-memberships	<get-mvrp-dynamic-vlan-memberships>	<mvrp-vlan-information>
show mvrp interface	<get-mvrp-interface-information>	<mvrp-interface-information>
show mvrp registration-state	<get-mvrp-registration-state>	<mvrp-registration-information>
show mvrp statistics	<get-mvrp-interface-statistics>	<mvrp-interface-statistics>
show network-access aaa statistics	<get-aaa-module-statistics>	<aaa-module-statistics>
show network-access aaa subscribers	<get-aaa-subscriber-table>	<aaa-subscriber-table>
show network-access aaa subscribers statistics	<get-aaa-subscriber-statistics>	<aaa-subscriber-statistics>
show network-access aaa terminate-code	<get-aaa-terminate-code>	<aaa-terminate-code>
show network-access aaa terminate-code aaa	<get-aaa-terminate-code-aaa>	<aaa-terminate-code-aaa>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show network-access aaa terminate-code dhcp	<get-aaa-terminate-code-dhcp>	<aaa-terminate-code-dhcp>
show network-access aaa terminate-code l2tp	<get-aaa-terminate-code-l2tp>	<aaa-terminate-code-l2tp>
show network-access aaa terminate-code ppp	<get-aaa-terminate-code-ppp>	<aaa-terminate-code-ppp>
show network-access aaa terminate-code reverse	<get-aaa-terminate-code-reverse>	<aaa-terminate-code-reverss>
show network-access aaa terminate-code reverse aaa	<get-aaa-terminate-code-reverse-aaa>	<aaa-terminate-code-reverse-aaa>
show network-access aaa terminate-code reverse dhcp	<get-aaa-terminate-code-reverse-dhcp>	<aaa-terminate-code-reverse-dhcp>
show network-access aaa terminate-code reverse l2tp	<get-aaa-terminate-code-reverse-l2tp>	<aaa-terminate-code-reverse-l2tp>
show network-access aaa terminate-code reverse ppp	<get-aaa-terminate-code-reverse-ppp>	<aaa-terminate-code-reverse-ppp>
show network-access address-assignment pool	<get-address-assignment-pool-table>	<address-assignment-pool-table>
show network-access domain-map statistics	<get-domain-map-statistics>	<domain-map-statistics>
show network-access gx-plus state	<get-gx-plus-state-information>	<gx-plus-state-information>
show network-access gx-plus statistics	<get-gx-plus-statistics-information>	<gx-plus-statistics-information>
show network-access gx-plus sync-state	<get-gx-plus-sync-state-information>	<gx-plus-sync-state-information>
show network-access requests pending	<get-authentication-pending-table>	<auth-pending-table>
show network-access requests statistics	<get-authentication-statistics>	<auth-statistics>



**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show network-access securid-node-secret-file	<node-secret-file-table>	<node-secret-file-table>
show oam ethernet connectivity-fault-management delay-statistics	<get-cfm-delay-statistics>	<cfm-delay-statistics>
show oam ethernet connectivity-fault-management forwarding-state instance	<get-cfm-forwarding- state-instance-information>	<cfm-flood-instance-information>
show oam ethernet connectivity-fault-management forwarding-state interface	<get-cfm-forwarding- state-interface-information>	<cfm-flood-interface-information>
show oam ethernet connectivity-fault-management interfaces	<get-cfm-interfaces- information>	<cfm-interface>
show oam ethernet connectivity-fault-management loss-statistics	<get-cfm-loss-statistics>	<cfm-loss-statistics>
show oam ethernet connectivity-fault-management mep-database	<get-cfm-mep-database>	<cfm-mep-database>
show oam ethernet connectivity-fault-management mep-statistics	<get-cfm-mep-statistics>	<cfm-mep-statistics>
show oam ethernet connectivity-fault-management mip	<get-cfm-mip-information>	<cfm-mip-information>
show oam ethernet connectivity-fault-management path-database	<get-cfm-linktrace-path-database>	<cfm-linktrace-path-database>
show oam ethernet connectivity-fault-management sla-iterator-statistics	<get-cfm-iterator-statistics>	<cfm-iterator-statistics>
show oam ethernet evc	<get-evc-information>	<elmi-evc-information>
show oam ethernet link-fault-management	<get-lfmd-information>	<lfmd-information>
show oam ethernet lmi	<get-elmi-information>	<elmi-interface-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show oam ethernet lmi statistics	<get-elmi-statistics>	<elmi-interface-statistics>
show oam gre-keepalive	<get-gre-ka-information>	<oamd-information>
show ospf backup coverage	<get-ospf-backup-coverage-information>	<ospf-backup-coverage-information>
show ospf backup lsp	<get-ospf-backup-lsp-information>	<ospf-backup-lsp-information>
show ospf backup neighbor	<get-ospf-backup-neighbor-information>	<ospf-backup-neighbor-information>
show ospf backup spf	<get-ospf-backup-spf-information>	<ospf-backup-spf-information>
show ospf context-identifier	<get-ospf-context-id-information>	<ospf-context-id-information>
show ospf database	<get-ospf-database-information>	<ospf-database-information>
show ospf interface	<get-ospf-interface-information>	<ospf-interface-information>
show ospf io-statistics	<get-ospf-io-statistics-information>	<ospf-io-statistics-information>
show ospf log	<get-ospf-log-information>	<ospf-log-information>
show ospf neighbor	<get-ospf-neighbor-information>	<ospf-neighbor-information>
show ospf overview	<get-ospf-overview-information>	<ospf-overview-information>
show ospf route	<get-ospf-route-information>	<ospf-route-information>
show ospf statistics	<get-ospf-statistics-information>	<ospf-statistics-information>
show ospf3 backup coverage	<get-ospf3-backup-coverage-information>	<ospf3-backup-coverage-information>
show ospf3 backup lsp	<get-ospf3-backup-lsp-information>	<ospf3-backup-lsp-information>
show ospf3 backup neighbor	<get-ospf3-backup-neighbor-information>	<ospf3-backup-neighbor-information>
show ospf3 backup spf	<get-ospf3-backup-spf-information>	<ospf3-backup-spf-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ospf3 database	<get-ospf3-database-information>	<ospf3-database-information>
show ospf3 interface	<get-ospf3-interface-information>	<ospf3-interface-information>
show ospf3 io-statistics	<get-ospf3-io-statistics-information>	<ospf3-io-statistics-information>
show ospf3 log	<get-ospf3-log-information>	<ospf3-log-information>
show ospf3 neighbor	<get-ospf3-neighbor-information>	<ospf3-neighbor-information>
show ospf3 overview	<get-ospf3-overview-information>	<ospf3-overview-information>
show ospf3 route	<get-ospf3-route-information>	<ospf3-route-information>
show ospf3 statistics	<get-ospf3-statistics-information>	<ospf3-statistics-information>
show passive-monitoring	<get-passive-monitoring-information>	<passive-monitoring-information>
show passive-monitoring error	<get-passive-monitoring-error-information>	<passive-monitoring-error-information>
show passive-monitoring flow	<get-passive-monitoring-flow-information>	<passive-monitoring-flow-information>
show passive-monitoring memory	<get-passive-monitoring-memory-information>	<passive-monitoring-memory-information>
show passive-monitoring status	<get-passive-monitoring-status-information>	<passive-monitoring-status-information>
show passive-monitoring usage	<get-passive-monitoring-usage-information>	<passive-monitoring-usage-information>
show pfe statistics traffic	<get-pfe-statistics>	<pfe-statistics>
show pfe terse	<get-pfe-information>	<pfe-information>
show pgm negative-acknowledgments	<get-pgm-nak>	<pgm-nak>
show pgm source-path-messages	<get-pgm-source-path-messages>	<pgm-source-path-messages>
show pgm statistics	<get-pgm-statistics>	<pgm-statistics-information>
show pim bootstrap	<get-pim-bootstrap-information>	<pim-bootstrap-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show pim interfaces	<get-pim-interfaces-information>	<pim-interfaces-information>
show pim join	<get-pim-join-information>	<pim-join-information>
show pim mdt	<get-pim-mdt-information>	<pim-mdt-information>
show pim mdt data-mdt-joins	<get-pim-data-mdt-join-information>	<pim-data-mdt-join-information>
show pim mvpn	<get-pim-mvpn-information>	<pim-mvpn-information>
show pim neighbors	<get-pim-neighbors-information>	<pim-neighbors-information>
show pim rps	<get-pim-rps-information>	<pim-rps-information>
show pim source	<get-pim-source-information>	<pim-source-information>
show pim statistics	<get-pim-statistics-information>	<pim-statistics-information>
show ppp address-pool	<get-ppp-address-pool-information>	<ppp-address-pool-information>
show ppp interface	<get-ppp-interface-information>	<ppp-interface-information>
show ppp statistics	<get-ppp-statistics-information>	<ppp-statistics-information>
show ppp summary	<get-ppp-summary-information>	<ppp-summary-information>
show pppoe interfaces	<get-pppoe-interface-information>	<pppoe-interface-information>
show pppoe service-name-tables	<get-pppoe-service-name-table-information>	<pppoe-service-name-table-information>
show pppoe sessions	<get-pppoe-session-information>	<pppoe-session-information>
show pppoe statistics	<get-pppoe-statistics-information>	<pppoe-statistics-information>
show pppoe underlying-interfaces	<get-pppoe-underlying-interface-information>	<pppoe-underlying-interface-information>
show pppoe version	<get-pppoe-version>	<pppoe-version>
show protection-group ethernet-aps	<show-protection-group-ethernet-aps>	<eaps-profile-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show protection-group ethernet-ring aps	<get-raps-pdu-information>	<erp-rpdu-information>
show protection-group ethernet-ring data-channel	<get-ring-data-channel-information>	<erp-data-channel-information>
show protection-group ethernet-ring interface	<get-ring-interface-information>	<erp-interface-information>
show protection-group ethernet-ring node-state	<get-raps-state-machine-information>	<erp-raps-information>
show protection-group ethernet-ring statistics	<get-ring-tatistics>	<ethernet-ring-statistics>
show protection-group ethernet-ring vlan	<get-ring-vlan-information>	<erp-ifbd-information>
show ptp clock	<get-ntp-clock>	<NONE>
show ptp global-information	<get-ntp-global-information>	<NONE>
show ptp lock-status	<get-ntp-lock-status>	<NONE>
show ptp master	<get-ntp-master>	<NONE>
show ptp port	<get-ntp-port>	<NONE>
show ptp slave	<get-ntp-slave>	<NONE>
show ptp statistics	<get-ntp-statistics>	<NONE>
show r2cp interfaces	<get-r2cp-interface-information>	<r2cp-interface-information>
show r2cp radio	<get-r2cp-radio-information>	<r2cp-radio-information>
show r2cp sessions	<get-r2cp-session-information>	<r2cp-session-information>
show r2cp statistics	<get-r2cp-statistics>	<r2cp-statistics>
show redundant-power-system led	<get-rps-led-information>	<rps-led-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show redundant-power-system power-supply	<get-rps-power-supply-information>	<rps-power-supply-information>
show redundant-power-system status	<get-rps-status-information>	<rps-status-information>
show redundant-power-system version	<get-rps-version-information>	<rps-version-information>
show rip general-statistics	<get-rip-general-statistics-information>	<rip-general-statistics-information>
show rip neighbor	<get-rip-neighbor-information>	<rip-neighbor-information>
show rip statistics	<get-rip-statistics-information>	<rip-statistics-information>
show route	<get-route-information>	<route-information>
show route export	<get-rtexport-table-information>	<rtexport-table-information>
show route export instance	<get-rtexport-instance-information>	<rtexport-instance-information>
show route export vrf-target	<get-rtexport-target-information>	<rtexport-target-information>
show route flow validation	<get-rtflow-dep-information>	<rtflow-dep-information>
show route forwarding-table	<get-forwarding-table-information>	<forwarding-table-information>
show route instance	<get-instance-information>	<instance-information>
show route instance operational	<get-operational-routing-instance-information>	<operational-routing-instance-information>
show route summary	<get-route-summary-information>	<route-summary-information>
show rsvp interface	<get-rsvp-interface-information>	<rsvp-interface-information>
show rsvp neighbor	<get-rsvp-neighbor-information>	<rsvp-neighbor-information>
show rsvp session	<get-rsvp-session-information>	<rsvp-session-information>
show rsvp statistics	<get-rsvp-statistics-information>	<rsvp-statistics-information>
show rsvp version	<get-rsvp-version-information>	<rsvp-version-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show sap listen	<get-sap-listen-information>	<sap-listen-information>
show security alarms	<get-security-alarm-information>	<security-alarm-information>
show security idp application-ddos application	<get-idp-addos-application-information>	<get-idp-addos-application-information>
show security idp application-identification application-system-cache	<get-idp-application-system-cache>	<idp-application-system-cache-information>
show security idp application-statistics	<get-idp-applications-information>	<idp-applications-information>
show security idp attack description	<get-idp-attack-description-information>	<idp-attack-description-information>
show security idp attack detail	<get-idp-attack-detail-information>	<idp-attack-detail-information>
show security idp attack table	<get-idp-attack-table-information>	<idp-attack-table-information>
show security idp counters	<get-idp-counter-information>	<idp-counter-information>
show security idp logical-system policy-association	<get-idp-lsys-policy-association>	<idp-lsys-policy-association>
show security idp memory	<get-idp-memory-information>	<idp-memory-information>
show security idp policies	<get-idp-subscriber-policy-list>	<idp-subscriber-policy-list>
show security idp policy-commit-status	<get-idp-policy-commit-status>	<idp-policy-commit-status>
show security idp policy-templates-list	<get-idp-policy-template-information>	<idp-policy-template-information>
show security idp security-package-version	<get-idp-security-package-information>	<idp-security-package-information>
show security idp ssl-inspection key	<get-idp-ssl-key-information>	<idp-ssl-key-information>
show security idp ssl-inspection session-id-cache	<get-idp-ssl-session-cache-information>	<get-idp-ssl-session-cache-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show security idp status	<get-idp-status-information>	<idp-status-information>
show security idp status detail	<get-idp-detail-status-information>	<idp-detail-status-information>
show security keychain	<get-hakr-keychain-information>	<hakr-keychain-information>
show security log	<get-security-log-information>	<security-log-information>
show security pki ca-certificate	<get-pki-ca-certificate>	<NONE>
show security pki certificate-request	<get-pki-certificate-request>	<NONE>
show security pki crt	<get-pki-crl>	<NONE>
show security pki local-certificate	<get-pki-local-certificate>	<NONE>
show services accounting	<get-service-accounting-information>	<service-accounting-information>
show services accounting aggregation	<get-service-accounting-aggregation-information>	<service-accounting-aggregation-information>
show services accounting aggregation as	<get-service-accounting-aggregation-as-information>	<service-accounting-aggregation-as-information>
show services accounting aggregation destination-prefix	<get-service-accounting-aggregation-destination-prefix-information>	<service-accounting-aggregation-destination-prefix-information>
show services accounting aggregation protocol-port	<get-service-accounting-aggregation-protocol-port-information>	<service-accounting-aggregation-protocol-port-information>
show services accounting aggregation source-destination-prefix	<get-service-accounting-aggregation-source-destination-prefix-information>	<service-accounting-aggregation-source-destination-prefix-information>
show services accounting aggregation source-prefix	<get-service-accounting-aggregation-source-prefix-information>	<service-accounting-aggregation-source-prefix-information>
show services accounting aggregation template	<get-service-accounting-aggregation-template-information>	<service-accounting-aggregation-template-information>



**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show services accounting errors	<get-service-accounting-errors-information>	<service-accounting-errors-information>
show services accounting errors inline-jflow	<get-service-accounting-error-inline-jflow-information>	<service-accounting-inline-jflow-error-information>
show services accounting flow	<get-service-accounting-flow-information>	<service-accounting-flow-information>
show services accounting flow inline-jflow	<get-service-accounting-status-inline-jflow-flow-information>	<service-accounting-inline-jflow-flow-information>
show services accounting flow-detail	<get-service-accounting-flow-detail>	<service-accounting-flow-detail>
show services accounting memory	<get-service-accounting-memory-information>	<service-accounting-memory-information>
show services accounting packet-size-distribution	<get-packet-distribution-information>	<packet-distribution-information>
show services accounting status	<get-service-accounting-status-information>	<service-accounting-status-information>
show services accounting status inline-jflow	<get-service-accounting-status-inline-jflow-information>	<service-accounting-inline-jflow-information>
show services accounting usage	<get-service-accounting-usage-information>	<service-accounting-usage-information>
show services alg conversations	<get-service-msp-alg-conversation-information>	<service-msp-alg-conversation-information>
show services alg statistics	<get-service-msp-alg-stats-information>	<service-msp-alg-stats-information>
show services application-aware-access-list flows interface	<get-application-aware-access-list-flows-interface>	<lpdf-flows>
show services application-aware-access-list flows subscriber	<get-application-aware-access-list-flows-subscriber>	<lpdf-flows>
show services application-aware-access-list statistics interface	<get-application-aware-access-list-statistics-interface>	<lpdf-statistics>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show services application-aware-access-list statistics subscriber	<get-application-aware- access-list-statistics-subscriber>	<lpdf-statistics>
show services application-identification application-system-cache	<get-appid-application- system-cache>	<appid-application- system-cache-information>
show services application-identification counter	<get-appid-counter>	<appid-counter>
show services application-identification signature	<get-appid-application- signature>	<appid-application- signature>
show services application-identification signature summary	<get-appid-application- signature-summary>	<appid-application- signature-summary>
show services application-identification statistics application-groups	<get-appid-application- group-statistics>	<appid-application-group- statistics-information>
show services application-identification statistics applications	<get-appid-application-statistics>	<appid-application-statistics-information>
show services application-identification version	<get-appid-package-version>	<appid-package-version>
show services border- signaling-gateway accounting statistics	<get-service-border- signaling-gateway-charging- statistics>	<bsg-charging-statistics>
show services border- signaling-gateway accounting status	<get-service-border- signaling-gateway-charging-status>	<bsg-charging-status>
show services border- signaling-gateway address-of-record	<get-service-border- signaling-gateway-address-of-record>	<bsg-address-of-records>
show services border- signaling-gateway address-of-record bindings	<get-service-border- signaling-gateway-address-of-record-bindings>	<bsg-address-of-record-bindings>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show services border-signaling-gateway admission-control	<get-service-border-signaling-gateway-statistics-admission-control>	<bsg-statistics-admission-control>
show services border-signaling-gateway by-call-context-id	<get-service-bsg-information-by-call-context-id>	<bsg-information-details>
show services border-signaling-gateway by-contact	<get-service-border-signaling-gateway-information-by-contact>	<bsg-information-details>
show services border-signaling-gateway by-request-uri	<get-service-border-signaling-gateway-information-by-request-uri>	<bsg-information-details>
show services border-signaling-gateway calls	<get-service-border-signaling-gateway-statistics-calls>	<bsg-statistics-calls-details>
show services border-signaling-gateway calls by-server	<get-service-border-signaling-gateway-statistics-calls-by-server>	<NONE>
show services border-signaling-gateway calls by-service-point	<get-service-border-signaling-gateway-statistics-calls-by-sp>	<NONE>
show services border-signaling-gateway calls-duration	<get-service-border-signaling-gateway-calls-duration>	<bsg-statistics-calls-duration>
show services border-signaling-gateway calls-duration by-server	<get-service-border-signaling-gateway-statistics-calls-duration-by-server>	<NONE>
show services border-signaling-gateway calls-duration by-service-point	<get-service-border-signaling-gateway-statistics-calls-duration-by-sp>	<NONE>
show services border-signaling-gateway calls-failed	<get-service-border-signaling-gateway-statistics-calls-failed>	<bsg-statistics-calls-failed-details>
show services border-signaling-gateway calls-failed by-server	<get-service-border-signaling-gateway-statistics-failed-calls-by-server>	<NONE>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show services border-signaling-gateway calls-failed by-service-point	<get-service-border-signaling-gateway-statistics-failed-calls-by-sp>	<NONE>
show services border-signaling-gateway denied-messages	<get-service-bsg-denied-messages>	<bsg-statistics-denied-messages-details>
show services border-signaling-gateway name-resolution-cache	<get-service-border-signaling-gateway-name-resolution-cache>	<bsg-name-resolution-cache-information>
show services border-signaling-gateway name-resolution-cache all	<get-service-border-signaling-gateway-name-resolution-cache-all>	<bsg-name-resolution-cache-information>
show services border-signaling-gateway registrations	<get-service-bsg-registrations>	<bsg-registrations>
show services border-signaling-gateway registrations realm	<get-service-bsg-registrations-realm-statistics>	<bsg-registrations-realm>
show services border-signaling-gateway registrations statistics	<get-service-bsg-registrations-statistics>	<bsg-registrations>
show services border-signaling-gateway routing-blacklist	<get-service-border-signaling-gateway-routing-blacklist>	<bsg-routing-blacklist>
show services border-signaling-gateway status	<get-service-bsg-status-information>	<bsg-status-information>
show services captive-portal-content-delivery pic	<get-cpcd-pic-information>	<cpcd-pic-information>
show services captive-portal-content-delivery profile	<get-cpcd-profile>	<cpcd-profile>
show services captive-portal-content-delivery rule	<get-cpcd-rule>	<cpcd-rule>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show services captive-portal-content-delivery ruleset	<get-cpcd-rule-set>	<cpcd-rule-set>
show services captive-portal-content-delivery sset	<get-cpcd-service-set>	<cpcd-service-set>
show services captive-portal-content-delivery statistics interface	<get-cpcd-pic-statistics>	<cpcd-pic-statistics>
show services cos statistics	<get-service-cos-statistics-information>	<service-cos-statistics-information>
show services cos statistics diffserv	<get-service-cos-diffserv-statistics>	<service-cos-diffserv-statistics>
show services cos statistics forwarding-class	<get-service-cos-forwarding-class-statistics>	<service-cos-forwarding-class-statistics>
show services crtp	<get-service-crtp-params-information>	<service-crtp-params-information>
show services crtp extensive	<get-service-crtp-extensive-information>	<service-crtp-extensive-information>
show services crtp flows	<get-service-crtp-flow-table-information>	<service-crtp-flow-table-information>
show services dynamic-flow- capture content-destination	<get-services-dynamic-flow- capture-content-destination-information>	<services-dynamic-flow- capture-content-destination-information>
show services dynamic-flow- capture control-source	<get-services-dynamic-flow- capture-control-source-information>	<services-dynamic-flow- capture-control-source-information>
show services dynamic-flow- capture statistics	<get-services-dfc-statistics-information>	<dfc-statistics-information>
show services fips pic status	<get-fips-pic-status-information>	<fips-pic-status-information>
show services flow-collector	<get-services-flow-collector-information>	<services-flow-collector-information>
show services flow-collector file	<get-services-flow-collector-file-information>	<services-flow-collector-file-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show services flow-collector input	<get-services-flow-collector-input-information>	<services-flow-collector-input-information>
show services flow-table statistics	<get-flow-table-statistics-information>	<flow-table-statistics-information>
show services flows	<get-service-msp-flow-table-information>	<service-sfw-flow-table-information>
show services ggsn diagnostics pdp	<get-pdp-diagnostics-per-apn>	<pdp-diagnostics-per-apn>
show services ggsn statistics	<get-ggsn-statistics>	<ggsn-statistics>
show services ggsn statistics apn	<get-ggsn-apn-statistics-information>	<apn-statistics-information>
show services ggsn statistics charging	<get-ggsn-charging-statistics-information>	<ggsn-charging-statistics-information>
show services ggsn statistics gtp	<get-ggsn-gtp-statistics-information>	<gtp-statistics-information>
show services ggsn statistics gtp-prime	<get-ggsn-gtp-prime-statistics-information>	<gtp-prime-statistics-information>
show services ggsn statistics imsi	<get-ggsn-imsi-user-information>	<mobile-user-information>
show services ggsn statistics l2tp-tunnel	<get-ggsn-l2tp-tunnel-statistics-information>	<l2tp-tunnel-statistics-information>
show services ggsn statistics radius	<get-ggsn-radius-statistics-information>	<ggsn-radius-statistics-information>
show services ggsn statistics sgsn	<get-ggsn-sgsn-statistics-information>	<sgsn-statistics-information>
show services ggsn status	<get-ggsn-interface-information>	<ggsn-interface-information>
show services ggsn trace all	<get-ggsn-trace>	<call-trace-information>
show services ggsn trace imsi	<get-ggsn-imsi-trace>	<call-trace-information>
show services ggsn trace msisdn	<get-ggsn-msisdn-trace>	<call-trace-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show services ids destination-table	<get-service-ids-destination-table-information>	<service-ids-flow-table-information>
show services ids pair-table	<get-service-ids-pair-table-information>	<service-ids-flow-table-information>
show services ids source-table	<get-service-ids-source-table-information>	<service-ids-flow-table-information>
show services inline nat statistics	<get-inline-nat-statistics-information>	<inline-nat-statistics-information>
show services ipsec-vpn ike security-associations	<get-ike-services-security-associations-information>	<ike-security-associations-information>
show services ipsec-vpn ipsec security-associations	<get-services-security-associations-information>	<services-security-associations-information>
show services ipsec-vpn ipsec statistics	<get-services-ipsec-statistics-information>	<ipsec-total-statistics-information>
show services l2tp destination	<get-l2tp-destination-information>	<service-l2tp-destination-information>
show services l2tp multilink	<get-l2tp-multilink-information>	<services-l2tp-multilink-information>
show services l2tp radius accounting servers	<get-services-l2tp-radius-accounting-servers-information>	<services-l2tp-radius-accounting-servers-information>
show services l2tp radius accounting statistics	<get-services-l2tp-radius-accounting-statistics-information>	<services-l2tp-radius-accounting-statistics-information>
show services l2tp radius authentication servers	<get-services-l2tp-radius-authentication-servers-information>	<services-l2tp-radius-authentication-servers-information>
show services l2tp radius authentication statistics	<get-services-l2tp-radius-authentication-statistics-information>	<services-l2tp-radius-authentication-statistics-information>
show services l2tp radius servers	<get-services-l2tp-radius-authentication-accounting-servers-information>	<services-l2tp-radius-authentication-accounting-servers-information>
show services l2tp radius statistics	<get-services-l2tp-radius-authentication-accounting-statistics-information>	<services-l2tp-radius-authentication-accounting-statistics-information>
show services l2tp session	<get-l2tp-session-information>	<service-l2tp-session-information>
show services l2tp summary	<get-l2tp-summary-information>	<service-l2tp-summary-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show services l2tp tunnel	<get-l2tp-tunnel-information>	<service-l2tp-tunnel-information>
show services link-services cpu-usage	<get-link-services-cpu-usage>	<lsqinfo-cpu-usage-information>
show services local-policy-decision-function flows interface	<get-local-policy-decision-function-flows-interface>	<lpdf-flows>
show services local-policy-decision-function flows subscriber	<get-local-policy-decision-function-flows-subscriber>	<lpdf-flows>
show services local-policy-decision-function statistics interface	<get-local-policy-decision-function-statistics-interface>	<lpdf-statistics>
show services local-policy-decision-function statistics subscriber	<get-local-policy-decision-function-statistics-subscriber>	<lpdf-statistics>
show services nat ipv6-multicast-interfaces	<get-service-nat-ipv6-multicast-information>	<service-nat-ipv6-multicast-interfaces-information>
show services nat mappings brief	<get-service-nat-mapping-brief>	<service-nat-mapping-brief>
show services nat mappings detail	<get-service-nat-mapping-detail>	<service-nat-mapping-detail>
show services nat mappings summary	<get-service-nat-mapping-summary>	<service-nat-mapping-summary>
show services nat pool	<get-service-nat-pool-information>	<service-nat-pool-information>
show services nat statistics	<get-service-nat-statistics-information>	<service-nat-statistics-information>
show services pgcp active-configuration	<get-pgcpd-active-configuration>	<pgcpd-active-configuration>
show services pgcp active-configuration gateway	<get-service-pgcp-active-configuration-gateway>	<service-pgcp-active-configuration-gateway>
show services pgcp conversations	<get-service- pgcp-conversation- information>	<service-pgcp-conversation-information>



**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show services pgcp conversations gateway	<get-service-pgcp-conversation-information-gateway>	<service-pgcp-conversation--gateway-information>
show services pgcp flows	<get-service-pgcp-flow-table-information>	<service-pgcp-flow-table-information>
show services pgcp flows gateway	<get-service-pgcp-flow-table-information-gateway>	<service-pgcp-flow-table-gateway-information>
show services pgcp gate	<get-service-pgcp-gate>	<service-pgcp-gate>
show services pgcp gate gateway	<get-service-pgcp-gate-gateway>	<service-pgcp-gate-gateway>
show services pgcp gates	<get-service-pgcp-gates>	<service-pgcp-gates>
show services pgcp gates gateway	<get-service-pgcp-gates-gateway>	<service-pgcp-gates-gateway>
show services pgcp root-termination	<get-services-pgcpd-root-termination>	<services-pgcpd-root-termination>
show services pgcp root-termination gateway	<get-services-pgcpd-root-termination-gateway>	<services-pgcpd-root-termination-gateway>
show services pgcp statistics	<get-service-pgcp-statistics>	<service-pgcp-statistics>
show services pgcp statistics gateway	<get-service-pgcp-statistics-gateway>	<service-pgcp-statistics-gateway>
show services pgcp terminations	<get-service-pgcp-terminations>	<service-pgcp-terminations>
show services pgcp terminations gateway	<get-service-pgcp-terminations-gateway>	<service-pgcp-terminations-gateway>
show services rpm active-servers	<get-active-servers>	<active-servers>
show services rpm history-results	<get-history-results>	<history-results>
show services rpm probe-results	<get-probe-results>	<probe-results>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show services server-load-balance external-manager information	<get-external-manager-information>	<external-manager-information>
show services server-load-balance external-manager statistics	<get-external-manager-statistics-information>	<external-manager-statistics-information>
show services server-load-balance hash-table	<get-hash-table-information>	<hash-table-information>
show services server-load-balance health-monitor information	<get-real-server- health-monitor-information>	<real-server-health-monitor-information>
show services server-load-balance health-monitor statistics	<get-real-server-health-monitor-statistics-information>	<real-server-health-monitor-statistics-information>
show services server-load-balance real-server information	<get-real-server-information>	<real-server-information>
show services server-load-balance real-server statistics	<get-real-server-statistics-information>	<real-server-statistics-information>
show services server-load-balance real-server-group information	<get-real-server-group-information>	<real-server-group-information>
show services server-load-balance real-server-group statistics	<get-real-server-group-statistics-information>	<real-server-group-statistics-information>
show services server-load-balance sticky	<get-sticky-table-information>	<sticky-table-information>
show services server-load-balance virtual-server information	<get-virtual-server-information>	<virtual-server-information>
show services server-load-balance virtual-server statistics	<get-virtual-server-statistics-information>	<virtual-server-statistics-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show services service-identification header-redirect statistics	<get-header-redirect-set-statistics-information>	<header-redirect-set-statistics-information>
show services service-identification statistics	<get-service-identification-statistics-information>	<service-identification-statistics-information>
show services service-identification uri-redirect statistics	<get-uri-redirect-set-statistics-information>	<uri-redirect-set-statistics-information>
show services service-sets cpu-usage	<get-service-set-cpu-statistics>	<service-set-cpu-statistics-information>
show services service-sets memory-usage	<get-service-set-memory-statistics>	<service-set-memory-statistics-information>
show services service-sets plug-ins	<get-service-set-plugin-summary>	<service-set-plugin-summary>
show services service-sets statistics packet-drops	<get-service-set-packet-drop-statistics>	<service-set-packet-drop-statistics>
show services service-sets statistics syslog	<get-service-set-syslog-statistics>	<syslog-stats-interface>
show services service-sets statistics tcp-mss	<get-service-set-tcp-mss-statistics>	<service-set-tcp-mss-statistics>
show services service-sets summary	<get-service-set-summary-information>	<service-set-summary-information>
show services sessions	<get-msp-session-table>	<msp-session-table>
show services software	<get-service-software-table-information>	<service-software-table-information>
show services software flows	<get-service-software-flow-table-information>	<service-software-flow-table-information>
show services software flows ds-lite	<get-service-software-ds-lite-flow-table-information>	<service-software-flow-table-information>
show services software flows v6rd	<get-service-software-v6rd-flow-table-information>	<service-software-flow-table-information>
show services software statistics	<get-service-software-statistics-information>	<service-software-statistics-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show services stateful-firewall conversations	<get-service-sfw-conversation-information>	<service-sfw-conversation-information>
show services stateful-firewall flow-analysis	<get-service-flow-analysis-information>	<service-flow-analysis-information>
show services stateful-firewall flows	<get-service-sfw-flow-table-information>	<service-sfw-flow-table-information>
show services stateful-firewall redundancy-statistics	<get-service-sfw-redundancy-statistics>	<service-sfw-redundancy-statistics>
show services stateful-firewall sip-call	<get-service-sfw-sip-call-information>	<service-sfw-sip-call-information>
show services stateful-firewall sip-register	<get-service-sfw-sip-register-information>	<service-sfw-sip-register-information>
show services stateful-firewall statistics	<get-service-sfw-statistics-information>	<service-sfw-statistics-information>
show services subscriber bandwidth client-id	<get-services-subscriber-bandwidth-by-session-id>	<packet-triggered-subscribers-information>
show services subscriber bandwidth interface	<get-services-subscriber-bandwidth-by-interface>	<packet-triggered-subscribers-information>
show services subscriber bandwidth ip-address	<get-services-subscriber-bandwidth-by-ip-address>	<packet-triggered-subscribers-information>
show services subscriber bandwidth service-interface	<get-services-subscriber-bandwidth-by-service-interface>	<packet-triggered-subscribers-information>
show services subscriber dynamic-policies	<get-services-subscriber-dynamic-policies>	<packet-triggered-subscribers-information>
show services subscriber flows	<get-services-subscriber-flows>	<packet-triggered-subscribers-information>
show services subscriber sessions	<get-services-subscriber-session>	<packet-triggered-subscribers-information>
show services subscriber statistics	<get-services-subscriber-statistics>	<packet-triggered-subscribers-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show snmp health-monitor	<get-health-monitor-information>	<health-monitor-information>
show snmp health-monitor alarms	<get-health-monitor-alarm-information>	<rmon-alarm-information>
show snmp health-monitor logs	<get-health-monitor-log-information>	<rmon-log-information>
show snmp inform-statistics	<get-snmp-inform-statistics>	<snmp-inform-statistics>
show snmp mib get	<get-snmp-object>	<snmp-object-information>
show snmp mib get-next	<next-snmp-object>	<snmp-object-information>
show snmp mib walk	<walk-snmp-object>	<snmp-object-information>
show snmp rmon	<get-rmon-information>	<rmon-information>
show snmp rmon alarms	<get-rmon-alarm-information>	<rmon-alarm-information>
show snmp rmon events	<get-rmon-event-information>	<rmon-event-information>
show snmp rmon history	<get-rmon-history-information>	<rmon-history-information>
show snmp rmon logs	<get-rmon-log-information>	<rmon-log-information>
show snmp statistics	<get-snmp-information>	<snmp-statistics>
show snmp v3	<get-snmp-v3-information>	<snmp-v3-information>
show snmp v3 access	<get-snmp-v3-access-information>	<snmp-v3-access-information>
show snmp v3 community	<get-snmp-v3-community-information>	<snmp-v3-community-information>
show snmp v3 general	<get-snmp-v3-general-information>	<snmp-v3-general-information>
show snmp v3 groups	<get-snmp-v3-group-information>	<snmp-v3-group-information>
show snmp v3 notify	<get-snmp-v3-notify-information>	<snmp-v3-notify-information>
show snmp v3 notify filter	<get-snmp-v3-notify-filter-information>	<snmp-v3-notify-filter-information>
show snmp v3 target	<get-snmp-v3-target-information>	<snmp-v3-target-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show snmp v3 target address	<get-snmp-v3-target-address-information>	<snmp-v3-target-address-information>
show snmp v3 target parameters	<get-snmp-v3-target-parameters-information>	<snmp-v3-target-parameters-information>
show snmp v3 users	<get-snmp-v3-usm-user-information>	<snmp-v3-usm-user-information>
show spanning-tree bridge	<get-stp-bridge-information>	<stp-bridge-information>
show spanning-tree interface	<get-stp-interface-information>	<stp-interface-information>
show spanning-tree mstp configuration	<get-mstp-configuration-information>	<mstp-configuration-information>
show spanning-tree statistics interface	<get-stp-interface-statistics>	<stp-interface-statistics>
show spanning-tree statistics routing-instance	<get-stp-routing-instance-statistics>	<stp-routing-instance-statistics>
show subscribers	<get-subscribers>	<subscriber>
show subscribers summary	<get-subscribers-summary>	<subscriber>
show synchronous-ethernet esmc statistics	<get-synchronous-ethernet-esmc-statistics>	<clock-synchronization-statistics>
show synchronous-ethernet esmc transmit	<get-synchronous-ethernet-esmc-transmit>	<clock-synchronization-esmc-transmit>
show synchronous-ethernet global-information	<get-synchronous-ethernet-global-information>	<NONE>
show system alarms	<get-system-alarm-information>	<alarm-information>
show system commit	<get-commit-information>	<commit-information>
show system configuration archival	<get-system-archival>	<directory-list>
show system configuration rescue	<get-rescue-information>	<rescue-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show system core-dumps core-file-info	<get-core-file-information>	<core-information>
show system diagnostics	<diagnostic-tool-list-execute>	<diagnostic-tool-list-execute-output>
show system diagnostics usage	<diagnostic-tool-usage>	<diagnostic-tool-usage-output>
show system directory-usage	<get-directory-usage-information>	<directory-usage-information>
show system firmware	<get-system-firmware-information>	<system-firmware-information>
show system license	<get-license-summary-information>	<license-summary-information>
show system license installed	<get-license-information>	<license-information>
show system license keys	<get-license-key-information>	<license-key-information>
show system license usage	<get-license-usage-summary>	<license-usage-summary>
show system login lockout	<get-system-login-lockout-information>	<system-login-lockout-information>
show system processes health	<get-process-health-information>	<system-processes-health-information>
show system resource-cleanup processes	<get-system-resource-cleanup-processes-information>	<system-resource-cleanup-processes-information>
show system rollback	<get-rollback-information>	<rollback-information>
show system services dhcp binding	<get-dhcp-binding-information>	<dhcp-binding-information>
show system services dhcp conflict	<get-dhcp-conflict-information>	<dhcp-conflict-information>
show system services dhcp global	<get-dhcp-global-information>	<dhcp-global-information>
show system services dhcp pool	<get-dhcp-pool-information>	<dhcp-pool-information>
show system services dhcp statistics	<get-dhcp-statistics-information>	<dhcp-statistics-information>

**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show system services reverse	<get-system-services-reverse-information>	<system-services-reverse-information>
show system services service-deployment	<get-service-deployment-service-information>	<service-deployment-service-information>
show system snapshot	<get-snapshot-information>	<snapshot-information>
show system software backup	<get-package-backup-information>	<package-backup-information>
show system statistics	<get-statistics-information>	<statistics>
show system storage	<get-system-storage>	<system-storage-information>
show system storage partitions	<get-system-storage-partitions>	<system-storage-information>
show system subscriber-management summary	<get-subscriber-management-summary-information>	<subscriber-management-summary-information>
show system switchover	<get-switchover-information>	<switchover-information>
show system uptime	<get-system-uptime-information>	<system-uptime-information>
show system users	<get-system-users-information>	<system-users-information>
show system virtual-memory	<get-system-virtual-memory-information>	<system-virtual-memory-information>
show task memory	<get-task-memory-information>	<task-memory-information>
show ted database	<get-ted-database-information>	<ted-database-information>
show ted link	<get-ted-link-information>	<ted-link-information>
show ted protocol	<get-ted-protocol-information>	<ted-protocol-information>
show version	<get-software-information>	<software-information>
show vpls connections	<get-vpls-connection-information>	<vpls-connection-information>
show vpls flood event-queue	<get-vpls-event-queue-information>	<l2ald-vpls-flood-event-queue>
show vpls flood route all-ce-flood	<get-vpls-all-ce-flood-route-information>	<l2ald-vpls-flood-route-information>



**Table 5: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (M, MX, and T Series) (Part 3) (*continued*)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show vpls flood route all-flood	<get-vpls-all-flood-route-information>	<l2ald-vpls-flood-route-information>
show vpls flood route alt-root-flood	<get-vpls-alt-root-flood-route-information>	<l2ald-vpls-flood-route-information>
show vpls flood route ce-flood	<get-vpls-ce-flood-route-information>	<l2ald-vpls-flood-route-information>
show vpls flood route mlp-flood	<get-vpls-mlp-flood-route-information>	<l2ald-vpls-flood-route-information>
show vpls flood route re-flood	<get-vpls-re-flood-route-information>	<l2ald-vpls-flood-route-information>
show vpls mac-table	<get-vpls-mac-table>	<NONE>
show vpls mac-table interface	<get-vpls-interface-mac-table>	<NONE>
show vpls statistics	<get-vpls-statistics-information>	<vpls-statistics-information>
show vrrp	<get-vrrp-information>	<vrrp-information>
show vrrp interface	<get-vrrp-interface-information>	<vrrp-information>
show vrrp track	<get-vrrp-track-interfaces>	<vrrp-information>
test aaa authd-lite	<get-authdlite-user-aaa-test-result>	<aaa-test-result>
test aaa dhcp	<get-dhcp-user-aaa-test-result>	<aaa-test-result>
test aaa ppp	<get-ppp-user-aaa-test-result>	<aaa-test-result>
test access profile	<get-radius-profile-access-test-result>	<radius-profile-access-test-result>
test access radius-server	<get-radius-server-access-test-result>	<radius-access-server-test-result>
traceroute	<traceroute>	<NONE>
traceroute ethernet	<request-traceroute-ethernet>	<ethtraceroute-results>



## CHAPTER 2

# Mapping Between Operational Tag Elements, Perl Methods, and CLI Commands for EX Series and QFX Series

**Table 6: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (EX Series and QFX Series)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear arp inspection statistics	<clear-arp-inspection-statistics>	<none>
clear captive-portal firewall	<clear-captive-portal-firewall>	<captive-portal-firewall>
clear captive-portal firewall interface	<clear-captive-portal-firewall-interface>	<none>
clear captive-portal interface	<clear-captive-portal-interface-session>	<captive-portal-interface-session>
clear captive-portal mac-address	<clear-captive-portal-mac-session>	<captive-portal-mac-session>
clear dhcp snooping binding	<clear-dhcp-snooping>	<none>
clear dhcp snooping statistics	<clear-dhcp-snooping-statistics>	<none>
clear dot1x firewall	<clear-dot1x-firewall>	<dot1x-firewall>
clear dot1x firewall interface	<clear-dot1x-firewall-interface>	<dot1x-firewall-interface>
clear dot1x interface	<clear-dot1x-interface-session>	<dot1x-interface-session>
clear dot1x mac-address	<clear-dot1x-mac-session>	<dot1x-mac-session>
clear dot1x statistics	<clear-dot1x-statistics>	<dot1x-statistics>
clear dot1x statistics interface	<clear-dot1x-statistics-interface>	<dot1x-statistics-interface>
clear ethernet-switching bpdu-error	<clear-ethernet-switching-bpdu-error>	<none>

**Table 6: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (EX Series and QFX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ethernet-switching layer2-protocol-tunneling error	<clear-l2pt-error>	<none>
clear ethernet-switching layer2-protocol-tunneling statistics	<clear-l2pt-statistics>	<none>
clear ethernet-switching layer2-protocol-tunneling statistics interface	<clear-l2pt-interface-statistics>	<none>
clear ethernet-switching layer2-protocol-tunneling statistics vlan	<clear-l2pt-vlan-statistics>	<none>
clear ethernet-switching mac-learning-log	<clear-ethernet-switching-mac-learning-log>	<none>
clear ethernet-switching port-error	<clear-ethernet-switching-port-error>	<none>
clear ethernet-switching statistics aging	<clear-ethernet-switching-statistics-aging>	<NONE>
clear ethernet-switching statistics mac-learning	<clear-ethernet-switching-mac-learning-statistics>	<none>
clear ethernet-switching table	<clear-ethernet-switching-table>	<none>
clear ethernet-switching table management-vlan	<clear-ethernet-switching-table-management-vlan>	<none>
clear fip snooping enode	<clear-fip-snooping-enode>	<none>
clear fip snooping statistics	<clear-fip-snooping-statistics>	<none>
clear fip snooping vlan	<clear-fip-snooping-vlan>	<none>
clear helper statistics	<clear-helper-statistics>	<none>
clear igmp-snooping	<clear-igmp-snooping>	<none>
clear igmp-snooping membership	<clear-igmp-snooping-membership>	<none>
clear igmp-snooping statistics	<clear-igmp-snooping-statistics>	<none>
clear multicast route counter	<clear-multicast-route-counter>	<none>

**Table 6: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (EX Series and QFX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear mvrp statistics	<clear-mvrp-statistics>	<mvrp-statistics>
clear mvrp statistics interface	<clear-mvrp-statistics-interface>	<mvrp-statistics-interface>
clear oam ethernet connectivity-fault-management path-database	<clear-cfm-linktrace-path-database>	<none>
clear oam ethernet connectivity-fault-management statistics	<cfm-clear-statistics>	<none>
clear sflow collector statistics	<clear-sflow-collector-statistics>	<none>
clear spanning-tree statistics interface	<clear-stp-statistics-interface>	<none>
clear system services dhcp binding	<clear-dhcp-binding-information>	<none>
clear system services dhcp binding	<clear-dhcp-binding-information>	<none>
clear system services dhcp conflict	<clear-dhcp-conflict-information>	<none>
clear system services dhcp conflict	<clear-dhcp-conflict-information>	<none>
clear system services dhcp statistics	<clear-dhcp-statistics-information>	<none>
clear system services dhcp statistics	<clear-dhcp-statistics-information>	<none>
clear virtual-chassis protocol statistics	<clear-virtual-chassis-statistics>	<clear-virtual-chassis-statistics>
clear virtual-chassis vc-port statistics	<clear-virtual-chassis-port-statistics>	<clear-virtual-chassis-port-statistics>
load dhcp-snooping	<load-dhcp-snooping>	<none>
request diagnostics tdr abort interface	<abort-tdr-interface-diagnostics>	<tdr-abort-interface>
request diagnostics tdr start interface	<request-tdr-interface-diagnostics>	<tdr-start-interface>
request multicast route counter	<request-multicast-route-counter>	<none>
request poe software upgrade	<poe-controller-download-software>	<poe-controller-download>
request system services dhcp release	<release-dhcp-client>	<none>
request system services dhcp renew	<renew-dhcp-client>	<none>
request virtual-chassis device-reachability	<get-virtual-chassis-diagnostic-information>	<virtual-chassis-diagnostic-information>

**Table 6: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (EX Series and QFX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
request virtual-chassis mode mixed	<request-virtual-chassis-mode-mixed>	<none>
request virtual-chassis vc-port delete pic-slot	<request-virtual-chassis-vc-port-delete-pic-slot>	<none>
request virtual-chassis vc-port set interface	<request-virtual-chassis-vc-port-set-interface>	<none>
request virtual-chassis vc-port set pic-slot	<request-virtual-chassis-vc-port-set-pic-slot>	<none>
save dhcp-snooping	<save-dhcp-snooping>	<none>
show analyzer	<get-analyzer-information>	<analyzer-information>
show arp inspection statistics	<get-arp-inspection-statistics>	<arp-inspection>
show authentication-whitelist	<get-ethernet-switching-authentication-whitelist-mac>	<ethernet-switching-authentication-whitelist-mac>
show authentication-whitelist authentication-bypassed-users	<get-authentication-whitelist-mac-bypassed-users>	<dot1x-authentication-whitelist-mac-bypassed-users>
show authentication-whitelist interface	<get-ethernet-switching-interface-mac-addresses>	<ethernet-switching-interface-mac-addresses>
show captive-portal authentication-failed-users	<get-captive-portal-authentication-failed-users>	<dot1x-authentication-failed-users>
show captive-portal firewall	<get-captive-portal-firewall-interface>	<captive-portal-firewall-interface>
show captive-portal interface	<get-captive-portal-interface-information>	<captive-portal-interface-information>
show chassis lcd	<get-lcd-information>	<craft-lcd-led-information>
show chassis lcd fpc-slot	<get-lcd-fpc-information>	<craft-lcd-led-information>
show chassis lcd menu	<get-lcd-menu-information>	<lcd-information>
show chassis led	<get-led-information>	<craft-lcd-led-information>
show chassis led fpc-slot	<get-led-fpc-information>	<craft-lcd-led-information>
show chassis pic-mode	<get-chassis-pic-mode-information>	<chassis-pic-mode-information>
show dcbx neighbors	<get-dcbx-neighbor-information>	<dcbx-neighbor-information>

**Table 6: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (EX Series and QFX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show dcbx neighbors interface	<get-dcbx-neighbor-interface-information>	<dcbx-neighbor-interface-information>
show dhcp snooping binding	<get-dhcp-snoop-binding>	<dhcp-snooping>
show dhcp snooping statistics	<get-dhcp-snooping-statistics>	<dhcp-snooping>
show diagnostics tdr	<get-tdr-interface-information>	<tdr-interface-information>
show diagnostics tdr interface	<get-tdr-interface-status>	<tdr-interface-status>
show dot1x authentication-bypassed-users	<get-static-mac-bypassed-users>	<dot1x-static-mac-bypassed-users>
show dot1x authentication-failed-users	<get-dot1x-authentication-failed-users>	<dot1x-authentication-failed-users>
show dot1x firewall	<get-dot1x-firewall-interface>	<dot1x-firewall-interface>
show dot1x interface	<get-dot1x-interface-information>	<dot1x-interface-information>
show dot1x static-mac-address	<get-dot1x-static-mac-addresses>	<dot1x-static-mac-addresses>
show dot1x static-mac-address interface	<get-dot1x-interface-mac-addresses>	<dot1x-interface-mac-addresses>
show dot1x statistics	<get-dot1x-statistics>	<dot1x-statistics>
show dot1x statistics interface	<get-dot1x-statistics-interface>	<dot1x-statistics-interface>
show ethernet-switching interfaces	<get-ethernet-switching-interface-information>	<switching-interface-information>
show ethernet-switching layer2-protocol-tunneling interface	<get-l2pt-interface-information>	<layer2-protocol-tunneling-interface-information>
show ethernet-switching layer2-protocol-tunneling statistics	<get-l2pt-statistics>	<layer2-protocol-tunneling-statistics>
show ethernet-switching layer2-protocol-tunneling statistics interface	<get-l2pt-interface-statistics>	<layer2-protocol-tunneling-statistics>
show ethernet-switching layer2-protocol-tunneling statistics vlan	<get-l2pt-vlan-statistics>	<layer2-protocol-tunneling-statistics>
show ethernet-switching layer2-protocol-tunneling vlan	<get-l2pt-vlan-information>	<layer2-protocol-tunneling-vlan-information>
show ethernet-switching mac-learning-log	<get-ethernet-switching-log-information>	<ethernet-switching-mac-log-information>

**Table 6: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (EX Series and QFX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ethernet-switching mac-notification	<get-ethernet-switching-mac-notification-information>	<ethernet-switching-mac-notification-information>
show ethernet-switching next-hops	<get-ethernet-switching-next-hop-information>	<ethernet-switching-next-hop-information>
show ethernet-switching statistics aging	<get-ethernet-switching-aging-statistics>	<ethernet-switching-statistics>
show ethernet-switching statistics mac-learning	<get-ethernet-switching-mac-learning-statistics>	<ethernet-switching-statistics>
show ethernet-switching table	<get-ethernet-switching-table-information>	<ethernet-switching-table-information>
show ethernet-switching table interface	<get-interface-ethernet-switching-table>	<ethernet-switching-table-information>
show ethernet-switching table management-vlan	<get-management-vlan-ethernet-switching-table>	<ethernet-switching-table-information>
show ethernet-switching table vlan	<get-vlan-ethernet-switching-table>	<ethernet-switching-table-information>
show fip snooping	<get-fip-snooping>	<fip-snooping-information>
show fip snooping enode	<get-fip-snooping-enode>	<fip-snooping-enode-information>
show fip snooping fcf	<get-fip-snooping-fcf>	<fip-snooping-fcf-information>
show fip snooping statistics	<get-fip-snooping-statistics>	<fip-snooping-statistics>
show fip snooping vlan	<get-fip-snooping-vlan>	<fip-snooping-information>
show firewall	<get-firewall-information>	<firewall-information>
show firewall counter	<get-firewall-counter-information>	<firewall-counter-information>
show firewall filter	<get-firewall-filter-information>	<firewall-filter-information>
show firewall filter version	<get-filter-version>	<firewall-information>
show firewall log	<get-firewall-log-information>	<firewall-log-information>
show firewall prefix-action-stats	<get-firewall-prefix-action-information>	<firewall-prefix-action-information>
show gvrp	<get-gvrp-information>	<gvrp-information>



**Table 6: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (EX Series and QFX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show helper statistics	<get-helper-statistics>	<helper-statistics>
show igmp-snooping flows	<get-igmp-snooping-flow-information>	<igmp-snooping-flow-information>
show igmp-snooping membership	<get-igmp-snooping-membership-information>	<igmp-snooping-membership-information>
show igmp-snooping route	<get-igmp-snooping-routing-information>	<igmp-snooping-routing-information>
show igmp-snooping statistics	<get-igmp-snooping-statistics-information>	<igmp-snooping-statistics-information>
show igmp-snooping task	<get-igmp-snooping-task-information>	<task-summary-information>
show igmp-snooping task accounting	<get-igmp-snooping-task-accounting>	<task-accounting-information>
show igmp-snooping task io	<get-igmp-snooping-task-io>	<task-io-information>
show igmp-snooping task jobs	<get-igmp-snooping-task-jobs>	<task-jobs-information>
show igmp-snooping task memory	<get-igmp-snooping-task-memory>	<task-memory-information>
show igmp-snooping task statistics	<get-igmp-snooping-task-statistics>	<task-statistics-information>
show igmp-snooping task timers	<get-igmp-snooping-task-timers>	<task-timer-information>
show igmp-snooping vlans	<get-igmp-snooping-vlan-information>	<igmp-snooping-vlan-information>
show ike security-associations	<get-ike-security-associations-information>	<ike-security-associations-information>
show ip-source-guard	<get-ip-source-guard-information>	<ip-source-guard>
show ipsec certificates	<get-certificates-information>	<certificates-information>
show ipsec certificates crl	<get-crl-information>	<crl-information>
show ipsec redundancy interface	<get-ipsec-pic-redundancy-information>	<ipsec-pic-redundancy-information>

**Table 6: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (EX Series and QFX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ipsec redundancy security-associations	<get-ipsec-tunnel-redundancy-information>	<ipsec-tunnel-redundancy-information>
show ipsec security-associations	<get-security-associations-information>	<security-associations-information>
show lldp	<get-lldp-information>	<lldp-information>
show lldp detail	<get-lldp-information-detail>	<lldp-information-detail>
show lldp local-information	<get-lldp-local-info>	<lldp-local-info>
show lldp neighbors	<get-lldp-neighbors-information>	<lldp-neighbors-information>
show lldp remote-global-statistics	<get-lldp-remote-global-statistics>	<lldp-remote-global-statistics>
show lldp statistics	<get-lldp-statistics-information>	<lldp-statistics-information>
show mvrp	<get-mvrp-information>	<mvrp-information>
show mvrp dynamic-vlan-memberships	<get-mvrp-dynamic-vlan-memberships>	<mvrp-dynamic-vlan-memberships>
show mvrp statistics	<get-mvrp-stats>	<mvrp-stats>
show mvrp statistics interface	<get-mvrp-stats-intf>	<mvrp-stats-intf>
show oam ethernet connectivity-fault-management adjacencies	<get-cfm-adjacency-information>	<cfm-adjacency-information>
show oam ethernet connectivity-fault-management forwarding-state interface	<get-cfm-flood-interface-information>	<cfm-flood-interface-information>
show oam ethernet connectivity-fault-management interfaces	<get-cfm-interface>	<cfm-interface>
show oam ethernet connectivity-fault-management mep-database	<get-cfm-mep-database-information>	<cfm-mep-database>
show oam ethernet connectivity-fault-management mep-statistics	<get-cfm-mep-statistics>	<cfm-mep-statistics>
show oam ethernet connectivity-fault-management mip	<get-cfm-MIP-information>	<cfm-MIP-information>

**Table 6: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (EX Series and QFX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show oam ethernet connectivity-fault-management path-database	<get-cfm-linktrace-path-databases>	<cfm-linktrace-path-database>
show oam ethernet connectivity-fault-management routes	<get-cfm-bridge-routes>	<cfm-route-table>
show poe controller	<get-poe-controller-information>	<poe-controller-information>
show poe interface	<get-poe-interface-information>	<interface-information>
show poe interface fpc-slot	<get-poe-interface-fpc-information>	<poe-interface-information>
show poe notification-control	<get-poe-notifications>	<poe-notification-information>
show poe telemetries interface	<get-telemetries-information>	<telemetries-information>
show redundant-trunk-group	<get-rtg-information>	<rtg-information>
show redundant-trunk-group group-name	<get-rtg-information-pergrp>	<rtg-information-pergrp>
show services fips pic status	<get-fips-pic-status-information>	<fips-pic-status-information>
show services ipsec-vpn ike security-associations	<get-ike-services-security-associations-information>	<ike-security-associations-information>
show services ipsec-vpn ipsec security-associations	<get-services-security-associations-information>	<services-security-associations-information>
show services ipsec-vpn ipsec statistics	<get-services-ipsec-statistics-information>	<ipsec-total-statistics-information>
show sflow	<get-sflow-information>	<sflow>
show sflow collector	<get-sflow-collector>	<sflow>
show sflow interface	<get-sflow-interface>	<sflow>
show spanning-tree bridge	<get-stp-bridge-information>	<stp-bridge-information>
show spanning-tree interface	<get-stp-bridge-interface-information>	<stp-bridge-interface-information>
show spanning-tree mstp configuration	<get-mstp-bridge-configuration-information>	<mstp-bridge-configuration-information>
show spanning-tree statistics interface	<get-stp-statistics-interface-information>	<stp-statistics-interface-information>
show spanning-tree statistics vlan	<get-stp-vlan-interface-statistics>	<stp-vlan-interface-statistics>

**Table 6: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (EX Series and QFX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show system autoinstallation status	<get-autoinstallation-status-information>	<autoinstallation-status-information>
show system initialsetup status	<get-initialsetup-status-information>	<initialsetup-status-information>
show system services dhcp binding	<get-dhcp-binding-information>	<dhcp-binding-information>
show system services dhcp binding	<get-dhcp-binding-information>	<dhcp-binding-information>
show system services dhcp client	<get-dhcp-client-information>	<dhcp-client-information>
show system services dhcp conflict	<get-dhcp-conflict-information>	<dhcp-conflict-information>
show system services dhcp conflict	<get-dhcp-conflict-information>	<dhcp-conflict-information>
show system services dhcp global	<get-dhcp-global-information>	<dhcp-global-information>
show system services dhcp global	<get-dhcp-global-information>	<dhcp-global-information>
show system services dhcp pool	<get-dhcp-pool-information>	<dhcp-pool-information>
show system services dhcp pool	<get-dhcp-pool-information>	<dhcp-pool-information>
show system services dhcp relay-statistics	<get-dhcp-helper-statistics>	<dhcp-helper-statistics>
show system services dhcp statistics	<get-dhcp-statistics-information>	<dhcp-statistics-information>
show system services dhcp statistics	<get-dhcp-statistics-information>	<dhcp-statistics-information>
show uplink-failure-detection	<get-uplink-failure-detection-information>	<uplink-failure-detection-information>
show uplink-failure-detection group	<get-uplink-failure-detection-group-information>	<uplink-failure-detection-group-information>
show virtual-chassis active-topology	<get-virtual-chassis-active-topology>	<virtual-chassis-active-topology>
show virtual-chassis device-topology	<get-virtual-chassis-device-topology>	<virtual-chassis-device-information>
show virtual-chassis fast-failover	<get-virtual-chassis-fast-failover>	<virtual-chassis-fast-failover>
show virtual-chassis mode	<get-virtual-chassis-mode-information>	<virtual-chassis-mode-information>
show virtual-chassis protocol adjacency	<get-virtual-chassis-adjacency-information>	<virtual-chassis-adjacency-information>
show virtual-chassis protocol database	<get-virtual-chassis-database-information>	<virtual-chassis-database-information>
show virtual-chassis protocol interface	<get-virtual-chassis-interface-information>	<virtual-chassis-interface-information>

**Table 6: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (EX Series and QFX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show virtual-chassis protocol route	<get-virtual-chassis-route-information>	<virtual-chassis-route-information>
show virtual-chassis protocol statistics	<get-virtual-chassis-statistics-information>	<virtual-chassis-statistics-information>
show virtual-chassis status	<get-virtual-chassis-information>	<virtual-chassis-information>
show virtual-chassis vc-path	<get-virtual-chassis-packet-path>	<virtual-chassis-packet-path>
show virtual-chassis vc-port	<get-virtual-chassis-port-information>	<virtual-chassis-port-information>
show virtual-chassis vc-port statistics	<get-virtual-chassis-port-statistics>	<virtual-chassis-port-statistics>
show vlans	<get-vlan-information>	<vlan-information>



## CHAPTER 3

# Mapping Between Operational Tag Elements, Perl Methods, and CLI Commands for J Series and SRX Series

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear arp inspection statistics	<clear-arp-inspection-statistics>	<none>
clear bridge rewrite statistics	<clear-retag-statistics>	<clear-vlan-retag-statistics-information>
clear chassis cluster control-plane statistics	<clear-chassis-cluster-control-plane-statistics>	<NONE>
clear chassis cluster control-plane statistics	<clear-chassis-cluster-control-plane-statistics>	<NONE>
clear chassis cluster data-plane statistics	<clear-chassis-cluster-data-plane-statistics>	<NONE>
clear chassis cluster data-plane statistics	<clear-chassis-cluster-data-plane-statistics>	<NONE>
clear chassis cluster ethernet-switching statistics	<clear-chassis-cluster-switch-fabric-probe-statistics>	<NONE>
clear chassis cluster ethernet-switching statistics	<clear-chassis-cluster-switch-fabric-probe-statistics>	<NONE>
clear chassis cluster failover-count	<clear-chassis-cluster-failover-count>	<NONE>
clear chassis cluster failover-count	<clear-chassis-cluster-failover-count>	<NONE>

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear chassis cluster information	<clear-chassis-cluster-information>	<NONE>
clear chassis cluster information	<clear-chassis-cluster-information>	<NONE>
clear chassis cluster ip-monitoring failure-count	<clear-chassis-cluster-ip-monitoring-failure-count>	<NONE>
clear chassis cluster ip-monitoring failure-count	<clear-chassis-cluster-ip-monitoring-failure-count>	<NONE>
clear chassis cluster ip-monitoring failure-count ip-address	<clear-chassis-cluster-ip-monitoring-failure-count-ip-address>	<NONE>
clear chassis cluster ip-monitoring failure-count ip-address	<clear-chassis-cluster-ip-monitoring-failure-count-ip-address>	<NONE>
clear chassis cluster statistics	<clear-chassis-cluster-statistics>	<NONE>
clear chassis cluster statistics	<clear-chassis-cluster-statistics>	<NONE>
clear dhcp snooping binding	<clear-dhcp-snooping>	<none>
clear dhcp snooping statistics	<clear-dhcp-snooping-statistics>	<none>
clear dot1x firewall	<clear-dot1x-firewall>	<dot1x-firewall>
clear dot1x firewall interface	<clear-dot1x-firewall-interface>	<dot1x-firewall-interface>
clear dot1x interface	<clear-dot1x-interface-session>	<dot1x-interface-session>
clear dot1x mac-address	<clear-dot1x-mac-session>	<dot1x-mac-session>
clear dot1x statistics	<clear-dot1x-statistics>	<dot1x-statistics>
clear dot1x statistics interface	<clear-dot1x-statistics-interface>	<dot1x-statistics-interface>
clear ethernet-switching bpdu-error	<clear-ethernet-switching-bpdu-error>	<none>



**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear ethernet-switching layer2-protocol-tunneling error	<clear-l2pt-error>	<none>
clear ethernet-switching layer2-protocol-tunneling statistics	<clear-l2pt-statistics>	<none>
clear ethernet-switching layer2-protocol-tunneling statistics interface	<clear-l2pt-interface-statistics>	<none>
clear ethernet-switching layer2-protocol-tunneling statistics vlan	<clear-l2pt-vlan-statistics>	<none>
clear ethernet-switching mac-learning-log	<clear-ethernet-switching-mac-learning-log>	<none>
clear ethernet-switching port-error	<clear-ethernet-switching-port-error>	<none>
clear ethernet-switching statistics aging	<clear-ethernet-switching-statistics-aging>	<NONE>
clear ethernet-switching statistics mac-learning	<clear-ethernet-switching-mac-learning-statistics>	<none>
clear ethernet-switching table	<clear-ethernet-switching-table>	<none>
clear ethernet-switching table management-vlan	<clear-ethernet-switching-table-management-vlan>	<none>
clear fip snooping enode	<clear-fip-snooping-enode>	<none>
clear fip snooping statistics	<clear-fip-snooping-statistics>	<none>
clear fip snooping vlan	<clear-fip-snooping-vlan>	<none>
clear igmp-snooping	<clear-igmp-snooping>	<none>
clear igmp-snooping membership	<clear-igmp-snooping-membership>	<none>
clear igmp-snooping statistics	<clear-igmp-snooping-statistics>	<none>
clear isdn q921 statistics	<clear-isdn-q921-statistics>	<none>

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear isdn q931 statistics	<clear-isdn-q931-statistics>	<none>
clear multicast route counter	<clear-multicast-route-counter>	<none>
clear mvrp statistics	<clear-mvrp-statistics>	<mvrp-statistics>
clear mvrp statistics interface	<clear-mvrp-statistics-interface>	<mvrp-statistics-interface>
clear security alg h323 counters	<clear-alg-h323-counters>	<NONE>
clear security alg ike-esp-nat	<clear-alg-ike-esp-state>	<alg-ike-esp-clear>
clear security alg mgcp calls	<clear-alg-mgcp-calls-information>	<NONE>
clear security alg mgcp counters	<clear-alg-mgcp-counter-information>	<NONE>
clear security alg sccp calls	<clear-alg-sccp-calls-information>	<NONE>
clear security alg sccp counters	<clear-alg-sccp-counters>	<NONE>
clear security alg sip calls	<clear-alg-sip-calls>	<NONE>
clear security alg sip counters	<clear-alg-sip-counters>	<NONE>
clear security application-firewall rule-set statistics	<clear-application-firewall-statistics>	<NONE>
clear security application-tracking counters	<clear-avt-counters>	<NONE>
clear security datapath-debug counters	<clear-eedebg-counters>	<clear-eedebg-counters-result>
clear security dynamic-policies statistics	<clear-security-dynamic-policies-statistics>	<none>
clear security dynamic-vpn all	<clear-all-dvpn-user-connections>	<clear-all-dvpn-user-connection-information>

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear security dynamic-vpn user	<clear-dvpn-user-connection-by-username>	<clear-dvpn-user-connection-information>
clear security firewall-authentication history	<clear-security-firewall-authentication-history>	<NONE>
clear security firewall-authentication users	<clear-security-firewall-authentication-users>	<NONE>
clear security flow ip-action all	<clear-flow-ipaction-all>	<clear-flow-ipaction-information>
clear security flow session	<clear-flow-session>	<clear-flow-session-information>
clear security flow session all	<clear-flow-session-all>	<clear-flow-session-information>
clear security flow session session-identifier	<clear-flow-session-by-session-identifier>	<clear-flow-session-information>
clear security group-vpn member ike security-associations	<clear-group-vpn-ike-security-associations>	<NONE>
clear security group-vpn member ipsec security-associations	<clear-gvpn-ipsec-security-association>	<NONE>
clear security group-vpn member ipsec statistics	<clear-gvpn-ipsec-statistics>	<NONE>
clear security group-vpn member kek security-associations	<clear-group-vpn-kek-security-associations>	<NONE>
clear security group-vpn server	<clear--security-group-vpn-server>	<NONE>
clear security ike respond-bad-spi-count	<clear-ike-respond-bad-spi-count>	<NONE>
clear security ike security-associations	<clear-ike-security-association>	<NONE>
clear security ipsec security-associations	<clear-ipsec-security-association>	<NONE>

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear security ipsec statistics	<clear-ipsec-statistics>	<NONE>
clear security nat incoming-table	<clear-incoming-table-information>	<incoming-table-information>
clear security nat source persistent-nat-table all	<clear-persist-nat-all>	<persist-nat-all>
clear security nat source persistent-nat-table interface	<clear-persist-nat-interface-information>	<persist-nat-interface-information>
clear security nat source persistent-nat-table internal-ip	<clear-persist-nat-ip-port-information>	<persist-nat-ip-port-information>
clear security nat source persistent-nat-table pool	<clear-persist-nat-pool-information>	<persist-nat-pool-information>
clear security nat statistics destination pool	<clear-destination-nat-pool-information>	<destination-nat-pool-information>
clear security nat statistics destination rule	<clear-destination-nat-rule-sets-information>	<Clear_destination-nat-rule-sets-information>
clear security nat statistics source pool	<clear-source-nat-pool-information>	<source-nat-pool-information>
clear security nat statistics source rule	<clear-source-nat-rule-sets-information>	<Clear_source-nat-rule-sets-information>
clear security nat statistics static rule	<clear-static-nat-rule-sets-information>	<Clear_static-nat-rule-sets-information>
clear security policies statistics	<clear-security-policies-statistics>	<none>
clear security screen statistics	<clear-screen-statistics>	<clear-ids-statistics-information>
clear security utm anti-spam statistics	<clear-anti-spam-clear>	<NONE>
clear security utm anti-virus statistics	<clear-anti-virus>	<NONE>
clear security utm content-filtering statistics	<clear-content-filter>	<NONE>

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
clear security utm web-filtering statistics	<clear-web-filter-clear>	<NONE>
clear spanning-tree statistics interface	<clear-stp-statistics-interface>	<none>
clear system services dhcp binding	<clear-dhcp-binding-information>	<none>
clear system services dhcp conflict	<clear-dhcp-conflict-information>	<none>
clear system services dhcp statistics	<clear-dhcp-statistics-information>	<none>
clear tgm fpc	<clear-tgm-media-gateway-controller>	<none>
clear wlan access-point neighbors	<clear-wlan-access-points-neighbors>	<none>
load dhcp-snooping	<load-dhcp-snooping>	<none>
request chassis cluster in-service-upgrade	<request-chassis-cluster- in-service-upgrade>	<NONE>
request chassis cluster in-service-upgrade	<request-chassis-cluster- in-service-upgrade>	<NONE>
request modem wireless activate	<activate-wireless-modem>	<none>
request modem wireless activate iota	<request-modem-wireless-activate-iota>	<none>
request modem wireless activate manual	<request-modem-wireless-activate-manual>	<none>
request modem wireless activate otasp	<request-modem-wireless-activate-otasp>	<none>
request modem wireless gsm change-pin	<request-gsm-change-pin>	<none>
request modem wireless gsm create-profile	<request-gsm-create-profile>	<none>
request modem wireless gsm delete-profile	<request-gsm-delete-profile>	<none>

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
request modem wireless gsm sim-lock	<request-gsm-sim-lock>	<none>
request modem wireless gsm sim-unblock	<request-gsm-sim-unblock>	<none>
request modem wireless gsm sim-unlock	<request-gsm-sim-unlock>	<none>
request multicast route counter	<request-multicast-route-counter>	<none>
request security datapath-debug capture start	<request-eedebg-capture-start>	<request-eedebg-capture-start-result>
request security datapath-debug capture stop	<request-eedebg-capture-stop>	<request-eedebg-capture-stop-result>
request security utm anti-virus juniper-express-engine	<request-anti-virus-request-update-express>	<NONE>
request security utm anti-virus kaspersky-lab-engine	<request-anti-virus-request-update-kaspersky>	<NONE>
request security utm anti-virus sophos-engine	<request-anti-virus-update-sophos-patterns>	<NONE>
request system services dhcp release	<release-dhcp-client>	<NONE>
request system services dhcp renew	<renew-dhcp-client>	<NONE>
request wlan access-point firmware switch-image	<request-wlan-access-point-firmware-switch>	<none>
request wlan access-point firmware upgrade	<request-wlan-access-point-firmware-upgrade>	<none>
request wlan access-point packet-capture start	<request-wlan-access-point-packet-capture-start>	<wlan-access-point-packet-capture-start>
request wlan access-point packet-capture stop	<request-wlan-access-point-packet-capture-stop>	<wlan-access-point-packet-capture-stop>

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
request wlan access-point restart	<request-wlan-access-point-restart>	<none>
save dhcp-snooping	<save-dhcp-snooping>	<none>
set chassis cluster cluster-id	<set-chassis-cluster-enable>	<NONE>
set chassis cluster cluster-id	<set-chassis-cluster-enable>	<NONE>
set chassis cluster disable	<set-chassis-cluster-disable>	<NONE>
set chassis cluster disable	<set-chassis-cluster-disable>	<NONE>
set tgm fpc	<set-tgm-media-gateway-controller>	<none>
show analyzer	<get-analyzer-information>	<analyzer-information>
show arp inspection statistics	<get-arp-inspection-statistics>	<arp-inspection>
show authentication-whitelist	<get-ethernet-switching-authentication-whitelist-mac>	<ethernet-switching-authentication-whitelist-mac>
show authentication-whitelist authentication-bypassed-users	<get-authentication-whitelist-mac-bypassed-users>	<dot1x-authentication-whitelist-mac-bypassed-users>
show authentication-whitelist interface	<get-ethernet-switching-interface-mac-addresses>	<ethernet-switching-interface-mac-addresses>
show bridge rewrite statistics	<get-retag-statistics>	<show-retag-statistics-information>
show chassis cluster control-plane statistics	<get-chassis-cluster-control-plane-statistics>	<NONE>
show chassis cluster control-plane statistics	<get-chassis-cluster-control-plane-statistics>	<NONE>
show chassis cluster data-plane interfaces	<get-chassis-cluster-data-plane-interfaces>	<NONE>
show chassis cluster data-plane interfaces	<get-chassis-cluster-data-plane-interfaces>	<NONE>

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show chassis cluster data-plane statistics	<get-chassis-cluster-data-plane-statistics>	<NONE>
show chassis cluster data-plane statistics	<get-chassis-cluster-data-plane-statistics>	<NONE>
show chassis cluster ethernet-switching interfaces	<get-chassis-cluster-switch-fabric-link-interfaces>	<NONE>
show chassis cluster ethernet-switching interfaces	<get-chassis-cluster-switch-fabric-link-interfaces>	<NONE>
show chassis cluster ethernet-switching statistics	<get-chassis-cluster-switch-fabric-probe-statistics>	<NONE>
show chassis cluster ethernet-switching statistics	<get-chassis-cluster-switch-fabric-probe-statistics>	<NONE>
show chassis cluster ethernet-switching status	<get-chassis-cluster-ethernet-switching-status>	<NONE>
show chassis cluster ethernet-switching status	<get-chassis-cluster-ethernet-switching-status>	<NONE>
show chassis cluster interfaces	<get-chassis-cluster-interfaces>	<NONE>
show chassis cluster interfaces	<get-chassis-cluster-interfaces>	<NONE>
show chassis cluster ip-monitoring status	<get-chassis-cluster-ip-monitoring-status>	<NONE>
show chassis cluster ip-monitoring status	<get-chassis-cluster-ip-monitoring-status>	<NONE>
show chassis cluster ip-monitoring status redundancy-group	<get-chassis-cluster-ip-monitoring-status-redundancy-group>	<NONE>
show chassis cluster ip-monitoring status redundancy-group	<get-chassis-cluster-ip-monitoring-status-redundancy-group>	<NONE>



**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show chassis cluster statistics	<get-chassis-cluster-statistics>	<NONE>
show chassis cluster statistics	<get-chassis-cluster-statistics>	<NONE>
show chassis cluster status	<get-chassis-cluster-status>	<NONE>
show chassis cluster status	<get-chassis-cluster-status>	<NONE>
show dcbx neighbors	<get-dcbx-neighbor-information>	<dcbx-neighbor-information>
show dcbx neighbors interface	<get-dcbx-neighbor-interface-information>	<dcbx-neighbor-interface-information>
show dhcp snooping binding	<get-dhcp-snoop-binding>	<dhcp-snooping>
show dhcp snooping statistics	<get-dhcp-snooping-statistics>	<dhcp-snooping>
show dialer defaults	<get-dialer-defaults-information>	<dialer-defaults-information>
show dialer interfaces	<get-dialer-interface-information>	<dialer-interface-information>
show dialer pools	<get-dialer-pool-information>	<dialer-pool-information>
show dot1x authentication-bypassed-users	<get-static-mac-bypassed-users>	<dot1x-static-mac-bypassed-users>
show dot1x authentication-failed-users	<get-dot1x-authentication-failed-users>	<dot1x-authentication-failed-users>
show dot1x firewall	<get-dot1x-firewall-interface>	<dot1x-firewall-interface>
show dot1x interface	<get-dot1x-interface-information>	<dot1x-interface-information>
show dot1x static-mac-address	<get-dot1x-static-mac-addresses>	<dot1x-static-mac-addresses>
show dot1x static-mac-address interface	<get-dot1x-interface-mac-addresses>	<dot1x-interface-mac-addresses>
show dot1x statistics	<get-dot1x-statistics>	<dot1x-statistics>

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show dot1x statistics interface	<get-dot1x-statistics-interface>	<dot1x-statistics-interface>
show ethernet-switching interfaces	<get-ethernet-switching-interface-information>	<switching-interface-information>
show ethernet-switching layer2-protocol-tunneling interface	<get-l2pt-interface-information>	<layer2-protocol--tunneling-interface-information>
show ethernet-switching layer2-protocol-tunneling statistics	<get-l2pt-statistics>	<layer2-protocol-tunneling-statistics>
show ethernet-switching layer2-protocol-tunneling statistics interface	<get-l2pt-interface-statistics>	<layer2-protocol-tunneling-statistics>
show ethernet-switching layer2-protocol-tunneling statistics vlan	<get-l2pt-vlan-statistics>	<layer2-protocol-tunneling-statistics>
show ethernet-switching layer2-protocol-tunneling vlan	<get-l2pt-vlan-information>	<layer2-protocol-tunneling-vlan-information>
show ethernet-switching mac-learning-log	<get-ethernet-switching-log-information>	<ethernet-switching-mac-log-information>
show ethernet-switching mac-notification	<get-ethernet-switching-mac-notification-information>	<ethernet-switching-mac-notification-information>
show ethernet-switching next-hops	<get-ethernet-switching-next-hop-information>	<ethernet-switching-next-hop-information>
show ethernet-switching statistics aging	<get-ethernet-switching-aging-statistics>	<ethernet-switching-statistics>
show ethernet-switching statistics mac-learning	<get-ethernet-switching-mac-learning-statistics>	<ethernet-switching-statistics>
show ethernet-switching table	<get-ethernet-switching-table-information>	<ethernet-switching-table-information>
show ethernet-switching table interface	<get-interface-ethernet-switching-table>	<ethernet-switching-table-information>
show ethernet-switching table management-vlan	<get-management-vlan-ethernet-switching-table>	<ethernet-switching-table-information>

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show ethernet-switching table vlan	<get-vlan-ethernet-switching-table>	<ethernet-switching-table-information>
show fip snooping	<get-fip-snooping>	<fip-snooping-information>
show fip snooping enode	<get-fip-snooping-enode>	<fip-snooping-enode-information>
show fip snooping fcf	<get-fip-snooping-fcf>	<fip-snooping-fcf-information>
show fip snooping statistics	<get-fip-snooping-statistics>	<fip-snooping-statistics>
show fip snooping vlan	<get-fip-snooping-vlan>	<fip-snooping-information>
show gvrp	<get-gvrp-information>	<gvrp-information>
show igmp-snooping flows	<get-igmp-snooping-flow-information>	<igmp-snooping-flow-information>
show igmp-snooping membership	<get-igmp-snooping-membership-information>	<igmp-snooping-membership-information>
show igmp-snooping route	<get-igmp-snooping-routing-information>	<igmp-snooping-routing-information>
show igmp-snooping statistics	<get-igmp-snooping-statistics-information>	<igmp-snooping-statistics-information>
show igmp-snooping task	<get-igmp-snooping-task-information>	<task-summary-information>
show igmp-snooping task accounting	<get-igmp-snooping-task-accounting>	<task-accounting-information>
show igmp-snooping task io	<get-igmp-snooping-task-io>	<task-io-information>
show igmp-snooping task jobs	<get-igmp-snooping-task-jobs>	<task-jobs-information>
show igmp-snooping task memory	<get-igmp-snooping-task-memory>	<task-memory-information>
show igmp-snooping task statistics	<get-igmp-snooping-task-statistics>	<task-statistics-information>
show igmp-snooping task timers	<get-igmp-snooping-task-timers>	<task-timer-information>
show igmp-snooping vlans	<get-igmp-snooping-vlan-information>	<igmp-snooping-vlan-information>
show ip-source-guard	<get-ip-source-guard-information>	<ip-source-guard>

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show isdn calls	<get-isdn-calls>	<isdn-calls>
show isdn history	<get-isdn-call-history>	<isdn-call-history>
show isdn q921 statistics	<get-isdn-q921-statistics>	<q921-statistics>
show isdn q931 statistics	<get-isdn-q931-statistics>	<q931-statistics>
show isdn status	<get-isdn-status>	<isdn-status>
show lldp	<get-lldp-information>	<lldp-information>
show lldp detail	<get-lldp-information-detail>	<lldp-information-detail>
show lldp local-information	<get-lldp-local-info>	<lldp-local-info>
show lldp neighbors	<get-lldp-neighbors-information>	<lldp-neighbors-information>
show lldp remote-global-statistics	<get-lldp-remote-global-statistics>	<lldp-remote-global-statistics>
show lldp statistics	<get-lldp-statistics-information>	<lldp-statistics-information>
show modem wireless interface	<get-modem-wireless-interface>	<wwand-modem-wireless-interface>
show mvrp	<get-mvrp-information>	<mvrp-information>
show mvrp dynamic-vlan-memberships	<get-mvrp-dynamic-vlan-memberships>	<mvrp-dynamic-vlan-memberships>
show mvrp statistics	<get-mvrp-stats>	<mvrp-stats>
show mvrp statistics interface	<get-mvrp-stats-intf>	<mvrp-stats-intf>
show poe controller	<get-poe-controller-information>	<poe-controller-information>
show poe fpc	<get-poe-fpc-information>	<poe-fpc-information>
show poe interface	<get-poe-interface-information>	<interface-information>
show poe notification-control	<get-poe-notifications>	<poe-notification-information>
show poe telemetries interface	<get-telemetries-information>	<telemetries-information>

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show redundant-trunk-group	<get-rtg-information>	<rtg-information>
show redundant-trunk-group group-name	<get-rtg-information-pergrp>	<rtg-information-pergrp>
show schedulers	<get-schedulers>	<schedulers>
show security alg h323 counters	<get-alg-h323-counters>	<alg-h323-counters>
show security alg ike-esp-nat	<show-alg-ike-esp-state>	<alg-ike-esp-show>
show security alg ike-esp-nat summary	<show-alg-ike-esp-summary>	<alg-ike-esp-show-summary>
show security alg mgcp calls	<get-alg-mgcp-call-information>	<alg-mgcp-call-information>
show security alg mgcp counters	<get-alg-mgcp-counter-information>	<alg-mgcp-counter-information>
show security alg mgcp endpoints	<get-alg-mgcp-endpoint-information>	<alg-mgcp-endpoint-information>
show security alg msrpc object-id-map	<get-alg-msrpc-uuid2oid-table>	<alg-msrpc-uuid2oid-table>
show security alg sccp calls	<get-alg-sccp-calls>	<alg-sccp-calls>
show security alg sccp counters	<get-alg-sccp-counters>	<alg-sccp-counters>
show security alg sip calls	<get-alg-sip-call-information>	<alg-sip-call-information>
show security alg sip counters	<get-alg-sip-counter-information>	<alg-sip-counter-information>
show security alg sip rate	<get-alg-sip-rate-information>	<alg-sip-rate-information>
show security alg status	<get-alg-status>	<alg-status>
show security application-firewall rule-set	<get-appfw-rule-set>	<security-appfw-rule-set>

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show security application-tracking counters	<get-avt-counters>	<avt-counters>
show security datapath-debug action-profile	<get-eeedebug-action-profile>	<eeedebug-all-action-profile>
show security datapath-debug capture	<show-eeedebug-capture>	<eeedebug-capture-output>
show security datapath-debug counters	<get-eeedebug-counters>	<eeedebug-all-counters>
show security datapath-debug events	<get-eeedebug-events>	<eeedebug-all-events>
show security dynamic-policies	<get-firewall-dynamic-policies>	<security-dynamic-policies>
show security dynamic-vpn client version	<get-client-version>	<dvpn-client-version>
show security dynamic-vpn users	<get-user-connection>	<dvpn-users-information>
show security firewall-authentication history	<get-firewall-authentication-history>	<firewall-authentication-history>
show security firewall-authentication users	<get-firewall-authentication-users>	<firewall-authentication-users>
show security flow cp-session	<get-flow-cp-session>	<flow-cp-session>
show security flow gate	<get-flow-gate-information>	<flow-gate-information>
show security flow ip-action	<get-flow-ipaction-information>	<flow-ipaction-information>
show security flow ip-action all	<get-flow-ipaction-information-all>	<flow-ipaction-information>
show security flow session	<get-flow-session-information>	<flow-session-information>
show security flow session session-identifier	<get-flow-session-by-identifier>	<flow-session-information>

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show security flow statistics	<get-flow-statistics-all>	<flow-statistics-all>
show security flow status	<get-flow-status-all>	<flow-status-all>
show security group-vpn member ike security-associations	<get-gvpn-ike-security-associations-information>	<ike-security-associations-information>
show security group-vpn member ipsec security-associations	<get-gvpn-security-associations-information>	<security-associations-information>
show security group-vpn member ipsec statistics	<get-gvpn-ipsec-statistics-information>	<usp-ipsec-total-statistics-information>
show security group-vpn member kek security-associations	<get-gvpn-kek-security-associations-information>	<ike-security-associations-information>
show security group-vpn server ike security-associations	<get--security-group-vpn-server-ike-security-associations-information>	<-security-group-vpn-server-ike-security-associations-information>
show security group-vpn server ipsec security-associations	<get--security-group-vpn-server-security-information>	<-security-group-vpn-server-security-information>
show security group-vpn server kek security-associations	<get--security-group-vpn-server-kek-sa>	<-security-group-vpn-server-kek-sa>
show security group-vpn server registered-members	<get--security-group-vpn-server-registered-members>	<-security-group-vpn-server-registered-members>
show security ike active-peer	<get-ike-active-peers-information>	<ike-active-peers-information>
show security ike pre-shared-key	<get-pre-shared-key>	<NONE>
show security ike security-associations	<get-ike-security-associations-information>	<ike-security-associations-information>
show security ipsec next-hop-tunnels	<get-ipsec-next-hop-tunnel-information>	<usp-ipsec-next-hop-tunnel-information>
show security ipsec security-associations	<get-security-associations-information>	<security-associations-information>

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show security ipsec statistics	<get-ipsec-statistics-information>	<usp-ipsec-total-statistics-information>
show security match-policies	<match-firewall-policies>	<security-policy-match>
show security match-policies global	<match-global-policies>	<global-policy-match>
show security monitoring fpc	<get-spu-monitoring-information>	<spu-monitroing-information>
show security monitoring performance session	<get-performance-session-information>	<performance-session-information>
show security monitoring performance spu	<get-performance-spu-information>	<performance-spu-information>
show security nat destination pool	<get-destination-nat-pool-information>	<destination-nat-pool-information>
show security nat destination rule	<get-destination-nat-rule-sets-information>	<destination-nat-rule-sets>
show security nat destination summary	<retrieve-destination-nat-summary-information>	<destination-nat-summary-information>
show security nat interface-nat-ports	<get-interface-nat-ports-information>	<interface-nat-ports-information>
show security nat source persistent-nat-table all	<get-persist-nat-all>	<persist-nat-all>
show security nat source persistent-nat-table interface	<get-persist-nat-interface-information>	<source-nat-summary>
show security nat source persistent-nat-table internal-ip	<retrieve-persist-nat-ip-port-information>	<persist-nat-ip-port-information>
show security nat source persistent-nat-table pool	<retrieve-persist-nat-pool-information>	<persist-nat-pool-information>
show security nat source persistent-nat-table summary	<get-persist-nat-sum>	<persist-nat-sum>



**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show security nat source pool	<retrieve-source-nat-pool-information>	<source-nat-pool-information>
show security nat source rule	<get-source-nat-rule-sets-information>	<source-nat-rule-sets-information>
show security nat source summary	<retrieve-source-nat-summary>	<source-nat-summary>
show security nat static rule	<get-static-nat-rule-information>	<static-nat-rule-information>
show security policies	<get-firewall-policies>	<security-policies>
show security policies global	<get-global-firewall-policies>	<security-global-policies>
show security resource-manager group active	<get-resmgr-group-active>	<resmgr-group-active>
show security resource-manager resource active	<get-resmgr-resource-active>	<resmgr-resource-active>
show security resource-manager settings	<get-resmgr-settings>	<resmgr-settings>
show security resource-manager summary	<get-resource-manager-summary>	<resource-manager-summary-information>
show security screen statistics	<get-ids-statistics>	<ids-statistics>
show security softwires	<show-ds-lite-software-sc-information>	<ds-lite-software-sc-information>
show security softwires software-name	<show-ds-lite-software-one-sc-information>	<ds-lite-software-one-sc-information>
show security utm anti-spam	<show-anti-spam>	<NONE>
show security utm anti-spam statistics	<show-anti-spam-statistics>	<anti-spam-statistics>
show security utm anti-spam status	<show-anti-spam-status>	<anti-spam-status>

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show security utm anti-virus	<show-anti-virus>	<NONE>
show security utm anti-virus statistics	<show-anti-virus-statistics>	<anti-virus-statistics>
show security utm anti-virus status	<show-anti-virus-status>	<anti-virus-status>
show security utm anti-virus status detail	<show-anti-virus-status-detail>	<anti-virus-status-detail>
show security utm content-filtering	<show-content-filtering>	<NONE>
show security utm content-filtering statistics	<show-content-filtering-statistics>	<show-content-filtering-statistics>
show security utm session	<show-utmd-session>	<utmd-session>
show security utm status	<show-utmd-status>	<utmd-status>
show security utm web-filtering	<show-web-filtering>	<NONE>
show security utm web-filtering statistics	<show-web-filtering-statistics>	<web-filtering-statistics>
show security utm web-filtering status	<show-web-filtering-status>	<web-filtering-status>
show security zones	<get-zones-information>	<zones-information>
show services unified-access-control authentication-table	<get-uac-auth-table>	<uac-auth-table>
show services unified-access-control policies	<get-uac-policies>	<uac-policies>
show services unified-access-control status	<get-uac-status>	<uac-status>
show smtp servers	<get-smtp-configuration>	<smtp-configuration>
show smtp statistics	<get-smtp-statistics>	<smtp-statistics>

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show spanning-tree bridge	<get-stp-bridge-information>	<stp-bridge-information>
show spanning-tree interface	<get-stp-bridge-interface-information>	<stp-bridge-interface-information>
show spanning-tree mstp configuration	<get-mstp-bridge-configuration-information>	<mstp-bridge-configuration-information>
show spanning-tree statistics interface	<get-stp-statistics-interface-information>	<stp-statistics-interface-information>
show spanning-tree statistics vlan	<get-stp-vlan-interface-statistics>	<stp-vlan-interface-statistics>
show system autoinstallation status	<get-autoinstallation-status-information>	<autoinstallation-status-information>
show system license status	<get-lsys-license-status>	<lsys-license-status>
show system security-profile address-book	<get-security-profile-address-book-information>	<security-profile-address-book-information>
show system security-profile all-resource	<get-security-profile-all-resource-information>	<security-profile-all-resource-information>
show system security-profile auth-entry	<get-security-profile-auth-entry-information>	<security-profile-auth-entry-information>
show system security-profile cpu	<get-security-profile-cpu-information>	<security-profile-cpu-information>
show system security-profile flow-gate	<get-security-profile-flow-gate-information>	<security-profile-flow-gate-information>
show system security-profile flow-session	<get-security-profile-flow-session-information>	<security-profile-flow-session-information>
show system security-profile nat-cone-binding	<get-security-profile-nat-cone-binding-information>	<security-profile-nat-cone-binding-information>
show system security-profile nat-destination-pool	<get-security-profile-nat-destination-pool-information>	<security-profile-nat-destination-pool-information>

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show system security-profile nat-destination-rule	<get-security-profile-nat-destination-rule-information>	<security-profile-nat-destination-rule-information>
show system security-profile nat-nopat-address	<get-security-profile-nat-source-nopat-address-information>	<security-profile-nat-source-nopat-address-information>
show system security-profile nat-pat-address	<get-security-profile-nat-source-pat-address-information>	<security-profile-nat-source-pat-address-information>
show system security-profile nat-port-ol-ipnumber	<get-security-profile-nat-port-overloading-ip-number-information>	<security-profile-nat-port-overloading-ip-number-information>
show system security-profile nat-rule-referenced-prefix	<get-security-profile-nat-rule-referenced-prefix-information>	<security-profile-nat-rule-referenced-prefix-information>
show system security-profile nat-source-pool	<get-security-profile-nat-source-pool-information>	<security-profile-nat-source-pool-information>
show system security-profile nat-source-rule	<get-security-profile-nat-source-rule-information>	<security-profile-nat-source-rule-information>
show system security-profile nat-static-rule	<get-security-profile-nat-static-rule-information>	<security-profile-nat-static-rule-information>
show system security-profile policy	<get-security-profile-policy-information>	<security-profile-policy-information>
show system security-profile policy-with-count	<get-security-profile-policy-with-count-information>	<security-profile-policy-with-count-information>
show system security-profile scheduler	<get-security-profile-scheduler-information>	<security-profile-scheduler-information>
show system security-profile zone	<get-security-profile-zone-information>	<security-profile-zone-information>
show system services dhcp binding	<get-dhcp-binding-information>	<dhcp-binding-information>

**Table 7: Mapping of CLI Commands to Junos XML Operational Tag Elements and Perl Methods (J Series and SRX Series) (continued)**

CLI Command	Request Tag Element and Perl Method	Response Tag Element
show system services dhcp client	<get-dhcp-client-information>	<dhcp-client-information>
show system services dhcp conflict	<get-dhcp-conflict-information>	<dhcp-conflict-information>
show system services dhcp global	<get-dhcp-global-information>	<dhcp-global-information>
show system services dhcp pool	<get-dhcp-pool-information>	<dhcp-pool-information>
show system services dhcp relay-statistics	<get-dhcp-helper-statistics>	<dhcp-helper-statistics>
show system services dhcp statistics	<get-dhcp-statistics-information>	<dhcp-statistics-information>
show tgm dynamic-call-admission-control	<get-tgm-dynamic-cac-information>	<tgm-dynamic-cac-information>
show tgm fpc	<get-tgm-information>	<tgm-information>
show tgm telephony-interface-module	<get-tgm-telephony-interface-module-status>	<telephony-interface-module-status-information>
show vlans	<get-vlan-information>	<vlan-information>
show wan-acceleration status	<get-wx-status>	<wx-status>
show wlan access-points	<get-wlan-access-points-list>	<wlan-access-points-list>
test security utm anti-spam	<test-anti-spam-profile>	<anti-spam-test>
test security utm anti-virus	<test-anti-virus-profile>	<anti-virus-test>
test security utm web-filtering	<test-web-filtering-profile>	<web-filtering-test>



## PART 2

# Summary of Operational Request Tag Elements

- [Operational Request Tag Elements Applicable to All Platforms on page 237](#)
- [Operational Request Tag Elements Common to EX Series, M, MX, and T Series, and QFX Series on page 243](#)
- [Operational Request Tag Elements Common to J Series, EX Series, QFX Series, and SRX Series on page 251](#)
- [Operational Request Tag Elements Specific to M, MX, and T Series on page 283](#)
- [Operational Request Tag Elements Specific to EX Series and QFX Series on page 1347](#)
- [Operational Request Tag Elements Specific to J Series and SRX Series on page 1369](#)





## CHAPTER 4

# Operational Request Tag Elements Applicable to All Platforms

This chapter lists the Junos Extensible Markup Language (XML) tag elements that a client of the Junos XML protocol or NETCONF server uses to request operational information. The tag names are in alphabetical order. For information about the notation used in this chapter, see [Table 2 on page cccxxxix](#).

The tags listed in this chapter are applicable to devices belonging to:

- EX Series
- J Series
- M Series
- MX Series
- T Series
- QFX Series
- SRX Series

### <clear-dhcp-binding-information>

---

#### Usage

```
<rpc>
  <clear-dhcp-binding-information>
    <address>address</address>
  </clear-dhcp-binding-information>
</rpc>
```

**Description** Clear DHCP client binding information

**Contents** <address>—Address of DHCP client binding

## <clear-dhcp-conflict-information>

---

**Usage**

```
<rpc>
  <clear-dhcp-conflict-information>
    <address>address</address>
  </clear-dhcp-conflict-information>
</rpc>
```

**Description** Clear DHCP address conflict

**Contents** <address>—DHCP conflict address

## <clear-dhcp-statistics-information>

---

**Usage**

```
<rpc>
  <clear-dhcp-statistics-information/>
</rpc>
```

**Description** Clear DHCP statistics

## <clear-dot1x-mac-session>

---

**Usage**

```
<rpc>
  <clear-dot1x-mac-session>
    <static-mac-addr>static-mac-addr</static-mac-addr>
  </clear-dot1x-mac-session>
</rpc>
```

**Description** Clear 802.1X session on a MAC address

**Contents** <static-mac-addr>—MAC address to clear

## <get-dhcp-binding-information>

---

**Usage**

```
<rpc>
  <get-dhcp-binding-information>
    <detail/>
    <address>address</address>
  </get-dhcp-binding-information>
</rpc>
```

**Description** Show DHCP client binding information

**Contents** <detail>—Display detailed information  
<address>—Address of DHCP client binding

---

### <get-dhcp-conflict-information>

---

**Usage**

```
<rpc>  
  <get-dhcp-conflict-information/>  
</rpc>
```

**Description** Show DHCP address conflict

---

### <get-dhcp-global-information>

---

**Usage**

```
<rpc>  
  <get-dhcp-global-information/>  
</rpc>
```

**Description** Show DHCP global scope information

---

### <get-dhcp-pool-information>

---

**Usage**

```
<rpc>  
  <get-dhcp-pool-information>  
    <detail/>  
    <subnet-address>subnet-address</subnet-address>  
  </get-dhcp-pool-information>  
</rpc>
```

**Description** Show DHCP address pool information

**Contents** <detail>—Display detailed information  
<subnet-address>—Logical subnet of address pool

---

### <get-dhcp-statistics-information>

---

**Usage**

```
<rpc>  
  <get-dhcp-statistics-information/>
```

```
</rpc>
```

**Description** Show DHCP statistics

---

### <get-dot1x-authentication-failed-users>

---

**Usage**

```
<rpc>  
  <get-dot1x-authentication-failed-users/>  
</rpc>
```

**Description** List users who have failed 802.1X authentication

---

### <get-dot1x-interface-information>

---

**Usage**

```
<rpc>  
  <get-dot1x-interface-information>  
    <brief/>  
    <detail/>  
    <interface-name>interface-name</interface-name>  
  </get-dot1x-interface-information>  
</rpc>
```

**Description** Show 802.1X interface information

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<interface-name>—Name of interface

---

### <get-dot1x-interface-mac-addresses>

---

**Usage**

```
<rpc>  
  <get-dot1x-interface-mac-addresses>  
    <interface-name>interface-name</interface-name>  
  </get-dot1x-interface-mac-addresses>  
</rpc>
```

**Description** Show 802.1X static MAC addresses on this interface

**Contents** <interface-name>—Show static MAC addresses of interface

## <get-dot1x-static-mac-addresses>

---

**Usage**

```
<rpc>  
  <get-dot1x-static-mac-addresses>  
  </get-dot1x-static-mac-addresses>  
</rpc>
```

**Description** Show 802.1X static MAC addresses

**Contents** <get-dot1x-interface-mac-addresses>—Show 802.1X static MAC addresses on this interface

## <get-lldp-information>

---

**Usage**

```
<rpc>  
  <get-lldp-information>  
  </get-lldp-information>  
</rpc>
```

**Description** Show Link Layer Discovery Protocol information

**Contents** <get-lldp-information-detail>—Show detailed LLDP information

<get-lldp-neighbors-information>—Show LLDP neighbor information

<get-lldp-statistics-information>—Show LLDP statistics

<get-lldp-local-info>—Show LLDP information of local device

<get-lldp-remote-global-statistics>—Show LLDP remote global statistics information

## <get-lldp-information-detail>

---

**Usage**

```
<rpc>  
  <get-lldp-information-detail/>  
</rpc>
```

**Description** Show detailed LLDP information

## <get-lldp-local-info>

---

**Usage**

```
<rpc>  
  <get-lldp-local-info/>
```

</rpc>

**Description** Show LLDP information of local device

## <get-lldp-remote-global-statistics>

---

### Usage

```
<rpc>
  <get-lldp-remote-global-statistics/>
</rpc>
```

**Description** Show LLDP remote global statistics information

## <get-lldp-statistics-information>

---

### Usage

```
<rpc>
  <get-lldp-statistics-information>
  </get-lldp-statistics-information>
</rpc>
```

**Description** Show LLDP statistics

**Contents** <interface>—Show LLDP statistics for this interface

## CHAPTER 5

# Operational Request Tag Elements Common to EX Series, M, MX, and T Series, and QFX Series

This chapter lists the Junos Extensible Markup Language (XML) tag elements that a client of the Junos XML protocol or NETCONF server uses to request operational information. The tag names are in alphabetical order. For information about the notation used in this chapter, see [Table 2 on page cccxxxix](#).

The tags listed in this chapter are common to devices belonging to:

- EX Series
- M Series
- MX Series
- T Series
- QFX Series

### <get-certificates-information>

---

#### Usage

```
<rpc>
  <get-certificates-information>
    <brief/>
    <detail/>
    <serial-number>serial-number</serial-number>
  </get-certificates-information>
</rpc>
```

**Description** Show IPSec digital certificate information

**Contents** <brief>—Display brief output

<detail>—Display detailed output

<serial-number>—Serial number of certificate

<get-crl-information>—Show IPSec digital certificate revocation lists

---

## <get-crl-information>

### Usage

```
<rpc>
  <get-crl-information>
    <brief/>
    <detail/>
    <crl-name>crl-name</crl-name>
  </get-crl-information>
</rpc>
```

**Description** Show IPSec digital certificate revocation lists

**Contents** <brief>—Display brief output  
<detail>—Display detailed output  
<crl-name>—Name of CRL

---

## <get-filter-version>

### Usage

```
<rpc>
  <get-filter-version>
    <filtername>filtername</filtername>
  </get-filter-version>
</rpc>
```

**Description** Show filter version installed

**Contents** <filtername>—Filter name

---

## <get-fips-pic-status-information>

### Usage

```
<rpc>
  <get-fips-pic-status-information/>
</rpc>
```

**Description** Show FIPS PIC authorization status



## <get-firewall-counter-information>

### Usage

```

<rpc>
  <get-firewall-counter-information>
    <countername>countername</countername> <!-- mandatory -->
    <filter>filter</filter> <!-- mandatory -->
    <application>application</application>
    <logical-system>logical-system</logical-system>
  </get-firewall-counter-information>
</rpc>

```

**Description** Counter name

**Contents** <countername>—Counter name

- cfm - Statistics for implicit filters for CFM

<filter>—Filter name

- cfm - Statistics for implicit filters for CFM

<application>—Owner application

- cfm - Statistics for implicit filters for CFM

<logical-system>—Name of logical system, or 'all'

## <get-firewall-filter-information>

### Usage

```

<rpc>
  <get-firewall-filter-information>
    <filtername>filtername</filtername> <!-- mandatory -->
    <counter>counter</counter>
    <application>application</application>
    <logical-system>logical-system</logical-system>
  </get-firewall-filter-information>
</rpc>

```

**Description** Filter name

**Contents** <get-filter-version>—Show filter version installed

- cfm - Statistics for implicit filters for CFM

<filtername>—Filter name

- cfm - Statistics for implicit filters for CFM

<counter>—Counter name

- cfm - Statistics for implicit filters for CFM

<application>—Owner application

- cfm - Statistics for implicit filters for CFM

<logical-system>—Name of logical system, or 'all'

---

## <get-firewall-information>

---

### Usage

```
<rpc>
  <get-firewall-information>
    <application>application</application>
    <logical-system>logical-system</logical-system>
    <terse/>
  </get-firewall-information>
</rpc>
```

**Description** Show firewall information

**Contents** <application>—Owner application

- cfm - Statistics for implicit filters for CFM

<logical-system>—Name of logical system, or 'all'

<get-firewall-counter-information>—Counter name

<get-firewall-filter-information>—Filter name

<get-firewall-log-information>—Show log entries for firewall activity

<get-firewall-prefix-action-information>—Show prefix-action statistics for a filter

<terse>—Show filter names only

---

## <get-firewall-log-information>

---

### Usage

```
<rpc>
  <get-firewall-log-information>
    <get-firewall-log-detailed-information/>
    <interface>interface</interface>
    <logical-system>logical-system</logical-system>
  </get-firewall-log-information>
```

</rpc>

**Description** Show log entries for firewall activity

**Contents** <get-firewall-log-detailed-information>—Display detailed output  
  
<interface>—Interface name  
  
<logical-system>—Name of logical system, or 'all'

---

### <get-firewall-prefix-action-information>

---

**Usage**

```
<rpc>
  <get-firewall-prefix-action-information>
    <filter>filter</filter> <!-- mandatory -->
    <prefix-action>prefix-action</prefix-action> <!-- mandatory -->
    <from>from</from>
    <to>to</to>
    <logical-system>logical-system</logical-system>
  </get-firewall-prefix-action-information>
</rpc>
```

**Description** Show prefix-action statistics for a filter

**Contents** <filter>—Filter name  
  
<prefix-action>—Prefix-action name  
  
<from>—Starting counter or policer  
  
<to>—Ending counter or policer  
  
<logical-system>—Name of logical system, or 'all'

---

### <get-ike-security-associations-information>

---

**Usage**

```
<rpc>
  <get-ike-security-associations-information>
    <brief/>
    <detail/>
    <peer-address>peer-address</peer-address>
  </get-ike-security-associations-information>
</rpc>
```

**Description** Show IKE security association information

**Contents**    <brief>—Show brief output (default)  
                 <detail>—Show detailed output  
                 <peer-address>—Name of security association

---

## <get-ike-services-security-associations-information>

---

### Usage

```
<rpc>
  <get-ike-services-security-associations-information>
    <brief/>
    <detail/>
    <peer-address>peer-address</peer-address>
  </get-ike-services-security-associations-information>
</rpc>
```

**Description**    Show services IKE security association information

**Contents**    <brief>—Show brief output (default)  
                 <detail>—Show detailed output  
                 <peer-address>—Name of security association

---

## <get-ipsec-pic-redundancy-information>

---

### Usage

```
<rpc>
  <get-ipsec-pic-redundancy-information>
    <interface-name>interface-name</interface-name>
  </get-ipsec-pic-redundancy-information>
</rpc>
```

**Description**    Show ES PIC redundancy information

**Contents**    <interface-name>—Name of ES interface

---

## <get-ipsec-tunnel-redundancy-information>

---

### Usage

```
<rpc>
  <get-ipsec-tunnel-redundancy-information>

  <security-association-name>security-association-name</security-association-name>

  </get-ipsec-tunnel-redundancy-information>
</rpc>
```

**Description** Show remote tunnel redundancy information

**Contents** <security-association-name>—Name of security association

### <get-security-associations-information>

---

**Usage**

```
<rpc>
  <get-security-associations-information>
    <brief/>
    <detail/>
    <sa-name>sa-name</sa-name>
  </get-security-associations-information>
</rpc>
```

**Description** Show IPSec security association information

**Contents** <brief>—Display brief output

<detail>—Display detailed output

<sa-name>—Name of security association

### <get-services-ipsec-statistics-information>

---

**Usage**

```
<rpc>
  <get-services-ipsec-statistics-information>
    <remote-gw>remote-gw</remote-gw>
    <detail/>
    <brief/>
    <service-set>service-set</service-set>
  </get-services-ipsec-statistics-information>
</rpc>
```

**Description** Show IPSec statistics

**Contents** <remote-gw>—Peer address to use as filter

<detail>—Display all tunnels

<brief>—Display accumulated statistics (default)

<service-set>—Name of service set

## **<get-services-security-associations-information>**

---

### **Usage**

```
<rpc>
  <get-services-security-associations-information>
    <brief/>
    <detail/>
    <extensive/>
    <service-set>service-set</service-set>
  </get-services-security-associations-information>
</rpc>
```

**Description** Show IPSec security association information

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

<service-set>—Restrict output to one service set

## CHAPTER 6

# Operational Request Tag Elements Common to J Series, EX Series, QFX Series, and SRX Series

This chapter lists the Junos Extensible Markup Language (XML) tag elements that a client of the Junos XML protocol or NETCONF server uses to request operational information. The tag names are in alphabetical order. For information about the notation used in this chapter, see [Table 2 on page cccxxxix](#).

The tags listed in this chapter are common to devices belonging to:

- J Series
- EX Series
- QFX Series
- SRX Series

### <clear-arp-inspection-statistics>

---

#### Usage

```
<rpc>
  <clear-arp-inspection-statistics>
    <interface>interface</interface>
  </clear-arp-inspection-statistics>
</rpc>
```

**Description** Clear ARP inspection statistics

**Contents** <interface>—Interface for which statistics are to be cleared

### <clear-dhcp-snooping>

---

#### Usage

```
<rpc>
  <clear-dhcp-snooping>
    <vlan>vlan</vlan>
  </clear-dhcp-snooping>
</rpc>
```

```
<mac>mac</mac>
</clear-dhcp-snooping>
</rpc>
```

**Description** Clear DHCP snooping database

**Contents** <vlan>—Name of VLAN  
            <mac>—MAC address

---

### <clear-dhcp-snooping-statistics>

---

**Usage**

```
<rpc>
<clear-dhcp-snooping-statistics/>
</rpc>
```

**Description** Clear DHCP snooping statistics

---

### <clear-dot1x-firewall>

---

**Usage**

```
<rpc>
<clear-dot1x-firewall>
  <counter-name>counter-name</counter-name>
</clear-dot1x-firewall>
</rpc>
```

**Description** Clear dot1x firewall statistics for a counter

**Contents** <clear-dot1x-firewall-interface>—Clear firewall statistics on this interface  
            <counter-name>—Clear firewall statistics for this counter

---

### <clear-dot1x-firewall-interface>

---

**Usage**

```
<rpc>
<clear-dot1x-firewall-interface>
  <interface-name>interface-name</interface-name>
</clear-dot1x-firewall-interface>
</rpc>
```

**Description** Clear firewall statistics on this interface

**Contents** <interface-name>—Name of interface



### <clear-dot1x-interface-session>

---

**Usage**

```
<rpc>
  <clear-dot1x-interface-session>
    <interface-name>interface-name</interface-name>
  </clear-dot1x-interface-session>
</rpc>
```

**Description** Clear 802.1X session on an interface

**Contents** <interface-name>—Name of interface

### <clear-dot1x-statistics>

---

**Usage**

```
<rpc>
  <clear-dot1x-statistics>
  </clear-dot1x-statistics>
</rpc>
```

**Description** Clear 802.1X statistics on an interface

**Contents** <clear-dot1x-statistics-interface>—Clear 802.1X statistics on this interface

### <clear-dot1x-statistics-interface>

---

**Usage**

```
<rpc>
  <clear-dot1x-statistics-interface>
    <interface-name>interface-name</interface-name>
  </clear-dot1x-statistics-interface>
</rpc>
```

**Description** Clear 802.1X statistics on this interface

**Contents** <interface-name>—Name of interface

### <clear-ethernet-switching-bpdu-error>

---

**Usage**

```
<rpc>
  <clear-ethernet-switching-bpdu-error>
    <interface>interface</interface>
  </clear-ethernet-switching-bpdu-error>
```

```
</rpc>
```

**Description** Clear BPDU error (BPDU Protect)

**Contents** <interface>—Clear BPDU error on an interface (BPDU Protect)

---

### <clear-ethernet-switching-mac-learning-log>

---

**Usage**

```
<rpc>  
  <clear-ethernet-switching-mac-learning-log/>  
</rpc>
```

**Description** Clear all MAC address learning log

---

### <clear-ethernet-switching-mac-learning-statistics>

---

**Usage**

```
<rpc>  
  <clear-ethernet-switching-mac-learning-statistics>  
    <interface>interface</interface>  
  </clear-ethernet-switching-mac-learning-statistics>  
</rpc>
```

**Description** Clear media access control learning statistics

**Contents** <interface>—Clear MAC learning statistics for a specified interface

---

### <clear-ethernet-switching-port-error>

---

**Usage**

```
<rpc>  
  <clear-ethernet-switching-port-error>  
    <interface>interface</interface>  
  </clear-ethernet-switching-port-error>  
</rpc>
```

**Description** Clear port errors

**Contents** <interface>—Clear port errors on an interface

---

### <clear-ethernet-switching-statistics-aging>

---

**Usage**

```
<rpc>
```

```
<clear-ethernet-switching-statistics-aging/>
</rpc>
```

**Description** Clear media access control aging statistics

---

## <clear-ethernet-switching-table>

---

### Usage

```
<rpc>
<clear-ethernet-switching-table>
  <interface>interface</interface>
  <vlan>vlan</vlan>
  <mac>mac</mac>
</clear-ethernet-switching-table>
</rpc>
```

**Description** Clear all learned MAC addresses

**Contents** <interface>—Name of interface

<vlan>—Name of VLAN

<mac>—MAC address

<clear-ethernet-switching-table-management-vlan>—Management VLAN

---

## <clear-ethernet-switching-table-management-vlan>

---

### Usage

```
<rpc>
<clear-ethernet-switching-table-management-vlan/>
</rpc>
```

**Description** Management VLAN

---

## <clear-fip-snooping-enode>

---

### Usage

```
<rpc>
<clear-fip-snooping-enode>
  <mac>mac</mac> <!-- mandatory -->
  <vlan>vlan</vlan>
</clear-fip-snooping-enode>
</rpc>
```

**Description** Clear all FIP snooping session for this Enode

**Contents**    <mac>—Enode MAC address  
                 <vlan>—Name of VLAN

---

### <clear-fip-snooping-statistics>

---

**Usage**

```
<rpc>  
  <clear-fip-snooping-statistics>  
    <vlan>vlan</vlan>  
  </clear-fip-snooping-statistics>  
</rpc>
```

**Description**    Clear FIP snooping statistics

**Contents**    <vlan>—Name of VLAN

---

### <clear-fip-snooping-vlan>

---

**Usage**

```
<rpc>  
  <clear-fip-snooping-vlan>  
    <vlan>vlan</vlan> <!-- mandatory -->  
  </clear-fip-snooping-vlan>  
</rpc>
```

**Description**    Clear FIP snooping database for this VLAN

**Contents**    <vlan>—Name of VLAN

---

### <clear-igmp-snooping>

---

**Usage**

```
<rpc>  
  <clear-igmp-snooping>  
  </clear-igmp-snooping>  
</rpc>
```

**Description**    Clear IGMP snooping information

**Contents**    <clear-igmp-snooping-membership>—Clear IGMP snooping database  
                 <clear-igmp-snooping-statistics>—Clear IGMP snooping statistics

## <clear-igmp-snooping-membership>

---

**Usage**

```
<rpc>
  <clear-igmp-snooping-membership>
    <vlan>vlan</vlan>
  </clear-igmp-snooping-membership>
</rpc>
```

**Description** Clear IGMP snooping database

**Contents** <vlan>—Name of VLAN

## <clear-igmp-snooping-statistics>

---

**Usage**

```
<rpc>
  <clear-igmp-snooping-statistics/>
</rpc>
```

**Description** Clear IGMP snooping statistics

## <clear-l2pt-error>

---

**Usage**

```
<rpc>
  <clear-l2pt-error>
    <interface>interface</interface>
  </clear-l2pt-error>
</rpc>
```

**Description** Clear layer2 protocol tunneling errors

**Contents** <interface>—Name of interface

## <clear-l2pt-interface-statistics>

---

**Usage**

```
<rpc>
  <clear-l2pt-interface-statistics>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </clear-l2pt-interface-statistics>
</rpc>
```

**Description** Clear Layer2 protocol tunneling statistics for interface

**Contents** <interface-name>—Name of interface

---

## <clear-l2pt-statistics>

### Usage

```
<rpc>
  <clear-l2pt-statistics>
</clear-l2pt-statistics>
</rpc>
```

**Description** Clear layer2 protocol tunneling statistics

**Contents** <clear-l2pt-interface-statistics>—Clear Layer2 protocol tunneling statistics for interface  
<clear-l2pt-vlan-statistics>—Clear Layer2 protocol tunneling statistics for vlans

---

## <clear-l2pt-vlan-statistics>

### Usage

```
<rpc>
  <clear-l2pt-vlan-statistics>
    <vlan-name>vlan-name</vlan-name> <!-- mandatory -->
  </clear-l2pt-vlan-statistics>
</rpc>
```

**Description** Clear Layer2 protocol tunneling statistics for vlans

**Contents** <vlan-name>—Name of VLAN

---

## <clear-multicast-route-counter>

### Usage

```
<rpc>
  <clear-multicast-route-counter/>
</rpc>
```

**Description** Unbind route from counter

---

## <clear-mvrp-statistics>

### Usage

```
<rpc>
  <clear-mvrp-statistics>
</clear-mvrp-statistics>
</rpc>
```

**Description** Clear MVRP statistics on an interface

**Contents** <clear-mvrp-statistics-interface>—Clear MVRP statistics on this interface

---

### <clear-mvrp-statistics-interface>

---

**Usage**

```
<rpc>
  <clear-mvrp-statistics-interface>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </clear-mvrp-statistics-interface>
</rpc>
```

**Description** Clear MVRP statistics on this interface

**Contents** <interface-name>—Name of interface

---

### <clear-stp-statistics-interface>

---

**Usage**

```
<rpc>
  <clear-stp-statistics-interface>
    <interface-name>interface-name</interface-name>
  </clear-stp-statistics-interface>
</rpc>
```

**Description** Clear STP interface statistics

**Contents** <interface-name>—Name of interface

---

### <get-analyzer-information>

---

**Usage**

```
<rpc>
  <get-analyzer-information>
    <analyzer-name>analyzer-name</analyzer-name>
  </get-analyzer-information>
</rpc>
```

**Description** Show analyzer information

**Contents** <analyzer-name>—Name of analyzer

## <get-arp-inspection-statistics>

---

**Usage**

```
<rpc>
  <get-arp-inspection-statistics/>
</rpc>
```

**Description** Show ARP inspection statistics

## <get-authentication-whitelist-mac-bypassed-users>

---

**Usage**

```
<rpc>
  <get-authentication-whitelist-mac-bypassed-users/>
</rpc>
```

**Description** List users who have bypassed 802.1X authentication

## <get-autoinstallation-status-information>

---

**Usage**

```
<rpc>
  <get-autoinstallation-status-information/>
</rpc>
```

**Description** Show autoinstallation status

## <get-dcbx-neighbor-information>

---

**Usage**

```
<rpc>
  <get-dcbx-neighbor-information>
</get-dcbx-neighbor-information>
</rpc>
```

**Description** Show DCBX neighbor information

**Contents** <get-dcbx-neighbor-interface-information>—Show DCBX information for this interface

## <get-dcbx-neighbor-interface-information>

---

**Usage**

```
<rpc>
  <get-dcbx-neighbor-interface-information>
```



```
<interface-name>interface-name</interface-name>
</get-dcbx-neighbor-interface-information>
</rpc>
```

**Description** Show DCBX information for this interface

**Contents** <interface-name>—Show DCBX information for this interface

---

### <get-dhcp-client-information>

---

**Usage**

```
<rpc>
<get-dhcp-client-information>
<statistics/>
<interface-name>interface-name</interface-name>
</get-dhcp-client-information>
</rpc>
```

**Description** Show DHCP client information

**Contents** <statistics>—Show DHCP client statistics

<interface-name>—Interface name of DHCP client

---

### <get-dhcp-helper-statistics>

---

**Usage**

```
<rpc>
<get-dhcp-helper-statistics/>
</rpc>
```

**Description** Show DHCP relay statistics information

---

### <get-dhcp-snoop-binding>

---

**Usage**

```
<rpc>
<get-dhcp-snoop-binding>
<interface>interface</interface>
<vlan>vlan</vlan>
</get-dhcp-snoop-binding>
</rpc>
```

**Description** Show DHCP snooping database

**Contents** <interface>—Name of interface for which to display the entries

<vlan>—Name of VLAN for which to display the entries

### <get-dhcp-snooping-statistics>

---

**Usage**

```
<rpc>
  <get-dhcp-snooping-statistics/>
</rpc>
```

**Description** Show DHCP snooping statistics

### <get-dot1x-firewall-interface>

---

**Usage**

```
<rpc>
  <get-dot1x-firewall-interface>
    <interface-name>interface-name</interface-name>
  </get-dot1x-firewall-interface>
</rpc>
```

**Description** Show dot1x firewall statistics for an interface

**Contents** <interface-name>—Show firewall statistics for this interface

### <get-dot1x-statistics>

---

**Usage**

```
<rpc>
  <get-dot1x-statistics>
</get-dot1x-statistics>
</rpc>
```

**Description** Show 802.1X statistics

**Contents** <get-dot1x-statistics-interface>—Show 802.1X statistics on this interface

### <get-dot1x-statistics-interface>

---

**Usage**

```
<rpc>
  <get-dot1x-statistics-interface>
    <interface-name>interface-name</interface-name>
  </get-dot1x-statistics-interface>
</rpc>
```

**Description** Show 802.1X statistics on this interface

**Contents** <interface-name>—Show statistics for this interface

---

### <get-ethernet-switching-aging-statistics>

---

**Usage**

```
<rpc>
  <get-ethernet-switching-aging-statistics>
  <brief/>
  <detail/>
</get-ethernet-switching-aging-statistics>
</rpc>
```

**Description** Show media access control aging statistics

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

---

### <get-ethernet-switching-authentication-whitelist-mac>

---

**Usage**

```
<rpc>
  <get-ethernet-switching-authentication-whitelist-mac>
  </get-ethernet-switching-authentication-whitelist-mac>
</rpc>
```

**Description** Show 802.1X White List MAC addresses

**Contents** <get-ethernet-switching-interface-mac-addresses>—Show 802.1X White List MAC addresses on this interface

<get-authentication-whitelist-mac-bypassed-users>—List users who have bypassed 802.1X authentication

---

### <get-ethernet-switching-interface-information>

---

**Usage**

```
<rpc>
  <get-ethernet-switching-interface-information>
  <summary/>
  <brief/>
  <detail/>
  <interface-name>interface-name</interface-name>
</get-ethernet-switching-interface-information>
</rpc>
```

**Description** Display Ethernet-switching interface information

**Contents** <summary>—Display summary output  
<brief>—Display brief output (default)  
<detail>—Display detailed output  
<interface-name>—Name of interface

---

## <get-ethernet-switching-interface-mac-addresses>

---

### Usage

```
<rpc>  
  <get-ethernet-switching-interface-mac-addresses>  
    <interface-name>interface-name</interface-name>  
  </get-ethernet-switching-interface-mac-addresses>  
</rpc>
```

**Description** Show 802.1X White List MAC addresses on this interface

**Contents** <interface-name>—Show White List MAC addresses of interface

---

## <get-ethernet-switching-log-information>

---

### Usage

```
<rpc>  
  <get-ethernet-switching-log-information/>  
</rpc>
```

**Description** Show MAC address learning log

---

## <get-ethernet-switching-mac-learning-statistics>

---

### Usage

```
<rpc>  
  <get-ethernet-switching-mac-learning-statistics>  
    <brief/>  
    <detail/>  
    <interface>interface</interface>  
  </get-ethernet-switching-mac-learning-statistics>  
</rpc>
```

**Description** Show media access control learning statistics

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<interface>—Display MAC learning statistics for a specified interface

---

### <get-ethernet-switching-mac-notification-information>

---

#### Usage

```
<rpc>
  <get-ethernet-switching-mac-notification-information/>
</rpc>
```

**Description** Display MAC notification information

---

### <get-ethernet-switching-next-hop-information>

---

#### Usage

```
<rpc>
  <get-ethernet-switching-next-hop-information>
    <summary/>
    <brief/>
    <detail/>
    <interface-index>interface-index</interface-index>
  </get-ethernet-switching-next-hop-information>
</rpc>
```

**Description** Show next hop information

**Contents** <summary>—Display summary output

<brief>—Display brief output (default)

<detail>—Display detailed output

<interface-index>—Interface index

---

### <get-ethernet-switching-table-information>

---

#### Usage

```
<rpc>
  <get-ethernet-switching-table-information>
    <summary/>
    <brief/>
    <detail/>
    <extensive/>
    <sort-by>sort-by</sort-by>
  </get-ethernet-switching-table-information>
</rpc>
```

**Description** Show media access control table

**Contents** <summary>—Display summary output

- name - Sort display by VLAN name
- tag - Sort display by VLAN id

<brief>—Display brief output (default)

- name - Sort display by VLAN name
- tag - Sort display by VLAN id

<detail>—Display detailed output

- name - Sort display by VLAN name
- tag - Sort display by VLAN id

<extensive>—Display extensive output

- name - Sort display by VLAN name
- tag - Sort display by VLAN id

<sort-by>—Specify display order

- name - Sort display by VLAN name
- tag - Sort display by VLAN id

<get-interface-ethernet-switching-table>—Display MAC table for a specified interface

<get-vlan-ethernet-switching-table>—Display MAC table for a specified VLAN

<get-management-vlan-ethernet-switching-table>—Display MAC table for a Management VLAN

---

## <get-fip-snooping>

---

### Usage

```
<rpc>
  <get-fip-snooping>
    <brief/>
    <detail/>
  </get-fip-snooping>
</rpc>
```

**Description** Show FIP snooping information

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<get-fip-snooping-vlan>—Show per VLAN information

<get-fip-snooping-fcf>—Show fibre-channel forwarder information

<get-fip-snooping-enode>—Show per enode information

<get-fip-snooping-statistics>—Show FIP snooping statistics

---

## <get-fip-snooping-enode>

### Usage

```
<rpc>
  <get-fip-snooping-enode>
    <brief/>
    <detail/>
    <mac>mac</mac> <!-- mandatory -->
    <vlan>vlan</vlan>
  </get-fip-snooping-enode>
</rpc>
```

**Description** Show per enode information

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<mac>—MAC address of Enode

<vlan>—Name of VLAN

---

## <get-fip-snooping-fcf>

### Usage

```
<rpc>
  <get-fip-snooping-fcf>
    <brief/>
    <detail/>
    <mac>mac</mac> <!-- mandatory -->
    <vlan>vlan</vlan>
  </get-fip-snooping-fcf>
</rpc>
```

**Description** Show fibre-channel forwarder information

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<mac>—MAC address of FCF

<vlan>—Name of VLAN

---

### <get-fip-snooping-statistics>

---

**Usage**

```
<rpc>
  <get-fip-snooping-statistics>
    <vlan>vlan</vlan>
  </get-fip-snooping-statistics>
</rpc>
```

**Description** Show FIP snooping statistics

**Contents** <vlan>—Name of VLAN

---

### <get-fip-snooping-vlan>

---

**Usage**

```
<rpc>
  <get-fip-snooping-vlan>
    <brief/>
    <detail/>
    <vlan-name>vlan-name</vlan-name> <!-- mandatory -->
  </get-fip-snooping-vlan>
</rpc>
```

**Description** Show per VLAN information

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<vlan-name>—Name of VLAN

---

### <get-igmp-snooping-flow-information>

---

**Usage**

```
<rpc>
  <get-igmp-snooping-flow-information>
    <brief/>
    <detail/>
  </get-igmp-snooping-flow-information>
</rpc>
```

**Description** Show igmp-snooping flows

**Contents** <brief>—Display brief output (default)



<detail>—Display detailed output

## <get-igmp-snooping-membership-information>

---

### Usage

```
<rpc>
  <get-igmp-snooping-membership-information>
  <brief/>
  <detail/>
  <vlan>vlan</vlan>
  <interface>interface</interface>
</get-igmp-snooping-membership-information>
</rpc>
```

**Description** Show igmp-snooping membership

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<vlan>—Groups on specified VLAN

<interface>—Groups with membership on interface

## <get-igmp-snooping-routing-information>

---

### Usage

```
<rpc>
  <get-igmp-snooping-routing-information>
  <ethernet-switching/>
  <inet/>
  <brief/>
  <detail/>
  <vlan>vlan</vlan>
</get-igmp-snooping-routing-information>
</rpc>
```

**Description** Show routing information

**Contents** <ethernet-switching>—Ethernet-switching multicast routes

<inet>—Family inet multicast routes

<brief>—Display brief output (default)

<detail>—Display detailed output

<vlan>—Show entries for a specific VLAN

## <get-igmp-snooping-statistics-information>

---

**Usage**

```
<rpc>
  <get-igmp-snooping-statistics-information/>
</rpc>
```

**Description** Show igmp-snooping statistics

## <get-igmp-snooping-task-accounting>

---

**Usage**

```
<rpc>
  <get-igmp-snooping-task-accounting>
    <brief/>
    <detail/>
  </get-igmp-snooping-task-accounting>
</rpc>
```

**Description** Per-task CPU accounting

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

## <get-igmp-snooping-task-information>

---

**Usage**

```
<rpc>
  <get-igmp-snooping-task-information>
    <summary/>
  </get-igmp-snooping-task-information>
</rpc>
```

**Description** Show IGMP snooping task information

**Contents** <get-igmp-snooping-task-accounting>—Per-task CPU accounting

<get-igmp-snooping-task-io>—Show task I/O statistics

<get-igmp-snooping-task-jobs>—Show scheduled jobs

<get-igmp-snooping-task-timers>—Task timers

<get-igmp-snooping-task-statistics>—Task statistics

<get-igmp-snooping-task-memory>—Show memory utilization of IGMP snooping tasks

<summary>—Display summary output (default)

---

### <get-igmp-snooping-task-io>

---

#### Usage

```
<rpc>
  <get-igmp-snooping-task-io/>
</rpc>
```

**Description** Show task I/O statistics

---

### <get-igmp-snooping-task-jobs>

---

#### Usage

```
<rpc>
  <get-igmp-snooping-task-jobs/>
</rpc>
```

**Description** Show scheduled jobs

---

### <get-igmp-snooping-task-memory>

---

#### Usage

```
<rpc>
  <get-igmp-snooping-task-memory>
    <summary/>
    <brief/>
    <detail/>
    <history/>
    <fragmentation/>
  </get-igmp-snooping-task-memory>
</rpc>
```

**Description** Show memory utilization of IGMP snooping tasks

**Contents** <summary>—Display current and maximum memory usage

<brief>—Display current/maximum/available memory

<detail>—Display memory usage by individual users

<history>—Display memory usage in the recent past

<fragmentation>—Display memory allocator fragmentation

## <get-igmp-snooping-task-statistics>

---

**Usage**

```
<rpc>
  <get-igmp-snooping-task-statistics/>
</rpc>
```

**Description** Task statistics

## <get-igmp-snooping-task-timers>

---

**Usage**

```
<rpc>
  <get-igmp-snooping-task-timers>
    <brief/>
    <expired/>
    <detail/>
  </get-igmp-snooping-task-timers>
</rpc>
```

**Description** Task timers

**Contents** <brief>—Display brief output (default)

<expired>—Display expired timers

<detail>—Display timer detail

## <get-igmp-snooping-vlan-information>

---

**Usage**

```
<rpc>
  <get-igmp-snooping-vlan-information>
    <brief/>
    <detail/>
    <vlan>vlan</vlan>
  </get-igmp-snooping-vlan-information>
</rpc>
```

**Description** VLAN information

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<vlan>—VLAN name

## <get-interface-ethernet-switching-table>

---

**Usage**

```
<rpc>
  <get-interface-ethernet-switching-table>
    <interface-name>interface-name</interface-name>
  </get-interface-ethernet-switching-table>
</rpc>
```

**Description** Display MAC table for a specified interface

**Contents** <interface-name>—Name of interface for which to display the table

## <get-ip-source-guard-information>

---

**Usage**

```
<rpc>
  <get-ip-source-guard-information/>
</rpc>
```

**Description** Show IP source guard information

## <get-l2pt-interface-information>

---

**Usage**

```
<rpc>
  <get-l2pt-interface-information>
    <interface-name>interface-name</interface-name>
  </get-l2pt-interface-information>
</rpc>
```

**Description** Show Layer2 protocol tunneling state for interfaces

**Contents** <interface-name>—Name of interface

## <get-l2pt-interface-statistics>

---

**Usage**

```
<rpc>
  <get-l2pt-interface-statistics>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </get-l2pt-interface-statistics>
</rpc>
```

**Description** Show Layer2 protocol tunneling statistics for interfaces

**Contents** <interface-name>—Name of interface

---

## <get-l2pt-statistics>

### Usage

```
<rpc>
  <get-l2pt-statistics>
</get-l2pt-statistics>
</rpc>
```

**Description** Show Layer2 protocol tunneling statistics

**Contents** <get-l2pt-interface-statistics>—Show Layer2 protocol tunneling statistics for interfaces  
<get-l2pt-vlan-statistics>—Show Layer2 protocol tunneling statistics for vlans

---

## <get-l2pt-vlan-information>

### Usage

```
<rpc>
  <get-l2pt-vlan-information>
    <vlan-name>vlan-name</vlan-name>
  </get-l2pt-vlan-information>
</rpc>
```

**Description** Show Layer2 protocol tunneling state for vlans

**Contents** <vlan-name>—Name of VLAN

---

## <get-l2pt-vlan-statistics>

### Usage

```
<rpc>
  <get-l2pt-vlan-statistics>
    <vlan-name>vlan-name</vlan-name> <!-- mandatory -->
  </get-l2pt-vlan-statistics>
</rpc>
```

**Description** Show Layer2 protocol tunneling statistics for vlans

**Contents** <vlan-name>—Name of VLAN

---

## <get-lldp-neighbors-information>

### Usage

```
<rpc>
```

```
<get-lldp-neighbors-information>  
</get-lldp-neighbors-information>  
</rpc>
```

**Description** Show LLDP neighbor information

**Contents** <interface>—Show LLDP neighbors on this interface

---

### <get-management-vlan-ethernet-switching-table>

---

**Usage**

```
<rpc>  
<get-management-vlan-ethernet-switching-table/>  
</rpc>
```

**Description** Display MAC table for a Management VLAN

---

### <get-mstp-bridge-configuration-information>

---

**Usage**

```
<rpc>  
<get-mstp-bridge-configuration-information>  
<brief/>  
<detail/>  
</get-mstp-bridge-configuration-information>  
</rpc>
```

**Description** Show MSTP configuration

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

---

### <get-mvrp-dynamic-vlan-memberships>

---

**Usage**

```
<rpc>  
<get-mvrp-dynamic-vlan-memberships/>  
</rpc>
```

**Description** Show MVRP dynamic VLAN memberships

## <get-mvrp-information>

---

**Usage**

```
<rpc>
  <get-mvrp-information>
</get-mvrp-information>
</rpc>
```

**Description** Show Multiple VLAN Registration Protocol information

**Contents** <get-mvrp-stats>—Show MVRP statistics  
<get-mvrp-dynamic-vlan-memberships>—Show MVRP dynamic VLAN memberships

## <get-mvrp-stats>

---

**Usage**

```
<rpc>
  <get-mvrp-stats>
</get-mvrp-stats>
</rpc>
```

**Description** Show MVRP statistics

**Contents** <get-mvrp-stats-intf>—Show MVRP statistics on this interface

## <get-mvrp-stats-intf>

---

**Usage**

```
<rpc>
  <get-mvrp-stats-intf>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </get-mvrp-stats-intf>
</rpc>
```

**Description** Show MVRP statistics on this interface

**Contents** <interface-name>—Show statistics for this interface

## <get-rtg-information>

---

**Usage**

```
<rpc>
  <get-rtg-information>
</get-rtg-information>
```



</rpc>

**Description** Show redundant trunk group information

**Contents** <get-rtg-information-pergrp>—Show information for a particular redundant trunk group

---

### <get-rtg-information-pergrp>

---

**Usage**

```
<rpc>
  <get-rtg-information-pergrp>
    <rtg-name>rtg-name</rtg-name> <!-- mandatory -->
  </get-rtg-information-pergrp>
</rpc>
```

**Description** Show information for a particular redundant trunk group

**Contents** <rtg-name>—Name of group

---

### <get-static-mac-bypassed-users>

---

**Usage**

```
<rpc>
  <get-static-mac-bypassed-users/>
</rpc>
```

**Description** List users who have bypassed 802.1X authentication

---

### <get-stp-bridge-information>

---

**Usage**

```
<rpc>
  <get-stp-bridge-information>
    <brief/>
    <detail/>
    <msti-vlan>msti-vlan</msti-vlan>
    <msti>msti</msti>
    <vlan-id>vlan-id</vlan-id>
  </get-stp-bridge-information>
</rpc>
```

**Description** Show STP bridge parameters

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<msti>—MSTP instance ID (0 for CIST; 1..4094 for MSTIs)

<vlan-id>—VLAN ID

---

## <get-stp-bridge-interface-information>

### Usage

```
<rpc>
  <get-stp-bridge-interface-information>
    <brief/>
    <detail/>
    <interface-name>interface-name</interface-name>
    <msti-vlan>msti-vlan</msti-vlan>
    <msti>msti</msti>
    <vlan-id>vlan-id</vlan-id>
  </get-stp-bridge-interface-information>
</rpc>
```

**Description** Show STP interface parameters

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<interface-name>—Name of interface

<msti>—MSTP instance ID (0 for CIST; 1..4094 for MSTIs)

<vlan-id>—VLAN ID

---

## <get-stp-statistics-interface-information>

### Usage

```
<rpc>
  <get-stp-statistics-interface-information>
    <brief/>
    <detail/>
    <interface-name>interface-name</interface-name>
  </get-stp-statistics-interface-information>
</rpc>
```

**Description** Show STP interface statistics

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<interface-name>—Name of interface

## <get-stp-vlan-interface-statistics>

---

**Usage**

```
<rpc>
  <get-stp-vlan-interface-statistics>
    <brief/>
    <detail/>
    <vlan-id>vlan-id</vlan-id> <!-- mandatory -->
  </get-stp-vlan-interface-statistics>
</rpc>
```

**Description** Show STP VLAN interface statistics

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<vlan-id>—VLAN ID

## <get-vlan-ethernet-switching-table>

---

**Usage**

```
<rpc>
  <get-vlan-ethernet-switching-table>
    <summary/>
    <brief/>
    <detail/>
    <vlan-name>vlan-name</vlan-name>
  </get-vlan-ethernet-switching-table>
</rpc>
```

**Description** Display MAC table for a specified VLAN

**Contents** <summary>—Display summary output

<brief>—Display brief output (default)

<detail>—Display detailed output

<vlan-name>—Name of VLAN for which to display the table

## <get-vlan-information>

---

**Usage**

```
<rpc>
  <get-vlan-information>
    <brief/>
    <detail/>
    <extensive/>
```

```
<summary/>
<sort-by>sort-by</sort-by>
<vlan-name>vlan-name</vlan-name>
</get-vlan-information>
</rpc>
```

**Description** Show VLAN information

**Contents** <brief>—Display brief output

- name - Sort display by name
- tag - Sort display by tag

<detail>—Display detailed output

- name - Sort display by name
- tag - Sort display by tag

<extensive>—Display extensive output

- name - Sort display by name
- tag - Sort display by tag

<summary>—Display summary output

- name - Sort display by name
- tag - Sort display by tag

<management-vlan>—Show management vlan information

- name - Sort display by name
- tag - Sort display by tag

<dot1q-tunneling>—Show dot1q-tunneling vlan information

- name - Sort display by name
- tag - Sort display by tag

<sort-by>—Specify display order

- name - Sort display by name
- tag - Sort display by tag

<vlan-name>—Show information for a particular VLAN

## <load-dhcp-snooping>

---

**Usage**

```
<rpc>
  <load-dhcp-snooping>
    <filename>filename</filename> <!-- mandatory -->
  </load-dhcp-snooping>
</rpc>
```

**Description** Load DHCP snooping entries

**Contents** <filename>—Filename (URL, local, remote)

## <release-dhcp-client>

---

**Usage**

```
<rpc>
  <release-dhcp-client>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </release-dhcp-client>
</rpc>
```

**Description** Request DHCP client release

**Contents** <interface-name>—Interface name of DHCP client

## <renew-dhcp-client>

---

**Usage**

```
<rpc>
  <renew-dhcp-client>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </renew-dhcp-client>
</rpc>
```

**Description** Request DHCP client renew

**Contents** <interface-name>—Interface name of DHCP client

## <request-multicast-route-counter>

---

**Usage**

```
<rpc>
  <request-multicast-route-counter>
    <source>source</source>
    <group>group</group>
```

```
<instance>instance</instance>
</request-multicast-route-counter>
</rpc>
```

**Description** Bind route to counter

**Contents** <source>—IP address of source  
 <group>—IP address of group  
 <instance>—Name of instance

## <save-dhcp-snooping>

---

### Usage

```
<rpc>
  <save-dhcp-snooping>
    <filename>filename</filename> <!-- mandatory -->
  </save-dhcp-snooping>
</rpc>
```

**Description** Save DHCP snooping entries

**Contents** <filename>—Filename (URL, local, remote)

## CHAPTER 7

# Operational Request Tag Elements Specific to M, MX, and T Series

This chapter lists the Junos Extensible Markup Language (XML) tag elements that a client of the Junos XML protocol or NETCONF server uses to request operational information. The tag names are in alphabetical order. For information about the notation used in this chapter, see [Table 2 on page cccxxxix](#).

The tags listed in this chapter are specific to devices belonging to:

- M Series
- MX Series
- T Series

### <abort-in-service-upgrade>

---

#### Usage

```
<rpc>
  <abort-in-service-upgrade/>
</rpc>
```

**Description** Abort in-service software upgrade

### <all-routing-engines>

---

#### Usage

```
<rpc>
  <all-routing-engines/>
</rpc>
```

**Description** Execute command on all routing-engines

## <check-in-service-upgrade>

---

### Usage

```
<rpc>
  <check-in-service-upgrade>
    <package-name>package-name</package-name> <!-- mandatory -->
  </check-in-service-upgrade>
</rpc>
```

**Description** Check in-service software upgrade

**Contents** <package-name>—URL or path of package

## <clear-aaa-statistics-table>

---

### Usage

```
<rpc>
  <clear-aaa-statistics-table>
    <authentication/>
    <accounting/>
    <dynamic-requests/>
    <re-authentication/>
    <terminate-code/>
  </clear-aaa-statistics-table>
</rpc>
```

**Description** Statistics on subscriber events

**Contents** <authentication>—Authentication statistics

<accounting>—Accounting statistics

<dynamic-requests>—Dynamic requests statistics

<re-authentication>—Re-authentication statistics

<terminate-code>—Terminate-code usage statistics

<address-assignment>—Statistics for address assignments

## <clear-aaa-subscriber-table>

---

### Usage

```
<rpc>
  <clear-aaa-subscriber-table>
    <username>username</username> <!-- mandatory -->
  </clear-aaa-subscriber-table>
</rpc>
```



**Description** Logout the subscriber and clear the session entry

**Contents** <username>—Subscriber session identifier  
 <clear-aaa-subscriber-table-specific-statistics>—Clear subscriber statistics

### <clear-aaa-subscriber-table-specific-statistics>

---

**Usage**

```
<rpc>
  <clear-aaa-subscriber-table-specific-statistics>
    <username>username</username> <!-- mandatory -->
  </clear-aaa-subscriber-table-specific-statistics>
</rpc>
```

**Description** Clear subscriber statistics

**Contents** <username>—Subscriber session identifier

### <clear-ancp-neighbor-connection>

---

**Usage**

```
<rpc>
  <clear-ancp-neighbor-connection>
    <ip-address>ip-address</ip-address>
    <system-name>system-name</system-name>
  </clear-ancp-neighbor-connection>
</rpc>
```

**Description** Clear neighbor connection

**Contents** <ip-address>—IP address of the neighbor  
 <system-name>—MAC address of the neighbor

### <clear-ancp-subscriber-identifier-information>

---

**Usage**

```
<rpc>
  <clear-ancp-subscriber-identifier-information>
    <identifier-name>identifier-name</identifier-name> <!-- mandatory -->
    <neighbor>neighbor</neighbor>
  </clear-ancp-subscriber-identifier-information>
</rpc>
```

**Description** Access loop identifier

**Contents**    <identifier-name>—Identifier  
                 <neighbor>—Subscriber information from a neighbor

---

## <clear-appid-application-statistics>

---

### Usage

```
<rpc>  
  <clear-appid-application-statistics>  
  </clear-appid-application-statistics>  
</rpc>
```

**Description**    Clear the application statistics

**Contents**    <clear-appid-application-statistics-cumulative>—Clear the cumulative application statistics  
                 <clear-appid-application-statistics-interval>—Clear the application interval statistics

---

## <clear-appid-application-statistics-cumulative>

---

### Usage

```
<rpc>  
  <clear-appid-application-statistics-cumulative/>  
</rpc>
```

**Description**    Clear the cumulative application statistics

---

## <clear-appid-application-statistics-interval>

---

### Usage

```
<rpc>  
  <clear-appid-application-statistics-interval/>  
</rpc>
```

**Description**    Clear the application interval statistics

---

## <clear-appid-application-system-cache>

---

### Usage

```
<rpc>  
  <clear-appid-application-system-cache>  
    <logical-system>logical-system</logical-system>  
  </clear-appid-application-system-cache>  
</rpc>
```

**Description** Clear application system cache

**Contents** <logical-system>—Logical-system name

- all - All logical-systems (Default)
- root-logical-system - Root logical-system only
- logical-system-name - Individual logical-system

---

### <clear-appid-counter>

---

**Usage**

```
<rpc>  
  <clear-appid-counter/>  
</rpc>
```

**Description** Clear the application identification counters

---

### <clear-application-aware-access-list-statistics-interface>

---

**Usage**

```
<rpc>  
  <clear-application-aware-access-list-statistics-interface>  
    <interface-name>interface-name</interface-name>  
  </clear-application-aware-access-list-statistics-interface>  
</rpc>
```

**Description** Clear application aware access list statistics by interface name

**Contents** <interface-name>—

---

### <clear-application-aware-access-list-statistics-subscriber>

---

**Usage**

```
<rpc>  
  <clear-application-aware-access-list-statistics-subscriber>  
    <subscriber>subscriber</subscriber>  
  </clear-application-aware-access-list-statistics-subscriber>  
</rpc>
```

**Description** Clear application aware access list statistics by subscriber name

**Contents** <subscriber>—

## <clear-arp-table>

---

**Usage**

```
<rpc>
  <clear-arp-table>
    <hostname>hostname</hostname>
    <interface>interface</interface>
    <vpn>vpn</vpn>
    <logical-system>logical-system</logical-system>
  </clear-arp-table>
</rpc>
```

**Description** Clear address resolution information

**Contents** <hostname>—Name of host

<interface>—Name of the interface

<vpn>—Name of VPN routing table

<logical-system>—Name of logical system

## <clear-authentication-pending-table>

---

**Usage**

```
<rpc>
  <clear-authentication-pending-table>

  <clear-authentication-pending-table-specific>clear-authentication-pending-table-specific</clear-authentication-pending-table-specific>

  </clear-authentication-pending-table>
</rpc>
```

**Description** Clear pending authentication requests

**Contents** <clear-authentication-pending-table-specific>—Clear information for a specific request

## <clear-authentication-statistics>

---

**Usage**

```
<rpc>
  <clear-authentication-statistics/>
</rpc>
```

**Description** Clear general authentication statistics

## <clear-auto-configuration-interfaces>

---

**Usage**

```

<rpc>
  <clear-auto-configuration-interfaces>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </clear-auto-configuration-interfaces>
</rpc>

```

**Description** Clear interfaces

**Contents** <interface-name>—Name of interface

## <clear-bgp-damping>

---

**Usage**

```

<rpc>
  <clear-bgp-damping>
    <daemon-select>daemon-select</daemon-select>
    <logical-system>logical-system</logical-system>
    <fabric/>
    <prefix>prefix</prefix>
  </clear-bgp-damping>
</rpc>

```

**Description** Clear damping information

**Contents** <logical-system>—Name of logical system, or 'all'

<fabric>—Internal fabric state

<prefix>—Destination prefix and prefix length

## <clear-bgp-neighbor>

---

**Usage**

```

<rpc>
  <clear-bgp-neighbor>
    <daemon-select>daemon-select</daemon-select>
    <logical-system>logical-system</logical-system>
    <fabric/>
    <soft/>
    <soft-minimum-igp/>
    <soft-inbound/>
    <instance>instance</instance>
    <as>as</as>
    <neighbor>neighbor</neighbor>
  </clear-bgp-neighbor>

```

</rpc>

**Description** Clear BGP neighbors

**Contents** <logical-system>—Name of logical system, or 'all'

<fabric>—Internal fabric state

<soft>—Soft reset outbound state

<soft-minimum-igp>—Soft reset outbound state with refresh of minimum igp MED

<soft-inbound>—Soft reset inbound state by issuing Refresh

<instance>—Name of BGP instance

<as>— Autonomous system number in plain number or 'higher 16bits'. 'Lower 16 bits' (asdot notation) format

<neighbor>—Particular BGP neighbor to clear

---

## <clear-bgp-table>

### Usage

```
<rpc>
  <clear-bgp-table>
    <daemon-select>daemon-select</daemon-select>
    <logical-system>logical-system</logical-system>
    <fabric/>
    <table>table</table> <!-- mandatory -->
  </clear-bgp-table>
</rpc>
```

**Description** Refresh routes in a routing table

**Contents** <logical-system>—Name of logical system, or 'all'

<fabric>—Internal fabric state

<table>—Name of table to clear

---

## <clear-binding-all>

### Usage

```
<rpc>
  <clear-binding-all>
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </clear-binding-all>
```

</rpc>

**Description** Clear all bindings

**Contents** <routing-instance>—Name of routing instance  
<logical-system>—Name of logical system

---

### <clear-binding-ip>

---

**Usage**

```
<rpc>
  <clear-binding-ip>
    <ip-address>ip-address</ip-address> <!-- mandatory -->
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </clear-binding-ip>
</rpc>
```

**Description** Clear binding entry based on IP address

**Contents** <ip-address>—Enter IP Address  
<routing-instance>—Name of routing instance  
<logical-system>—Name of logical system

---

### <clear-binding-nai>

---

**Usage**

```
<rpc>
  <clear-binding-nai>
    <nai>nai</nai> <!-- mandatory -->
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </clear-binding-nai>
</rpc>
```

**Description** Clear binding entry based on nai

**Contents** <nai>—Enter nai  
<routing-instance>—Name of routing instance  
<logical-system>—Name of logical system

## <clear-bpdu-error>

---

### Usage

```
<rpc>
  <clear-bpdu-error>
    <interface-name>interface-name</interface-name>
  </clear-bpdu-error>
</rpc>
```

**Description** Clear BPDU error on an interface (BPDU Protect)

**Contents** <interface-name>—Name of interface

## <clear-bridge-interface-mac-table>

---

### Usage

```
<rpc>
  <clear-bridge-interface-mac-table>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
    <remote-beb-mac-address>remote-beb-mac-address</remote-beb-mac-address>

    <vlan-id>vlan-id</vlan-id>
    <isid>isid</isid>
  </clear-bridge-interface-mac-table>
</rpc>
```

**Description** Clear media access control table for specified interface

**Contents** <interface-name>—Name of interface for which to clear table

- all-vlan - Clear MAC addresses on all VLAN(s)
- vlan-id - Clear MAC address learned on a specified VLAN
- all-isid - Clear MAC addresses on all ISID(s)
- isid - Clear MAC address learned on a specified ISID

<remote-beb-mac-address>—Remote backbone edge bridge MAC address

- all-vlan - Clear MAC addresses on all VLAN(s)
- vlan-id - Clear MAC address learned on a specified VLAN
- all-isid - Clear MAC addresses on all ISID(s)
- isid - Clear MAC address learned on a specified ISID

<vlan-id>—Clear MAC address learned on a specified VLAN



- all-vlan - Clear MAC addresses on all VLAN(s)
- vlan-id - Clear MAC address learned on a specified VLAN
- all-isid - Clear MAC addresses on all ISID(s)
- isid - Clear MAC address learned on a specified ISID

<isid>—Clear MAC address learned on a specified ISID

- all-isid - Clear MAC addresses on all ISID(s)
- isid - Clear MAC address learned on a specified ISID

## <clear-bridge-mac-table>

### Usage

```
<rpc>
  <clear-bridge-mac-table>
    <instance>instance</instance>
    <bridge-domain>bridge-domain</bridge-domain>
    <logical-system>logical-system</logical-system>
    <vlan-id>vlan-id</vlan-id>
    <isid>isid</isid>
    <address>address</address>
  </clear-bridge-mac-table>
</rpc>
```

**Description** Clear all learned media access control addresses

**Contents** <clear-bridge-interface-mac-table>—Clear media access control table for specified interface

- all-vlan - Clear MAC addresses on all VLAN(s)
- vlan-id - Clear MAC address learned on a specified VLAN
- all-isid - Clear MAC addresses on all ISID(s)
- isid - Clear MAC address learned on a specified ISID

<instance>—Display information for a specified instance

- all-vlan - Clear MAC addresses on all VLAN(s)
- vlan-id - Clear MAC address learned on a specified VLAN
- all-isid - Clear MAC addresses on all ISID(s)
- isid - Clear MAC address learned on a specified ISID

<bridge-domain>—Name of bridging domain, or 'all'

- all-vlan - Clear MAC addresses on all VLAN(s)
- vlan-id - Clear MAC address learned on a specified VLAN

- all-isid - Clear MAC addresses on all ISID(s)
- isid - Clear MAC address learned on a specified ISID

<logical-system>—Name of logical system, or 'all'

- all-vlan - Clear MAC addresses on all VLAN(s)
- vlan-id - Clear MAC address learned on a specified VLAN
- all-isid - Clear MAC addresses on all ISID(s)
- isid - Clear MAC address learned on a specified ISID

<vlan-id>—Clear MAC address learned on a specified VLAN

- all-vlan - Clear MAC addresses on all VLAN(s)
- vlan-id - Clear MAC address learned on a specified VLAN
- all-isid - Clear MAC addresses on all ISID(s)
- isid - Clear MAC address learned on a specified ISID

<isid>—Clear MAC address learned on a specified ISID

- all-isid - Clear MAC addresses on all ISID(s)
- isid - Clear MAC address learned on a specified ISID

<address>—MAC address

---

## <clear-cfm-continuity-measurement>

---

### Usage

```
<rpc>
  <clear-cfm-continuity-measurement>
    <maintenance-domain>maintenance-domain</maintenance-domain> <!--
mandatory -->
    <maintenance-association>maintenance-association</maintenance-association>
  <!-- mandatory -->
    <local-mep>local-mep</local-mep>
    <remote-mep>remote-mep</remote-mep>
  </clear-cfm-continuity-measurement>
</rpc>
```

**Description** Clear continuity-measurement information

**Contents** <maintenance-domain>—Name of maintenance domain

<maintenance-association>—Name of maintenance association

<local-mep>—Identifier for local maintenance endpoint

<remote-mep>—Identifier for remote maintenance endpoint

## <clear-cfm-delay-statistics>

### Usage

```

<rpc>
  <clear-cfm-delay-statistics>
    <one-way/>
    <two-way/>
    <maintenance-domain>maintenance-domain</maintenance-domain> <!--
mandatory -->
    <maintenance-association>maintenance-association</maintenance-association>
<!-- mandatory -->
    <logical-system>logical-system</logical-system>
  </clear-cfm-delay-statistics>
</rpc>

```

**Description** Clear Ethernet OAM delay statistics

**Contents**

- <one-way>—One-way delay measurement
- <two-way>—Two-way delay measurement
- <maintenance-domain>—Name of maintenance domain
- <maintenance-association>—Name of maintenance association
- <logical-system>—Name of logical system

## <clear-cfm-iterator-statistics>

### Usage

```

<rpc>
  <clear-cfm-iterator-statistics>
    <sla-iterator>sla-iterator</sla-iterator> <!-- mandatory -->
    <maintenance-domain>maintenance-domain</maintenance-domain> <!--
mandatory -->
    <maintenance-association>maintenance-association</maintenance-association>
<!-- mandatory -->
    <local-mep>local-mep</local-mep> <!-- mandatory -->
    <remote-mep>remote-mep</remote-mep> <!-- mandatory -->
    <logical-system>logical-system</logical-system>
  </clear-cfm-iterator-statistics>
</rpc>

```

**Description** Clear Ethernet OAM SLA iterator statistics information

**Contents**

- <sla-iterator>—Name of the iterator profile
- <maintenance-domain>—Name of maintenance domain
- <maintenance-association>—Name of maintenance association

<local-mep>—Identifier for local maintenance endpoint

<remote-mep>—MEP identifier of remote host

<logical-system>—Name of logical system

---

## <clear-cfm-linktrace-path-database>

---

### Usage

```
<rpc>
  <clear-cfm-linktrace-path-database>
    <maintenance-domain>maintenance-domain</maintenance-domain> <!--
mandatory -->
    <maintenance-association>maintenance-association</maintenance-association>
  <!-- mandatory -->
    <host>host</host> <!-- mandatory -->
    <logical-system>logical-system</logical-system>
  </clear-cfm-linktrace-path-database>
</rpc>
```

**Description** Clear linktrace path-database entries of a remote host

**Contents** <maintenance-domain>—Name of maintenance domain

<maintenance-association>—Name of maintenance association

<host>—MAC address of remote host in xx:xx:xx:xx:xx:xx format

<logical-system>—Name of logical system

---

## <clear-cfm-loss-statistics>

---

### Usage

```
<rpc>
  <clear-cfm-loss-statistics>
    <maintenance-domain>maintenance-domain</maintenance-domain> <!--
mandatory -->
    <maintenance-association>maintenance-association</maintenance-association>
  <!-- mandatory -->
  </clear-cfm-loss-statistics>
</rpc>
```

**Description** Clear Ethernet OAM loss statistics

**Contents** <maintenance-domain>—Name of maintenance domain

<maintenance-association>—Name of maintenance association

## <clear-cfm-statistics>

---

**Usage**

```
<rpc>
  <clear-cfm-statistics>
    <interface>interface</interface>
    <level>level</level>
    <logical-system>logical-system</logical-system>
  </clear-cfm-statistics>
</rpc>
```

**Description** Clear connectivity-fault-management statistics

**Contents** <interface>—Clear the statistics on an interface

<level>—The maintenance-domain level

<logical-system>—Name of logical system

## <clear-cpcdd-interface-statistics>

---

**Usage**

```
<rpc>
  <clear-cpcdd-interface-statistics>
    <pic-name>pic-name</pic-name> <!-- mandatory -->
  </clear-cpcdd-interface-statistics>
</rpc>
```

**Description** Clear statistics by PIC

**Contents** <pic-name>—

## <clear-database-replication-statistics-information>

---

**Usage**

```
<rpc>
  <clear-database-replication-statistics-information/>
</rpc>
```

**Description** Clear database replication statistics

## <clear-ddos-ancp-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-ancp-aggregate-states/>
```

```
</rpc>
```

**Description**    Reset aggregate states

---

### <clear-ddos-ancp-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ancp-aggregate-statistics/>  
</rpc>
```

**Description**    Clear aggregate statistics

---

### <clear-ddos-ancp-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ancp-states/>  
</rpc>
```

**Description**    Reset ANCP states

---

### <clear-ddos-ancp-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ancp-statistics/>  
</rpc>
```

**Description**    Clear ANCP statistics

---

### <clear-ddos-ancpv6-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ancpv6-aggregate-states/>  
</rpc>
```

**Description**    Reset aggregate states

---

### <clear-ddos-ancpv6-aggregate-statistics>

---

**Usage**

```
<rpc>
```

```
<clear-ddos-ancpv6-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

---

### <clear-ddos-ancpv6-states>

---

**Usage**

```
<rpc>
<clear-ddos-ancpv6-states/>
</rpc>
```

**Description** Reset ANCPv6 states

---

### <clear-ddos-ancpv6-statistics>

---

**Usage**

```
<rpc>
<clear-ddos-ancpv6-statistics/>
</rpc>
```

**Description** Clear ANCPv6 statistics

---

### <clear-ddos-arp-aggregate-states>

---

**Usage**

```
<rpc>
<clear-ddos-arp-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

---

### <clear-ddos-arp-aggregate-statistics>

---

**Usage**

```
<rpc>
<clear-ddos-arp-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-arp-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-arp-states/>  
</rpc>
```

**Description**    Reset ARP states

## <clear-ddos-arp-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-arp-statistics/>  
</rpc>
```

**Description**    Clear ARP statistics

## <clear-ddos-atm-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-atm-aggregate-states/>  
</rpc>
```

**Description**    Reset aggregate states

## <clear-ddos-atm-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-atm-aggregate-statistics/>  
</rpc>
```

**Description**    Clear aggregate statistics

## <clear-ddos-atm-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-atm-states/>  
</rpc>
```

**Description**    Reset ATM states



### <clear-ddos-atm-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-atm-statistics/>  
</rpc>
```

**Description** Clear ATM statistics

### <clear-ddos-bfd-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-bfd-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-bfd-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-bfd-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-bfd-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-bfd-states/>  
</rpc>
```

**Description** Reset BFD states

### <clear-ddos-bfd-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-bfd-statistics/>  
</rpc>
```

**Description** Clear BFD statistics

## <clear-ddos-bfdv6-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-bfdv6-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

## <clear-ddos-bfdv6-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-bfdv6-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-bfdv6-states>

---

**Usage**

```
<rpc>
  <clear-ddos-bfdv6-states/>
</rpc>
```

**Description** Reset BFDv6 states

## <clear-ddos-bfdv6-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-bfdv6-statistics/>
</rpc>
```

**Description** Clear BFDv6 statistics

## <clear-ddos-bgp-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-bgp-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-bgp-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-bgp-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-bgp-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-bgp-states/>  
</rpc>
```

**Description** Reset BGP states

### <clear-ddos-bgp-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-bgp-statistics/>  
</rpc>
```

**Description** Clear BGP statistics

### <clear-ddos-bgpv6-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-bgpv6-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-bgpv6-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-bgpv6-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-bgpv6-states>

---

**Usage**

```
<rpc>
  <clear-ddos-bgpv6-states/>
</rpc>
```

**Description** Reset BGPv6 states

## <clear-ddos-bgpv6-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-bgpv6-statistics/>
</rpc>
```

**Description** Clear BGPv6 statistics

## <clear-ddos-demuxauto-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-demuxauto-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

## <clear-ddos-demuxauto-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-demuxauto-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-demuxauto-states>

---

**Usage**

```
<rpc>
  <clear-ddos-demuxauto-states/>
</rpc>
```

**Description** Reset Demux-Autosense states

### <clear-ddos-demuxauto-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-demuxauto-statistics/>  
</rpc>
```

**Description** Clear Demux-Autosense statistics

### <clear-ddos-dhcpv4-ack-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-ack-states/>  
</rpc>
```

**Description** Reset ack states

### <clear-ddos-dhcpv4-ack-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-ack-statistics/>  
</rpc>
```

**Description** Clear ack statistics

### <clear-ddos-dhcpv4-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-dhcpv4-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-dhcpv4-bad-pack-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-bad-pack-states/>  
</rpc>
```

**Description** Reset bad-packets states

## <clear-ddos-dhcpv4-bad-pack-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-bad-pack-statistics/>  
</rpc>
```

**Description** Clear bad-packets statistics

## <clear-ddos-dhcpv4-bootp-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-bootp-states/>  
</rpc>
```

**Description** Reset bootp states

## <clear-ddos-dhcpv4-bootp-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-bootp-statistics/>  
</rpc>
```

**Description** Clear bootp statistics

## <clear-ddos-dhcpv4-decline-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-decline-states/>  
</rpc>
```

**Description** Reset decline states

### <clear-ddos-dhcpv4-decline-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-decline-statistics/>  
</rpc>
```

**Description** Clear decline statistics

### <clear-ddos-dhcpv4-discover-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-discover-states/>  
</rpc>
```

**Description** Reset discover states

### <clear-ddos-dhcpv4-discover-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-discover-statistics/>  
</rpc>
```

**Description** Clear discover statistics

### <clear-ddos-dhcpv4-forcerenew-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-forcerenew-states/>  
</rpc>
```

**Description** Reset force-renew states

### <clear-ddos-dhcpv4-forcerenew-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-forcerenew-statistics/>  
</rpc>
```

**Description** Clear force-renew statistics

### <clear-ddos-dhcpv4-inform-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv4-inform-states/>
</rpc>
```

**Description**    Reset inform states

### <clear-ddos-dhcpv4-inform-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv4-inform-statistics/>
</rpc>
```

**Description**    Clear inform statistics

### <clear-ddos-dhcpv4-leaseact-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv4-leaseact-states/>
</rpc>
```

**Description**    Reset lease-active states

### <clear-ddos-dhcpv4-leaseact-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv4-leaseact-statistics/>
</rpc>
```

**Description**    Clear lease-active statistics

### <clear-ddos-dhcpv4-leasequery-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv4-leasequery-states/>
</rpc>
```

**Description**    Reset lease-query states



### <clear-ddos-dhcpv4-leasequery-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-leasequery-statistics/>  
</rpc>
```

**Description** Clear lease-query statistics

### <clear-ddos-dhcpv4-leaseuna-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-leaseuna-states/>  
</rpc>
```

**Description** Reset lease-unassigned states

### <clear-ddos-dhcpv4-leaseuna-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-leaseuna-statistics/>  
</rpc>
```

**Description** Clear lease-unassigned statistics

### <clear-ddos-dhcpv4-leaseunk-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-leaseunk-states/>  
</rpc>
```

**Description** Reset lease-unknown states

### <clear-ddos-dhcpv4-leaseunk-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-leaseunk-statistics/>  
</rpc>
```

**Description** Clear lease-unknown statistics

## <clear-ddos-dhcpv4-nak-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv4-nak-states/>
</rpc>
```

**Description** Reset nak states

## <clear-ddos-dhcpv4-nak-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv4-nak-statistics/>
</rpc>
```

**Description** Clear nak statistics

## <clear-ddos-dhcpv4-no-msgtype-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv4-no-msgtype-states/>
</rpc>
```

**Description** Reset no-message-type states

## <clear-ddos-dhcpv4-no-msgtype-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv4-no-msgtype-statistics/>
</rpc>
```

**Description** Clear no-message-type statistics

## <clear-ddos-dhcpv4-offer-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv4-offer-states/>
</rpc>
```

**Description** Reset offer states

### <clear-ddos-dhcpv4-offer-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-offer-statistics/>  
</rpc>
```

**Description** Clear offer statistics

### <clear-ddos-dhcpv4-release-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-release-states/>  
</rpc>
```

**Description** Reset release states

### <clear-ddos-dhcpv4-release-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-release-statistics/>  
</rpc>
```

**Description** Clear release statistics

### <clear-ddos-dhcpv4-renew-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-renew-states/>  
</rpc>
```

**Description** Reset renew states

### <clear-ddos-dhcpv4-renew-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-renew-statistics/>  
</rpc>
```

**Description** Clear renew statistics

### <clear-ddos-dhcpv4-request-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv4-request-states/>
</rpc>
```

**Description** Reset request states

### <clear-ddos-dhcpv4-request-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv4-request-statistics/>
</rpc>
```

**Description** Clear request statistics

### <clear-ddos-dhcpv4-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv4-states/>
</rpc>
```

**Description** Reset DHCPv4 states

### <clear-ddos-dhcpv4-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv4-statistics/>
</rpc>
```

**Description** Clear DHCPv4 statistics

### <clear-ddos-dhcpv4-unclass-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv4-unclass-states/>
</rpc>
```

**Description** Reset unclassified states

### <clear-ddos-dhcpv4-unclass-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv4-unclass-statistics/>  
</rpc>
```

**Description** Clear unclassified statistics

### <clear-ddos-dhcpv6-advertise-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-advertise-states/>  
</rpc>
```

**Description** Reset advertise states

### <clear-ddos-dhcpv6-advertise-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-advertise-statistics/>  
</rpc>
```

**Description** Clear advertise statistics

### <clear-ddos-dhcpv6-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-dhcpv6-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-dhcpv6-confirm-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv6-confirm-states/>
</rpc>
```

**Description**    Reset confirm states

## <clear-ddos-dhcpv6-confirm-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv6-confirm-statistics/>
</rpc>
```

**Description**    Clear confirm statistics

## <clear-ddos-dhcpv6-decline-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv6-decline-states/>
</rpc>
```

**Description**    Reset decline states

## <clear-ddos-dhcpv6-decline-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv6-decline-statistics/>
</rpc>
```

**Description**    Clear decline statistics

## <clear-ddos-dhcpv6-info-req-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv6-info-req-states/>
</rpc>
```

**Description**    Reset information-request states

### <clear-ddos-dhcpv6-info-req-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-info-req-statistics/>  
</rpc>
```

**Description** Clear information-request statistics

### <clear-ddos-dhcpv6-leaseq-da-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-leaseq-da-states/>  
</rpc>
```

**Description** Reset leasequery-data states

### <clear-ddos-dhcpv6-leaseq-da-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-leaseq-da-statistics/>  
</rpc>
```

**Description** Clear leasequery-data statistics

### <clear-ddos-dhcpv6-leaseq-do-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-leaseq-do-states/>  
</rpc>
```

**Description** Reset leasequery-done states

### <clear-ddos-dhcpv6-leaseq-do-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-leaseq-do-statistics/>  
</rpc>
```

**Description** Clear leasequery-done statistics

## <clear-ddos-dhcpv6-leaseq-re-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-leaseq-re-states/>  
</rpc>
```

**Description** Reset leasequery-reply states

## <clear-ddos-dhcpv6-leaseq-re-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-leaseq-re-statistics/>  
</rpc>
```

**Description** Clear leasequery-reply statistics

## <clear-ddos-dhcpv6-leasequery-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-leasequery-states/>  
</rpc>
```

**Description** Reset leasequery states

## <clear-ddos-dhcpv6-leasequery-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-leasequery-statistics/>  
</rpc>
```

**Description** Clear leasequery statistics

## <clear-ddos-dhcpv6-rebind-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-rebind-states/>  
</rpc>
```

**Description** Reset rebind states



### <clear-ddos-dhcpv6-rebind-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-rebind-statistics/>  
</rpc>
```

**Description** Clear rebind statistics

### <clear-ddos-dhcpv6-reconfig-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-reconfig-states/>  
</rpc>
```

**Description** Reset reconfigure states

### <clear-ddos-dhcpv6-reconfig-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-reconfig-statistics/>  
</rpc>
```

**Description** Clear reconfigure statistics

### <clear-ddos-dhcpv6-relay-for-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-relay-for-states/>  
</rpc>
```

**Description** Reset relay-forward states

### <clear-ddos-dhcpv6-relay-for-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-relay-for-statistics/>  
</rpc>
```

**Description** Clear relay-forward statistics

## <clear-ddos-dhcpv6-relay-rep-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv6-relay-rep-states/>
</rpc>
```

**Description** Reset relay-reply states

## <clear-ddos-dhcpv6-relay-rep-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv6-relay-rep-statistics/>
</rpc>
```

**Description** Clear relay-reply statistics

## <clear-ddos-dhcpv6-release-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv6-release-states/>
</rpc>
```

**Description** Reset release states

## <clear-ddos-dhcpv6-release-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv6-release-statistics/>
</rpc>
```

**Description** Clear release statistics

## <clear-ddos-dhcpv6-renew-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv6-renew-states/>
</rpc>
```

**Description** Reset renew states

### <clear-ddos-dhcpv6-renew-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-renew-statistics/>  
</rpc>
```

**Description** Clear renew statistics

### <clear-ddos-dhcpv6-reply-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-reply-states/>  
</rpc>
```

**Description** Reset reply states

### <clear-ddos-dhcpv6-reply-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-reply-statistics/>  
</rpc>
```

**Description** Clear reply statistics

### <clear-ddos-dhcpv6-request-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-request-states/>  
</rpc>
```

**Description** Reset request states

### <clear-ddos-dhcpv6-request-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-request-statistics/>  
</rpc>
```

**Description** Clear request statistics

## <clear-ddos-dhcpv6-solicit-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv6-solicit-states/>
</rpc>
```

**Description** Reset solicit states

## <clear-ddos-dhcpv6-solicit-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv6-solicit-statistics/>
</rpc>
```

**Description** Clear solicit statistics

## <clear-ddos-dhcpv6-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv6-states/>
</rpc>
```

**Description** Reset DHCPv6 states

## <clear-ddos-dhcpv6-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv6-statistics/>
</rpc>
```

**Description** Clear DHCPv6 statistics

## <clear-ddos-dhcpv6-unclass-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dhcpv6-unclass-states/>
</rpc>
```

**Description** Reset unclassified states

### <clear-ddos-dhcpv6-unclass-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dhcpv6-unclass-statistics/>  
</rpc>
```

**Description** Clear unclassified statistics

### <clear-ddos-diameter-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-diameter-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-diameter-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-diameter-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-diameter-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-diameter-states/>  
</rpc>
```

**Description** Reset Diameter states

### <clear-ddos-diameter-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-diameter-statistics/>  
</rpc>
```

**Description** Clear Diameter statistics

## <clear-ddos-dns-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dns-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

## <clear-ddos-dns-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-dns-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-dns-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dns-states/>
</rpc>
```

**Description** Reset DNS states

## <clear-ddos-dns-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-dns-statistics/>
</rpc>
```

**Description** Clear DNS statistics

## <clear-ddos-dtcp-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dtcp-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-dtcp-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dtcp-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-dtcp-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dtcp-states/>  
</rpc>
```

**Description** Reset dtcp states

### <clear-ddos-dtcp-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dtcp-statistics/>  
</rpc>
```

**Description** Clear dtcp statistics

### <clear-ddos-dynvlan-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-dynvlan-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-dynvlan-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-dynvlan-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-dynvlan-states>

---

**Usage**

```
<rpc>
  <clear-ddos-dynvlan-states/>
</rpc>
```

**Description** Reset Dynamic-Vlan states

### <clear-ddos-dynvlan-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-dynvlan-statistics/>
</rpc>
```

**Description** Clear Dynamic-Vlan statistics

### <clear-ddos-egpv6-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-egpv6-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-egpv6-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-egpv6-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-egpv6-states>

---

**Usage**

```
<rpc>
  <clear-ddos-egpv6-states/>
</rpc>
```

**Description** Reset EGPv6 states



### <clear-ddos-egpv6-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-egpv6-statistics/>
</rpc>
```

**Description** Clear EGPv6 statistics

### <clear-ddos-eoam-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-eoam-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-eoam-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-eoam-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-eoam-states>

---

**Usage**

```
<rpc>
  <clear-ddos-eoam-states/>
</rpc>
```

**Description** Reset EOAM states

### <clear-ddos-eoam-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-eoam-statistics/>
</rpc>
```

**Description** Clear EOAM statistics

## <clear-ddos-esmc-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-esmc-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

## <clear-ddos-esmc-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-esmc-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-esmc-states>

---

**Usage**

```
<rpc>
  <clear-ddos-esmc-states/>
</rpc>
```

**Description** Reset ESMC states

## <clear-ddos-esmc-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-esmc-statistics/>
</rpc>
```

**Description** Clear ESMC statistics

## <clear-ddos-ftp-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-ftp-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-ftp-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ftp-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-ftp-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ftp-states/>  
</rpc>
```

**Description** Reset FTP states

### <clear-ddos-ftp-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ftp-statistics/>  
</rpc>
```

**Description** Clear FTP statistics

### <clear-ddos-ftp6-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ftp6-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-ftp6-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ftp6-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-ftp6-states>

---

**Usage**

```
<rpc>
  <clear-ddos-ftp6-states/>
</rpc>
```

**Description** Reset FTPv6 states

## <clear-ddos-ftp6-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-ftp6-statistics/>
</rpc>
```

**Description** Clear FTPv6 statistics

## <clear-ddos-fw-host-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-fw-host-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

## <clear-ddos-fw-host-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-fw-host-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-fw-host-states>

---

**Usage**

```
<rpc>
  <clear-ddos-fw-host-states/>
</rpc>
```

**Description** Reset Firewall-Host states

### <clear-ddos-fw-host-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-fw-host-statistics/>  
</rpc>
```

**Description** Clear Firewall-Host statistics

### <clear-ddos-fw-reject-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-fw-reject-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-fw-reject-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-fw-reject-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-fw-reject-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-fw-reject-states/>  
</rpc>
```

**Description** Reset Firewall-Reject states

### <clear-ddos-fw-reject-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-fw-reject-statistics/>  
</rpc>
```

**Description** Clear Firewall-Reject statistics

## <clear-ddos-gre-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-gre-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

## <clear-ddos-gre-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-gre-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-gre-states>

---

**Usage**

```
<rpc>
  <clear-ddos-gre-states/>
</rpc>
```

**Description** Reset GRE states

## <clear-ddos-gre-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-gre-statistics/>
</rpc>
```

**Description** Clear GRE statistics

## <clear-ddos-icmp-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-icmp-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-icmp-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-icmp-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-icmp-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-icmp-states/>  
</rpc>
```

**Description** Reset ICMP states

### <clear-ddos-icmp-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-icmp-statistics/>  
</rpc>
```

**Description** Clear ICMP statistics

### <clear-ddos-igmp-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-igmp-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-igmp-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-igmp-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-igmp-snoop-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-igmp-snoop-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-igmp-snoop-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-igmp-snoop-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-igmp-snoop-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-igmp-snoop-states/>  
</rpc>
```

**Description** Reset IGMP-Snoop states

### <clear-ddos-igmp-snoop-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-igmp-snoop-statistics/>  
</rpc>
```

**Description** Clear IGMP-Snoop statistics

### <clear-ddos-igmp-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-igmp-states/>  
</rpc>
```

**Description** Reset IGMP states



### <clear-ddos-igmp-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-igmp-statistics/>  
</rpc>
```

**Description** Clear IGMP statistics

### <clear-ddos-igmpv4v6-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-igmpv4v6-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-igmpv4v6-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-igmpv4v6-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-igmpv4v6-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-igmpv4v6-states/>  
</rpc>
```

**Description** Reset IGMPv4v6 states

### <clear-ddos-igmpv4v6-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-igmpv4v6-statistics/>  
</rpc>
```

**Description** Clear IGMPv4v6 statistics

## <clear-ddos-igmpv6-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-igmpv6-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

## <clear-ddos-igmpv6-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-igmpv6-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-igmpv6-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-igmpv6-states/>  
</rpc>
```

**Description** Reset IGMPv6 states

## <clear-ddos-igmpv6-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-igmpv6-statistics/>  
</rpc>
```

**Description** Clear IGMPv6 statistics

## <clear-ddos-ip-frag-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ip-frag-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-ip-frag-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ip-frag-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-ip-frag-first-frag-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ip-frag-first-frag-states/>  
</rpc>
```

**Description** Reset first-fragment states

### <clear-ddos-ip-frag-first-frag-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ip-frag-first-frag-statistics/>  
</rpc>
```

**Description** Clear first-fragment statistics

### <clear-ddos-ip-frag-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ip-frag-states/>  
</rpc>
```

**Description** Reset IP-Fragments states

### <clear-ddos-ip-frag-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ip-frag-statistics/>  
</rpc>
```

**Description** Clear IP-Fragments statistics

### <clear-ddos-ip-frag-trail-frag-states>

---

**Usage**

```
<rpc>
  <clear-ddos-ip-frag-trail-frag-states/>
</rpc>
```

**Description** Reset trail-fragment states

### <clear-ddos-ip-frag-trail-frag-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-ip-frag-trail-frag-statistics/>
</rpc>
```

**Description** Clear trail-fragment statistics

### <clear-ddos-ip-opt-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-ip-opt-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-ip-opt-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-ip-opt-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-ip-opt-rt-alert-states>

---

**Usage**

```
<rpc>
  <clear-ddos-ip-opt-rt-alert-states/>
</rpc>
```

**Description** Reset router-alert states

### <clear-ddos-ip-opt-rt-alert-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ip-opt-rt-alert-statistics/>  
</rpc>
```

**Description** Clear router-alert statistics

### <clear-ddos-ip-opt-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ip-opt-states/>  
</rpc>
```

**Description** Reset IP-Options states

### <clear-ddos-ip-opt-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ip-opt-statistics/>  
</rpc>
```

**Description** Clear IP-Options statistics

### <clear-ddos-ip-opt-unclass-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ip-opt-unclass-states/>  
</rpc>
```

**Description** Reset unclassified states

### <clear-ddos-ip-opt-unclass-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ip-opt-unclass-statistics/>  
</rpc>
```

**Description** Clear unclassified statistics

### <clear-ddos-ipv4-uncls-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ipv4-uncls-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-ipv4-uncls-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ipv4-uncls-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-ipv4-uncls-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ipv4-uncls-states/>  
</rpc>
```

**Description** Reset IPv4-Unclassified states

### <clear-ddos-ipv4-uncls-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ipv4-uncls-statistics/>  
</rpc>
```

**Description** Clear IPv4-Unclassified statistics

### <clear-ddos-ipv6-uncls-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ipv6-uncls-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-ipv6-uncls-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ipv6-uncls-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-ipv6-uncls-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ipv6-uncls-states/>  
</rpc>
```

**Description** Reset IPv6-Unclassified states

### <clear-ddos-ipv6-uncls-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ipv6-uncls-statistics/>  
</rpc>
```

**Description** Clear IPv6-Unclassified statistics

### <clear-ddos-isis-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-isis-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-isis-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-isis-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-isis-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-isis-states/>  
</rpc>
```

**Description**    Reset ISIS states

## <clear-ddos-isis-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-isis-statistics/>  
</rpc>
```

**Description**    Clear ISIS statistics

## <clear-ddos-jfm-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-jfm-aggregate-states/>  
</rpc>
```

**Description**    Reset aggregate states

## <clear-ddos-jfm-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-jfm-aggregate-statistics/>  
</rpc>
```

**Description**    Clear aggregate statistics

## <clear-ddos-jfm-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-jfm-states/>  
</rpc>
```

**Description**    Reset JFM states



### <clear-ddos-jfm-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-jfm-statistics/>  
</rpc>
```

**Description** Clear JFM statistics

### <clear-ddos-l2tp-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-l2tp-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-l2tp-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-l2tp-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-l2tp-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-l2tp-states/>  
</rpc>
```

**Description** Reset L2TP states

### <clear-ddos-l2tp-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-l2tp-statistics/>  
</rpc>
```

**Description** Clear L2TP statistics

## <clear-ddos-lacp-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-lacp-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

## <clear-ddos-lacp-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-lacp-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-lacp-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-lacp-states/>  
</rpc>
```

**Description** Reset LACP states

## <clear-ddos-lacp-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-lacp-statistics/>  
</rpc>
```

**Description** Clear LACP statistics

## <clear-ddos-ldp-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ldp-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-ldp-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ldp-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-ldp-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ldp-states/>  
</rpc>
```

**Description** Reset LDP states

### <clear-ddos-ldp-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ldp-statistics/>  
</rpc>
```

**Description** Clear LDP statistics

### <clear-ddos-ldpv6-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ldpv6-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-ldpv6-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ldpv6-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-ldpv6-states>

---

**Usage**

```
<rpc>
  <clear-ddos-ldpv6-states/>
</rpc>
```

**Description** Reset LDPv6 states

## <clear-ddos-ldpv6-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-ldpv6-statistics/>
</rpc>
```

**Description** Clear LDPv6 statistics

## <clear-ddos-lldp-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-lldp-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

## <clear-ddos-lldp-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-lldp-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-lldp-states>

---

**Usage**

```
<rpc>
  <clear-ddos-lldp-states/>
</rpc>
```

**Description** Reset LLDP states

### <clear-ddos-lldp-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-lldp-statistics/>  
</rpc>
```

**Description** Clear LLDP statistics

### <clear-ddos-lmp-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-lmp-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-lmp-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-lmp-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-lmp-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-lmp-states/>  
</rpc>
```

**Description** Reset LMP states

### <clear-ddos-lmp-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-lmp-statistics/>  
</rpc>
```

**Description** Clear LMP statistics

## <clear-ddos-lmpv6-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-lmpv6-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

## <clear-ddos-lmpv6-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-lmpv6-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-lmpv6-states>

---

**Usage**

```
<rpc>
  <clear-ddos-lmpv6-states/>
</rpc>
```

**Description** Reset LMPv6 states

## <clear-ddos-lmpv6-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-lmpv6-statistics/>
</rpc>
```

**Description** Clear LMPv6 statistics

## <clear-ddos-mac-host-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-mac-host-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-mac-host-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-mac-host-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-mac-host-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-mac-host-states/>  
</rpc>
```

**Description** Reset Mac-Host states

### <clear-ddos-mac-host-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-mac-host-statistics/>  
</rpc>
```

**Description** Clear Mac-Host statistics

### <clear-ddos-mcast-copy-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-mcast-copy-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-mcast-copy-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-mcast-copy-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-mcast-copy-states>

---

**Usage**

```
<rpc>
  <clear-ddos-mcast-copy-states/>
</rpc>
```

**Description** Reset Multicast-Copy states

## <clear-ddos-mcast-copy-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-mcast-copy-statistics/>
</rpc>
```

**Description** Clear Multicast-Copy statistics

## <clear-ddos-mlp-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-mlp-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

## <clear-ddos-mlp-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-mlp-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-mlp-aging-exc-states>

---

**Usage**

```
<rpc>
  <clear-ddos-mlp-aging-exc-states/>
</rpc>
```

**Description** Reset aging-exception states



### <clear-ddos-mlp-aging-exc-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-mlp-aging-exc-statistics/>  
</rpc>
```

**Description** Clear aging-exception statistics

### <clear-ddos-mlp-packets-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-mlp-packets-states/>  
</rpc>
```

**Description** Reset packets states

### <clear-ddos-mlp-packets-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-mlp-packets-statistics/>  
</rpc>
```

**Description** Clear packets statistics

### <clear-ddos-mlp-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-mlp-states/>  
</rpc>
```

**Description** Reset MLP states

### <clear-ddos-mlp-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-mlp-statistics/>  
</rpc>
```

**Description** Clear MLP statistics

## <clear-ddos-mlp-unclass-states>

---

**Usage**

```
<rpc>
  <clear-ddos-mlp-unclass-states/>
</rpc>
```

**Description** Reset unclassified states

## <clear-ddos-mlp-unclass-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-mlp-unclass-statistics/>
</rpc>
```

**Description** Clear unclassified statistics

## <clear-ddos-msdp-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-msdp-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

## <clear-ddos-msdp-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-msdp-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-msdp-states>

---

**Usage**

```
<rpc>
  <clear-ddos-msdp-states/>
</rpc>
```

**Description** Reset MSDP states

### <clear-ddos-msdp-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-msdp-statistics/>
</rpc>
```

**Description** Clear MSDP statistics

### <clear-ddos-msdpv6-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-msdpv6-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-msdpv6-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-msdpv6-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-msdpv6-states>

---

**Usage**

```
<rpc>
  <clear-ddos-msdpv6-states/>
</rpc>
```

**Description** Reset MSDPv6 states

### <clear-ddos-msdpv6-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-msdpv6-statistics/>
</rpc>
```

**Description** Clear MSDPv6 statistics

### <clear-ddos-mvrp-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-mvrp-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-mvrp-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-mvrp-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-mvrp-states>

---

**Usage**

```
<rpc>
  <clear-ddos-mvrp-states/>
</rpc>
```

**Description** Reset MVRP states

### <clear-ddos-mvrp-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-mvrp-statistics/>
</rpc>
```

**Description** Clear MVRP statistics

### <clear-ddos-ntp-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-ntp-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-ntp-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ntp-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-ntp-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ntp-states/>  
</rpc>
```

**Description** Reset NTP states

### <clear-ddos-ntp-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ntp-statistics/>  
</rpc>
```

**Description** Clear NTP statistics

### <clear-ddos-oam-lfm-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-oam-lfm-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-oam-lfm-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-oam-lfm-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-oam-lfm-states>

---

**Usage**

```
<rpc>
  <clear-ddos-oam-lfm-states/>
</rpc>
```

**Description** Reset OAM-LFM states

## <clear-ddos-oam-lfm-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-oam-lfm-statistics/>
</rpc>
```

**Description** Clear OAM-LFM statistics

## <clear-ddos-ospf-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-ospf-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

## <clear-ddos-ospf-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-ospf-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-ospf-states>

---

**Usage**

```
<rpc>
  <clear-ddos-ospf-states/>
</rpc>
```

**Description** Reset OSPF states

### <clear-ddos-ospf-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ospf-statistics/>  
</rpc>
```

**Description** Clear OSPF statistics

### <clear-ddos-ospfv3v6-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ospfv3v6-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-ospfv3v6-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ospfv3v6-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-ospfv3v6-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ospfv3v6-states/>  
</rpc>
```

**Description** Reset OSPFv3v6 states

### <clear-ddos-ospfv3v6-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ospfv3v6-statistics/>  
</rpc>
```

**Description** Clear OSPFv3v6 statistics

## <clear-ddos-pfe-alive-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-pfe-alive-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

## <clear-ddos-pfe-alive-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-pfe-alive-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-pfe-alive-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-pfe-alive-states/>  
</rpc>
```

**Description** Reset Pfe-Alive states

## <clear-ddos-pfe-alive-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-pfe-alive-statistics/>  
</rpc>
```

**Description** Clear Pfe-Alive statistics

## <clear-ddos-pim-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-pim-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states



### <clear-ddos-pim-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-pim-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-pim-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-pim-states/>  
</rpc>
```

**Description** Reset PIM states

### <clear-ddos-pim-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-pim-statistics/>  
</rpc>
```

**Description** Clear PIM statistics

### <clear-ddos-pmvrp-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-pmvrp-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-pmvrp-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-pmvrp-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-pmvrp-states>

---

**Usage**

```
<rpc>
  <clear-ddos-pmvrp-states/>
</rpc>
```

**Description** Reset PMVRP states

## <clear-ddos-pmvrp-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-pmvrp-statistics/>
</rpc>
```

**Description** Clear PMVRP statistics

## <clear-ddos-pos-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-pos-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

## <clear-ddos-pos-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-pos-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-pos-states>

---

**Usage**

```
<rpc>
  <clear-ddos-pos-states/>
</rpc>
```

**Description** Reset POS states

### <clear-ddos-pos-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-pos-statistics/>  
</rpc>
```

**Description** Clear POS statistics

### <clear-ddos-ppp-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ppp-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-ppp-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ppp-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-ppp-auth-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ppp-auth-states/>  
</rpc>
```

**Description** Reset authentication states

### <clear-ddos-ppp-auth-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ppp-auth-statistics/>  
</rpc>
```

**Description** Clear authentication statistics

### <clear-ddos-ppp-ipcp-states>

---

**Usage**

```
<rpc>
  <clear-ddos-ppp-ipcp-states/>
</rpc>
```

**Description** Reset ipcp states

### <clear-ddos-ppp-ipcp-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-ppp-ipcp-statistics/>
</rpc>
```

**Description** Clear ipcp statistics

### <clear-ddos-ppp-ipv6cp-states>

---

**Usage**

```
<rpc>
  <clear-ddos-ppp-ipv6cp-states/>
</rpc>
```

**Description** Reset ipv6cp states

### <clear-ddos-ppp-ipv6cp-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-ppp-ipv6cp-statistics/>
</rpc>
```

**Description** Clear ipv6cp statistics

### <clear-ddos-ppp-isis-states>

---

**Usage**

```
<rpc>
  <clear-ddos-ppp-isis-states/>
</rpc>
```

**Description** Reset isis states

### <clear-ddos-ppp-isis-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ppp-isis-statistics/>  
</rpc>
```

**Description** Clear isis statistics

### <clear-ddos-ppp-lcp-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ppp-lcp-states/>  
</rpc>
```

**Description** Reset lcp states

### <clear-ddos-ppp-lcp-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ppp-lcp-statistics/>  
</rpc>
```

**Description** Clear lcp statistics

### <clear-ddos-ppp-mplscp-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ppp-mplscp-states/>  
</rpc>
```

**Description** Reset mplscp states

### <clear-ddos-ppp-mplscp-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ppp-mplscp-statistics/>  
</rpc>
```

**Description** Clear mplscp statistics

## <clear-ddos-ppp-states>

---

**Usage**

```
<rpc>
  <clear-ddos-ppp-states/>
</rpc>
```

**Description**    Reset PPP states

## <clear-ddos-ppp-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-ppp-statistics/>
</rpc>
```

**Description**    Clear PPP statistics

## <clear-ddos-pppoe-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-pppoe-aggregate-states/>
</rpc>
```

**Description**    Reset aggregate states

## <clear-ddos-pppoe-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-pppoe-aggregate-statistics/>
</rpc>
```

**Description**    Clear aggregate statistics

## <clear-ddos-pppoe-padi-states>

---

**Usage**

```
<rpc>
  <clear-ddos-pppoe-padi-states/>
</rpc>
```

**Description**    Reset padi states

### <clear-ddos-pppoe-padi-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-pppoe-padi-statistics/>  
</rpc>
```

**Description** Clear padi statistics

### <clear-ddos-pppoe-padm-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-pppoe-padm-states/>  
</rpc>
```

**Description** Reset padm states

### <clear-ddos-pppoe-padm-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-pppoe-padm-statistics/>  
</rpc>
```

**Description** Clear padm statistics

### <clear-ddos-pppoe-padn-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-pppoe-padn-states/>  
</rpc>
```

**Description** Reset padn states

### <clear-ddos-pppoe-padn-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-pppoe-padn-statistics/>  
</rpc>
```

**Description** Clear padn statistics

### <clear-ddos-pppoe-pado-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-pppoe-pado-states/>  
</rpc>
```

**Description**    Reset pado states

### <clear-ddos-pppoe-pado-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-pppoe-pado-statistics/>  
</rpc>
```

**Description**    Clear pado statistics

### <clear-ddos-pppoe-padr-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-pppoe-padr-states/>  
</rpc>
```

**Description**    Reset padr states

### <clear-ddos-pppoe-padr-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-pppoe-padr-statistics/>  
</rpc>
```

**Description**    Clear padr statistics

### <clear-ddos-pppoe-pads-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-pppoe-pads-states/>  
</rpc>
```

**Description**    Reset pads states



### <clear-ddos-pppoe-pads-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-pppoe-pads-statistics/>  
</rpc>
```

**Description** Clear pads statistics

### <clear-ddos-pppoe-padt-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-pppoe-padt-states/>  
</rpc>
```

**Description** Reset padt states

### <clear-ddos-pppoe-padt-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-pppoe-padt-statistics/>  
</rpc>
```

**Description** Clear padt statistics

### <clear-ddos-pppoe-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-pppoe-states/>  
</rpc>
```

**Description** Reset PPPoE states

### <clear-ddos-pppoe-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-pppoe-statistics/>  
</rpc>
```

**Description** Clear PPPoE statistics

## <clear-ddos-protocols-states>

---

**Usage**

```
<rpc>
  <clear-ddos-protocols-states/>
</rpc>
```

**Description** Reset states of all protocols

## <clear-ddos-protocols-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-protocols-statistics/>
</rpc>
```

**Description** Clear statistics of all protocols

## <clear-ddos-ntp-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-ntp-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

## <clear-ddos-ntp-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-ntp-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-ntp-states>

---

**Usage**

```
<rpc>
  <clear-ddos-ntp-states/>
</rpc>
```

**Description** Reset NTP states

### <clear-ddos-ptp-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-ptp-statistics/>
</rpc>
```

**Description** Clear PTP statistics

### <clear-ddos-pvstp-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-pvstp-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-pvstp-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-pvstp-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-pvstp-states>

---

**Usage**

```
<rpc>
  <clear-ddos-pvstp-states/>
</rpc>
```

**Description** Reset PVSTP states

### <clear-ddos-pvstp-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-pvstp-statistics/>
</rpc>
```

**Description** Clear PVSTP statistics

### <clear-ddos-radius-account-states>

---

**Usage**

```
<rpc>
  <clear-ddos-radius-account-states/>
</rpc>
```

**Description**    Reset accounting states

### <clear-ddos-radius-account-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-radius-account-statistics/>
</rpc>
```

**Description**    Clear accounting statistics

### <clear-ddos-radius-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-radius-aggregate-states/>
</rpc>
```

**Description**    Reset aggregate states

### <clear-ddos-radius-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-radius-aggregate-statistics/>
</rpc>
```

**Description**    Clear aggregate statistics

### <clear-ddos-radius-auth-states>

---

**Usage**

```
<rpc>
  <clear-ddos-radius-auth-states/>
</rpc>
```

**Description**    Reset authorization states

### <clear-ddos-radius-auth-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-radius-auth-statistics/>  
</rpc>
```

**Description** Clear authorization statistics

### <clear-ddos-radius-server-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-radius-server-states/>  
</rpc>
```

**Description** Reset server states

### <clear-ddos-radius-server-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-radius-server-statistics/>  
</rpc>
```

**Description** Clear server statistics

### <clear-ddos-radius-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-radius-states/>  
</rpc>
```

**Description** Reset Radius states

### <clear-ddos-radius-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-radius-statistics/>  
</rpc>
```

**Description** Clear Radius statistics

## <clear-ddos-redirect-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-redirect-aggregate-states/>  
</rpc>
```

**Description**    Reset aggregate states

## <clear-ddos-redirect-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-redirect-aggregate-statistics/>  
</rpc>
```

**Description**    Clear aggregate statistics

## <clear-ddos-redirect-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-redirect-states/>  
</rpc>
```

**Description**    Reset Redirect states

## <clear-ddos-redirect-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-redirect-statistics/>  
</rpc>
```

**Description**    Clear Redirect statistics

## <clear-ddos-rip-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-rip-aggregate-states/>  
</rpc>
```

**Description**    Reset aggregate states

### <clear-ddos-rip-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-rip-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-rip-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-rip-states/>  
</rpc>
```

**Description** Reset RIP states

### <clear-ddos-rip-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-rip-statistics/>  
</rpc>
```

**Description** Clear RIP statistics

### <clear-ddos-ripv6-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ripv6-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-ripv6-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ripv6-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-ripv6-states>

---

**Usage**

```
<rpc>
  <clear-ddos-ripv6-states/>
</rpc>
```

**Description** Reset RIPv6 states

## <clear-ddos-ripv6-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-ripv6-statistics/>
</rpc>
```

**Description** Clear RIPv6 statistics

## <clear-ddos-rsvp-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-rsvp-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

## <clear-ddos-rsvp-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-rsvp-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-rsvp-states>

---

**Usage**

```
<rpc>
  <clear-ddos-rsvp-states/>
</rpc>
```

**Description** Reset RSVP states



### <clear-ddos-rsvp-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-rsvp-statistics/>
</rpc>
```

**Description** Clear RSVP statistics

### <clear-ddos-rsvpv6-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-rsvpv6-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-rsvpv6-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-rsvpv6-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-rsvpv6-states>

---

**Usage**

```
<rpc>
  <clear-ddos-rsvpv6-states/>
</rpc>
```

**Description** Reset RSVPv6 states

### <clear-ddos-rsvpv6-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-rsvpv6-statistics/>
</rpc>
```

**Description** Clear RSVPv6 statistics

## <clear-ddos-services-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-services-aggregate-states/>  
</rpc>
```

**Description**    Reset aggregate states

## <clear-ddos-services-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-services-aggregate-statistics/>  
</rpc>
```

**Description**    Clear aggregate statistics

## <clear-ddos-services-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-services-states/>  
</rpc>
```

**Description**    Reset Services states

## <clear-ddos-services-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-services-statistics/>  
</rpc>
```

**Description**    Clear Services statistics

## <clear-ddos-snmp-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-snmp-aggregate-states/>  
</rpc>
```

**Description**    Reset aggregate states

### <clear-ddos-snmp-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-snmp-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-snmp-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-snmp-states/>  
</rpc>
```

**Description** Reset SNMP states

### <clear-ddos-snmp-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-snmp-statistics/>  
</rpc>
```

**Description** Clear SNMP statistics

### <clear-ddos-snmpv6-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-snmpv6-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-snmpv6-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-snmpv6-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-snmpv6-states>

---

**Usage**

```
<rpc>
  <clear-ddos-snmpv6-states/>
</rpc>
```

**Description** Reset SNMPv6 states

### <clear-ddos-snmpv6-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-snmpv6-statistics/>
</rpc>
```

**Description** Clear SNMPv6 statistics

### <clear-ddos-ssh-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-ssh-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-ssh-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-ssh-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-ssh-states>

---

**Usage**

```
<rpc>
  <clear-ddos-ssh-states/>
</rpc>
```

**Description** Reset SSH states

### <clear-ddos-ssh-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ssh-statistics/>  
</rpc>
```

**Description** Clear SSH statistics

### <clear-ddos-sshv6-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-sshv6-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-sshv6-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-sshv6-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-sshv6-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-sshv6-states/>  
</rpc>
```

**Description** Reset SSHv6 states

### <clear-ddos-sshv6-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-sshv6-statistics/>  
</rpc>
```

**Description** Clear SSHv6 statistics

## <clear-ddos-stp-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-stp-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

## <clear-ddos-stp-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-stp-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-stp-states>

---

**Usage**

```
<rpc>
  <clear-ddos-stp-states/>
</rpc>
```

**Description** Reset STP states

## <clear-ddos-stp-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-stp-statistics/>
</rpc>
```

**Description** Clear STP statistics

## <clear-ddos-tacacs-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-tacacs-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-tacacs-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-tacacs-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-tacacs-states>

---

**Usage**

```
<rpc>
  <clear-ddos-tacacs-states/>
</rpc>
```

**Description** Reset TACACS states

### <clear-ddos-tacacs-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-tacacs-statistics/>
</rpc>
```

**Description** Clear TACACS statistics

### <clear-ddos-tcp-flags-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-tcp-flags-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-tcp-flags-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-tcp-flags-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-tcp-flags-establish-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-tcp-flags-establish-states/>  
</rpc>
```

**Description**    Reset established states

### <clear-ddos-tcp-flags-establish-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-tcp-flags-establish-statistics/>  
</rpc>
```

**Description**    Clear established statistics

### <clear-ddos-tcp-flags-initial-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-tcp-flags-initial-states/>  
</rpc>
```

**Description**    Reset initial states

### <clear-ddos-tcp-flags-initial-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-tcp-flags-initial-statistics/>  
</rpc>
```

**Description**    Clear initial statistics

### <clear-ddos-tcp-flags-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-tcp-flags-states/>  
</rpc>
```

**Description**    Reset TCP-Flags states



### <clear-ddos-tcp-flags-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-tcp-flags-statistics/>  
</rpc>
```

**Description** Clear TCP-Flags statistics

### <clear-ddos-tcp-flags-unclass-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-tcp-flags-unclass-states/>  
</rpc>
```

**Description** Reset unclassified states

### <clear-ddos-tcp-flags-unclass-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-tcp-flags-unclass-statistics/>  
</rpc>
```

**Description** Clear unclassified statistics

### <clear-ddos-telnet-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-telnet-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-telnet-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-telnet-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-telnet-states>

---

**Usage**

```
<rpc>
  <clear-ddos-telnet-states/>
</rpc>
```

**Description** Reset Telnet states

## <clear-ddos-telnet-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-telnet-statistics/>
</rpc>
```

**Description** Clear Telnet statistics

## <clear-ddos-telnetv6-aggregate-states>

---

**Usage**

```
<rpc>
  <clear-ddos-telnetv6-aggregate-states/>
</rpc>
```

**Description** Reset aggregate states

## <clear-ddos-telnetv6-aggregate-statistics>

---

**Usage**

```
<rpc>
  <clear-ddos-telnetv6-aggregate-statistics/>
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-telnetv6-states>

---

**Usage**

```
<rpc>
  <clear-ddos-telnetv6-states/>
</rpc>
```

**Description** Reset Telnetv6 states

### <clear-ddos-telnetv6-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-telnetv6-statistics/>  
</rpc>
```

**Description** Clear Telnetv6 statistics

### <clear-ddos-ttl-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ttl-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-ttl-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ttl-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-ttl-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-ttl-states/>  
</rpc>
```

**Description** Reset TTL states

### <clear-ddos-ttl-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-ttl-statistics/>  
</rpc>
```

**Description** Clear TTL statistics

### <clear-ddos-tun-frag-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-tun-frag-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-tun-frag-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-tun-frag-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-tun-frag-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-tun-frag-states/>  
</rpc>
```

**Description** Reset Tunnel-Fragment states

### <clear-ddos-tun-frag-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-tun-frag-statistics/>  
</rpc>
```

**Description** Clear Tunnel-Fragment statistics

### <clear-ddos-vchassis-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-vchassis-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-vchassis-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-vchassis-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

### <clear-ddos-vchassis-control-hi-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-vchassis-control-hi-states/>  
</rpc>
```

**Description** Reset control-high states

### <clear-ddos-vchassis-control-hi-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-vchassis-control-hi-statistics/>  
</rpc>
```

**Description** Clear control-high statistics

### <clear-ddos-vchassis-control-lo-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-vchassis-control-lo-states/>  
</rpc>
```

**Description** Reset control-low states

### <clear-ddos-vchassis-control-lo-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-vchassis-control-lo-statistics/>  
</rpc>
```

**Description** Clear control-low statistics

### <clear-ddos-vchassis-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-vchassis-states/>  
</rpc>
```

**Description** Reset Virtual-Chassis states

### <clear-ddos-vchassis-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-vchassis-statistics/>  
</rpc>
```

**Description** Clear Virtual-Chassis statistics

### <clear-ddos-vchassis-unclass-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-vchassis-unclass-states/>  
</rpc>
```

**Description** Reset unclassified states

### <clear-ddos-vchassis-unclass-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-vchassis-unclass-statistics/>  
</rpc>
```

**Description** Clear unclassified statistics

### <clear-ddos-vchassis-vc-packets-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-vchassis-vc-packets-states/>  
</rpc>
```

**Description** Reset vc-packets states

### <clear-ddos-vchassis-vc-packets-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-vchassis-vc-packets-statistics/>  
</rpc>
```

**Description** Clear vc-packets statistics

### <clear-ddos-vchassis-vc-ttl-err-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-vchassis-vc-ttl-err-states/>  
</rpc>
```

**Description** Reset vc-ttl-errors states

### <clear-ddos-vchassis-vc-ttl-err-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-vchassis-vc-ttl-err-statistics/>  
</rpc>
```

**Description** Clear vc-ttl-errors statistics

### <clear-ddos-vrrp-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-vrrp-aggregate-states/>  
</rpc>
```

**Description** Reset aggregate states

### <clear-ddos-vrrp-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-vrrp-aggregate-statistics/>  
</rpc>
```

**Description** Clear aggregate statistics

## <clear-ddos-vrrp-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-vrrp-states/>  
</rpc>
```

**Description**    Reset VRRP states

## <clear-ddos-vrrp-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-vrrp-statistics/>  
</rpc>
```

**Description**    Clear VRRP statistics

## <clear-ddos-vrrpv6-aggregate-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-vrrpv6-aggregate-states/>  
</rpc>
```

**Description**    Reset aggregate states

## <clear-ddos-vrrpv6-aggregate-statistics>

---

**Usage**

```
<rpc>  
  <clear-ddos-vrrpv6-aggregate-statistics/>  
</rpc>
```

**Description**    Clear aggregate statistics

## <clear-ddos-vrrpv6-states>

---

**Usage**

```
<rpc>  
  <clear-ddos-vrrpv6-states/>  
</rpc>
```

**Description**    Reset VRRPV6 states



## <clear-ddos-vrrpv6-statistics>

### Usage

```
<rpc>
  <clear-ddos-vrrpv6-statistics/>
</rpc>
```

**Description** Clear VRRPV6 statistics

## <clear-dhcp-relay-binding-information>

### Usage

```
<rpc>
  <clear-dhcp-relay-binding-information>
    <binding-clear-choice>binding-clear-choice</binding-clear-choice> <!-- mandatory
-->
    <address>address</address>
    <all/>
    <routing-instance>routing-instance</routing-instance>
    <bridge-domain>bridge-domain</bridge-domain>
    <logical-system>logical-system</logical-system>
  </clear-dhcp-relay-binding-information>
</rpc>
```

**Description** Clear DHCP client binding information

**Contents** <address>—IP address or MAC address or Session Id of DHCP client binding

<all>—Clear all bindings

<interface>—Name of interface on which to clear bindings

<routing-instance>—Name of routing instance

<bridge-domain>—Name of bridge domain

<logical-system>—Name of logical system

## <clear-dhcp-relay-statistics-information>

### Usage

```
<rpc>
  <clear-dhcp-relay-statistics-information>
    <routing-instance>routing-instance</routing-instance>
    <bridge-domain>bridge-domain</bridge-domain>
    <logical-system>logical-system</logical-system>
  </clear-dhcp-relay-statistics-information>
</rpc>
```

**Description** Clear DHCP statistics

**Contents** <routing-instance>—Name of routing instance  
<bridge-domain>—Name of bridge domain  
<logical-system>—Name of logical system

---

## <clear-dhcp-server-binding-information>

---

### Usage

```
<rpc>
  <clear-dhcp-server-binding-information>
    <binding-clear-choice>binding-clear-choice</binding-clear-choice> <!-- mandatory
-->
    <address>address</address>
    <all/>
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </clear-dhcp-server-binding-information>
</rpc>
```

**Description** Clear DHCP client binding information

**Contents** <address>—IP address or MAC address or Session Id of DHCP client binding  
<all>—Clear all bindings  
<interface>—Name of interface on which to clear bindings  
<routing-instance>—Name of routing instance  
<logical-system>—Name of logical system

---

## <clear-dhcpv6-relay-binding-information>

---

### Usage

```
<rpc>
  <clear-dhcpv6-relay-binding-information>
    <binding-clear-choice>binding-clear-choice</binding-clear-choice> <!-- mandatory
-->
    <address>address</address>
    <all/>
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </clear-dhcpv6-relay-binding-information>
</rpc>
```

**Description** Clear DHCPv6 client binding information

**Contents** <address>—IPv6 prefix, session-id, or CID <cid-len/0x.../0x...>  
 <all>—Clear all bindings  
 <interface>—Name of interface on which to clear bindings  
 <routing-instance>—Name of routing instance  
 <logical-system>—Name of logical system

## <clear-dhcpv6-relay-statistics-information>

### Usage

```
<rpc>
  <clear-dhcpv6-relay-statistics-information>
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </clear-dhcpv6-relay-statistics-information>
</rpc>
```

**Description** Clear DHCPv6 relay statistics

**Contents** <routing-instance>—Name of routing instance  
 <logical-system>—Name of logical system

## <clear-dhcpv6-server-binding-information>

### Usage

```
<rpc>
  <clear-dhcpv6-server-binding-information>
    <binding-clear-choice>binding-clear-choice</binding-clear-choice> <!-- mandatory
  -->
    <address>address</address>
    <all/>
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </clear-dhcpv6-server-binding-information>
</rpc>
```

**Description** Clear DHCPv6 client binding information

**Contents** <address>—IPv6 prefix, session-id, or CID <cid-len/0x.../0x...>  
 <all>—Clear all bindings  
 <interface>—Name of interface on which to clear bindings  
 <routing-instance>—Name of routing instance

<logical-system>—Name of logical system

---

## <clear-dhcpv6-server-statistics-information>

---

### Usage

```
<rpc>
  <clear-dhcpv6-server-statistics-information>
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </clear-dhcpv6-server-statistics-information>
</rpc>
```

**Description** Clear DHCPv6 server statistics

**Contents** <routing-instance>—Name of routing instance  
  
<logical-system>—Name of logical system

---

## <clear-dhcpv6-service-statistics-information>

---

### Usage

```
<rpc>
  <clear-dhcpv6-service-statistics-information>
    <interface>interface</interface>
  </clear-dhcpv6-service-statistics-information>
</rpc>
```

**Description** Clear DHCPv6 service statistics

**Contents** <interface>—Name of interface

---

## <clear-diameter-function>

---

### Usage

```
<rpc>
  <clear-diameter-function>
    <statistics/>
    <jsrc/>
    <charging-gw/>
    <packet-triggered-subscribers/>
    <gx-plus/>
  </clear-diameter-function>
</rpc>
```

**Description** Clear diameter function information

**Contents** <statistics>—Clear diameter function statistics

<jsrc>—Function to use SRC application

<charging-gw>—Function to use CHARGING application

<packet-triggered-subscribers>—Function to use PACKET-TRIGGERED-SUBSCRIBERS application

<gx-plus>—Function to use GX-PLUS application

## <clear-diameter-peer>

### Usage

```
<rpc>
  <clear-diameter-peer>
    <connection/>
    <statistics/>

    <clear-diameter-peer-name>clear-diameter-peer-name</clear-diameter-peer-name>
    <!-- mandatory -->
    </clear-diameter-peer>
  </rpc>
```

**Description** Clear diameter peer information

**Contents** <connection>—Clear diameter peer connection(default)

<statistics>—Clear diameter peer statistics

<clear-diameter-peer-name>—Peer name

## <clear-dot1x-interface-session>

### Usage

```
<rpc>
  <clear-dot1x-interface-session>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </clear-dot1x-interface-session>
</rpc>
```

**Description** Clear 802.1X session on an interface

**Contents** <interface-name>—Name of interface

## <clear-elmi-statistics>

### Usage

```
<rpc>
  <clear-elmi-statistics>
    <interface>interface</interface>
```

```
</clear-elmi-statistics>
</rpc>
```

**Description** Clear ethernet local management statistics

**Contents** <interface>—Name of interface

---

## <clear-ethernet-ring-information>

### Usage

```
<rpc>
  <clear-ethernet-ring-information>
</clear-ethernet-ring-information>
</rpc>
```

**Description** Clear ethernet ring information

**Contents** <clear-ethernet-ring-statistics>—Clear ethernet ring statistics

---

## <clear-ethernet-ring-statistics>

### Usage

```
<rpc>
  <clear-ethernet-ring-statistics>
    <group-name>group-name</group-name>
  </clear-ethernet-ring-statistics>
</rpc>
```

**Description** Clear ethernet ring statistics

**Contents** <group-name>—Name of protection group

---

## <clear-external-manager-statistics>

### Usage

```
<rpc>
  <clear-external-manager-statistics>
    <clear-external-manager-name-statistics>clear-external-manager-name-statistics</clear-external-manager-name-statistics>
  </clear-external-manager-statistics>
</rpc>
```

**Description** Clear external manager statistics

**Contents**    <clear-external-manager-name-statistics>—Clear statistics for a specific external manager

---

## <clear-fabric>

---

**Usage**

```
<rpc>
  <clear-fabric>
</clear-fabric>
</rpc>
```

**Description**    Clear RPDF Internal data structures

**Contents**    <clear-fabric-statistics>—Clear RPDF statistics information

---

## <clear-fabric-statistics>

---

**Usage**

```
<rpc>
  <clear-fabric-statistics/>
</rpc>
```

**Description**    Clear RPDF statistics information

---

## <clear-gx-plus-replay-information>

---

**Usage**

```
<rpc>
  <clear-gx-plus-replay-information/>
</rpc>
```

**Description**    Clear gx-plus replay data: request discovery from remote

---

## <clear-gx-plus-statistics-information>

---

**Usage**

```
<rpc>
  <clear-gx-plus-statistics-information/>
</rpc>
```

**Description**    Clear gx-plus statistics

## <clear-hash-table-information>

---

**Usage**

```
<rpc>
  <clear-hash-table-information>

  <clear-real-server-group-name-hash>clear-real-server-group-name-hash</clear-real-server-group-name-hash>

  </clear-hash-table-information>
</rpc>
```

**Description** Clear server load balance hash table

**Contents** <clear-real-server-group-name-hash>—Clear hash table for a specific real server group

## <clear-health-monitor-statistics>

---

**Usage**

```
<rpc>
  <clear-health-monitor-statistics>

  <clear-health-monitor-name-statistics>clear-health-monitor-name-statistics</clear-health-monitor-name-statistics>

  </clear-health-monitor-statistics>
</rpc>
```

**Description** Clear health monitor statistics

**Contents** <clear-health-monitor-name-statistics>—Clear statistics for a specific health monitor

## <clear-helper-statistics-information>

---

**Usage**

```
<rpc>
  <clear-helper-statistics-information/>
</rpc>
```

**Description** Clear helper statistics

## <clear-idp-appddos-cache>

---

**Usage**

```
<rpc>
  <clear-idp-appddos-cache/>
</rpc>
```



**Description** Clear IDP Application DDoS cache

---

### <clear-idp-application-system-cache>

---

**Usage**

```
<rpc>
  <clear-idp-application-system-cache/>
</rpc>
```

**Description** Clear IDP application system cache

---

### <clear-idp-applications-information>

---

**Usage**

```
<rpc>
  <clear-idp-applications-information/>
</rpc>
```

**Description** Clear IDP application statistics

---

### <clear-idp-attack-table>

---

**Usage**

```
<rpc>
  <clear-idp-attack-table/>
</rpc>
```

**Description** Clear IDP attack table

---

### <clear-idp-counters-by-counter-class>

---

**Usage**

```
<rpc>
  <clear-idp-counters-by-counter-class>
    <counter-class>counter-class</counter-class> <!-- mandatory -->
  </clear-idp-counters-by-counter-class>
</rpc>
```

**Description** Clear IDP counters

**Contents** <counter-class>—

## <clear-idp-ssl-session-cache-information>

---

**Usage**

```
<rpc>
  <clear-idp-ssl-session-cache-information/>
</rpc>
```

**Description** Session ID cache

## <clear-idp-status-information>

---

**Usage**

```
<rpc>
  <clear-idp-status-information/>
</rpc>
```

**Description** Clear IDP status

## <clear-interface-stp-protocol-migration>

---

**Usage**

```
<rpc>
  <clear-interface-stp-protocol-migration>
    <logical-system>logical-system</logical-system>
    <interface-name>interface-name</interface-name>
    <routing-instance>routing-instance</routing-instance>
  </clear-interface-stp-protocol-migration>
</rpc>
```

**Description** Clear Protocol Migration on an interface

**Contents** <logical-system>—Name of logical system

<interface-name>—Name of interface

<routing-instance>—Name of routing instance

## <clear-interfaces-interval>

---

**Usage**

```
<rpc>
  <clear-interfaces-interval>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </clear-interfaces-interval>
</rpc>
```

**Description** Clear interface interval table

**Contents** <interface-name>—Name of physical interface

---

### <clear-interfaces-statistics>

---

**Usage**

```
<rpc>
  <clear-interfaces-statistics>
    <switch-port>switch-port</switch-port>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </clear-interfaces-statistics>
</rpc>
```

**Description** Clear interface statistics

**Contents** <clear-interfaces-statistics-all>—Clear statistics for all interfaces

<switch-port>—Front end port number

<interface-name>—Name of physical or logical interface

---

### <clear-interfaces-statistics-all>

---

**Usage**

```
<rpc>
  <clear-interfaces-statistics-all/>
</rpc>
```

**Description** Clear statistics for all interfaces

---

### <clear-ipv6-nd-information>

---

**Usage**

```
<rpc>
  <clear-ipv6-nd-information>
    <host>host</host>
  </clear-ipv6-nd-information>
</rpc>
```

**Description** Clear IPv6 neighbor cache information

**Contents** <host>—Name of neighbor

<all>—Clear all neighbors

## <clear-isis-adjacency-information>

---

### Usage

```
<rpc>
  <clear-isis-adjacency-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <interface>interface</interface>
    <neighbor>neighbor</neighbor>
  </clear-isis-adjacency-information>
</rpc>
```

**Description** Clear IS-IS adjacencies

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of IS-IS instance

<interface>—Name of interface

<neighbor>—Name of neighbor

## <clear-isis-database-information>

---

### Usage

```
<rpc>
  <clear-isis-database-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <purge/>
    <entries>entries</entries>
  </clear-isis-database-information>
</rpc>
```

**Description** Clear IS-IS database entries

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of IS-IS instance

<purge>—Purge database entries instead of deleting them

<entries>—Name of database entry

## <clear-isis-overload-information>

---

### Usage

```
<rpc>
  <clear-isis-overload-information>
```

```
<logical-system>logical-system</logical-system>
<instance>instance</instance>
</clear-isis-overload-information>
</rpc>
```

**Description** Clear overload bit and regenerate LSPs

**Contents** <logical-system>—Name of logical system, or 'all'  
              <instance>—Name of IS-IS instance

---

### <clear-isis-statistics-information>

---

**Usage**

```
<rpc>
<clear-isis-statistics-information>
<logical-system>logical-system</logical-system>
<instance>instance</instance>
</clear-isis-statistics-information>
</rpc>
```

**Description** Clear IS-IS statistics

**Contents** <logical-system>—Name of logical system, or 'all'  
              <instance>—Name of IS-IS instance

---

### <clear-lacp-interface-statistics>

---

**Usage**

```
<rpc>
<clear-lacp-interface-statistics>
<interface-name>interface-name</interface-name>
</clear-lacp-interface-statistics>
</rpc>
```

**Description** Clear LACP interface statistics

**Contents** <interface-name>—Name of interface

---

### <clear-lacp-statistics>

---

**Usage**

```
<rpc>
<clear-lacp-statistics>
</clear-lacp-statistics>
```

```
</rpc>
```

**Description** Clear LACP statistics

**Contents** <clear-lACP-interface-statistics>—Clear LACP interface statistics

---

## <clear-local-policy-decision-function-statistics-interface>

---

### Usage

```
<rpc>
  <clear-local-policy-decision-function-statistics-interface>
    <interface-name>interface-name</interface-name>
  </clear-local-policy-decision-function-statistics-interface>
</rpc>
```

**Description** Clear local policy decision function statistics by interface name

**Contents** <interface-name>—

---

## <clear-local-policy-decision-function-statistics-subscriber>

---

### Usage

```
<rpc>
  <clear-local-policy-decision-function-statistics-subscriber>
    <subscriber>subscriber</subscriber>
  </clear-local-policy-decision-function-statistics-subscriber>
</rpc>
```

**Description** Clear local policy decision function statistics by subscriber name

**Contents** <subscriber>—

---

## <clear-log>

---

### Usage

```
<rpc>
  <clear-log>
    <filename>filename</filename> <!-- mandatory -->
    <all/>
  </clear-log>
</rpc>
```

**Description** Clear contents of log file

**Contents** <filename>—Name of log file

<all>—Also delete all archive (.gz) files for specified file

## <clear-mac-rewrite-error>

### Usage

```
<rpc>
<clear-mac-rewrite-error>
<interface-name>interface-name</interface-name>
</clear-mac-rewrite-error>
</rpc>
```

**Description** Clear mac-rewrite error on an interface

**Contents** <interface-name>—Name of interface

## <clear-mpls-lsp-information>

### Usage

```
<rpc>
<clear-mpls-lsp-information>
<logical-system>logical-system</logical-system>
<optimize/>
<optimize-aggressive/>
<statistics/>
<autobandwidth/>
<regex>regex</regex>
<path>path</path>
</clear-mpls-lsp-information>
</rpc>
```

**Description** Reset nontransit or egress LSPs originating on this router

**Contents** <logical-system>—Name of logical system, or 'all'

<optimize>—Perform nonpreemptive optimization computation now

<optimize-aggressive>—Perform aggressive optimization computation now

<statistics>—Clear LSP statistics

<autobandwidth>—Clear LSP autobandwidth counters

<regex>—Regular expression for LSP names to match

<path>—Regular expression for LSP path to match

## <clear-mpls-static-lsp-information>

---

**Usage**

```
<rpc>
  <clear-mpls-static-lsp-information>
    <logical-system>logical-system</logical-system>
    <statistics/>
    <regex>regex</regex>
  </clear-mpls-static-lsp-information>
</rpc>
```

**Description** Reset static LSP statistics

**Contents** <logical-system>—Name of logical system, or 'all'

<statistics>—Clear LSP statistics

<regex>—Regular expression for LSP names to match

## <clear-mvrp-interface-statistics>

---

**Usage**

```
<rpc>
  <clear-mvrp-interface-statistics>
    <logical-system>logical-system</logical-system>
    <routing-instance>routing-instance</routing-instance>
    <interface>interface</interface>
  </clear-mvrp-interface-statistics>
</rpc>
```

**Description** Clear MVRP interface statistics

**Contents** <logical-system>—Name of logical system

<routing-instance>—Name of routing instance

<interface>—Name of interface

## <clear-node-secret-file>

---

**Usage**

```
<rpc>
  <clear-node-secret-file/>
</rpc>
```

**Description** Delete SecurID authentication node secret file



## <clear-ospf-database-information>

### Usage

```

<rpc>
  <clear-ospf-database-information>
    <logical-system>logical-system</logical-system>
    <purge/>
    <router/>
    <network/>
    <netsummary/>
    <asbrsummary/>
    <external/>
    <nssa/>
    <link-local/>
    <opaque-area/>
    <area>area</area>
    <lsa-id>lsa-id</lsa-id>
    <advertising-router>advertising-router</advertising-router>
    <instance>instance</instance>
  </clear-ospf-database-information>
</rpc>

```

**Description** Clear OSPF database entries

**Contents** <logical-system>—Name of logical system, or 'all'

- self - Router ID of this router
- router-id - Router ID of advertising router

<purge>—Purge database entries instead of deleting them

- self - Router ID of this router
- router-id - Router ID of advertising router

<router>—Router link-state advertisements

- self - Router ID of this router
- router-id - Router ID of advertising router

<network>—Network link-state advertisements

- self - Router ID of this router
- router-id - Router ID of advertising router

<netsummary>—Summary network link-state advertisements

- self - Router ID of this router
- router-id - Router ID of advertising router

<asbrsummary>—Summary AS boundary router link-state advertisements

- self - Router ID of this router
- router-id - Router ID of advertising router

<external>—External link-state advertisements

- self - Router ID of this router
- router-id - Router ID of advertising router

<nssa>—Not-so-stubby area link-state advertisements

- self - Router ID of this router
- router-id - Router ID of advertising router

<link-local>—Link local link-state advertisements

- self - Router ID of this router
- router-id - Router ID of advertising router

<opaque-area>—Opaque area-scope link-state advertisements

- self - Router ID of this router
- router-id - Router ID of advertising router

<area>—OSPF area ID

- self - Router ID of this router
- router-id - Router ID of advertising router

<lsa-id>—Link-state advertisement ID

- self - Router ID of this router
- router-id - Router ID of advertising router

<advertising-router>—Router ID of advertising router

- self - Router ID of this router
- router-id - Router ID of advertising router

<instance>—Name of OSPF instance

---

## <clear-ospf-io-statistics-information>

---

### Usage

```
<rpc>
  <clear-ospf-io-statistics-information>
    <logical-system>logical-system</logical-system>
  </clear-ospf-io-statistics-information>
```

```
</rpc>
```

**Description** Clear OSPF I/O statistics

**Contents** <logical-system>—Name of logical system, or 'all'

## <clear-ospf-neighbor-information>

---

### Usage

```
<rpc>
<clear-ospf-neighbor-information>
<logical-system>logical-system</logical-system>
<interface>interface</interface>
<neighbor>neighbor</neighbor>
<area>area</area>
<instance>instance</instance>
</clear-ospf-neighbor-information>
</rpc>
```

**Description** Clear OSPF neighbors

**Contents** <logical-system>—Name of logical system, or 'all'

<interface>—Name of logical interface

<neighbor>—Name of neighbor

<area>—OSPF area ID

<instance>—Name of OSPF instance

## <clear-ospf-overload-information>

---

### Usage

```
<rpc>
<clear-ospf-overload-information>
<logical-system>logical-system</logical-system>
<instance>instance</instance>
</clear-ospf-overload-information>
</rpc>
```

**Description** Clear overload bit and rebuild LSAs

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of OSPF instance

## <clear-ospf-statistics-information>

---

### Usage

```
<rpc>
  <clear-ospf-statistics-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
  </clear-ospf-statistics-information>
</rpc>
```

**Description** Clear OSPF statistics

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of OSPF instance

## <clear-ospf3-database-information>

---

### Usage

```
<rpc>
  <clear-ospf3-database-information>
    <logical-system>logical-system</logical-system>
    <purge/>
    <router/>
    <network/>
    <inter-area-prefix/>
    <inter-area-router/>
    <external/>
    <nssa/>
    <link/>
    <link-local/>
    <intra-area-prefix/>
    <area>area</area>
    <lsa-id>lsa-id</lsa-id>
    <advertising-router>advertising-router</advertising-router>
    <instance>instance</instance>
    <realm>realm</realm>
  </clear-ospf3-database-information>
</rpc>
```

**Description** Clear OSPFv3 database entries

**Contents** <logical-system>—Name of logical system, or 'all'

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm

- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<purge>—Purge database entries instead of deleting them

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<router>—Router LSAs

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<network>—Network LSAs

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<inter-area-prefix>—Inter-area-prefix LSAs

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<inter-area-router>—Inter-area-router LSAs

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm

- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<external>—External LSAs

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<nssa>—NSSA LSAs

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<link>—Link LSAs

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<link-local>—Link-local LSAs

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<intra-area-prefix>—Intra-area-prefix LSAs

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm

- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<area>—Area ID of OSPFv3 area

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<lsa-id>—ID of link-state advertisement

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<advertising-router>—Router ID of advertising router

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<instance>—Name of OSPFv3 instance

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<realm>—Name of realm

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

## <clear-ospf3-io-statistics-information>

---

**Usage**

```
<rpc>
  <clear-ospf3-io-statistics-information>
    <logical-system>logical-system</logical-system>
  </clear-ospf3-io-statistics-information>
</rpc>
```

**Description** Clear OSPFv3 I/O statistics

**Contents** <logical-system>—Name of logical system, or 'all'

## <clear-ospf3-neighbor-information>

---

**Usage**

```
<rpc>
  <clear-ospf3-neighbor-information>
    <logical-system>logical-system</logical-system>
    <interface>interface</interface>
    <neighbor>neighbor</neighbor>
    <area>area</area>
    <instance>instance</instance>
    <realm>realm</realm>
  </clear-ospf3-neighbor-information>
</rpc>
```

**Description** Clear OSPFv3 neighbors

**Contents** <logical-system>—Name of logical system, or 'all'

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<interface>—Name of logical interface

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<neighbor>—Name of OSPFv3 neighbor

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm



<area>—OSPF area ID

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<instance>—Name of OSPFv3 instance

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<realm>—Name of realm

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

## <clear-ospf3-overload-information>

### Usage

```
<rpc>
<clear-ospf3-overload-information>
  <logical-system>logical-system</logical-system>
  <instance>instance</instance>
  <realm>realm</realm>
</clear-ospf3-overload-information>
</rpc>
```

**Description** Clear overload bit and rebuild LSAs

**Contents** <logical-system>—Name of logical system, or 'all'

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<instance>—Name of OSPFv3 instance

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<realm>—Name of realm

- ipv6-multicast - IPv6 multicast realm

- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

## <clear-ospf3-statistics-information>

---

### Usage

```
<rpc>
  <clear-ospf3-statistics-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <realm>realm</realm>
  </clear-ospf3-statistics-information>
</rpc>
```

**Description** Clear OSPFv3 statistics

**Contents** <logical-system>—Name of logical system, or 'all'

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<instance>—Name of OSPFv3 instance

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<realm>—Name of realm

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

## <clear-passive-monitoring>

---

### Usage

```
<rpc>
  <clear-passive-monitoring>
</clear-passive-monitoring>
</rpc>
```

**Description** Clear passive monitoring statistics

**Contents** <clear-passive-monitoring-statistics>—Clear statistics

## <clear-passive-monitoring-statistics>

---

**Usage**

```
<rpc>
  <clear-passive-monitoring-statistics>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </clear-passive-monitoring-statistics>
</rpc>
```

**Description** Clear statistics

**Contents** <interface-name>—Name of monitoring interface, wildcard, or 'all'

## <clear-pki-ca-certificate>

---

**Usage**

```
<rpc>
  <clear-pki-ca-certificate>
    <ca-choice>ca-choice</ca-choice> <!-- mandatory -->
    <ca-profile>ca-profile</ca-profile>
    <all/>
  </clear-pki-ca-certificate>
</rpc>
```

**Description** Clear CA/RA certificate

**Contents** <ca-profile>—Certificate authority profile  
 <all>—Clear all CA certificates

## <clear-pki-certificate-request>

---

**Usage**

```
<rpc>
  <clear-pki-certificate-request>
    <certificate-request-choice>certificate-request-choice</certificate-request-choice>
  <!-- mandatory -->
    <certificate-id>certificate-id</certificate-id>
    <all/>
  </clear-pki-certificate-request>
</rpc>
```

**Description** Clear router certificate request

**Contents** <certificate-id>—Certificate identifier

<all>—Clear all certificate requests

---

## <clear-pki-crl>

---

### Usage

```
<rpc>
  <clear-pki-crl>
    <ca-choice>ca-choice</ca-choice> <!-- mandatory -->
    <ca-profile>ca-profile</ca-profile>
  </clear-pki-crl>
</rpc>
```

**Description** Clear certificate revocation list

**Contents** <ca-profile>—Certificate authority profile

<all>—Clear all CRLs

---

## <clear-pki-key-pair>

---

### Usage

```
<rpc>
  <clear-pki-key-pair>
    <certificate-choice>certificate-choice</certificate-choice> <!-- mandatory -->
    <certificate-id>certificate-id</certificate-id>
  </clear-pki-key-pair>
</rpc>
```

**Description** Clear key pair

**Contents** <certificate-id>—Certificate identifier

<all>—Clear all local certificates

---

## <clear-pki-local-certificate>

---

### Usage

```
<rpc>
  <clear-pki-local-certificate>
    <certificate-choice>certificate-choice</certificate-choice> <!-- mandatory -->
    <certificate-id>certificate-id</certificate-id>
    <system-generated/>
  </clear-pki-local-certificate>
</rpc>
```

**Description** Clear local certificate

**Contents** <certificate-id>—Certificate identifier  
<system-generated>—Clear autogenerated self-signed certificate  
<all>—Clear all local certificates

---

### <clear-ppp-statistics-information>

---

**Usage**

```
<rpc>
  <clear-ppp-statistics-information>
    <memory/>
  </clear-ppp-statistics-information>
</rpc>
```

**Description** Clear PPP statistics

**Contents** <memory>—Clear PPP process memory statistics

---

### <clear-pppoe-sessions-information>

---

**Usage**

```
<rpc>
  <clear-pppoe-sessions-information>
    <interface>interface</interface>
  </clear-pppoe-sessions-information>
</rpc>
```

**Description** Clear sessions on all interfaces

**Contents** <interface>—Name of PPPoE logical interface

---

### <clear-pppoe-statistics-information>

---

**Usage**

```
<rpc>
  <clear-pppoe-statistics-information>

    <underlying-interface-name>underlying-interface-name</underlying-interface-name>

  </clear-pppoe-statistics-information>
</rpc>
```

**Description** Clear sum of statistics of all interfaces

**Contents** <clear-pppoe-statistics-interface-information>—Clear interface information  
<underlying-interface-name>—Name of PPPoE underlying logical interface

---

## <clear-pppoe-statistics-interface-information>

---

### Usage

```
<rpc>  
  <clear-pppoe-statistics-interface-information>  
    <interface-name>interface-name</interface-name> <!-- mandatory -->  
  </clear-pppoe-statistics-interface-information>  
</rpc>
```

**Description** Clear interface information

**Contents** <interface-name>—Name of PPPoE logical interface

---

## <clear-protection-group-information>

---

### Usage

```
<rpc>  
  <clear-protection-group-information>  
  </clear-protection-group-information>  
</rpc>
```

**Description** Clear protection group information

**Contents** <clear-ethernet-ring-information>—Clear ethernet ring information

---

## <clear-r2cp-radio>

---

### Usage

```
<rpc>  
  <clear-r2cp-radio>  
    <radio-id>radio-id</radio-id> <!-- mandatory -->  
    <all/>  
    <radio-name>radio-name</radio-name>  
  </clear-r2cp-radio>  
</rpc>
```

**Description** Clear radio

**Contents** <all>—Reset all radios

<radio-name>—Radio ID

## <clear-r2cp-session>

---

**Usage**

```

<rpc>
  <clear-r2cp-session>
    <session-id>session-id</session-id> <!-- mandatory -->
    <all/>
    <session-id>session-id</session-id>
    <vlan>vlan</vlan>
  </clear-r2cp-session>
</rpc>

```

**Description** Reset R2CP session

**Contents** <all>—Reset all sessions

<session-id>—Session ID

<vlan>—Vlan identifier

## <clear-r2cp-statistics>

---

**Usage**

```

<rpc>
  <clear-r2cp-statistics>
  </clear-r2cp-statistics>
</rpc>

```

**Description** Clear statistics

**Contents** <radio>—Clear radio statistics

<session>—Clear session statistics

## <clear-real-server-group-statistics>

---

**Usage**

```

<rpc>
  <clear-real-server-group-statistics>

  <clear-real-server-group-name-statistics>clear-real-server-group-name-statistics</clear-real-server-group-name-statistics>

  </clear-real-server-group-statistics>
</rpc>

```

**Description** Clear real server group statistics

**Contents** <clear-real-server-group-name-statistics>—Clear statistics for a specific real server group

---

## <clear-real-server-statistics>

---

### Usage

```
<rpc>
  <clear-real-server-statistics>

  <clear-real-server-name-statistics>clear-real-server-name-statistics</clear-real-server-name-statistics>

  </clear-real-server-statistics>
</rpc>
```

**Description** Clear real server statistics

**Contents** <clear-real-server-name-statistics>—Clear statistics for a specific server

---

## <clear-reboot>

---

### Usage

```
<rpc>
  <clear-reboot>
    <both-routing-engines/>
  </clear-reboot>
</rpc>
```

**Description** Clear all pending halt or reboot requests

**Contents** <both-routing-engines>—Clear halt or reboot on both Routing Engines

---

## <clear-rsvp-counters-information>

---

### Usage

```
<rpc>
  <clear-rsvp-counters-information>
    <logical-system>logical-system</logical-system>
  </clear-rsvp-counters-information>
</rpc>
```

**Description** Clear RSVP counters

**Contents** <logical-system>—Name of logical system, or 'all'



## <clear-rsvp-session-information>

### Usage

```

<rpc>
  <clear-rsvp-session-information>
    <logical-system>logical-system</logical-system>
    <session-name>session-name</session-name>
    <lsp-id>lsp-id</lsp-id>
    <tunnel-id>tunnel-id</tunnel-id>
    <gracefully/>
    <connection-source>connection-source</connection-source>
    <connection-destination>connection-destination</connection-destination>
    <optimize-fast-reroute/>
  </clear-rsvp-session-information>
</rpc>

```

**Description** Preempt RSVP session

**Contents**

- <logical-system>—Name of logical system, or 'all'
- <session-name>—Name of session
- <lsp-id>—LSP ID of the RSVP sender
- <tunnel-id>—Tunnel ID of the RSVP session
- <gracefully>—Gracefully tear down RSVP sessions
- <connection-source>—Source of the label-switched path
- <connection-destination>—Destination of the label-switched path
- <optimize-fast-reroute>—Perform fast-reroute optimization computation now

## <clear-security-alarm-information>

### Usage

```

<rpc>
  <clear-security-alarm-information>
    <alarm-id>alarm-id</alarm-id>
    <alarm-type>alarm-type</alarm-type>
    <newer-than>newer-than</newer-than>
    <older-than>older-than</older-than>
    <process>process</process>
    <severity>severity</severity>
    <all/>
  </clear-security-alarm-information>
</rpc>

```

**Description** Clear (acknowledge) security alarms

- Contents**
- `<alarm-id>`—Alarm ID filter
    - alert - Alert severity
    - crit - Critical severity
    - debug - Debug severity
    - emerg - Emergency severity
    - err - Error severity
    - info - Information severity
    - notice - Notice severity
    - warning - Warning severity
  - `<alarm-type>`—Alarm type filter
    - alert - Alert severity
    - crit - Critical severity
    - debug - Debug severity
    - emerg - Emergency severity
    - err - Error severity
    - info - Information severity
    - notice - Notice severity
    - warning - Warning severity
  - `<newer-than>`—Alarms newer than filter (YYYY-MM-DD.HH:MM:SS)
    - alert - Alert severity
    - crit - Critical severity
    - debug - Debug severity
    - emerg - Emergency severity
    - err - Error severity
    - info - Information severity
    - notice - Notice severity
    - warning - Warning severity
  - `<older-than>`—Alarms older than filter (YYYY-MM-DD.HH:MM:SS)
    - alert - Alert severity
    - crit - Critical severity
    - debug - Debug severity
    - emerg - Emergency severity

- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity

<process>—Process that generated the alarm filter

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity

<severity>—Severity of the alarm filter

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity

<all>—Clear (acknowledge) all security alarms

---

## <clear-security-log-information>

---

### Usage

```
<rpc>
  <clear-security-log-information>
    <destination-address>destination-address</destination-address>
    <destination-port>destination-port</destination-port>
    <event-id>event-id</event-id>
    <interface-name>interface-name</interface-name>
    <older-than>older-than</older-than>
    <process>process</process>
    <protocol>protocol</protocol>
    <newer-than>newer-than</newer-than>
```

```
<failure/>
<success/>
<severity>severity</severity>
<source-address>source-address</source-address>
<source-port>source-port</source-port>
<username>username</username>
<all/>
</clear-security-log-information>
</rpc>
```

**Description** Clear auditable security logs

**Contents** <destination-address>—Destination address and optional prefix length

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity

<destination-port>—Destination port

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity

<event-id>—Event ID filter

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity

- info - Information severity
- notice - Notice severity
- warning - Warning severity

<interface-name>—Name of interface

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity

<older-than>—Events older than filter (YYYY-MM-DD.HH:MM:SS)

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity

<process>—Process that generated the event

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity

<protocol>—Protocol filter

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity

<newer-than>—Events newer than filter (YYYY-MM-DD.HH:MM:SS)

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity

<failure>—Event was a failure

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity

<success>—Event was successful

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity

- info - Information severity
- notice - Notice severity
- warning - Warning severity

<severity>—Severity of the event

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity

<source-address>—Source address and optional prefix length

<source-port>—Source port

<username>—Username filter

<all>—Clear all security log entries

---

## <clear-server-statistics-information>

---

### Usage

```
<rpc>  
  <clear-server-statistics-information>  
    <routing-instance>routing-instance</routing-instance>  
    <logical-system>logical-system</logical-system>  
  </clear-server-statistics-information>  
</rpc>
```

**Description** Clear DHCP server statistics

**Contents** <routing-instance>—Name of routing instance  
  
<logical-system>—Name of logical system

---

## <clear-service-border-signaling-gateway-name-resolution-cache>

---

### Usage

```
<rpc>  
  <clear-service-border-signaling-gateway-name-resolution-cache>  
    <gateway>gateway</gateway> <!-- mandatory -->
```

```
<master/>
<backup/>
</clear-service-border-signaling-gateway-name-resolution-cache>
</rpc>
```

**Description** Clear border signaling gateway name resolution cache content

**Contents** <by-fqdn>—Clear cash records of the Fully Qualified Domain Name

<clear-service-border-signaling-gateway-name-resolution-cache-all>—Clear contents of the cache

<gateway>—Name of border signaling gateway

<master>—Query the master border signaling gateway (default)

<backup>—Query the backup border signaling gateway

---

### <clear-service-border-signaling-gateway-name-resolution-cache-all>

---

**Usage**

```
<rpc>
<clear-service-border-signaling-gateway-name-resolution-cache-all>
  <gateway>gateway</gateway> <!-- mandatory -->
  <master/>
  <backup/>
</clear-service-border-signaling-gateway-name-resolution-cache-all>
</rpc>
```

**Description** Clear contents of the cache

**Contents** <gateway>—Name of border signaling gateway

<master>—Query the master border signaling gateway (default)

<backup>—Query the backup border signaling gateway

---

### <clear-service-border-signaling-gateway-statistics>

---

**Usage**

```
<rpc>
<clear-service-border-signaling-gateway-statistics>
  <gateway>gateway</gateway> <!-- mandatory -->
  <master/>
  <backup/>
</clear-service-border-signaling-gateway-statistics>
</rpc>
```

**Description** Clear BSG statistics counters



- Contents**    <gateway>—Name of border signaling gateway
- <master>—Query the master border signaling gateway (default)
- <backup>—Query the backup border signaling gateway

---

### <clear-service-bsg-denied-messages>

---

**Usage**

```
<rpc>
  <clear-service-bsg-denied-messages>
    <gateway>gateway</gateway> <!-- mandatory -->
    <master/>
    <backup/>
  </clear-service-bsg-denied-messages>
</rpc>
```

**Description**    Clear BSG denied messages information

- Contents**    <gateway>—Name of border signaling gateway
- <master>—Query the master border signaling gateway (default)
- <backup>—Query the backup border signaling gateway

---

### <clear-service-bsg-registrations>

---

**Usage**

```
<rpc>
  <clear-service-bsg-registrations>
  </clear-service-bsg-registrations>
</rpc>
```

**Description**    Clear border signaling gateway registrations

- Contents**    <clear-service-bsg-registrations-statistics>—Clear border signaling gateway registrations statistics
- <clear-services-bsg-registrations-subscription>—Clear border signaling gateway registrations subscription

---

### <clear-service-bsg-registrations-statistics>

---

**Usage**

```
<rpc>
  <clear-service-bsg-registrations-statistics>
    <gateway>gateway</gateway> <!-- mandatory -->
    <master/>
    <backup/>
  </clear-service-bsg-registrations-statistics>
</rpc>
```

```
</clear-service-bsg-registrations-statistics>
</rpc>
```

**Description** Clear border signaling gateway registrations statistics

**Contents** <gateway>—Name of border signaling gateway  
<master>—Query the master border signaling gateway (default)  
<backup>—Query the backup border signaling gateway

---

## <clear-service-flow-analysis>

---

### Usage

```
<rpc>
<clear-service-flow-analysis>
  <interface>interface</interface>
</clear-service-flow-analysis>
</rpc>
```

**Description** Clear flow analysis statistics

**Contents** <interface>—Name of adaptive services interface

---

## <clear-service-msp-flow-ipaction-table>

---

### Usage

```
<rpc>
<clear-service-msp-flow-ipaction-table>
  <filter>filter</filter> <!-- mandatory -->
</clear-service-msp-flow-ipaction-table>
</rpc>
```

**Description** Clear ip-action table

**Contents**

---

## <clear-service-msp-flow-table-information>

---

### Usage

```
<rpc>
<clear-service-msp-flow-table-information>
  <source-prefix>source-prefix</source-prefix>
  <destination-prefix>destination-prefix</destination-prefix>
  <source-port>source-port</source-port>
  <destination-port>destination-port</destination-port>
  <protocol>protocol</protocol>
  <service-set>service-set</service-set>
```

```
<interface>interface</interface>  
<application-protocol>application-protocol</application-protocol>  
</clear-service-msp-flow-table-information>  
</rpc>
```

**Description** Remove established flows from flow table

**Contents** <source-prefix>—Source prefix to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP

- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<destination-prefix>—Destination prefix to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP

- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS

- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<source-port>—Source port to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First

- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol

- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<destination-port>—Destination port to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol



- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
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- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol

- traceroute - Traceroute
- winframe - WinFrame

<protocol>—IP protocol type to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT

- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<service-set>—Name of service set

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol

- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
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- ike-esp-nat - IKE/ESP with NAT
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- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
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- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
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- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol

- traceroute - Traceroute
- winframe - WinFrame

<interface>—Name of extension provider interface

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol

- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<application-protocol>—Application protocol type to use as filter

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS

- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<clear-service-msp-flow-ipaction-table>—Clear ip-action table

---

## <clear-service-nat-statistics-information>

---

### Usage

```
<rpc>
<clear-service-nat-statistics-information>
  <service-set>service-set</service-set>
  <interface>interface</interface>
</clear-service-nat-statistics-information>
</rpc>
```

**Description** Clear NAT statistics

**Contents** <service-set>—Name of service set

<interface>—Name of adaptive services interface

## <clear-service-pgcp-gates>

---

**Usage**

```
<rpc>
  <clear-service-pgcp-gates>
</clear-service-pgcp-gates>
</rpc>
```

**Description** Clear gates table

**Contents** <clear-service-pgcp-gates-gateway>—Clear gate table for gateway

## <clear-service-pgcp-gates-gateway>

---

**Usage**

```
<rpc>
  <clear-service-pgcp-gates-gateway>
    <gateway-name>gateway-name</gateway-name> <!-- mandatory -->
  </clear-service-pgcp-gates-gateway>
</rpc>
```

**Description** Clear gate table for gateway

**Contents** <gateway-name>—Gateway name

## <clear-service-pgcp-statistics>

---

**Usage**

```
<rpc>
  <clear-service-pgcp-statistics>
</clear-service-pgcp-statistics>
</rpc>
```

**Description** Clear statistics information

**Contents** <clear-service-pgcp-statistics-gateway>—Clear gate table for gateway

## <clear-service-pgcp-statistics-gateway>

---

**Usage**

```
<rpc>
  <clear-service-pgcp-statistics-gateway>
    <gateway-name>gateway-name</gateway-name> <!-- mandatory -->
    <virtual-interface>virtual-interface</virtual-interface>
  </clear-service-pgcp-statistics-gateway>
```



</rpc>

**Description** Clear gate table for gateway

**Contents** <gateway-name>—Gateway name  
<virtual-interface>—Virtual interface name

---

### <clear-service-set-packet-drop-statistics>

---

**Usage**

```
<rpc>
  <clear-service-set-packet-drop-statistics>
    <interface>interface</interface>
  </clear-service-set-packet-drop-statistics>
</rpc>
```

**Description** Clear service set packet drop statistics

**Contents** <interface>—Name of adaptive services interface

---

### <clear-service-set-syslog-statistics>

---

**Usage**

```
<rpc>
  <clear-service-set-syslog-statistics>
    <service-set>service-set</service-set>
    <interface>interface</interface>
  </clear-service-set-syslog-statistics>
</rpc>
```

**Description** Clear service set syslog statistics

**Contents** <service-set>—Name of service set  
<interface>—Name of adaptive services interface

---

### <clear-service-sfw-flow-table-information>

---

**Usage**

```
<rpc>
  <clear-service-sfw-flow-table-information>
    <source-prefix>source-prefix</source-prefix>
    <destination-prefix>destination-prefix</destination-prefix>
    <source-port>source-port</source-port>
    <destination-port>destination-port</destination-port>
    <protocol>protocol</protocol>
  </clear-service-sfw-flow-table-information>
</rpc>
```

```
<application-protocol>application-protocol</application-protocol>
<service-set>service-set</service-set>
<interface>interface</interface>
</clear-service-sfw-flow-table-information>
</rpc>
```

**Description** Remove established flows from flow table

**Contents** <source-prefix>—Source prefix to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP

- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<destination-prefix>—Destination prefix to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP

- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
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- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS

- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<source-port>—Source port to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First

- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
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- mgcp-ca - MGCP-CA
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- ms-rpc - Microsoft RPC
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- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
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- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<destination-port>—Destination port to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol

- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iioip - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
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- mgcp-ca - MGCP-CA
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- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol



- traceroute - Traceroute
- winframe - WinFrame

<protocol>—IP protocol type to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
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- number - Numeric protocol value (0 .. 255)
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- gprs-gtp-c - GPRS Tunneling Control Plane
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- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
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- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<application-protocol>—Application protocol type to use as filter

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol

- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
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- netshow - NetShow
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- q931 - Q.931
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- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol

- traceroute - Traceroute
- winframe - WinFrame

<service-set>—Name of service set

<interface>—Name of adaptive services interface

---

## <clear-service-sfw-sip-call-information>

---

### Usage

```
<rpc>
  <clear-service-sfw-sip-call-information>
    <source-prefix>source-prefix</source-prefix>
    <destination-prefix>destination-prefix</destination-prefix>
    <source-port>source-port</source-port>
    <destination-port>destination-port</destination-port>
    <protocol>protocol</protocol>
    <application-protocol>application-protocol</application-protocol>
    <service-set>service-set</service-set>
    <interface>interface</interface>
  </clear-service-sfw-sip-call-information>
</rpc>
```

**Description** Remove established SIP calls from flow table

**Contents** <source-prefix>—Source prefix to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
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- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
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- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
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- pptp - Point-to-Point Tunneling Protocol
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- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell

- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<destination-prefix>—Destination prefix to use as filter

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- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
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- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
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- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<source-port>—Source port to use as filter

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- tftp - Trivial File Transfer Protocol
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<destination-port>—Destination port to use as filter

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- igmp - Internet Group Management Protocol
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- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<protocol>—IP protocol type to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
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- gprs-gtp-c - GPRS Tunneling Control Plane
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- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
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- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<application-protocol>—Application protocol type to use as filter

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
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- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<service-set>—Name of service set

<interface>—Name of adaptive services interface

---

## <clear-service-sfw-sip-register-information>

---

### Usage

```
<rpc>
  <clear-service-sfw-sip-register-information>
    <source-prefix>source-prefix</source-prefix>
    <destination-prefix>destination-prefix</destination-prefix>
    <source-port>source-port</source-port>
    <destination-port>destination-port</destination-port>
    <protocol>protocol</protocol>
    <application-protocol>application-protocol</application-protocol>
    <service-set>service-set</service-set>
    <interface>interface</interface>
  </clear-service-sfw-sip-register-information>
</rpc>
```

**Description** Remove established SIP register from flow table

**Contents** <source-prefix>—Source prefix to use as filter

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- igmp - Internet Group Management Protocol
- ipip - IP in IP

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- egp - Exterior gateway protocol
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- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
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- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
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- dns - Domain Name Service
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- gprs-gtp-c - GPRS Tunneling Control Plane
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- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
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<destination-prefix>—Destination prefix to use as filter

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- ipip - IP in IP
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- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
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- dce-rpc - DCE RPC
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- sun-rpc - Sun Microsystems RPC
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<source-port>—Source port to use as filter

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<protocol>—IP protocol type to use as filter

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<application-protocol>—Application protocol type to use as filter

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- dce-rpc-portmap - DCE RPC portmap
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- gprs-gtp-c - GPRS Tunneling Control Plane
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- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<service-set>—Name of service set

<interface>—Name of adaptive services interface

---

## <clear-services-bsg-registrations-subscription>

---

### Usage

```
<rpc>
  <clear-services-bsg-registrations-subscription>
    <gateway>gateway</gateway> <!-- mandatory -->
```



```

    <master/>
    <backup/>
    <address-of-record>address-of-record</address-of-record>
    <forceful/>
    <graceful/>
  </clear-services-bsg-registrations-subscription>
</rpc>

```

**Description** Clear border signaling gateway registrations subscription

**Contents**

- <gateway>—Name of border signaling gateway
- <master>—Query the master border signaling gateway (default)
- <backup>—Query the backup border signaling gateway
- <address-of-record>—Address of record
- <forceful>—Remove address-of-record
- <graceful>—Remove address-of-record gracefully

## <clear-services-dynamic-flow-capture-criteria>

### Usage

```

<rpc>
  <clear-services-dynamic-flow-capture-criteria>
    <capture-group>capture-group</capture-group> <!-- mandatory -->
    <destination-identifier>destination-identifier</destination-identifier>
    <criteria-identifier>criteria-identifier</criteria-identifier>
    <static/>
  </clear-services-dynamic-flow-capture-criteria>
</rpc>

```

**Description** Clear dynamic flow capture criteria

**Contents**

- <capture-group>—Capture group name
- <destination-identifier>—Content destination identifier
- <criteria-identifier>—Criteria identifier
- <static>—Clear static criteria also

## <clear-services-dynamic-flow-capture-sequence-number>

### Usage

```

<rpc>
  <clear-services-dynamic-flow-capture-sequence-number>
    <capture-group>capture-group</capture-group> <!-- mandatory -->

```

```
<source-identifier>source-identifier</source-identifier> <!-- mandatory -->
</clear-services-dynamic-flow-capture-sequence-number>
</rpc>
```

**Description** Clear dynamic flow capture sequence-number

**Contents** <capture-group>—Capture group name  
<source-identifier>—Control source identifier

---

## <clear-services-flow-collector-information>

---

**Usage**

```
<rpc>
<clear-services-flow-collector-information>
</clear-services-flow-collector-information>
</rpc>
```

**Description** Clear services flow collector information

**Contents** <clear-services-flow-collector-statistics>—Clear statistics

---

## <clear-services-flow-collector-statistics>

---

**Usage**

```
<rpc>
<clear-services-flow-collector-statistics>
<interface>interface</interface> <!-- mandatory -->
</clear-services-flow-collector-statistics>
</rpc>
```

**Description** Clear statistics

**Contents** <interface>—Interface name

- all - All configured Collector PICs
- interface - Physical interface

---

## <clear-snmp-history>

---

**Usage**

```
<rpc>
<clear-snmp-history>
<all/>
<index/>
</clear-snmp-history>
```

```
</rpc>
```

**Description** Clear all samples of a particular history index

**Contents** `<all>`—Clear all samples of all the configured indices  
`<index>`—Clear the samples of this particular index

## <clear-snmp-statistics>

---

### Usage

```
<rpc>
  <clear-snmp-statistics/>
</rpc>
```

**Description** Clear SNMP statistics

## <clear-sticky-table>

---

### Usage

```
<rpc>
  <clear-sticky-table>

  <clear-real-server-group-sticky>clear-real-server-group-sticky</clear-real-server-group-sticky>

  </clear-sticky-table>
</rpc>
```

**Description** Clear server load balance sticky table

**Contents** `<clear-real-server-group-sticky>`—Clear sticky table for a specific real server group

## <clear-stp-interface-statistics>

---

### Usage

```
<rpc>
  <clear-stp-interface-statistics>
    <logical-system>logical-system</logical-system>
    <interface-name>interface-name</interface-name>
    <routing-instance>routing-instance</routing-instance>
  </clear-stp-interface-statistics>
</rpc>
```

**Description** Clear STP interface statistics

**Contents** `<logical-system>`—Name of logical system

<interface-name>—Name of interface

<routing-instance>—Name of routing instance

---

## <clear-stp-routing-instance-statistics>

---

### Usage

```
<rpc>
  <clear-stp-routing-instance-statistics>
    <logical-system>logical-system</logical-system>
    <routing-instance-name>routing-instance-name</routing-instance-name>
  </clear-stp-routing-instance-statistics>
</rpc>
```

**Description** Clear STP routing instance statistics

**Contents** <logical-system>—Name of logical system  
  
<routing-instance-name>—Name of routing instance

---

## <clear-stp-topology-change-counter>

---

### Usage

```
<rpc>
  <clear-stp-topology-change-counter>
    <logical-system>logical-system</logical-system>
    <vlan-id>vlan-id</vlan-id>
    <routing-instance>routing-instance</routing-instance>
  </clear-stp-topology-change-counter>
</rpc>
```

**Description** Clear STP topology change counter

**Contents** <logical-system>—Name of logical system  
  
<vlan-id>—VLAN ID  
  
<routing-instance>—Name of routing instance

---

## <clear-synchronous-ethernet-esmc-statistics>

---

### Usage

```
<rpc>
  <clear-synchronous-ethernet-esmc-statistics>
    <interface-name>interface-name</interface-name>
  </clear-synchronous-ethernet-esmc-statistics>
</rpc>
```

**Description** Clear ESMC statistics

**Contents** <interface-name>—Name of interface

---

### <clear-system-commit>

---

**Usage**

```
<rpc>
  <clear-system-commit/>
</rpc>
```

**Description** Clear all pending commit requests

---

### <clear-system-login-lockout>

---

**Usage**

```
<rpc>
  <clear-system-login-lockout>
    <lockout-choice>lockout-choice</lockout-choice> <!-- mandatory -->
    <all/>
    <user>user</user>
  </clear-system-login-lockout>
</rpc>
```

**Description** Clear login locks on user accounts

**Contents** <all>—Clear login locks on all user accounts

<user>—Name of user

---

### <clear-system-services-reverse-information>

---

**Usage**

```
<rpc>
  <clear-system-services-reverse-information/>
</rpc>
```

**Description** Clear reverse telnet/SSH connection

---

### <clear-virtual-server-statistics>

---

**Usage**

```
<rpc>
  <clear-virtual-server-statistics>

  <clear-virtual-server-name-statistics>clear-virtual-server-name-statistics</clear-virtual-server-name-statistics>
```

```
</clear-virtual-server-statistics>
</rpc>
```

**Description** Clear virtual server statistics

**Contents** <clear-virtual-server-name-statistics>—Clear statistics for a specific server

---

## <clear-visitor-all>

### Usage

```
<rpc>
  <clear-visitor-all/>
</rpc>
```

**Description** Clear all visitors

---

## <clear-visitor-ip>

### Usage

```
<rpc>
  <clear-visitor-ip>
    <ip-address>ip-address</ip-address> <!-- mandatory -->
  </clear-visitor-ip>
</rpc>
```

**Description** Clear visitor entry based on IP address

**Contents** <ip-address>—Enter IP Address

---

## <clear-visitor-nai>

### Usage

```
<rpc>
  <clear-visitor-nai>
    <nai>nai</nai> <!-- mandatory -->
  </clear-visitor-nai>
</rpc>
```

**Description** Clear visitor entry based on nai

**Contents** <nai>—Enter nai

## <clear-vpls-interface-mac-table>

### Usage

```

<rpc>
  <clear-vpls-interface-mac-table>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
    <vlan-id>vlan-id</vlan-id>
  </clear-vpls-interface-mac-table>
</rpc>

```

**Description** Clear media access control table for specified interface

**Contents** <interface-name>—Name of interface for which to clear table

- all-vlan - Clear MAC addresses on all VLAN(s)
- vlan-id - Clear MAC address learned on a specified VLAN

<vlan-id>—Clear MAC address learned on a specified VLAN

- all-vlan - Clear MAC addresses on all VLAN(s)
- vlan-id - Clear MAC address learned on a specified VLAN

## <clear-vpls-mac-table>

### Usage

```

<rpc>
  <clear-vpls-mac-table>
    <instance>instance</instance>
    <logical-system>logical-system</logical-system>
    <vlan-id>vlan-id</vlan-id>
    <isid>isid</isid>
    <address>address</address>
  </clear-vpls-mac-table>
</rpc>

```

**Description** Clear all learned media access control addresses

**Contents** <clear-vpls-interface-mac-table>—Clear media access control table for specified interface

- all-vlan - Clear MAC addresses on all VLAN(s)
- vlan-id - Clear MAC address learned on a specified VLAN
- all-isid - Clear MAC addresses on all ISID(s)
- isid - Clear MAC address learned on a specified ISID

<instance>—Display information for a specified instance

- all-vlan - Clear MAC addresses on all VLAN(s)
- vlan-id - Clear MAC address learned on a specified VLAN
- all-isid - Clear MAC addresses on all ISID(s)
- isid - Clear MAC address learned on a specified ISID

<logical-system>—Name of logical system, or 'all'

- all-vlan - Clear MAC addresses on all VLAN(s)
- vlan-id - Clear MAC address learned on a specified VLAN
- all-isid - Clear MAC addresses on all ISID(s)
- isid - Clear MAC address learned on a specified ISID

<vlan-id>—Clear MAC address learned on a specified VLAN

- all-vlan - Clear MAC addresses on all VLAN(s)
- vlan-id - Clear MAC address learned on a specified VLAN
- all-isid - Clear MAC addresses on all ISID(s)
- isid - Clear MAC address learned on a specified ISID

<isid>—Clear MAC address learned on a specified ISID

- all-isid - Clear MAC addresses on all ISID(s)
- isid - Clear MAC address learned on a specified ISID

<address>—MAC address

---

## <clear-vrrp-information>

---

### Usage

```
<rpc>  
  <clear-vrrp-information>  
    <all/>  
  </clear-vrrp-information>  
</rpc>
```

**Description** Clear Virtual Router Redundancy Protocol statistics

**Contents** <all>—Clear all statistics

<clear-vrrp-interface-statistics>—Name of interface on which to clear statistics



## <clear-vrrp-interface-statistics>

---

### Usage

```
<rpc>
  <clear-vrrp-interface-statistics>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </clear-vrrp-interface-statistics>
</rpc>
```

**Description** Name of interface on which to clear statistics

**Contents** <interface-name>—Name of interface

## <diagnostic-tool-list-execute>

---

### Usage

```
<rpc>
  <diagnostic-tool-list-execute>
    <component>component</component>
    <provider>provider</provider>
    <toolname>toolname</toolname>
  </diagnostic-tool-list-execute>
</rpc>
```

**Description** List or execute diagnostic tools (tool args in quotes)

**Contents** <inventory>—Displays map of components

- kernel - Kernel diagnostic tool provider
- system - System diagnostic tool provider
- admin - Administrative diagnostic tool provider
- application - Application diagnostic tool provider
- hardware - Hardware diagnostic tool provider
- health-check - Health-check diagnostic tool provider

<component>—Name of the component (uuid or serial number or all)

- kernel - Kernel diagnostic tool provider
- system - System diagnostic tool provider
- admin - Administrative diagnostic tool provider
- application - Application diagnostic tool provider
- hardware - Hardware diagnostic tool provider
- health-check - Health-check diagnostic tool provider

<provider>—Name of diagnostic provider

- kernel - Kernel diagnostic tool provider
- system - System diagnostic tool provider
- admin - Administrative diagnostic tool provider
- application - Application diagnostic tool provider
- hardware - Hardware diagnostic tool provider
- health-check - Health-check diagnostic tool provider

<toolname>—Name of tool (arguments in quotes) or all or summary

<diagnostic-tool-usage>—Displays usage of diagnostic tools

---

## <diagnostic-tool-usage>

---

### Usage

```
<rpc>
  <diagnostic-tool-usage>
    <component>component</component>
    <provider>provider</provider>
    <toolname>toolname</toolname> <!-- mandatory -->
  </diagnostic-tool-usage>
</rpc>
```

**Description** Displays usage of diagnostic tools

**Contents** <component>—Name of the component (uuid or serial number or all)

- kernel - Kernel diagnostic tool provider
- system - System diagnostic tool provider
- admin - Administrative diagnostic tool provider
- application - Application diagnostic tool provider
- hardware - Hardware diagnostic tool provider
- health-check - Health-check diagnostic tool provider

<provider>—Name of diagnostic provider

- kernel - Kernel diagnostic tool provider
- system - System diagnostic tool provider
- admin - Administrative diagnostic tool provider
- application - Application diagnostic tool provider
- hardware - Hardware diagnostic tool provider
- health-check - Health-check diagnostic tool provider

<toolname>—Name of tool (arguments in quotes) or all or summary

---

## <file-compare>

---

### Usage

```
<rpc>
  <file-compare>
    <context/>
    <unified/>
    <ignore-white-space/>
    <files>files</files>
    <from-file>from-file</from-file>
    <to-file>to-file</to-file>
  </file-compare>
</rpc>
```

**Description** Compare files

**Contents** <context>—Context style output format

<unified>—Unified style output format

<ignore-white-space>—Ignore changes in amount of white space

<files>—Files to compare

<from-file>—File to compare

<to-file>—File to compare against

---

## <file-copy>

---

### Usage

```
<rpc>
  <file-copy>
    <source>source</source> <!-- mandatory -->
    <destination>destination</destination> <!-- mandatory -->
    <source-address>source-address</source-address>
  </file-copy>
</rpc>
```

**Description** Copy files (local or remote)

**Contents** <source>—URL of source file

<destination>—URL of destination file

<source-address>—Local address to use in originating the connection

## <file-delete>

---

**Usage**

```
<rpc>
  <file-delete>
    <purge/>
    <path>path</path> <!-- mandatory -->
  </file-delete>
</rpc>
```

**Description** Delete files from the system

**Contents** <purge>—Overwrite regular files before deleting them

<path>—Path to delete

## <file-get>

---

**Usage**

```
<rpc>
  <file-get>
    <filename>filename</filename> <!-- mandatory -->
    <encoding>encoding</encoding> <!-- mandatory -->
  </file-get>
</rpc>
```

**Description** Get file from device with contents inlined

**Contents** <filename>—Name of source file on device

<encoding>—Encoding type: ascii, base64, or raw

## <file-list>

---

**Usage**

```
<rpc>
  <file-list>
    <detail/>
    <recursive/>
    <path>path</path>
  </file-list>
</rpc>
```

**Description** List file information

**Contents** <detail>—Display detailed output (like 'ls -l')

<recursive>—Descend recursively through directory hierarchy

<path>—Path to list

## <file-put>

### Usage

```
<rpc>
  <file-put>
    <filename>filename</filename> <!-- mandatory -->
    <permission>permission</permission>
    <encoding>encoding</encoding> <!-- mandatory -->
    <delete-if-exist/>
    <file-contents>file-contents</file-contents> <!-- mandatory -->
  </file-put>
</rpc>
```

**Description** Put file onto device with contents inlined

**Contents** <filename>—Name of destination file on device

<permission>—Name of destination file on device

<encoding>—Encoding type: ascii or base64

<delete-if-exist>—Delete the destination file on device if it already exists

<file-contents>—File content

## <file-rename>

### Usage

```
<rpc>
  <file-rename>
    <source>source</source> <!-- mandatory -->
    <destination>destination</destination> <!-- mandatory -->
  </file-rename>
</rpc>
```

**Description** Rename files

**Contents** <source>—Source URL

<destination>—Destination URL

## <file-show>

### Usage

```
<rpc>
```

```
<file-show>
  <filename>filename</filename> <!-- mandatory -->
  <encoding>encoding</encoding>
</file-show>
</rpc>
```

**Description** Show file contents

**Contents** <filename>—Filename to show

- base64 - Encode file with base64 encoding
- raw - Show raw text from file

<encoding>—Encode file contents

- base64 - Encode file with base64 encoding
- raw - Show raw text from file

---

## <fips-selftest>

### Usage

```
<rpc>
  <fips-selftest/>
</rpc>
```

**Description** Execute FIPS known answer tests (KATs)

---

## <generate-pki-certificate-request>

### Usage

```
<rpc>
  <generate-pki-certificate-request>
    <ip-address>ip-address</ip-address>
    <filename>filename</filename>
    <subject>subject</subject> <!-- mandatory -->
    <certificate-id>certificate-id</certificate-id> <!-- mandatory -->
    <domain-name>domain-name</domain-name>
    <email>email</email>
  </generate-pki-certificate-request>
</rpc>
```

**Description** Generate the certificate request in PKCS-10 format

**Contents** <ip-address>—Static IP address of the device

<filename>—Local location for copy of certificate request

<subject>—DC=<Domain component>CN=<Common Name>OU=<Organizational Unit>O=<Organization Name>L=<Locality>ST=<State>C=<Country>  
 <certificate-id>—Certificate identifier  
 <domain-name>—Fully qualified domain name  
 <email>—Email address

## <generate-pki-key-pair>

### Usage

```

<rpc>
  <generate-pki-key-pair>
    <certificate-id>certificate-id</certificate-id> <!-- mandatory -->
    <size>size</size>
    <type>type</type>
  </generate-pki-key-pair>
</rpc>

```

**Description** Generate RSA private and public key pair

**Contents** <certificate-id>—Certificate identifier

- 512 - 512 bits
- 1024 - 1024 bits
- 2048 - 2048 bits
- rsa - RSA encryption
- dsa - DSA encryption with SHA-1 hash

<size>—Size of key

- 512 - 512 bits
- 1024 - 1024 bits
- 2048 - 2048 bits
- rsa - RSA encryption
- dsa - DSA encryption with SHA-1 hash

<type>—Algorithm for encrypting public private keys

- rsa - RSA encryption
- dsa - DSA encryption with SHA-1 hash

## <generate-pki-self-signed-local-certificate>

---

### Usage

```
<rpc>
  <generate-pki-self-signed-local-certificate>
    <certificate-id>certificate-id</certificate-id> <!-- mandatory -->
    <domain-name>domain-name</domain-name> <!-- mandatory -->
    <ip-address>ip-address</ip-address>
    <email>email</email>
    <subject>subject</subject> <!-- mandatory -->
  </generate-pki-self-signed-local-certificate>
</rpc>
```

**Description** Generate a self-signed certificate

**Contents** <certificate-id>—Certificate identifier

<domain-name>—Fully qualified domain name

<ip-address>—Static IP address of the device

<email>—Email address of the entity owning the certificate

<subject>—DC=<Domain Component>=CN=<Common Name>=O=<Organization>=OU=<Organizational Unit>=C=<Country>=ST=<State or Province>=L=<Locality>=S=<Serial Number>=E=<Email Address>=

## <get-aaa-module-statistics>

---

### Usage

```
<rpc>
  <get-aaa-module-statistics>
    <authentication/>
    <accounting/>
    <dynamic-requests/>
    <re-authentication/>
    <subscribers/>
  </get-aaa-module-statistics>
</rpc>
```

**Description** (Re)authentication, authorization and accounting (AAA) module statistics

**Contents** <authentication>—Authentication statistics

<accounting>—Accounting statistics

<dynamic-requests>—Dynamic requests statistics

<re-authentication>—Re-authentication statistics

<subscribers>—Subscriber statistics



<address-assignment>—Statistics for address assignments

## <get-aaa-subscriber-statistics>

---

### Usage

```
<rpc>
  <get-aaa-subscriber-statistics>
    <username>username</username> <!-- mandatory -->
  </get-aaa-subscriber-statistics>
</rpc>
```

**Description** Statistics on subscriber events

**Contents** <username>—Show statistics for this subscriber's session entry

## <get-aaa-subscriber-table>

---

### Usage

```
<rpc>
  <get-aaa-subscriber-table>
    <username>username</username>
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </get-aaa-subscriber-table>
</rpc>
```

**Description** List subscriber specific command options

**Contents** <username>—Show details for this subscriber's session entry

<routing-instance>—Name of routing instance

<logical-system>—Name of logical system

<session-id>—Session id

<get-aaa-subscriber-statistics>—Statistics on subscriber events

## <get-aaa-terminate-code>

---

### Usage

```
<rpc>
  <get-aaa-terminate-code>
    <summary/>
    <brief/>
    <detail/>
  </get-aaa-terminate-code>
</rpc>
```

**Description** Show terminate-code information

**Contents**

- <summary>—Display summary output(default)
- <brief>—Display brief output
- <detail>—Display detailed output
- <get-aaa-terminate-code-aaa>—Limit display to AAA terminate codes
- <get-aaa-terminate-code-dhcp>—Limit display to DHCP terminate codes
- <get-aaa-terminate-code-l2tp>—Limit display to L2TP terminate codes
- <get-aaa-terminate-code-ppp>—Limit display to PPP terminate codes
- <get-aaa-terminate-code-reverse>—Show reverse terminate-code information

---

### <get-aaa-terminate-code-aaa>

---

**Usage**

```
<rpc>
  <get-aaa-terminate-code-aaa>
    <summary/>
    <brief/>
    <detail/>
  </get-aaa-terminate-code-aaa>
</rpc>
```

**Description** Limit display to AAA terminate codes

**Contents**

- <summary>—Display summary output(default)
- <brief>—Display brief output
- <detail>—Display detailed output

---

### <get-aaa-terminate-code-dhcp>

---

**Usage**

```
<rpc>
  <get-aaa-terminate-code-dhcp>
    <summary/>
    <brief/>
    <detail/>
  </get-aaa-terminate-code-dhcp>
</rpc>
```

**Description** Limit display to DHCP terminate codes

**Contents**    <summary>—Display summary output (default)  
                  <brief>—Display brief output  
                  <detail>—Display detailed output

## <get-aaa-terminate-code-l2tp>

---

### Usage

```
<rpc>
<get-aaa-terminate-code-l2tp>
  <summary/>
  <brief/>
  <detail/>
</get-aaa-terminate-code-l2tp>
</rpc>
```

**Description**    Limit display to L2TP terminate codes

**Contents**    <summary>—Display summary output (default)  
                  <brief>—Display brief output  
                  <detail>—Display detailed output

## <get-aaa-terminate-code-ppp>

---

### Usage

```
<rpc>
<get-aaa-terminate-code-ppp>
  <summary/>
  <brief/>
  <detail/>
</get-aaa-terminate-code-ppp>
</rpc>
```

**Description**    Limit display to PPP terminate codes

**Contents**    <summary>—Display summary output (default)  
                  <brief>—Display brief output  
                  <detail>—Display detailed output

## <get-aaa-terminate-code-reverse>

---

### Usage

```
<rpc>
<get-aaa-terminate-code-reverse>
```

```
<summary/>
<brief/>
<detail/>
</get-aaa-terminate-code-reverse>
</rpc>
```

**Description** Show reverse terminate-code information

**Contents** <summary>—Display summary output(default)

<brief>—Display brief output

<detail>—Display detailed output

<get-aaa-terminate-code-reverse-aaa>—Limit display to AAA terminate codes

<get-aaa-terminate-code-reverse-dhcp>—Limit display to DHCP terminate codes

<get-aaa-terminate-code-reverse-l2tp>—Limit display to L2TP terminate codes

<get-aaa-terminate-code-reverse-ppp>—Limit display to PPP terminate codes

---

### <get-aaa-terminate-code-reverse-aaa>

---

**Usage**

```
<rpc>
<get-aaa-terminate-code-reverse-aaa>
<summary/>
<brief/>
<detail/>
</get-aaa-terminate-code-reverse-aaa>
</rpc>
```

**Description** Limit display to AAA terminate codes

**Contents** <summary>—Display summary output(default)

<brief>—Display brief output

<detail>—Display detailed output

---

### <get-aaa-terminate-code-reverse-dhcp>

---

**Usage**

```
<rpc>
<get-aaa-terminate-code-reverse-dhcp>
<summary/>
<brief/>
<detail/>
</get-aaa-terminate-code-reverse-dhcp>
```

`</rpc>`

**Description** Limit display to DHCP terminate codes

**Contents** `<summary>`—Display summary output(default)  
`<brief>`—Display brief output  
`<detail>`—Display detailed output

---

### `<get-aaa-terminate-code-reverse-l2tp>`

---

**Usage**

```
<rpc>
  <get-aaa-terminate-code-reverse-l2tp>
    <summary/>
    <brief/>
    <detail/>
  </get-aaa-terminate-code-reverse-l2tp>
</rpc>
```

**Description** Limit display to L2TP terminate codes

**Contents** `<summary>`—Display summary output(default)  
`<brief>`—Display brief output  
`<detail>`—Display detailed output

---

### `<get-aaa-terminate-code-reverse-ppp>`

---

**Usage**

```
<rpc>
  <get-aaa-terminate-code-reverse-ppp>
    <summary/>
    <brief/>
    <detail/>
  </get-aaa-terminate-code-reverse-ppp>
</rpc>
```

**Description** Limit display to PPP terminate codes

**Contents** `<summary>`—Display summary output(default)  
`<brief>`—Display brief output  
`<detail>`—Display detailed output

## <get-accounting-profile-information>

---

**Usage**

```
<rpc>
  <get-accounting-profile-information>
    <profile>profile</profile>
  </get-accounting-profile-information>
</rpc>
```

**Description** Show accounting profile information

**Contents** <profile>—Profile name

## <get-accounting-record-information>

---

**Usage**

```
<rpc>
  <get-accounting-record-information>
    <profile>profile</profile> <!-- mandatory -->
    <since>since</since>
    <utc-timestamp/>
  </get-accounting-record-information>
</rpc>
```

**Description** Show accounting records

**Contents** <profile>—Name of profile

<since>—Timestamp on earliest records to show (YYYY-MM-DD.HH:MM:SS)

<utc-timestamp>—Display timestamp in UTC format

## <get-active-servers>

---

**Usage**

```
<rpc>
  <get-active-servers/>
</rpc>
```

**Description** Show configured servers

## <get-address-assignment-pool-table>

---

**Usage**

```
<rpc>
  <get-address-assignment-pool-table>
```

```

<get-address-assignment-pool-table-specific>get-address-assignment-pool-table-specific</get-address-assignment-pool-table-specific>
<!-- mandatory -->
  <routing-instance>routing-instance</routing-instance>
  <logical-system>logical-system</logical-system>
</get-address-assignment-pool-table>
</rpc>

```

**Description** Show pool information

**Contents** <get-address-assignment-pool-table-specific>—Show information for a specific pool

<routing-instance>—Name of routing instance

<logical-system>—Name of logical system

## <get-alarm-information>

### Usage

```

<rpc>
  <get-alarm-information>
    <interconnect-device>interconnect-device</interconnect-device>
    <node-device>node-device</node-device>
  </get-alarm-information>
</rpc>

```

**Description** Show alarm status

**Contents** <interconnect-device>—Interconnect device identifier

<node-device>—Node device identifier

<get-fpc-alarm-information>—Show alarm status for a FPC

## <get-amt-statistics>

### Usage

```

<rpc>
  <get-amt-statistics>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
  </get-amt-statistics>
</rpc>

```

**Description** Show AMT statistics summary

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of instance

---

## <get-amt-summary>

---

### Usage

```
<rpc>
  <get-amt-summary>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
  </get-amt-summary>
</rpc>
```

**Description** Show AMT configuration summary

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of instance

---

## <get-amt-tunnel-information>

---

### Usage

```
<rpc>
  <get-amt-tunnel-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <brief/>
    <detail/>
  </get-amt-tunnel-information>
</rpc>
```

**Description** Show AMT tunnel parameters

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of instance

<brief>—Display brief output (default)

<detail>—Display detailed output

<tunnel-interface>—AMT tunnel interface

<gateway-address>—AMT tunnel gateway address

---

## <get-ancp-cos-information>

---

### Usage

```
<rpc>
  <get-ancp-cos-information>
```



```

    <identifier>identifier</identifier>
  </get-ancp-cos-information>
</rpc>

```

**Description** Show ANCP Cos information

**Contents** <get-ancp-cos-pending-information>—Show ANCP Pending Update Cos information  
 <get-ancp-cos-last-update-information>—Show ANCP Last Update Cos information  
 <identifier>—Access loop identifier

### <get-ancp-cos-last-update-information>

---

**Usage**

```

<rpc>
  <get-ancp-cos-last-update-information/>
</rpc>

```

**Description** Show ANCP Last Update Cos information

### <get-ancp-cos-pending-information>

---

**Usage**

```

<rpc>
  <get-ancp-cos-pending-information/>
</rpc>

```

**Description** Show ANCP Pending Update Cos information

### <get-ancp-neighbor-information>

---

**Usage**

```

<rpc>
  <get-ancp-neighbor-information>
    <brief/>
    <detail/>
    <ip-address>ip-address</ip-address>
    <system-name>system-name</system-name>
  </get-ancp-neighbor-information>
</rpc>

```

**Description** Neighbor information

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<ip-address>—IP address of the neighbor

<system-name>—MAC address of the neighbor

---

## <get-ancp-subscriber-identifier-information>

---

### Usage

```
<rpc>
  <get-ancp-subscriber-identifier-information>
    <identifier-name>identifier-name</identifier-name> <!-- mandatory -->
    <neighbor>neighbor</neighbor>
    <brief/>
    <detail/>
  </get-ancp-subscriber-identifier-information>
</rpc>
```

**Description** Access loop identifier

**Contents** <identifier-name>—Identifier

<neighbor>—Subscriber information from a neighbor

<brief>—Display brief output (default)

<detail>—Display detailed output

---

## <get-ancp-subscriber-information>

---

### Usage

```
<rpc>
  <get-ancp-subscriber-information>
    <brief/>
    <detail/>
  </get-ancp-subscriber-information>
</rpc>
```

**Description** Subscriber information

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<get-ancp-subscriber-identifier-information>—Access loop identifier

<get-ancp-subscriber-neighbor-information>—Subscriber information from a neighbor

## <get-ancp-subscriber-neighbor-information>

---

**Usage**

```

<rpc>
  <get-ancp-subscriber-neighbor-information>
    <neighbor-ipaddress>neighbor-ipaddress</neighbor-ipaddress> <!-- mandatory
-->
    <brief/>
    <detail/>
  </get-ancp-subscriber-neighbor-information>
</rpc>

```

**Description** Subscriber information from a neighbor

**Contents** <neighbor-ipaddress>—IP address of the neighbor

<brief>—Display brief output (default)

<detail>—Display detailed output

## <get-appid-application-group-statistics>

---

**Usage**

```

<rpc>
  <get-appid-application-group-statistics>
    <interval>interval</interval>
  </get-appid-application-group-statistics>
</rpc>

```

**Description** Show the application group statistics

**Contents** <interval>—Time interval for application group statistics

## <get-appid-application-signature>

---

**Usage**

```

<rpc>
  <get-appid-application-signature>
    <detail>detail</detail>
  </get-appid-application-signature>
</rpc>

```

**Description** Show application signature

**Contents** <detail>—Show application signature details

<get-appid-application-signature-summary>—Show application signature summary

## <get-appid-application-signature-summary>

---

**Usage**

```
<rpc>
  <get-appid-application-signature-summary/>
</rpc>
```

**Description** Show application signature summary

## <get-appid-application-statistics>

---

**Usage**

```
<rpc>
  <get-appid-application-statistics>
    <interval>interval</interval>
  </get-appid-application-statistics>
</rpc>
```

**Description** Show the application statistics

**Contents** <interval>—Time interval for application statistics

## <get-appid-application-system-cache>

---

**Usage**

```
<rpc>
  <get-appid-application-system-cache>
    <logical-system>logical-system</logical-system>
    <interface>interface</interface>
  </get-appid-application-system-cache>
</rpc>
```

**Description** Show application system cache

**Contents** <logical-system>—Logical-system name

- all - All logical-systems (Default)
- root-logical-system - Root logical-system only
- logical-system-name - Individual logical-system

<interface>—Services interface to query

## <get-appid-counter>

---

**Usage**

```
<rpc>
  <get-appid-counter>
    <interface>interface</interface>
  </get-appid-counter>
</rpc>
```

**Description** Show the application identification counters

**Contents** <interface>—Services interface to query

## <get-appid-package-version>

---

**Usage**

```
<rpc>
  <get-appid-package-version/>
</rpc>
```

**Description** Show the current application package version

## <get-application-aware-access-list-flows-interface>

---

**Usage**

```
<rpc>
  <get-application-aware-access-list-flows-interface>
    <interface-name>interface-name</interface-name>
    <brief/>
  </get-application-aware-access-list-flows-interface>
</rpc>
```

**Description** Show application aware access list flows by interface name

**Contents** <interface-name>—

<brief>—Display brief output

## <get-application-aware-access-list-flows-subscriber>

---

**Usage**

```
<rpc>
  <get-application-aware-access-list-flows-subscriber>
    <subscriber>subscriber</subscriber>
    <level>level</level>
  </get-application-aware-access-list-flows-subscriber>
```

```
</rpc>
```

**Description** Show application aware access list flows by subscriber name

**Contents** <subscriber>—

- brief - Display brief output
- detail - Display detailed output

<level>—

- brief - Display brief output
- detail - Display detailed output

---

### <get-application-aware-access-list-statistics-interface>

---

**Usage**

```
<rpc>  
<get-application-aware-access-list-statistics-interface>  
  <interface-name>interface-name</interface-name>  
</get-application-aware-access-list-statistics-interface>  
</rpc>
```

**Description** Show application aware access list statistics by interface name

**Contents** <interface-name>—

---

### <get-application-aware-access-list-statistics-subscriber>

---

**Usage**

```
<rpc>  
<get-application-aware-access-list-statistics-subscriber>  
  <subscriber>subscriber</subscriber>  
</get-application-aware-access-list-statistics-subscriber>  
</rpc>
```

**Description** Show application aware access list statistics by subscriber name

**Contents** <subscriber>—

---

### <get-aps-group-information>

---

**Usage**

```
<rpc>  
<get-aps-group-information>  
  <group_name>group_name</group_name> <!-- mandatory -->
```

```

    </get-aps-group-information>
  </rpc>

```

**Description** Show an APS group

**Contents** <group\_name>—Group name

## <get-aps-information>

---

### Usage

```

<rpc>
  <get-aps-information>
    <brief/>
    <detail/>
    <extensive/>
    <summary/>
  </get-aps-information>
</rpc>

```

**Description** Show Automatic Protection Switching information

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

<summary>—Display summary output

<get-aps-interface-information>—Show an APS interface

<get-aps-group-information>—Show an APS group

## <get-aps-interface-information>

---

### Usage

```

<rpc>
  <get-aps-interface-information>
    <intf_name>intf_name</intf_name> <!-- mandatory -->
  </get-aps-interface-information>
</rpc>

```

**Description** Show an APS interface

**Contents** <intf\_name>—Interface name

## <get-arp-table-information>

---

### Usage

```
<rpc>
  <get-arp-table-information>
    <hostname>hostname</hostname>
    <interface>interface</interface>
    <no-resolve/>
    <expiration-time/>
    <vpn>vpn</vpn>
    <logical-system>logical-system</logical-system>
  </get-arp-table-information>
</rpc>
```

**Description** Show system Address Resolution Protocol table entries

**Contents**

- <hostname>—Name of host
- <interface>—Name of the interface
- <no-resolve>—Don't attempt to print addresses symbolically
- <expiration-time>—Show seconds remaining before expiration
- <vpn>—Name of VPN routing table
- <logical-system>—Name of logical system

## <get-authdlite-user-aaa-test-result>

---

### Usage

```
<rpc>
  <get-authdlite-user-aaa-test-result>
    <user>user</user> <!-- mandatory -->
    <password>password</password>
    <profile>profile</profile>
    <port>port</port>
    <zero-stats/>
  </get-authdlite-user-aaa-test-result>
</rpc>
```

**Description** Test the aaa servers for a authdlite user

**Contents**

- <user>—The username to test
  - username - The username to test
  - access-profile-name - Specify the access profile name which to use for user
  - nas-port - Specify NAS-port to be used for test



<password>—The password associated with username

- access-profile-name - Specify the access profile name which to use for user
- nas-port - Specify NAS-port to be used for test

<profile>—Specify the access profile name which to use for user

- access-profile-name - Specify the access profile name which to use for user
- nas-port - Specify NAS-port to be used for test

<port>—Specify NAS-port to be used for test

- nas-port - Specify NAS-port to be used for test

<zero-stats>—Specify that acct stats should be set to zero

## <get-authentication-pending-table>

### Usage

```
<rpc>
  <get-authentication-pending-table>
    <filter>filter</filter>
    <get-authentication-pending-table-detailed/>
    <get-authentication-pending-table-specific>get-authentication-pending-table-specific</get-authentication-pending-table-specific>
  </get-authentication-pending-table>
</rpc>
```

**Description** Show pending authentication requests

**Contents** <get-authentication-pending-table-detailed>—Show the detailed information

<get-authentication-pending-table-specific>—Show detail information for a specific request

## <get-authentication-statistics>

### Usage

```
<rpc>
  <get-authentication-statistics/>
</rpc>
```

**Description** Show authentication statistics

## <get-authorization-information>

---

**Usage**

```
<rpc>
  <get-authorization-information/>
</rpc>
```

**Description** Show authorization and authentication information

## <get-bfd-session-information>

---

**Usage**

```
<rpc>
  <get-bfd-session-information>
    <summary/>
    <brief/>
    <detail/>
    <extensive/>
    <logical-system>logical-system</logical-system>
  </get-bfd-session-information>
</rpc>
```

**Description** Show all BFD sessions

**Contents**

- <summary>—Display summary output
- <brief>—Display brief output (default)
- <detail>—Display detailed output
- <extensive>—Display extensive output
- <address>—Show BFD session with specific neighbor address
- <discriminator>—Show BFD session with specific local discriminator
- <logical-system>—Name of logical system, or 'all'
- <prefix>—Show all BFD sessions for this LDP FEC

## <get-bgp-group-information>

---

**Usage**

```
<rpc>
  <get-bgp-group-information>
    <logical-system>logical-system</logical-system>
    <summary/>
    <brief/>
    <detail/>
  </get-bgp-group-information>
</rpc>
```

```

    <instance>instance</instance>
    <group-name>group-name</group-name>
  </get-bgp-group-information>
</rpc>

```

**Description** Show the BGP group database

**Contents**

- <logical-system>—Name of logical system, or 'all'
- <get-bgp-rtf-information>—Show route target filtering information
- <get-bgp-traffic-statistics-information>—Show packet statistics for labeled BGP routes
- <summary>—Display summary output
- <brief>—Display brief output (default)
- <detail>—Display detailed output
- <instance>—Show peer information for a particular instance
- <group-name>—Show group information for a particular group

## <get-bgp-neighbor-information>

### Usage

```

<rpc>
  <get-bgp-neighbor-information>
    <daemon-select>daemon-select</daemon-select>
    <logical-system>logical-system</logical-system>
    <fabric/>
    <instance>instance</instance>
    <neighbor-address>neighbor-address</neighbor-address>
  </get-bgp-neighbor-information>
</rpc>

```

**Description** Show the BGP neighbor database

**Contents**

- <logical-system>—Name of logical system, or 'all'
- <fabric>—Internal fabric state
- <get-bgp-orf-information>—Show outbound route filtering information
- <instance>—Show peer information for a particular instance
- <neighbor-address>—Show the neighbor database for a particular neighbor

## <get-bgp-orf-information>

---

### Usage

```
<rpc>
  <get-bgp-orf-information>
    <daemon-select>daemon-select</daemon-select>
    <logical-system>logical-system</logical-system>
    <fabric/>
    <brief/>
    <detail/>
    <instance>instance</instance>
    <neighbor-address>neighbor-address</neighbor-address>
  </get-bgp-orf-information>
</rpc>
```

**Description** Show outbound route filtering information

**Contents** <logical-system>—Name of logical system, or 'all'

<fabric>—Internal fabric state

<brief>—Display brief output (default)

<detail>—Display detailed output

<instance>—Show ORF information for a particular instance

<neighbor-address>—Show ORF information for a particular neighbor

## <get-bgp-rtf-information>

---

### Usage

```
<rpc>
  <get-bgp-rtf-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <group-name>group-name</group-name>
  </get-bgp-rtf-information>
</rpc>
```

**Description** Show route target filtering information

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

<group-name>—Show group information for a particular group

## <get-bgp-summary-information>

### Usage

```

<rpc>
  <get-bgp-summary-information>
    <daemon-select>daemon-select</daemon-select>
    <logical-system>logical-system</logical-system>
    <fabric/>
    <instance>instance</instance>
  </get-bgp-summary-information>
</rpc>

```

**Description** Show overview of BGP information

**Contents** <logical-system>—Name of logical system, or 'all'

<fabric>—Internal fabric state

<instance>—Show peer information for a particular instance

## <get-bgp-traffic-statistics-information>

### Usage

```

<rpc>
  <get-bgp-traffic-statistics-information>
    <daemon-select>daemon-select</daemon-select>
    <logical-system>logical-system</logical-system>
    <fabric/>
    <brief/>
    <detail/>
    <group-name>group-name</group-name>
  </get-bgp-traffic-statistics-information>
</rpc>

```

**Description** Show packet statistics for labeled BGP routes

**Contents** <logical-system>—Name of logical system, or 'all'

<fabric>—Internal fabric state

<brief>—Display brief output (default)

<detail>—Display detailed output

<group-name>—Show group information for a particular group

## <get-bios-version-information>

---

**Usage**

```
<rpc>
  <get-bios-version-information/>
</rpc>
```

**Description** Show BIOS firmware version

## <get-bridge-domain-alt-root-flood-route-information>

---

**Usage**

```
<rpc>
  <get-bridge-domain-alt-root-flood-route-information>
    <interface>interface</interface> <!-- mandatory -->
  </get-bridge-domain-alt-root-flood-route-information>
</rpc>
```

**Description** Show STP alt-root flooding route used for interface

**Contents** <interface>—Interface for which to show alternate-root flooding route

## <get-bridge-domain-bd-flood-route-information>

---

**Usage**

```
<rpc>
  <get-bridge-domain-bd-flood-route-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <bridge-domain>bridge-domain</bridge-domain>
  </get-bridge-domain-bd-flood-route-information>
</rpc>
```

**Description** Show route for flooding traffic of a bridge domain if no-local-switching is not enabled

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Display information for a specified instance

<bridge-domain>—Display information for a specified bridge domain

## <get-bridge-domain-event-queue-information>

---

**Usage**

```
<rpc>
  <get-bridge-domain-event-queue-information/>
```

```
</rpc>
```

**Description** Show queue of pending bridge flood events

### <get-bridge-domain-mlp-flood-route-information>

---

**Usage**

```
<rpc>
  <get-bridge-domain-mlp-flood-route-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <bridge-domain>bridge-domain</bridge-domain>
  </get-bridge-domain-mlp-flood-route-information>
</rpc>
```

**Description** Show route for flooding traffic to MAC learning chips

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Display information for a specified instance

<bridge-domain>—Display information for a specified bridge domain

### <get-bridge-domain-re-flood-route-information>

---

**Usage**

```
<rpc>
  <get-bridge-domain-re-flood-route-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <bridge-domain>bridge-domain</bridge-domain>
  </get-bridge-domain-re-flood-route-information>
</rpc>
```

**Description** Show route for Routing Engine flooding to all interfaces

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Display information for a specified instance

<bridge-domain>—Display information for a specified bridge domain

### <get-bridge-instance-information>

---

**Usage**

```
<rpc>
  <get-bridge-instance-information>
    <instance>instance</instance>
```

```
<bridge-domain-name>bridge-domain-name</bridge-domain-name>
<logical-system>logical-system</logical-system>
<interface-choice>interface-choice</interface-choice>
<interface>interface</interface>
<detail/>
<brief/>
<extensive/>
</get-bridge-instance-information>
</rpc>
```

**Description** Show bridge domain information

**Contents**

- <instance>—Display information for a specified instance
- <bridge-domain-name>—Display information for a specified bridge domain
- <logical-system>—Name of logical system, or 'all'
- <interface>—Name of interface for which to display table
- <detail>—Display detailed output
- <brief>—Display brief output
- <extensive>—Display extensive output
- <operational>—Show operational bridging instance

---

## <get-bridge-interface-mac-table>

---

### Usage

```
<rpc>
<get-bridge-interface-mac-table>
  <interface-choice>interface-choice</interface-choice> <!-- mandatory -->
  <interface-name>interface-name</interface-name>
  <all/>
  <remote-beb-mac-address>remote-beb-mac-address</remote-beb-mac-address>

  <vlan-id>vlan-id</vlan-id>
  <isid>isid</isid>
  <detail/>
  <brief/>
  <extensive/>
  <count/>
</get-bridge-interface-mac-table>
</rpc>
```

**Description** Display MAC table for a specified interface

**Contents** <interface-name>—Name of interface for which to display table



- all-vlan - Display MAC addresses on all VLAN(s)
- vlan-id - Display MAC address learned on a specified VLAN
- all-isid - Display Information for all ISID(s)
- isid - Display information for a specified ISID

<all>—Display MAC table for all the interfaces

- all-vlan - Display MAC addresses on all VLAN(s)
- vlan-id - Display MAC address learned on a specified VLAN
- all-isid - Display Information for all ISID(s)
- isid - Display information for a specified ISID

<remote-beb-mac-address>—Remote backbone edge bridge MAC address

- all-vlan - Display MAC addresses on all VLAN(s)
- vlan-id - Display MAC address learned on a specified VLAN
- all-isid - Display Information for all ISID(s)
- isid - Display information for a specified ISID

<vlan-id>—Display MAC address learned on a specified VLAN

- all-vlan - Display MAC addresses on all VLAN(s)
- vlan-id - Display MAC address learned on a specified VLAN
- all-isid - Display Information for all ISID(s)
- isid - Display information for a specified ISID

<isid>—Display Information for specified ISID or all ISID(s)

- all-isid - Display Information for all ISID(s)
- isid - Display information for a specified ISID

<detail>—Display detailed output

<brief>—Display brief output

<extensive>—Display extensive output

<count>—Display count only

---

## <get-bridge-mac-table>

### Usage

```
<rpc>  
<get-bridge-mac-table>  
<instance>instance</instance>
```

```
<bridge-domain>bridge-domain</bridge-domain>
<logical-system>logical-system</logical-system>
<vlan-id>vlan-id</vlan-id>
<isid>isid</isid>
<address>address</address>
<detail/>
<brief/>
<extensive/>
<count/>
</get-bridge-mac-table>
</rpc>
```

**Description** Show media access control table

**Contents** <get-bridge-interface-mac-table>—Display MAC table for a specified interface

- all-vlan - Display MAC addresses on all VLAN(s)
- vlan-id - Display MAC address learned on a specified VLAN
- all-isid - Display Information for all ISID(s)
- isid - Display information for a specified ISID

<instance>—Display information for a specified instance

- all-vlan - Display MAC addresses on all VLAN(s)
- vlan-id - Display MAC address learned on a specified VLAN
- all-isid - Display Information for all ISID(s)
- isid - Display information for a specified ISID

<bridge-domain>—Name of bridging domain, or 'all'

- all-vlan - Display MAC addresses on all VLAN(s)
- vlan-id - Display MAC address learned on a specified VLAN
- all-isid - Display Information for all ISID(s)
- isid - Display information for a specified ISID

<logical-system>—Name of logical system, or 'all'

- all-vlan - Display MAC addresses on all VLAN(s)
- vlan-id - Display MAC address learned on a specified VLAN
- all-isid - Display Information for all ISID(s)
- isid - Display information for a specified ISID

<vlan-id>—Display MAC address learned on a specified VLAN

- all-vlan - Display MAC addresses on all VLAN(s)
- vlan-id - Display MAC address learned on a specified VLAN
- all-isid - Display Information for all ISID(s)
- isid - Display information for a specified ISID

<isid>—Display Information for specified ISID or all ISID(s)

- all-isid - Display Information for all ISID(s)
- isid - Display information for a specified ISID

<address>—MAC address

<detail>—Display detailed output

<brief>—Display brief output

<extensive>—Display extensive output

<count>—Display count only

---

## <get-bridge-statistics-information>

### Usage

```
<rpc>
  <get-bridge-statistics-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <bridge-domain>bridge-domain</bridge-domain>
  </get-bridge-statistics-information>
</rpc>
```

**Description** Show bridge statistics information

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Display information for a specified instance

<bridge-domain>—Display information for a specified bridge domain

---

## <get-cfeb-information>

### Usage

```
<rpc>
  <get-cfeb-information/>
</rpc>
```

**Description** Show Compact Forwarding Engine Board status

## <get-cfm-delay-statistics>

---

### Usage

```
<rpc>
  <get-cfm-delay-statistics>
    <maintenance-domain>maintenance-domain</maintenance-domain> <!--
mandatory -->
    <maintenance-association>maintenance-association</maintenance-association>
  <!-- mandatory -->
    <local-mep>local-mep</local-mep>
    <remote-mep>remote-mep</remote-mep>
    <count>count</count>
    <logical-system>logical-system</logical-system>
  </get-cfm-delay-statistics>
</rpc>
```

**Description** Show Ethernet OAM maintenance endpoint delay statistics information

**Contents**

- <maintenance-domain>—Name of maintenance domain
- <maintenance-association>—Name of maintenance association
- <local-mep>—Identifier for local maintenance endpoint
- <remote-mep>—Identifier for remote maintenance endpoint
- <count>—Number of delay statistics per maintenance endpoint
- <logical-system>—Name of logical system

## <get-cfm-forwarding-state-instance-information>

---

### Usage

```
<rpc>
  <get-cfm-forwarding-state-instance-information>
    <instance-name>instance-name</instance-name>
    <bridge-domain>bridge-domain</bridge-domain>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <extensive/>
  </get-cfm-forwarding-state-instance-information>
</rpc>
```

**Description** Show Ethernet OAM state for a forwarding instance

**Contents**

- <instance-name>—Show information for a particular routing instance
- <bridge-domain>—Show information for a particular bridge domain

<logical-system>—Name of logical system

<brief>—Display brief output

<detail>—Display detail output

<extensive>—Display extensive output

---

## <get-cfm-forwarding-state-interface-information>

---

### Usage

```
<rpc>
  <get-cfm-forwarding-state-interface-information>
    <interface-name>interface-name</interface-name>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <extensive/>
  </get-cfm-forwarding-state-interface-information>
</rpc>
```

**Description** Show Ethernet OAM state for an interface

**Contents** <interface-name>—Display information for this logical interface

<logical-system>—Name of logical system

<brief>—Display brief output

<detail>—Display detail output

<extensive>—Display extensive output

---

## <get-cfm-interfaces-information>

---

### Usage

```
<rpc>
  <get-cfm-interfaces-information>
    <interface-name>interface-name</interface-name>
    <vlan>vlan</vlan>
    <level>level</level>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <extensive/>
  </get-cfm-interfaces-information>
</rpc>
```

**Description** Show Ethernet OAM information for interface

**Contents**    <interface-name>—Name of interface

                 <vlan>—Trunk interface VLAN

                 <level>—Level value for maintenance domain

                 <logical-system>—Name of logical system, or 'all'

                 <brief>—Display brief output

                 <detail>—Display detail output

                 <extensive>—Display extensive output

---

## <get-cfm-iterator-statistics>

---

### Usage

```
<rpc>
  <get-cfm-iterator-statistics>
    <sla-iterator>sla-iterator</sla-iterator> <!-- mandatory -->
    <maintenance-domain>maintenance-domain</maintenance-domain> <!--
mandatory -->
    <maintenance-association>maintenance-association</maintenance-association>
  <!-- mandatory -->
    <local-mep>local-mep</local-mep> <!-- mandatory -->
    <remote-mep>remote-mep</remote-mep> <!-- mandatory -->
    <logical-system>logical-system</logical-system>
  </get-cfm-iterator-statistics>
</rpc>
```

**Description**    Show Ethernet OAM SLA iterator statistics information

**Contents**    <sla-iterator>—Name of the iterator profile

                 <maintenance-domain>—Name of maintenance domain

                 <maintenance-association>—Name of maintenance association

                 <local-mep>—Identifier for local maintenance endpoint

                 <remote-mep>—MEP identifier of remote host

                 <logical-system>—Name of logical system

---

## <get-cfm-linktrace-path-database>

---

### Usage

```
<rpc>
  <get-cfm-linktrace-path-database>
    <logical-system>logical-system</logical-system>
    <maintenance-domain>maintenance-domain</maintenance-domain> <!--
mandatory -->
```

```

        <maintenance-association>maintenance-association</maintenance-association>
<!-- mandatory -->
        <host>host</host> <!-- mandatory -->
    </get-cfm-linktrace-path-database>
</rpc>

```

**Description** Display the linktrace path-database for a remote host

**Contents** <logical-system>—Name of logical system

<maintenance-domain>—Name of maintenance domain

<maintenance-association>—Name of maintenance association

<host>—MAC address of remote host in xx:xx:xx:xx:xx:xx format

## <get-cfm-loss-statistics>

### Usage

```

<rpc>
  <get-cfm-loss-statistics>
    <maintenance-domain>maintenance-domain</maintenance-domain> <!--
mandatory -->
    <maintenance-association>maintenance-association</maintenance-association>
  <!-- mandatory -->
    <local-mep>local-mep</local-mep>
    <remote-mep>remote-mep</remote-mep>
    <count>count</count>
    <session-id>session-id</session-id>
  </get-cfm-loss-statistics>
</rpc>

```

**Description** Show Ethernet OAM maintenance endpoint loss statistics information

**Contents** <maintenance-domain>—Name of maintenance domain

<maintenance-association>—Name of maintenance association

<local-mep>—Identifier for local maintenance endpoint

<remote-mep>—Identifier for remote maintenance endpoint

<count>—Number of loss statistics per maintenance endpoint

<session-id>—Ethernet loss measurement client session id

## <get-cfm-mep-database>

### Usage

```

<rpc>

```

```
<get-cfm-mep-database>
  <maintenance-domain>maintenance-domain</maintenance-domain> <!--
mandatory -->
  <maintenance-association>maintenance-association</maintenance-association>
<!-- mandatory -->
  <local-mep>local-mep</local-mep>
  <remote-mep>remote-mep</remote-mep>
  <logical-system>logical-system</logical-system>
</get-cfm-mep-database>
</rpc>
```

**Description** Show Ethernet OAM maintenance endpoint database information

**Contents**

- <maintenance-domain>—Name of maintenance domain
- <maintenance-association>—Name of maintenance association
- <local-mep>—Identifier for local maintenance endpoint
- <remote-mep>—Identifier for remote maintenance endpoint
- <logical-system>—Name of logical system

---

## <get-cfm-mep-statistics>

---

### Usage

```
<rpc>
  <get-cfm-mep-statistics>
    <maintenance-domain>maintenance-domain</maintenance-domain> <!--
mandatory -->
    <maintenance-association>maintenance-association</maintenance-association>
<!-- mandatory -->
    <local-mep>local-mep</local-mep>
    <remote-mep>remote-mep</remote-mep>
    <count>count</count>
    <logical-system>logical-system</logical-system>
  </get-cfm-mep-statistics>
</rpc>
```

**Description** Show Ethernet OAM maintenance endpoint statistics information

**Contents**

- <maintenance-domain>—Name of maintenance domain
- <maintenance-association>—Name of maintenance association
- <local-mep>—Identifier for local maintenance endpoint
- <remote-mep>—Identifier for remote maintenance endpoint
- <count>—Number of statistics per maintenance endpoint



<logical-system>—Name of logical system

## <get-cfm-mip-information>

### Usage

```
<rpc>
  <get-cfm-mip-information>
    <logical-system>logical-system</logical-system>
    <instance-name>instance-name</instance-name>
    <bridge-domain>bridge-domain</bridge-domain>
    <interface-name>interface-name</interface-name>
    <vlan>vlan</vlan>
  </get-cfm-mip-information>
</rpc>
```

**Description** Display MIP information

**Contents** <logical-system>—Name of logical system

<instance-name>—Show information for a particular routing instance

<bridge-domain>—Show information for a particular bridge domain

<interface-name>—Display information for this logical interface

<vlan>—Show information for a particular VLAN within a bridge domain

## <get-chassis-beacon-information>

### Usage

```
<rpc>
  <get-chassis-beacon-information>
    <which-arg>which-arg</which-arg>
    <all>all</all>
    <fpc>fpc</fpc>
    <cb>cb</cb>
  </get-chassis-beacon-information>
</rpc>
```

**Description** Show beacon status

**Contents** <all>—Beacons in ON/OFF state

- off - Beacons in OFF state
- on - Beacons in ON state

<fpc>—Flexible PIC Controller slot number

<cb>—Control Board slot number

## <get-chassis-cb-beacon-information>

---

**Usage**

```
<rpc>
  <get-chassis-cb-beacon-information>
    <interconnect-device>interconnect-device</interconnect-device> <!-- mandatory
-->
    <slot>slot</slot> <!-- mandatory -->
  </get-chassis-cb-beacon-information>
</rpc>
```

**Description** Show Control Board beacon status

**Contents** <interconnect-device>—Interconnect device name

<slot>—CB slot number

## <get-chassis-fabric-connectivity-information>

---

**Usage**

```
<rpc>
  <get-chassis-fabric-connectivity-information>
    <device>device</device>
    <slot>slot</slot>
    <inter-chassis/>
    <intra-chassis/>
  </get-chassis-fabric-connectivity-information>
</rpc>
```

**Description** Show data-center fabric connectivity

**Contents** <device>—Device alias name or serial number

<slot>—Slot number

<inter-chassis>—Inter chassis fabric link connectivity details

<intra-chassis>—Intra chassis fabric link connectivity details

## <get-chassis-fabric-information-device>

---

**Usage**

```
<rpc>
  <get-chassis-fabric-information-device>
    <device-id>device-id</device-id>
  </get-chassis-fabric-information-device>
</rpc>
```

**Description** Show chassis fabric devices running FM component

**Contents** <device-id>—Device alias name or serial number

---

### <get-chassis-fabric-link-information>

---

**Usage**

```
<rpc>
  <get-chassis-fabric-link-information>
    <up/>
    <down/>
    <error/>
    <all/>
    <device>device</device>
    <slot>slot</slot>
  </get-chassis-fabric-link-information>
</rpc>
```

**Description** Show data-center fabric links

**Contents** <up>—Up links

<down>—Down links

<error>—Error links

<all>—All links

<device>—Device alias name or serial number

<slot>—Slot number

---

### <get-chassis-fabric-spray-weight-information>

---

**Usage**

```
<rpc>
  <get-chassis-fabric-spray-weight-information>
</get-chassis-fabric-spray-weight-information>
</rpc>
```

**Description** Show fabric spray-weights

**Contents** <from>—Spray weights on

<to>—Spray weights to

## <get-chassis-fabric-topology-information>

---

**Usage**

```
<rpc>
  <get-chassis-fabric-topology-information>
    <sib-slot>sib-slot</sib-slot>
    <device>device</device>
    <slot>slot</slot>
  </get-chassis-fabric-topology-information>
</rpc>
```

**Description** Show fabric topology information

**Contents** <sib-slot>—SIB slot number

<device>—Device alias name or serial number

<slot>—Slot number

## <get-chassis-fpc-beacon-information>

---

**Usage**

```
<rpc>
  <get-chassis-fpc-beacon-information>
    <slot>slot</slot> <!-- mandatory -->
  </get-chassis-fpc-beacon-information>
</rpc>
```

**Description** Show Flexible PIC Controller beacon status

**Contents** <slot>—FPC slot number

## <get-chassis-inventory>

---

**Usage**

```
<rpc>
  <get-chassis-inventory>
    <detail/>
    <extensive/>
    <models/>
    <clei-models/>
    <interconnect-device>interconnect-device</interconnect-device>
    <node-device>node-device</node-device>
    <fpc>fpc</fpc>
  </get-chassis-inventory>
</rpc>
```

**Description** Show installed hardware components

**Contents** <detail>—Include RAM and disk information in output  
 <extensive>—Display ID EEPROM information  
 <models>—Display serial number and model number for orderable FRUs  
 <clei-models>—Display CLEI barcode and model number for orderable FRUs  
 <interconnect-device>—Interconnect device identifier  
 <node-device>—Node device identifier  
 <fpc>—Flexible PIC Controller slot number

## <get-chassis-location>

---

**Usage**

```
<rpc>
  <get-chassis-location>
</get-chassis-location>
</rpc>
```

**Description** Show physical location of chassis

**Contents** <interface>—Show physical location of interface  
 <fpc>—Show physical location of all fpcs

## <get-chassis-zones-information>

---

**Usage**

```
<rpc>
  <get-chassis-zones-information>
    <interconnect-device>interconnect-device</interconnect-device> <!-- mandatory
-->
    <detail/>
  </get-chassis-zones-information>
</rpc>
```

**Description** Show chassis cooling zones information

**Contents** <interconnect-device>—Interconnect device identifier  
 <detail>—Display detailed output

## <get-checksum-information>

---

**Usage**

```
<rpc>
  <get-checksum-information>
    <path>path</path> <!-- mandatory -->
    <method>method</method>
  </get-checksum-information>
</rpc>
```

**Description** Calculate MD5 checksum of a file

**Contents** <path>—Path to filename

- md5 - Calculate MD5 checksum of a file
- sha1 - Calculate SHA1 checksum of a file
- sha-256 - Calculate SHA-256 checksum of a file

<method>—

- md5 - Calculate MD5 checksum of a file
- sha1 - Calculate SHA1 checksum of a file
- sha-256 - Calculate SHA-256 checksum of a file

## <get-cli-tip>

---

**Usage**

```
<rpc>
  <get-cli-tip>
    <number>number</number>
  </get-cli-tip>
</rpc>
```

**Description** Tip about using the CLI

**Contents** <number>—

## <get-clock-synchronization-information>

---

**Usage**

```
<rpc>
  <get-clock-synchronization-information>
    <interface>interface</interface>
    <extensive/>
  </get-clock-synchronization-information>
```

---

```
</rpc>
```

**Description** Show clock synchronization information

**Contents** <interface>—Name of physical interface

<extensive>—Show clock synchronization information in detail

<master>—Show master clock information

<backup>—Show backup clock information

### <get-commit-information>

---

**Usage**

```
<rpc>
  <get-commit-information/>
</rpc>
```

**Description** Show pending commit requests (if any) and commit history

### <get-core-file-information>

---

**Usage**

```
<rpc>
  <get-core-file-information>
    <component>component</component>
    <local/>
    <detail/>
    <brief/>
    <core-filename>core-filename</core-filename> <!-- mandatory -->
  </get-core-file-information>
</rpc>
```

**Description** Display the stack trace of core file

**Contents** <component>—Name of the component (uuid or serial number)

<local>—Display contents of local repository

<detail>—View stack trace with details of binary

<brief>—View details of binary

<core-filename>—Name of core file

## <get-core-key-list>

---

**Usage**

```
<rpc>
  <get-core-key-list/>
</rpc>
```

**Description** Show core keys in use

## <get-cos-adaptive-shaper-information>

---

**Usage**

```
<rpc>
  <get-cos-adaptive-shaper-information>
    <adaptive-shaper-name>adaptive-shaper-name</adaptive-shaper-name>
  </get-cos-adaptive-shaper-information>
</rpc>
```

**Description** Show trigger types and associated rate for adaptive shaper

**Contents** <adaptive-shaper-name>—Name of adaptive shaper

## <get-cos-classifier-information>

---

**Usage**

```
<rpc>
  <get-cos-classifier-information>
    <classifier-name>classifier-name</classifier-name>
    <type>type</type>
  </get-cos-classifier-information>
</rpc>
```

**Description** Show mapping of code point to forwarding class/loss priority

**Contents** <classifier-name>—Name of classifier

- dscp - Differentiated Services code point (DSCP)
- dscp-ipv6 - Differentiated Services code point (DSCP) for IPv6
- exp - MPLS experimental code point
- ieee-802.1 - IEEE-802.1 code point
- inet-precedence - IPv4 precedence code point
- ieee-802.1ad - IEEE-802.1ad (DEI) code point

<type>—Type of classifier



- dscp - Differentiated Services code point (DSCP)
- dscp-ipv6 - Differentiated Services code point (DSCP) for IPv6
- exp - MPLS experimental code point
- ieee-802.1 - IEEE-802.1 code point
- inet-precedence - IPv4 precedence code point
- ieee-802.1ad - IEEE-802.1ad (DEI) code point

---

### <get-cos-classifier-table-information>

---

**Usage**

```
<rpc>
  <get-cos-classifier-table-information>
</get-cos-classifier-table-information>
</rpc>
```

**Description** Show classifier information

**Contents** <get-cos-classifier-table-map-information>—Show mapping of interfaces to classifiers

---

### <get-cos-classifier-table-map-information>

---

**Usage**

```
<rpc>
  <get-cos-classifier-table-map-information/>
</rpc>
```

**Description** Show mapping of interfaces to classifiers

---

### <get-cos-code-point-map-information>

---

**Usage**

```
<rpc>
  <get-cos-code-point-map-information>
    <dscp/>
    <dscp-ipv6/>
    <exp/>
    <ieee-802.1/>
    <inet-precedence/>
    <ieee-802.1ad/>
  </get-cos-code-point-map-information>
</rpc>
```

**Description** Show mapping of symbolic name to code point bit pattern

- Contents**
- <dscp>—Differentiated Services code point (DSCP)
  - <dscp-ipv6>—Differentiated Services code point (DSCP) for IPv6
  - <exp>—MPLS experimental code point
  - <ieee-802.1>—IEEE-802.1 code point
  - <inet-precedence>—IPv4 precedence code point
  - <ieee-802.1ad>—IEEE-802.1ad (DEI) code point

---

### <get-cos-congestion-notification-information>

---

**Usage**

```
<rpc>
  <get-cos-congestion-notification-information>
    <cnp-name>cnp-name</cnp-name>
  </get-cos-congestion-notification-information>
</rpc>
```

**Description** Show congestion-notification information

**Contents** <cnp-name>—Name of congestion notification profile

---

### <get-cos-drop-profile-information>

---

**Usage**

```
<rpc>
  <get-cos-drop-profile-information>
    <profile-name>profile-name</profile-name>
  </get-cos-drop-profile-information>
</rpc>
```

**Description** Show interpolated data points of named drop profile

**Contents** <profile-name>—Name of drop profile

---

### <get-cos-fabric-scheduler-map-information>

---

**Usage**

```
<rpc>
  <get-cos-fabric-scheduler-map-information/>
</rpc>
```

**Description** Show fabric scheduler map information

## <get-cos-forwarding-class-information>

---

**Usage**

```

<rpc>
  <get-cos-forwarding-class-information>

  <get-cos-forwarding-class-map-information>get-cos-forwarding-class-map-information</get-cos-forwarding-class-map-information>

  </get-cos-forwarding-class-information>
</rpc>

```

**Description** Show mapping of forwarding class names to queue numbers

**Contents** <get-cos-forwarding-class-map-information>—Name of forwarding class map

## <get-cos-forwarding-class-map-interface-table-information>

---

**Usage**

```

<rpc>
  <get-cos-forwarding-class-map-interface-table-information/>
</rpc>

```

**Description** Show interface to forwarding class mapping

## <get-cos-forwarding-class-map-table-information>

---

**Usage**

```

<rpc>
  <get-cos-forwarding-class-map-table-information>
  </get-cos-forwarding-class-map-table-information>
</rpc>

```

**Description** Show forwarding class map information

**Contents** <get-cos-forwarding-class-map-interface-table-information>—Show interface to forwarding class mapping

## <get-cos-forwarding-class-set-information>

---

**Usage**

```

<rpc>
  <get-cos-forwarding-class-set-information>

  <forwarding-class-set-name>forwarding-class-set-name</forwarding-class-set-name>

  </get-cos-forwarding-class-set-information>

```

```
</rpc>
```

**Description** Show forwarding-class-sets that are active

**Contents** <forwarding-class-set-name>—Name of forwarding class set

---

## <get-cos-fragmentation-map-information>

---

### Usage

```
<rpc>
  <get-cos-fragmentation-map-information>
    <fragmentation-map-name>fragmentation-map-name</fragmentation-map-name>

  </get-cos-fragmentation-map-information>
</rpc>
```

**Description** Show mapping of forwarding classes to fragmentation options

**Contents** <fragmentation-map-name>—Name of fragmentation map

---

## <get-cos-fwtab-fabric-scheduler-map-information>

---

### Usage

```
<rpc>
  <get-cos-fwtab-fabric-scheduler-map-information/>
</rpc>
```

**Description** Show fabric scheduler map

---

## <get-cos-information>

---

### Usage

```
<rpc>
  <get-cos-information>
  </get-cos-information>
</rpc>
```

**Description** Show class-of-service (CoS) information

**Contents** <get-cos-forwarding-class-information>—Show mapping of forwarding class names to queue numbers

<get-cos-forwarding-class-set-information>—Show forwarding-class-sets that are active

<get-cos-drop-profile-information>—Show interpolated data points of named drop profile

<get-cos-adaptive-shaper-information>—Show trigger types and associated rate for adaptive shaper

<get-cos-virtual-channel-information>—Show virtual channel names

<get-cos-virtual-channel-group-information>—Show virtual channel group information

<get-cos-classifier-information>—Show mapping of code point to forwarding class/loss priority

<get-cos-l2tp-session-map-information>—Show mapping of CoS objects to L2TP sessions

<get-cos-loss-priority-map-information>—Show mapping of code point to loss priority

<get-cos-loss-priority-rewrite-information>—Show mapping of loss priority to code point

<get-cos-rewrite-information>—Show mapping of forwarding class/loss priority to code point

<get-cos-multi-destination-information>—Show multi destination

<get-cos-code-point-map-information>—Show mapping of symbolic name to code point bit pattern

<get-cos-scheduler-map-information>—Show mapping of forwarding classes to schedulers

<get-cos-traffic-control-profile-information>—Show traffic control profiles

<get-cos-fragmentation-map-information>—Show mapping of forwarding classes to fragmentation options

<get-cos-interface-map-information>—Show mapping of CoS objects to interfaces

<get-cos-interface-set-map-information>—Show mapping of CoS objects to interface-set

<get-cos-routing-instance-map-information>—Show mapping of CoS objects to routing instance

<get-cos-table-information>—Show forwarding table information

<fabric>—Show fabric information

<get-cos-translation-table-map-information>—Show mapping of code point to code point

<get-cos-congestion-notification-information>—Show congestion-notification information

---

## <get-cos-interface-map-information>

---

### Usage

```
<rpc>  
  <get-cos-interface-map-information>  
    <interface-name>interface-name</interface-name>  
    <comprehensive/>  
    <detail/>
```

```
</get-cos-interface-map-information>
</rpc>
```

**Description** Show mapping of CoS objects to interfaces

**Contents** <interface-name>—Name of interface  
  
<comprehensive>—Show interface, filter, policer and CoS information comprehensively  
  
<detail>—Show interface information, filter, policer and CoS object names

---

### <get-cos-interface-set-map-information>

---

**Usage**

```
<rpc>
  <get-cos-interface-set-map-information>
    <interface-set-name>interface-set-name</interface-set-name>
  </get-cos-interface-set-map-information>
</rpc>
```

**Description** Show mapping of CoS objects to interface-set

**Contents** <interface-set-name>—Name of interface set

---

### <get-cos-l2tp-session-map-information>

---

**Usage**

```
<rpc>
  <get-cos-l2tp-session-map-information>
    <session-id>session-id</session-id>
  </get-cos-l2tp-session-map-information>
</rpc>
```

**Description** Show mapping of CoS objects to L2TP sessions

**Contents** <session-id>—Session Index

---

### <get-cos-loss-priority-map-information>

---

**Usage**

```
<rpc>
  <get-cos-loss-priority-map-information>
    <loss-priority-map-name>loss-priority-map-name</loss-priority-map-name>
    <type>type</type>
  </get-cos-loss-priority-map-information>
</rpc>
```

**Description** Show mapping of code point to loss priority

**Contents** <loss-priority-map-name>—Name of loss priority map

- frame-relay-de - Frame Relay discard eligible code point

<type>—

- frame-relay-de - Frame Relay discard eligible code point

---

### <get-cos-loss-priority-map-table-binding-information>

---

**Usage**

```
<rpc>  
  <get-cos-loss-priority-map-table-binding-information/>  
</rpc>
```

**Description** Show interface to loss priority map binding

---

### <get-cos-loss-priority-map-table-information>

---

**Usage**

```
<rpc>  
  <get-cos-loss-priority-map-table-information>  
  </get-cos-loss-priority-map-table-information>  
</rpc>
```

**Description** Show loss priority map table

**Contents** <get-cos-loss-priority-map-table-binding-information>—Show interface to loss priority map binding

---

### <get-cos-loss-priority-rewrite-information>

---

**Usage**

```
<rpc>  
  <get-cos-loss-priority-rewrite-information>  
  <loss-priority-rewrite-name>loss-priority-rewrite-name</loss-priority-rewrite-name>  
  
  <type>type</type>  
  </get-cos-loss-priority-rewrite-information>  
</rpc>
```

**Description** Show mapping of loss priority to code point

**Contents** <loss-priority-rewrite-name>—Name of loss priority rewrite

- frame-relay-de - Frame Relay discard eligible code point

<type>—

- frame-relay-de - Frame Relay discard eligible code point

---

## <get-cos-loss-priority-rewrite-table-binding-information>

---

### Usage

```
<rpc>
  <get-cos-loss-priority-rewrite-table-binding-information/>
</rpc>
```

**Description** Show interface to loss priority rewrite binding

---

## <get-cos-loss-priority-rewrite-table-information>

---

### Usage

```
<rpc>
  <get-cos-loss-priority-rewrite-table-information>
  </get-cos-loss-priority-rewrite-table-information>
</rpc>
```

**Description** Show loss priority rewrite table

**Contents** <get-cos-loss-priority-rewrite-table-binding-information>—Show interface to loss priority rewrite binding

---

## <get-cos-multi-destination-information>

---

### Usage

```
<rpc>
  <get-cos-multi-destination-information/>
</rpc>
```

**Description** Show multi destination

---

## <get-cos-policer-table-map-information>

---

### Usage

```
<rpc>
  <get-cos-policer-table-map-information/>
</rpc>
```

**Description** Show policer



## <get-cos-red-information>

### Usage

```
<rpc>
  <get-cos-red-information/>
</rpc>
```

**Description** Show random early detection drop profile

## <get-cos-rewrite-information>

### Usage

```
<rpc>
  <get-cos-rewrite-information>
    <rewrite-rule-name>rewrite-rule-name</rewrite-rule-name>
    <type>type</type>
  </get-cos-rewrite-information>
</rpc>
```

**Description** Show mapping of forwarding class/loss priority to code point

**Contents** <rewrite-rule-name>—Name of rewrite rule

- dscp - Differentiated Services code point (DSCP)
- dscp-ipv6 - Differentiated Services code point (DSCP) for IPv6
- exp - MPLS experimental code point
- ieee-802.1 - IEEE-802.1 code point
- inet-precedence - IPv4 precedence code point
- frame-relay-de - Frame relay discard eligible bit code point
- ieee-802.1ad - IEEE-802.1ad (DEI) code point

<type>—Type of rewrite rule

- dscp - Differentiated Services code point (DSCP)
- dscp-ipv6 - Differentiated Services code point (DSCP) for IPv6
- exp - MPLS experimental code point
- ieee-802.1 - IEEE-802.1 code point
- inet-precedence - IPv4 precedence code point
- frame-relay-de - Frame relay discard eligible bit code point
- ieee-802.1ad - IEEE-802.1ad (DEI) code point

## <get-cos-rewrite-table-information>

---

**Usage**

```
<rpc>  
  <get-cos-rewrite-table-information>  
  </get-cos-rewrite-table-information>  
</rpc>
```

**Description** Show rewrite information

**Contents** <get-cos-rewrite-table-map-information>—Show interface to rewrite rule mapping

## <get-cos-rewrite-table-map-information>

---

**Usage**

```
<rpc>  
  <get-cos-rewrite-table-map-information/>  
</rpc>
```

**Description** Show interface to rewrite rule mapping

## <get-cos-routing-instance-map-information>

---

**Usage**

```
<rpc>  
  <get-cos-routing-instance-map-information>  
    <routing-instance-name>routing-instance-name</routing-instance-name>  
  </get-cos-routing-instance-map-information>  
</rpc>
```

**Description** Show mapping of CoS objects to routing instance

**Contents** <routing-instance-name>—Name of routing instance

## <get-cos-scheduler-map-information>

---

**Usage**

```
<rpc>  
  <get-cos-scheduler-map-information>  
    <scheduler-map-name>scheduler-map-name</scheduler-map-name>  
  </get-cos-scheduler-map-information>  
</rpc>
```

**Description** Show mapping of forwarding classes to schedulers

**Contents**    <scheduler-map-name>—Name of scheduler map

## <get-cos-scheduler-map-table-information>

---

**Usage**

```
<rpc>
  <get-cos-scheduler-map-table-information/>
</rpc>
```

**Description**    Show scheduler map

## <get-cos-shaper-table-map-information>

---

**Usage**

```
<rpc>
  <get-cos-shaper-table-map-information/>
</rpc>
```

**Description**    Show shaper

## <get-cos-table-information>

---

**Usage**

```
<rpc>
  <get-cos-table-information>
  </get-cos-table-information>
</rpc>
```

**Description**    Show forwarding table information

**Contents**    <get-cos-classifier-table-information>—Show classifier information

                 <get-cos-loss-priority-map-table-information>—Show loss priority map table

                 <get-cos-loss-priority-rewrite-table-information>—Show loss priority rewrite table

                 <get-cos-scheduler-map-table-information>—Show scheduler map

                 <get-cos-policer-table-map-information>—Show policer

                 <get-cos-shaper-table-map-information>—Show shaper

                 <get-cos-red-information>—Show random early detection drop profile

                 <get-cos-rewrite-table-information>—Show rewrite information

                 <get-cos-forwarding-class-map-table-information>—Show forwarding class map information

<fabric>—Show fabric information

<get-cos-translation-table-information>—Show translation table information

---

## <get-cos-traffic-control-profile-information>

---

### Usage

```
<rpc>
  <get-cos-traffic-control-profile-information>

  <traffic-control-profile-name>traffic-control-profile-name</traffic-control-profile-name>

  </get-cos-traffic-control-profile-information>
</rpc>
```

**Description** Show traffic control profiles

**Contents** <traffic-control-profile-name>—Name of traffic control profile

---

## <get-cos-translation-table-information>

---

### Usage

```
<rpc>
  <get-cos-translation-table-information>
  </get-cos-translation-table-information>
</rpc>
```

**Description** Show translation table information

**Contents** <get-cos-translation-table-mapping-information>—Show mapping of interfaces to translation table

---

## <get-cos-translation-table-map-information>

---

### Usage

```
<rpc>
  <get-cos-translation-table-map-information>
  <translation-table-name>translation-table-name</translation-table-name>
  <type>type</type>
  </get-cos-translation-table-map-information>
</rpc>
```

**Description** Show mapping of code point to code point

**Contents** <translation-table-name>—Name of translation table

- to-inet-precedence-from-inet-precedence - INET PRECEDENCE to INET PRECEDENCE translation table
- to-dscp-from-dscp - DSCP to DSCP translation table
- to-dscp-ipv6-from-dscp-ipv6 - DSCP IPV6 to DSCP IPV6 translation table
- to-exp-from-exp - EXP to EXP translation table

<type>—Type of translation table

- to-inet-precedence-from-inet-precedence - INET PRECEDENCE to INET PRECEDENCE translation table
- to-dscp-from-dscp - DSCP to DSCP translation table
- to-dscp-ipv6-from-dscp-ipv6 - DSCP IPV6 to DSCP IPV6 translation table
- to-exp-from-exp - EXP to EXP translation table

---

### <get-cos-translation-table-mapping-information>

---

#### Usage

```
<rpc>  
<get-cos-translation-table-mapping-information/>  
</rpc>
```

**Description** Show mapping of interfaces to translation table

---

### <get-cos-virtual-channel-group-information>

---

#### Usage

```
<rpc>  
<get-cos-virtual-channel-group-information>  
  
<virtual-channel-group-name>virtual-channel-group-name</virtual-channel-group-name>  
  
</get-cos-virtual-channel-group-information>  
</rpc>
```

**Description** Show virtual channel group information

**Contents** <virtual-channel-group-name>—Name of virtual channel group

---

### <get-cos-virtual-channel-information>

---

#### Usage

```
<rpc>  
<get-cos-virtual-channel-information>  
<virtual-channel-name>virtual-channel-name</virtual-channel-name>
```

```
</get-cos-virtual-channel-information>
</rpc>
```

**Description** Show virtual channel names

**Contents** <virtual-channel-name>—Name of virtual channel

---

### <get-cpcd-pic-information>

---

**Usage**

```
<rpc>
  <get-cpcd-pic-information>
    <pic-name>pic-name</pic-name>
  </get-cpcd-pic-information>
</rpc>
```

**Description** Show pic database

**Contents** <pic-name>—

---

### <get-cpcd-pic-statistics>

---

**Usage**

```
<rpc>
  <get-cpcd-pic-statistics>
    <pic-name>pic-name</pic-name> <!-- mandatory -->
  </get-cpcd-pic-statistics>
</rpc>
```

**Description** Show captive portal and content delivery statistics by PIC

**Contents** <pic-name>—

---

### <get-cpcd-profile>

---

**Usage**

```
<rpc>
  <get-cpcd-profile>
    <profile-name>profile-name</profile-name>
  </get-cpcd-profile>
</rpc>
```

**Description** Show profile database

**Contents** <profile-name>—

## <get-cpcd-rule>

---

**Usage**

```

<rpc>
  <get-cpcd-rule>
    <rule-name>rule-name</rule-name>
    <term>term</term>
  </get-cpcd-rule>
</rpc>

```

**Description** Show rule database

**Contents** <rule-name>—  
 <term>—Term name

## <get-cpcd-rule-set>

---

**Usage**

```

<rpc>
  <get-cpcd-rule-set>
    <ruleset-name>ruleset-name</ruleset-name>
  </get-cpcd-rule-set>
</rpc>

```

**Description** Show rule set database

**Contents** <ruleset-name>—

## <get-cpcd-service-set>

---

**Usage**

```

<rpc>
  <get-cpcd-service-set>
    <sset-name>sset-name</sset-name> <!-- mandatory -->
    <brief/>
    <detail/>
    <summary/>
  </get-cpcd-service-set>
</rpc>

```

**Description** Show service set database

**Contents** <sset-name>—  
 <brief>—Display brief output (default)

<detail>—Display detailed output

<summary>—Display summary output

---

## <get-craft-information>

### Usage

```
<rpc>  
  <get-craft-information/>  
</rpc>
```

**Description** Show craft interface status

---

## <get-database-replication-statistics-information>

### Usage

```
<rpc>  
  <get-database-replication-statistics-information/>  
</rpc>
```

**Description** Show database replication statistics

---

## <get-database-replication-summary-information>

### Usage

```
<rpc>  
  <get-database-replication-summary-information/>  
</rpc>
```

**Description** Show database replication summary

---

## <get-ddos-ancp-aggregate>

### Usage

```
<rpc>  
  <get-ddos-ancp-aggregate/>  
</rpc>
```

**Description** Show aggregate for all ANCP traffic information

---

## <get-ddos-ancp-information>

### Usage

```
<rpc>  
  <get-ddos-ancp-information>
```



```
</get-ddos-ancp-information>
</rpc>
```

**Description** Show ANCP traffic information

**Contents** <get-ddos-ancp-parameters>—Show ANCP protocol parameters  
<get-ddos-ancp-statistics>—Show ANCP statistics and states  
<get-ddos-ancp-violations>—Show ANCP traffic violations  
<get-ddos-ancp-aggregate>—Show aggregate for all ANCP traffic information

---

### <get-ddos-ancp-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-ancp-parameters>
    <brief/>
    <detail/>
  </get-ddos-ancp-parameters>
</rpc>
```

**Description** Show ANCP protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-ancp-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-ancp-statistics>
    <brief/>
    <detail/>
  </get-ddos-ancp-statistics>
</rpc>
```

**Description** Show ANCP statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

## <get-ddos-ancp-violations>

---

**Usage**

```
<rpc>
  <get-ddos-ancp-violations/>
</rpc>
```

**Description** Show ANCP traffic violations

## <get-ddos-ancpv6-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-ancpv6-aggregate/>
</rpc>
```

**Description** Show aggregate for all ANCPv6 traffic information

## <get-ddos-ancpv6-information>

---

**Usage**

```
<rpc>
  <get-ddos-ancpv6-information>
  </get-ddos-ancpv6-information>
</rpc>
```

**Description** Show ANCPv6 traffic information

**Contents**

- <get-ddos-ancpv6-parameters>—Show ANCPv6 protocol parameters
- <get-ddos-ancpv6-statistics>—Show ANCPv6 statistics and states
- <get-ddos-ancpv6-violations>—Show ANCPv6 traffic violations
- <get-ddos-ancpv6-aggregate>—Show aggregate for all ANCPv6 traffic information

## <get-ddos-ancpv6-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-ancpv6-parameters>
  <brief/>
  <detail/>
</get-ddos-ancpv6-parameters>
</rpc>
```

**Description** Show ANCPv6 protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-ancpv6-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-ancpv6-statistics>
    <brief/>
    <detail/>
  </get-ddos-ancpv6-statistics>
</rpc>
```

**Description** Show ANCPv6 statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-ancpv6-violations>

---

**Usage**

```
<rpc>
  <get-ddos-ancpv6-violations/>
</rpc>
```

**Description** Show ANCPv6 traffic violations

---

### <get-ddos-arp-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-arp-aggregate/>
</rpc>
```

**Description** Show aggregate for all ARP traffic information

---

### <get-ddos-arp-information>

---

**Usage**

```
<rpc>
  <get-ddos-arp-information>
  </get-ddos-arp-information>
```

</rpc>

**Description** Show ARP traffic information

**Contents** <get-ddos-arp-parameters>—Show ARP protocol parameters  
<get-ddos-arp-statistics>—Show ARP statistics and states  
<get-ddos-arp-violations>—Show ARP traffic violations  
<get-ddos-arp-aggregate>—Show aggregate for all ARP traffic information

---

### <get-ddos-arp-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-arp-parameters>
    <brief/>
    <detail/>
  </get-ddos-arp-parameters>
</rpc>
```

**Description** Show ARP protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-arp-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-arp-statistics>
    <brief/>
    <detail/>
  </get-ddos-arp-statistics>
</rpc>
```

**Description** Show ARP statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

### <get-ddos-arp-violations>

---

**Usage**

```
<rpc>
  <get-ddos-arp-violations/>
</rpc>
```

**Description** Show ARP traffic violations

### <get-ddos-atm-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-atm-aggregate/>
</rpc>
```

**Description** Show aggregate for all ATM traffic information

### <get-ddos-atm-information>

---

**Usage**

```
<rpc>
  <get-ddos-atm-information>
  </get-ddos-atm-information>
</rpc>
```

**Description** Show ATM traffic information

**Contents** <get-ddos-atm-parameters>—Show ATM protocol parameters

<get-ddos-atm-statistics>—Show ATM statistics and states

<get-ddos-atm-violations>—Show ATM traffic violations

<get-ddos-atm-aggregate>—Show aggregate for all ATM traffic information

### <get-ddos-atm-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-atm-parameters>
  <brief/>
  <detail/>
  </get-ddos-atm-parameters>
</rpc>
```

**Description** Show ATM protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-atm-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-atm-statistics>
    <brief/>
    <detail/>
  </get-ddos-atm-statistics>
</rpc>
```

**Description** Show ATM statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-atm-violations>

---

**Usage**

```
<rpc>
  <get-ddos-atm-violations/>
</rpc>
```

**Description** Show ATM traffic violations

---

### <get-ddos-bfd-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-bfd-aggregate/>
</rpc>
```

**Description** Show aggregate for all BFD traffic information

---

### <get-ddos-bfd-information>

---

**Usage**

```
<rpc>
  <get-ddos-bfd-information>
  </get-ddos-bfd-information>
```

`</rpc>`

**Description** Show BFD traffic information

**Contents** `<get-ddos-bfd-parameters>`—Show BFD protocol parameters  
`<get-ddos-bfd-statistics>`—Show BFD statistics and states  
`<get-ddos-bfd-violations>`—Show BFD traffic violations  
`<get-ddos-bfd-aggregate>`—Show aggregate for all BFD traffic information

---

### `<get-ddos-bfd-parameters>`

---

**Usage**

```
<rpc>
  <get-ddos-bfd-parameters>
    <brief/>
    <detail/>
  </get-ddos-bfd-parameters>
</rpc>
```

**Description** Show BFD protocol parameters

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

---

### `<get-ddos-bfd-statistics>`

---

**Usage**

```
<rpc>
  <get-ddos-bfd-statistics>
    <brief/>
    <detail/>
  </get-ddos-bfd-statistics>
</rpc>
```

**Description** Show BFD statistics and states

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

## <get-ddos-bfd-violations>

---

**Usage**

```
<rpc>
  <get-ddos-bfd-violations/>
</rpc>
```

**Description** Show BFD traffic violations

## <get-ddos-bfdv6-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-bfdv6-aggregate/>
</rpc>
```

**Description** Show aggregate for all BFDv6 traffic information

## <get-ddos-bfdv6-information>

---

**Usage**

```
<rpc>
  <get-ddos-bfdv6-information>
  </get-ddos-bfdv6-information>
</rpc>
```

**Description** Show BFDv6 traffic information

**Contents**

- <get-ddos-bfdv6-parameters>—Show BFDv6 protocol parameters
- <get-ddos-bfdv6-statistics>—Show BFDv6 statistics and states
- <get-ddos-bfdv6-violations>—Show BFDv6 traffic violations
- <get-ddos-bfdv6-aggregate>—Show aggregate for all BFDv6 traffic information

## <get-ddos-bfdv6-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-bfdv6-parameters>
  <brief/>
  <detail/>
  </get-ddos-bfdv6-parameters>
</rpc>
```



**Description** Show BFDv6 protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-bfdv6-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-bfdv6-statistics>
    <brief/>
    <detail/>
  </get-ddos-bfdv6-statistics>
</rpc>
```

**Description** Show BFDv6 statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-bfdv6-violations>

---

**Usage**

```
<rpc>
  <get-ddos-bfdv6-violations/>
</rpc>
```

**Description** Show BFDv6 traffic violations

---

### <get-ddos-bgp-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-bgp-aggregate/>
</rpc>
```

**Description** Show aggregate for all BGP traffic information

---

### <get-ddos-bgp-information>

---

**Usage**

```
<rpc>
  <get-ddos-bgp-information>
  </get-ddos-bgp-information>
```

```
</rpc>
```

**Description** Show BGP traffic information

**Contents** `<get-ddos-bgp-parameters>`—Show BGP protocol parameters  
`<get-ddos-bgp-statistics>`—Show BGP statistics and states  
`<get-ddos-bgp-violations>`—Show BGP traffic violations  
`<get-ddos-bgp-aggregate>`—Show aggregate for all BGP traffic information

---

### `<get-ddos-bgp-parameters>`

---

**Usage**

```
<rpc>  
  <get-ddos-bgp-parameters>  
    <brief/>  
    <detail/>  
  </get-ddos-bgp-parameters>  
</rpc>
```

**Description** Show BGP protocol parameters

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

---

### `<get-ddos-bgp-statistics>`

---

**Usage**

```
<rpc>  
  <get-ddos-bgp-statistics>  
    <brief/>  
    <detail/>  
  </get-ddos-bgp-statistics>  
</rpc>
```

**Description** Show BGP statistics and states

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

### <get-ddos-bgp-violations>

---

**Usage**

```
<rpc>
  <get-ddos-bgp-violations/>
</rpc>
```

**Description** Show BGP traffic violations

### <get-ddos-bgpv6-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-bgpv6-aggregate/>
</rpc>
```

**Description** Show aggregate for all BGPv6 traffic information

### <get-ddos-bgpv6-information>

---

**Usage**

```
<rpc>
  <get-ddos-bgpv6-information>
  </get-ddos-bgpv6-information>
</rpc>
```

**Description** Show BGPv6 traffic information

**Contents**

- <get-ddos-bgpv6-parameters>—Show BGPv6 protocol parameters
- <get-ddos-bgpv6-statistics>—Show BGPv6 statistics and states
- <get-ddos-bgpv6-violations>—Show BGPv6 traffic violations
- <get-ddos-bgpv6-aggregate>—Show aggregate for all BGPv6 traffic information

### <get-ddos-bgpv6-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-bgpv6-parameters>
  <brief/>
  <detail/>
  </get-ddos-bgpv6-parameters>
</rpc>
```

**Description** Show BGPv6 protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-bgpv6-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-bgpv6-statistics>
    <brief/>
    <detail/>
  </get-ddos-bgpv6-statistics>
</rpc>
```

**Description** Show BGPv6 statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-bgpv6-violations>

---

**Usage**

```
<rpc>
  <get-ddos-bgpv6-violations/>
</rpc>
```

**Description** Show BGPv6 traffic violations

---

### <get-ddos-demuxauto-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-demuxauto-aggregate/>
</rpc>
```

**Description** Show aggregate for all demux autosense traffic information

---

### <get-ddos-demuxauto-information>

---

**Usage**

```
<rpc>
  <get-ddos-demuxauto-information>
  </get-ddos-demuxauto-information>
```

</rpc>

**Description** Show demux autosense traffic information

**Contents** <get-ddos-demuxauto-parameters>—Show Demux-Autosense protocol parameters  
<get-ddos-demuxauto-statistics>—Show Demux-Autosense statistics and states  
<get-ddos-demuxauto-violations>—Show Demux-Autosense traffic violations  
<get-ddos-demuxauto-aggregate>—Show aggregate for all demux autosense traffic information

---

### <get-ddos-demuxauto-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-demuxauto-parameters>
    <brief/>
    <detail/>
  </get-ddos-demuxauto-parameters>
</rpc>
```

**Description** Show Demux-Autosense protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-demuxauto-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-demuxauto-statistics>
    <brief/>
    <detail/>
  </get-ddos-demuxauto-statistics>
</rpc>
```

**Description** Show Demux-Autosense statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

## <get-ddos-demuxauto-violations>

---

**Usage**

```
<rpc>
  <get-ddos-demuxauto-violations/>
</rpc>
```

**Description** Show Demux-Autosense traffic violations

## <get-ddos-dhcpv4-ack>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv4-ack/>
</rpc>
```

**Description** Show DHCPv4 DHCPACK information

## <get-ddos-dhcpv4-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv4-aggregate/>
</rpc>
```

**Description** Show aggregate for all DHCPv4 traffic information

## <get-ddos-dhcpv4-bad-pack>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv4-bad-pack/>
</rpc>
```

**Description** Show DHCPv4 traffic with bad format information

## <get-ddos-dhcpv4-bootp>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv4-bootp/>
</rpc>
```

**Description** Show DHCPv4 DHCPBOOTP information

### <get-ddos-dhcpv4-decline>

---

**Usage**

```
<rpc>  
  <get-ddos-dhcpv4-decline/>  
</rpc>
```

**Description** Show DHCPv4 DHCPDECLINE information

### <get-ddos-dhcpv4-discover>

---

**Usage**

```
<rpc>  
  <get-ddos-dhcpv4-discover/>  
</rpc>
```

**Description** Show DHCPv4 DHCPDISCOVER information

### <get-ddos-dhcpv4-forcerenew>

---

**Usage**

```
<rpc>  
  <get-ddos-dhcpv4-forcerenew/>  
</rpc>
```

**Description** Show DHCPv4 DHCPFORCERENEW information

### <get-ddos-dhcpv4-inform>

---

**Usage**

```
<rpc>  
  <get-ddos-dhcpv4-inform/>  
</rpc>
```

**Description** Show DHCPv4 DHCPINFORM information

### <get-ddos-dhcpv4-information>

---

**Usage**

```
<rpc>  
  <get-ddos-dhcpv4-information>  
  </get-ddos-dhcpv4-information>  
</rpc>
```

**Description** Show DHCPv4 traffic information

**Contents**

- <get-ddos-dhcpv4-parameters>—Show DHCPv4 protocol parameters
- <get-ddos-dhcpv4-statistics>—Show DHCPv4 statistics and states
- <get-ddos-dhcpv4-violations>—Show DHCPv4 traffic violations
- <get-ddos-dhcpv4-aggregate>—Show aggregate for all DHCPv4 traffic information
- <get-ddos-dhcpv4-unclass>—Show unclassified DHCPv4 traffic information
- <get-ddos-dhcpv4-discover>—Show DHCPv4 DHCPDISCOVER information
- <get-ddos-dhcpv4-offer>—Show DHCPv4 DHCPOFFER information
- <get-ddos-dhcpv4-request>—Show DHCPv4 DHCPREQUEST information
- <get-ddos-dhcpv4-decline>—Show DHCPv4 DHCPDECLINE information
- <get-ddos-dhcpv4-ack>—Show DHCPv4 DHCPACK information
- <get-ddos-dhcpv4-nak>—Show DHCPv4 DHCPNAK information
- <get-ddos-dhcpv4-release>—Show DHCPv4 DHCPRELEASE information
- <get-ddos-dhcpv4-inform>—Show DHCPv4 DHCPINFORM information
- <get-ddos-dhcpv4-renew>—Show DHCPv4 DHCPRENEW information
- <get-ddos-dhcpv4-forcerenew>—Show DHCPv4 DHCPFORCERENEW information
- <get-ddos-dhcpv4-leasequery>—Show DHCPv4 DHCPLEASEQUERY information
- <get-ddos-dhcpv4-leaseuna>—Show DHCPv4 DHCPLEASEUNASSIGNED information
- <get-ddos-dhcpv4-leaseunk>—Show DHCPv4 DHCPLEASEUNKNOWN information
- <get-ddos-dhcpv4-leaseact>—Show DHCPv4 DHCPLEASEACTIVE information
- <get-ddos-dhcpv4-bootp>—Show DHCPv4 DHCPBOOTP information
- <get-ddos-dhcpv4-no-msgtype>—Show DHCPv4 traffic with missing message type information
- <get-ddos-dhcpv4-bad-pack>—Show DHCPv4 traffic with bad format information

---

## <get-ddos-dhcpv4-leaseact>

### Usage

```
<rpc>  
  <get-ddos-dhcpv4-leaseact/>  
</rpc>
```



**Description** Show DHCPv4 DHCPLEASEACTIVE information

---

### <get-ddos-dhcpv4-leasequery>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv4-leasequery/>
</rpc>
```

**Description** Show DHCPv4 DHCPLEASEQUERY information

---

### <get-ddos-dhcpv4-leaseuna>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv4-leaseuna/>
</rpc>
```

**Description** Show DHCPv4 DHCPLEASEUNASSIGNED information

---

### <get-ddos-dhcpv4-leaseunk>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv4-leaseunk/>
</rpc>
```

**Description** Show DHCPv4 DHCPLEASEUNKOWN information

---

### <get-ddos-dhcpv4-nak>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv4-nak/>
</rpc>
```

**Description** Show DHCPv4 DHCPNAK information

---

### <get-ddos-dhcpv4-no-msgtype>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv4-no-msgtype/>
</rpc>
```

**Description** Show DHCPv4 traffic with missing message type information

### **<get-ddos-dhcpv4-offer>**

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv4-offer/>
</rpc>
```

**Description** Show DHCPv4 DHCP OFFER information

### **<get-ddos-dhcpv4-parameters>**

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv4-parameters>
    <brief/>
    <detail/>
  </get-ddos-dhcpv4-parameters>
</rpc>
```

**Description** Show DHCPv4 protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

### **<get-ddos-dhcpv4-release>**

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv4-release/>
</rpc>
```

**Description** Show DHCPv4 DHCP RELEASE information

### **<get-ddos-dhcpv4-renew>**

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv4-renew/>
</rpc>
```

**Description** Show DHCPv4 DHCP RENEW information

## <get-ddos-dhcpv4-request>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv4-request/>
</rpc>
```

**Description** Show DHCPv4 DHCPREQUEST information

## <get-ddos-dhcpv4-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv4-statistics>
    <brief/>
    <detail/>
  </get-ddos-dhcpv4-statistics>
</rpc>
```

**Description** Show DHCPv4 statistics and states

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-dhcpv4-unclass>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv4-unclass/>
</rpc>
```

**Description** Show unclassified DHCPv4 traffic information

## <get-ddos-dhcpv4-violations>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv4-violations/>
</rpc>
```

**Description** Show DHCPv4 traffic violations

## <get-ddos-dhcpv6-advertise>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv6-advertise/>
</rpc>
```

**Description** Show DHCPv6 ADVERTISE information

## <get-ddos-dhcpv6-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv6-aggregate/>
</rpc>
```

**Description** Show aggregate for all DHCPv6 traffic information

## <get-ddos-dhcpv6-confirm>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv6-confirm/>
</rpc>
```

**Description** Show DHCPv6 CONFIRM information

## <get-ddos-dhcpv6-decline>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv6-decline/>
</rpc>
```

**Description** Show DHCPv6 DECLINE information

## <get-ddos-dhcpv6-info-req>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv6-info-req/>
</rpc>
```

**Description** Show DHCPv6 INFORMATION-REQUEST information

## <get-ddos-dhcpv6-information>

---

### Usage

```
<rpc>
  <get-ddos-dhcpv6-information>
</get-ddos-dhcpv6-information>
</rpc>
```

**Description** Show DHCPv6 traffic information

**Contents**

- <get-ddos-dhcpv6-parameters>—Show DHCPv6 protocol parameters
- <get-ddos-dhcpv6-statistics>—Show DHCPv6 statistics and states
- <get-ddos-dhcpv6-violations>—Show DHCPv6 traffic violations
- <get-ddos-dhcpv6-aggregate>—Show aggregate for all DHCPv6 traffic information
- <get-ddos-dhcpv6-unclass>—Show unclassified DHCPv6 traffic information
- <get-ddos-dhcpv6-solicit>—Show DHCPv6 SOLICIT information
- <get-ddos-dhcpv6-advertise>—Show DHCPv6 ADVERTISE information
- <get-ddos-dhcpv6-request>—Show DHCPv6 REQUEST information
- <get-ddos-dhcpv6-confirm>—Show DHCPv6 CONFIRM information
- <get-ddos-dhcpv6-renew>—Show DHCPv6 RENEW information
- <get-ddos-dhcpv6-rebind>—Show DHCPv6 REBIND information
- <get-ddos-dhcpv6-reply>—Show DHCPv6 REPLY information
- <get-ddos-dhcpv6-release>—Show DHCPv6 RELEASE information
- <get-ddos-dhcpv6-decline>—Show DHCPv6 DECLINE information
- <get-ddos-dhcpv6-reconfig>—Show DHCPv6 RECONFIGURE information
- <get-ddos-dhcpv6-info-req>—Show DHCPv6 INFORMATION-REQUEST information
- <get-ddos-dhcpv6-relay-for>—Show DHCPv6 RELAY-FORW information
- <get-ddos-dhcpv6-relay-rep>—Show DHCPv6 RELAY-REPL information
- <get-ddos-dhcpv6-leasequery>—Show DHCPv6 LEASEQUERY information
- <get-ddos-dhcpv6-leaseq-re>—Show DHCPv6 LEASEQUERY-REPLY information
- <get-ddos-dhcpv6-leaseq-do>—Show DHCPv6 LEASEQUERY-DONE information
- <get-ddos-dhcpv6-leaseq-da>—Show DHCPv6 LEASEQUERY-DATA information

### <get-ddos-dhcpv6-leaseq-da>

---

**Usage**

```
<rpc>  
  <get-ddos-dhcpv6-leaseq-da/>  
</rpc>
```

**Description** Show DHCPv6 LEASEQUERY-DATA information

### <get-ddos-dhcpv6-leaseq-do>

---

**Usage**

```
<rpc>  
  <get-ddos-dhcpv6-leaseq-do/>  
</rpc>
```

**Description** Show DHCPv6 LEASEQUERY-DONE information

### <get-ddos-dhcpv6-leaseq-re>

---

**Usage**

```
<rpc>  
  <get-ddos-dhcpv6-leaseq-re/>  
</rpc>
```

**Description** Show DHCPv6 LEASEQUERY-REPLY information

### <get-ddos-dhcpv6-leasequery>

---

**Usage**

```
<rpc>  
  <get-ddos-dhcpv6-leasequery/>  
</rpc>
```

**Description** Show DHCPv6 LEASEQUERY information

### <get-ddos-dhcpv6-parameters>

---

**Usage**

```
<rpc>  
  <get-ddos-dhcpv6-parameters>  
    <brief/>  
    <detail/>  
  </get-ddos-dhcpv6-parameters>
```

</rpc>

**Description** Show DHCPv6 protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-dhcpv6-rebind>

---

**Usage**

```
<rpc>  
<get-ddos-dhcpv6-rebind/>  
</rpc>
```

**Description** Show DHCPv6 REBIND information

---

### <get-ddos-dhcpv6-reconfig>

---

**Usage**

```
<rpc>  
<get-ddos-dhcpv6-reconfig/>  
</rpc>
```

**Description** Show DHCPv6 RECONFIGURE information

---

### <get-ddos-dhcpv6-relay-for>

---

**Usage**

```
<rpc>  
<get-ddos-dhcpv6-relay-for/>  
</rpc>
```

**Description** Show DHCPv6 RELAY-FORW information

---

### <get-ddos-dhcpv6-relay-rep>

---

**Usage**

```
<rpc>  
<get-ddos-dhcpv6-relay-rep/>  
</rpc>
```

**Description** Show DHCPv6 RELAY-REPL information

## <get-ddos-dhcpv6-release>

---

**Usage**

```
<rpc>  
  <get-ddos-dhcpv6-release/>  
</rpc>
```

**Description** Show DHCPv6 RELEASE information

## <get-ddos-dhcpv6-renew>

---

**Usage**

```
<rpc>  
  <get-ddos-dhcpv6-renew/>  
</rpc>
```

**Description** Show DHCPv6 RENEW information

## <get-ddos-dhcpv6-reply>

---

**Usage**

```
<rpc>  
  <get-ddos-dhcpv6-reply/>  
</rpc>
```

**Description** Show DHCPv6 REPLY information

## <get-ddos-dhcpv6-request>

---

**Usage**

```
<rpc>  
  <get-ddos-dhcpv6-request/>  
</rpc>
```

**Description** Show DHCPv6 REQUEST information

## <get-ddos-dhcpv6-solicit>

---

**Usage**

```
<rpc>  
  <get-ddos-dhcpv6-solicit/>  
</rpc>
```

**Description** Show DHCPv6 SOLICIT information



## <get-ddos-dhcpv6-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv6-statistics>
  <brief/>
  <detail/>
</get-ddos-dhcpv6-statistics>
</rpc>
```

**Description** Show DHCPv6 statistics and states

**Contents** <brief>—Show brief output  
            <detail>—Show detailed output

## <get-ddos-dhcpv6-unclass>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv6-unclass/>
</rpc>
```

**Description** Show unclassified DHCPv6 traffic information

## <get-ddos-dhcpv6-violations>

---

**Usage**

```
<rpc>
  <get-ddos-dhcpv6-violations/>
</rpc>
```

**Description** Show DHCPv6 traffic violations

## <get-ddos-diameter-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-diameter-aggregate/>
</rpc>
```

**Description** Show aggregate for all Diameter/Gx+ traffic information

## <get-ddos-diameter-information>

---

**Usage**

```
<rpc>
  <get-ddos-diameter-information>
</get-ddos-diameter-information>
</rpc>
```

**Description** Show Diameter/Gx+ traffic information

**Contents** <get-ddos-diameter-parameters>—Show Diameter protocol parameters

<get-ddos-diameter-statistics>—Show Diameter statistics and states

<get-ddos-diameter-violations>—Show Diameter traffic violations

<get-ddos-diameter-aggregate>—Show aggregate for all Diameter/Gx+ traffic information

## <get-ddos-diameter-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-diameter-parameters>
    <brief/>
    <detail/>
  </get-ddos-diameter-parameters>
</rpc>
```

**Description** Show Diameter protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-diameter-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-diameter-statistics>
    <brief/>
    <detail/>
  </get-ddos-diameter-statistics>
</rpc>
```

**Description** Show Diameter statistics and states

**Contents** <brief>—Show brief output

<detail>—Show detailed output

---

### <get-ddos-diameter-violations>

---

**Usage**

```
<rpc>
  <get-ddos-diameter-violations/>
</rpc>
```

**Description** Show Diameter traffic violations

---

### <get-ddos-dns-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-dns-aggregate/>
</rpc>
```

**Description** Show aggregate for all DNS traffic information

---

### <get-ddos-dns-information>

---

**Usage**

```
<rpc>
  <get-ddos-dns-information>
  </get-ddos-dns-information>
</rpc>
```

**Description** Show DNS traffic information

**Contents**

- <get-ddos-dns-parameters>—Show DNS protocol parameters
- <get-ddos-dns-statistics>—Show DNS statistics and states
- <get-ddos-dns-violations>—Show DNS traffic violations
- <get-ddos-dns-aggregate>—Show aggregate for all DNS traffic information

---

### <get-ddos-dns-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-dns-parameters>
  <brief/>
  <detail/>
</get-ddos-dns-parameters>
```

```
</rpc>
```

**Description** Show DNS protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-dns-statistics>

---

**Usage**

```
<rpc>  
  <get-ddos-dns-statistics>  
    <brief/>  
    <detail/>  
  </get-ddos-dns-statistics>  
</rpc>
```

**Description** Show DNS statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-dns-violations>

---

**Usage**

```
<rpc>  
  <get-ddos-dns-violations/>  
</rpc>
```

**Description** Show DNS traffic violations

---

### <get-ddos-dtcp-aggregate>

---

**Usage**

```
<rpc>  
  <get-ddos-dtcp-aggregate/>  
</rpc>
```

**Description** Show aggregate for all dtcp traffic information

## <get-ddos-dtcp-information>

---

**Usage**

```
<rpc>
  <get-ddos-dtcp-information>
</get-ddos-dtcp-information>
</rpc>
```

**Description** Show dtcp traffic information

**Contents** <get-ddos-dtcp-parameters>—Show dtcp protocol parameters

<get-ddos-dtcp-statistics>—Show dtcp statistics and states

<get-ddos-dtcp-violations>—Show dtcp traffic violations

<get-ddos-dtcp-aggregate>—Show aggregate for all dtcp traffic information

## <get-ddos-dtcp-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-dtcp-parameters>
    <brief/>
    <detail/>
  </get-ddos-dtcp-parameters>
</rpc>
```

**Description** Show dtcp protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-dtcp-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-dtcp-statistics>
    <brief/>
    <detail/>
  </get-ddos-dtcp-statistics>
</rpc>
```

**Description** Show dtcp statistics and states

**Contents** <brief>—Show brief output

<detail>—Show detailed output

---

## <get-ddos-dtcp-violations>

---

### Usage

```
<rpc>
  <get-ddos-dtcp-violations/>
</rpc>
```

**Description** Show dtcp traffic violations

---

## <get-ddos-dynvlan-aggregate>

---

### Usage

```
<rpc>
  <get-ddos-dynvlan-aggregate/>
</rpc>
```

**Description** Show aggregate for all dynamic vlan exceptions information

---

## <get-ddos-dynvlan-information>

---

### Usage

```
<rpc>
  <get-ddos-dynvlan-information>
  </get-ddos-dynvlan-information>
</rpc>
```

**Description** Show dynamic vlan exceptions information

**Contents**

- <get-ddos-dynvlan-parameters>—Show Dynamic-Vlan protocol parameters
- <get-ddos-dynvlan-statistics>—Show Dynamic-Vlan statistics and states
- <get-ddos-dynvlan-violations>—Show Dynamic-Vlan traffic violations
- <get-ddos-dynvlan-aggregate>—Show aggregate for all dynamic vlan exceptions information

---

## <get-ddos-dynvlan-parameters>

---

### Usage

```
<rpc>
  <get-ddos-dynvlan-parameters>
  <brief/>
  <detail/>
</get-ddos-dynvlan-parameters>
```

`</rpc>`

**Description** Show Dynamic-Vlan protocol parameters

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

---

### `<get-ddos-dynvlan-statistics>`

---

**Usage**

```
<rpc>
  <get-ddos-dynvlan-statistics>
    <brief/>
    <detail/>
  </get-ddos-dynvlan-statistics>
</rpc>
```

**Description** Show Dynamic-Vlan statistics and states

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

---

### `<get-ddos-dynvlan-violations>`

---

**Usage**

```
<rpc>
  <get-ddos-dynvlan-violations/>
</rpc>
```

**Description** Show Dynamic-Vlan traffic violations

---

### `<get-ddos-egpv6-aggregate>`

---

**Usage**

```
<rpc>
  <get-ddos-egpv6-aggregate/>
</rpc>
```

**Description** Show aggregate for all EGPv6 traffic information

## <get-ddos-egpv6-information>

---

**Usage**

```
<rpc>
  <get-ddos-egpv6-information>
</get-ddos-egpv6-information>
</rpc>
```

**Description** Show EGPv6 traffic information

**Contents** <get-ddos-egpv6-parameters>—Show EGPv6 protocol parameters

<get-ddos-egpv6-statistics>—Show EGPv6 statistics and states

<get-ddos-egpv6-violations>—Show EGPv6 traffic violations

<get-ddos-egpv6-aggregate>—Show aggregate for all EGPv6 traffic information

## <get-ddos-egpv6-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-egpv6-parameters>
    <brief/>
    <detail/>
  </get-ddos-egpv6-parameters>
</rpc>
```

**Description** Show EGPv6 protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-egpv6-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-egpv6-statistics>
    <brief/>
    <detail/>
  </get-ddos-egpv6-statistics>
</rpc>
```

**Description** Show EGPv6 statistics and states

**Contents** <brief>—Show brief output



<detail>—Show detailed output

---

### <get-ddos-egpv6-violations>

---

**Usage**

```
<rpc>
  <get-ddos-egpv6-violations/>
</rpc>
```

**Description** Show EGPv6 traffic violations

---

### <get-ddos-eoam-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-eoam-aggregate/>
</rpc>
```

**Description** Show aggregate for all EOAM traffic information

---

### <get-ddos-eoam-information>

---

**Usage**

```
<rpc>
  <get-ddos-eoam-information>
  </get-ddos-eoam-information>
</rpc>
```

**Description** Show EOAM traffic information

**Contents**

- <get-ddos-eoam-parameters>—Show EOAM protocol parameters
- <get-ddos-eoam-statistics>—Show EOAM statistics and states
- <get-ddos-eoam-violations>—Show EOAM traffic violations
- <get-ddos-eoam-aggregate>—Show aggregate for all EOAM traffic information

---

### <get-ddos-eoam-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-eoam-parameters>
  <brief/>
  <detail/>
</get-ddos-eoam-parameters>
```

```
</rpc>
```

**Description** Show EOAM protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-eoam-statistics>

---

**Usage**

```
<rpc>  
  <get-ddos-eoam-statistics>  
    <brief/>  
    <detail/>  
  </get-ddos-eoam-statistics>  
</rpc>
```

**Description** Show EOAM statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-eoam-violations>

---

**Usage**

```
<rpc>  
  <get-ddos-eoam-violations/>  
</rpc>
```

**Description** Show EOAM traffic violations

---

### <get-ddos-esmc-aggregate>

---

**Usage**

```
<rpc>  
  <get-ddos-esmc-aggregate/>  
</rpc>
```

**Description** Show aggregate for all ESMC traffic information

## <get-ddos-esmc-information>

---

**Usage**

```
<rpc>  
  <get-ddos-esmc-information>  
  </get-ddos-esmc-information>  
</rpc>
```

**Description** Show ESMC traffic information

**Contents** <get-ddos-esmc-parameters>—Show ESMC protocol parameters  
<get-ddos-esmc-statistics>—Show ESMC statistics and states  
<get-ddos-esmc-violations>—Show ESMC traffic violations  
<get-ddos-esmc-aggregate>—Show aggregate for all ESMC traffic information

## <get-ddos-esmc-parameters>

---

**Usage**

```
<rpc>  
  <get-ddos-esmc-parameters>  
  <brief/>  
  <detail/>  
  </get-ddos-esmc-parameters>  
</rpc>
```

**Description** Show ESMC protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

## <get-ddos-esmc-statistics>

---

**Usage**

```
<rpc>  
  <get-ddos-esmc-statistics>  
  <brief/>  
  <detail/>  
  </get-ddos-esmc-statistics>  
</rpc>
```

**Description** Show ESMC statistics and states

**Contents** <brief>—Show brief output

<detail>—Show detailed output

---

## <get-ddos-esmc-violations>

---

### Usage

```
<rpc>
  <get-ddos-esmc-violations/>
</rpc>
```

**Description** Show ESMC traffic violations

---

## <get-ddos-ftp-aggregate>

---

### Usage

```
<rpc>
  <get-ddos-ftp-aggregate/>
</rpc>
```

**Description** Show aggregate for all FTP traffic information

---

## <get-ddos-ftp-information>

---

### Usage

```
<rpc>
  <get-ddos-ftp-information>
  </get-ddos-ftp-information>
</rpc>
```

**Description** Show FTP traffic information

**Contents**

- <get-ddos-ftp-parameters>—Show FTP protocol parameters
- <get-ddos-ftp-statistics>—Show FTP statistics and states
- <get-ddos-ftp-violations>—Show FTP traffic violations
- <get-ddos-ftp-aggregate>—Show aggregate for all FTP traffic information

---

## <get-ddos-ftp-parameters>

---

### Usage

```
<rpc>
  <get-ddos-ftp-parameters>
  <brief/>
  <detail/>
</get-ddos-ftp-parameters>
```

`</rpc>`

**Description** Show FTP protocol parameters

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

---

### `<get-ddos-ftp-statistics>`

---

**Usage**

```
<rpc>
  <get-ddos-ftp-statistics>
    <brief/>
    <detail/>
  </get-ddos-ftp-statistics>
</rpc>
```

**Description** Show FTP statistics and states

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

---

### `<get-ddos-ftp-violations>`

---

**Usage**

```
<rpc>
  <get-ddos-ftp-violations/>
</rpc>
```

**Description** Show FTP traffic violations

---

### `<get-ddos-ftp6-aggregate>`

---

**Usage**

```
<rpc>
  <get-ddos-ftp6-aggregate/>
</rpc>
```

**Description** Show aggregate for all FTPv6 traffic information

## <get-ddos-ftp6-information>

---

**Usage**

```
<rpc>
  <get-ddos-ftp6-information>
</get-ddos-ftp6-information>
</rpc>
```

**Description** Show FTPv6 traffic information

**Contents** <get-ddos-ftp6-parameters>—Show FTPv6 protocol parameters

<get-ddos-ftp6-statistics>—Show FTPv6 statistics and states

<get-ddos-ftp6-violations>—Show FTPv6 traffic violations

<get-ddos-ftp6-aggregate>—Show aggregate for all FTPv6 traffic information

## <get-ddos-ftp6-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-ftp6-parameters>
    <brief/>
    <detail/>
  </get-ddos-ftp6-parameters>
</rpc>
```

**Description** Show FTPv6 protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-ftp6-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-ftp6-statistics>
    <brief/>
    <detail/>
  </get-ddos-ftp6-statistics>
</rpc>
```

**Description** Show FTPv6 statistics and states

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-ftp6-violations>

---

### Usage

```
<rpc>
  <get-ddos-ftp6-violations/>
</rpc>
```

**Description** Show FTPv6 traffic violations

## <get-ddos-fw-host-aggregate>

---

### Usage

```
<rpc>
  <get-ddos-fw-host-aggregate/>
</rpc>
```

**Description** Show aggregate for all packets via firewall 'send-to-host' action information

## <get-ddos-fw-host-information>

---

### Usage

```
<rpc>
  <get-ddos-fw-host-information>
  </get-ddos-fw-host-information>
</rpc>
```

**Description** Show packets via firewall 'send-to-host' action information

**Contents**

- <get-ddos-fw-host-parameters>—Show Firewall-Host protocol parameters
- <get-ddos-fw-host-statistics>—Show Firewall-Host statistics and states
- <get-ddos-fw-host-violations>—Show Firewall-Host traffic violations
- <get-ddos-fw-host-aggregate>—Show aggregate for all packets via firewall 'send-to-host' action information

## <get-ddos-fw-host-parameters>

---

### Usage

```
<rpc>
  <get-ddos-fw-host-parameters>
  <brief/>
  <detail/>
</get-ddos-fw-host-parameters>
```

```
</rpc>
```

**Description** Show Firewall-Host protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-fw-host-statistics>

---

**Usage**

```
<rpc>  
  <get-ddos-fw-host-statistics>  
    <brief/>  
    <detail/>  
  </get-ddos-fw-host-statistics>  
</rpc>
```

**Description** Show Firewall-Host statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-fw-host-violations>

---

**Usage**

```
<rpc>  
  <get-ddos-fw-host-violations/>  
</rpc>
```

**Description** Show Firewall-Host traffic violations

---

### <get-ddos-fw-reject-aggregate>

---

**Usage**

```
<rpc>  
  <get-ddos-fw-reject-aggregate/>  
</rpc>
```

**Description** Show aggregate for all packets via firewall 'reject' action information



## <get-ddos-fw-reject-information>

---

**Usage**

```
<rpc>
  <get-ddos-fw-reject-information>
</get-ddos-fw-reject-information>
</rpc>
```

**Description** Show packets via firewall 'reject' action information

**Contents** <get-ddos-fw-reject-parameters>—Show Firewall-Reject protocol parameters

<get-ddos-fw-reject-statistics>—Show Firewall-Reject statistics and states

<get-ddos-fw-reject-violations>—Show Firewall-Reject traffic violations

<get-ddos-fw-reject-aggregate>—Show aggregate for all packets via firewall 'reject' action information

## <get-ddos-fw-reject-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-fw-reject-parameters>
    <brief/>
    <detail/>
  </get-ddos-fw-reject-parameters>
</rpc>
```

**Description** Show Firewall-Reject protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-fw-reject-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-fw-reject-statistics>
    <brief/>
    <detail/>
  </get-ddos-fw-reject-statistics>
</rpc>
```

**Description** Show Firewall-Reject statistics and states

**Contents**    <brief>—Show brief output  
                 <detail>—Show detailed output

---

## <get-ddos-fw-reject-violations>

---

**Usage**

```
<rpc>
  <get-ddos-fw-reject-violations/>
</rpc>
```

**Description**    Show Firewall-Reject traffic violations

---

## <get-ddos-gre-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-gre-aggregate/>
</rpc>
```

**Description**    Show aggregate for all GRE traffic information

---

## <get-ddos-gre-information>

---

**Usage**

```
<rpc>
  <get-ddos-gre-information>
  </get-ddos-gre-information>
</rpc>
```

**Description**    Show GRE traffic information

**Contents**    <get-ddos-gre-parameters>—Show GRE protocol parameters  
                 <get-ddos-gre-statistics>—Show GRE statistics and states  
                 <get-ddos-gre-violations>—Show GRE traffic violations  
                 <get-ddos-gre-aggregate>—Show aggregate for all GRE traffic information

---

## <get-ddos-gre-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-gre-parameters>
  <brief/>
  <detail/>
```

```
</get-ddos-gre-parameters>
</rpc>
```

**Description** Show GRE protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-gre-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-gre-statistics>
    <brief/>
    <detail/>
  </get-ddos-gre-statistics>
</rpc>
```

**Description** Show GRE statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-gre-violations>

---

**Usage**

```
<rpc>
  <get-ddos-gre-violations/>
</rpc>
```

**Description** Show GRE traffic violations

---

### <get-ddos-icmp-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-icmp-aggregate/>
</rpc>
```

**Description** Show aggregate for all ICMP traffic information

## <get-ddos-icmp-information>

---

**Usage**

```
<rpc>
  <get-ddos-icmp-information>
</get-ddos-icmp-information>
</rpc>
```

**Description** Show ICMP traffic information

**Contents** <get-ddos-icmp-parameters>—Show ICMP protocol parameters

<get-ddos-icmp-statistics>—Show ICMP statistics and states

<get-ddos-icmp-violations>—Show ICMP traffic violations

<get-ddos-icmp-aggregate>—Show aggregate for all ICMP traffic information

## <get-ddos-icmp-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-icmp-parameters>
    <brief/>
    <detail/>
  </get-ddos-icmp-parameters>
</rpc>
```

**Description** Show ICMP protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-icmp-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-icmp-statistics>
    <brief/>
    <detail/>
  </get-ddos-icmp-statistics>
</rpc>
```

**Description** Show ICMP statistics and states

**Contents** <brief>—Show brief output

<detail>—Show detailed output

---

### <get-ddos-icmp-violations>

---

**Usage**

```
<rpc>
  <get-ddos-icmp-violations/>
</rpc>
```

**Description** Show ICMP traffic violations

---

### <get-ddos-igmp-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-igmp-aggregate/>
</rpc>
```

**Description** Show aggregate for all IGMP traffic information

---

### <get-ddos-igmp-information>

---

**Usage**

```
<rpc>
  <get-ddos-igmp-information>
  </get-ddos-igmp-information>
</rpc>
```

**Description** Show IGMP traffic information

**Contents** <get-ddos-igmp-parameters>—Show IGMP protocol parameters

<get-ddos-igmp-statistics>—Show IGMP statistics and states

<get-ddos-igmp-violations>—Show IGMP traffic violations

<get-ddos-igmp-aggregate>—Show aggregate for all IGMP traffic information

---

### <get-ddos-igmp-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-igmp-parameters>
  <brief/>
  <detail/>
</get-ddos-igmp-parameters>
```

```
</rpc>
```

**Description** Show IGMP protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-igmp-snoop-aggregate>

---

**Usage**

```
<rpc>  
  <get-ddos-igmp-snoop-aggregate/>  
</rpc>
```

**Description** Show aggregate for all snooped igmp traffic information

---

### <get-ddos-igmp-snoop-information>

---

**Usage**

```
<rpc>  
  <get-ddos-igmp-snoop-information>  
  </get-ddos-igmp-snoop-information>  
</rpc>
```

**Description** Show snooped igmp traffic information

**Contents** <get-ddos-igmp-snoop-parameters>—Show IGMP-Snoop protocol parameters  
<get-ddos-igmp-snoop-statistics>—Show IGMP-Snoop statistics and states  
<get-ddos-igmp-snoop-violations>—Show IGMP-Snoop traffic violations  
<get-ddos-igmp-snoop-aggregate>—Show aggregate for all snooped igmp traffic information

---

### <get-ddos-igmp-snoop-parameters>

---

**Usage**

```
<rpc>  
  <get-ddos-igmp-snoop-parameters>  
  <brief/>  
  <detail/>  
  </get-ddos-igmp-snoop-parameters>  
</rpc>
```

**Description** Show IGMP-Snoop protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-igmp-snoop-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-igmp-snoop-statistics>
    <brief/>
    <detail/>
  </get-ddos-igmp-snoop-statistics>
</rpc>
```

**Description** Show IGMP-Snoop statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-igmp-snoop-violations>

---

**Usage**

```
<rpc>
  <get-ddos-igmp-snoop-violations/>
</rpc>
```

**Description** Show IGMP-Snoop traffic violations

---

### <get-ddos-igmp-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-igmp-statistics>
    <brief/>
    <detail/>
  </get-ddos-igmp-statistics>
</rpc>
```

**Description** Show IGMP statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

## <get-ddos-igmp-violations>

---

**Usage**

```
<rpc>
  <get-ddos-igmp-violations/>
</rpc>
```

**Description** Show IGMP traffic violations

## <get-ddos-igmpv4v6-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-igmpv4v6-aggregate/>
</rpc>
```

**Description** Show aggregate for all IGMPv4-v6 traffic information

## <get-ddos-igmpv4v6-information>

---

**Usage**

```
<rpc>
  <get-ddos-igmpv4v6-information>
  </get-ddos-igmpv4v6-information>
</rpc>
```

**Description** Show IGMPv4-v6 traffic information

**Contents**

- <get-ddos-igmpv4v6-parameters>—Show IGMPv4v6 protocol parameters
- <get-ddos-igmpv4v6-statistics>—Show IGMPv4v6 statistics and states
- <get-ddos-igmpv4v6-violations>—Show IGMPv4v6 traffic violations
- <get-ddos-igmpv4v6-aggregate>—Show aggregate for all IGMPv4-v6 traffic information

## <get-ddos-igmpv4v6-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-igmpv4v6-parameters>
  <brief/>
  <detail/>
  </get-ddos-igmpv4v6-parameters>
</rpc>
```



**Description** Show IGMPv4v6 protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-igmpv4v6-statistics>

---

**Usage**

```
<rpc>  
  <get-ddos-igmpv4v6-statistics>  
  <brief/>  
  <detail/>  
  </get-ddos-igmpv4v6-statistics>  
</rpc>
```

**Description** Show IGMPv4v6 statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-igmpv4v6-violations>

---

**Usage**

```
<rpc>  
  <get-ddos-igmpv4v6-violations/>  
</rpc>
```

**Description** Show IGMPv4v6 traffic violations

---

### <get-ddos-igmpv6-aggregate>

---

**Usage**

```
<rpc>  
  <get-ddos-igmpv6-aggregate/>  
</rpc>
```

**Description** Show aggregate for all IGMPv6 traffic information

---

### <get-ddos-igmpv6-information>

---

**Usage**

```
<rpc>  
  <get-ddos-igmpv6-information>  
  </get-ddos-igmpv6-information>
```

```
</rpc>
```

**Description** Show IGMPv6 traffic information

**Contents** `<get-ddos-igmpv6-parameters>`—Show IGMPv6 protocol parameters  
`<get-ddos-igmpv6-statistics>`—Show IGMPv6 statistics and states  
`<get-ddos-igmpv6-violations>`—Show IGMPv6 traffic violations  
`<get-ddos-igmpv6-aggregate>`—Show aggregate for all IGMPv6 traffic information

---

### `<get-ddos-igmpv6-parameters>`

---

**Usage**

```
<rpc>  
  <get-ddos-igmpv6-parameters>  
    <brief/>  
    <detail/>  
  </get-ddos-igmpv6-parameters>  
</rpc>
```

**Description** Show IGMPv6 protocol parameters

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

---

### `<get-ddos-igmpv6-statistics>`

---

**Usage**

```
<rpc>  
  <get-ddos-igmpv6-statistics>  
    <brief/>  
    <detail/>  
  </get-ddos-igmpv6-statistics>  
</rpc>
```

**Description** Show IGMPv6 statistics and states

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

### <get-ddos-igmpv6-violations>

---

**Usage**

```
<rpc>
  <get-ddos-igmpv6-violations/>
</rpc>
```

**Description** Show IGMPv6 traffic violations

### <get-ddos-ip-frag-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-ip-frag-aggregate/>
</rpc>
```

**Description** Show aggregate for all IP-Fragments information

### <get-ddos-ip-frag-first-frag>

---

**Usage**

```
<rpc>
  <get-ddos-ip-frag-first-frag/>
</rpc>
```

**Description** Show First IP fragment information

### <get-ddos-ip-frag-information>

---

**Usage**

```
<rpc>
  <get-ddos-ip-frag-information>
</get-ddos-ip-frag-information>
</rpc>
```

**Description** Show IP-Fragments information

**Contents**

- <get-ddos-ip-frag-parameters>—Show IP-Fragments protocol parameters
- <get-ddos-ip-frag-statistics>—Show IP-Fragments statistics and states
- <get-ddos-ip-frag-violations>—Show IP-Fragments traffic violations
- <get-ddos-ip-frag-aggregate>—Show aggregate for all IP-Fragments information
- <get-ddos-ip-frag-first-frag>—Show First IP fragment information

<get-ddos-ip-frag-trail-frag>—Show Trailing IP fragment information

---

## <get-ddos-ip-frag-parameters>

---

### Usage

```
<rpc>
  <get-ddos-ip-frag-parameters>
    <brief/>
    <detail/>
  </get-ddos-ip-frag-parameters>
</rpc>
```

**Description** Show IP-Fragments protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

## <get-ddos-ip-frag-statistics>

---

### Usage

```
<rpc>
  <get-ddos-ip-frag-statistics>
    <brief/>
    <detail/>
  </get-ddos-ip-frag-statistics>
</rpc>
```

**Description** Show IP-Fragments statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

## <get-ddos-ip-frag-trail-frag>

---

### Usage

```
<rpc>
  <get-ddos-ip-frag-trail-frag/>
</rpc>
```

**Description** Show Trailing IP fragment information

### <get-ddos-ip-frag-violations>

---

**Usage**

```
<rpc>
  <get-ddos-ip-frag-violations/>
</rpc>
```

**Description** Show IP-Fragments traffic violations

### <get-ddos-ip-opt-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-ip-opt-aggregate/>
</rpc>
```

**Description** Show aggregate for all ip options traffic information

### <get-ddos-ip-opt-information>

---

**Usage**

```
<rpc>
  <get-ddos-ip-opt-information>
  </get-ddos-ip-opt-information>
</rpc>
```

**Description** Show ip options traffic information

**Contents**

- <get-ddos-ip-opt-parameters>—Show IP-Options protocol parameters
- <get-ddos-ip-opt-statistics>—Show IP-Options statistics and states
- <get-ddos-ip-opt-violations>—Show IP-Options traffic violations
- <get-ddos-ip-opt-aggregate>—Show aggregate for all ip options traffic information
- <get-ddos-ip-opt-unclass>—Show unclassified ip options traffic information
- <get-ddos-ip-opt-rt-alert>—Show Router alert options traffic information

### <get-ddos-ip-opt-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-ip-opt-parameters>
  <brief/>
  <detail/>
```

```
</get-ddos-ip-opt-parameters>
</rpc>
```

**Description** Show IP-Options protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-ip-opt-rt-alert>

---

**Usage**

```
<rpc>
  <get-ddos-ip-opt-rt-alert/>
</rpc>
```

**Description** Show Router alert options traffic information

---

### <get-ddos-ip-opt-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-ip-opt-statistics>
    <brief/>
    <detail/>
  </get-ddos-ip-opt-statistics>
</rpc>
```

**Description** Show IP-Options statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-ip-opt-unclass>

---

**Usage**

```
<rpc>
  <get-ddos-ip-opt-unclass/>
</rpc>
```

**Description** Show unclassified ip options traffic information

## <get-ddos-ip-opt-violations>

---

**Usage**

```
<rpc>
  <get-ddos-ip-opt-violations/>
</rpc>
```

**Description** Show IP-Options traffic violations

## <get-ddos-ipv4-uncls-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-ipv4-uncls-aggregate/>
</rpc>
```

**Description** Show aggregate for all unclassified host-bound IPv4 traffic information

## <get-ddos-ipv4-uncls-information>

---

**Usage**

```
<rpc>
  <get-ddos-ipv4-uncls-information>
  </get-ddos-ipv4-uncls-information>
</rpc>
```

**Description** Show unclassified host-bound IPv4 traffic information

**Contents**

- <get-ddos-ipv4-uncls-parameters>—Show IPv4-Unclassified protocol parameters
- <get-ddos-ipv4-uncls-statistics>—Show IPv4-Unclassified statistics and states
- <get-ddos-ipv4-uncls-violations>—Show IPv4-Unclassified traffic violations
- <get-ddos-ipv4-uncls-aggregate>—Show aggregate for all unclassified host-bound IPv4 traffic information

## <get-ddos-ipv4-uncls-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-ipv4-uncls-parameters>
  <brief/>
  <detail/>
  </get-ddos-ipv4-uncls-parameters>
</rpc>
```

**Description** Show IPv4-Unclassified protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-ipv4-uncls-statistics>

---

**Usage**

```
<rpc>  
  <get-ddos-ipv4-uncls-statistics>  
    <brief/>  
    <detail/>  
  </get-ddos-ipv4-uncls-statistics>  
</rpc>
```

**Description** Show IPv4-Unclassified statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-ipv4-uncls-violations>

---

**Usage**

```
<rpc>  
  <get-ddos-ipv4-uncls-violations/>  
</rpc>
```

**Description** Show IPv4-Unclassified traffic violations

---

### <get-ddos-ipv6-uncls-aggregate>

---

**Usage**

```
<rpc>  
  <get-ddos-ipv6-uncls-aggregate/>  
</rpc>
```

**Description** Show aggregate for all unclassified host-bound IPv6 traffic information

---

### <get-ddos-ipv6-uncls-information>

---

**Usage**

```
<rpc>  
  <get-ddos-ipv6-uncls-information>  
  </get-ddos-ipv6-uncls-information>
```



</rpc>

**Description** Show unclassified host-bound IPv6 traffic information

**Contents** <get-ddos-ipv6-uncls-parameters>—Show IPv6-Unclassified protocol parameters  
<get-ddos-ipv6-uncls-statistics>—Show IPv6-Unclassified statistics and states  
<get-ddos-ipv6-uncls-violations>—Show IPv6-Unclassified traffic violations  
<get-ddos-ipv6-uncls-aggregate>—Show aggregate for all unclassified host-bound IPv6 traffic information

---

### <get-ddos-ipv6-uncls-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-ipv6-uncls-parameters>
    <brief/>
    <detail/>
  </get-ddos-ipv6-uncls-parameters>
</rpc>
```

**Description** Show IPv6-Unclassified protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-ipv6-uncls-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-ipv6-uncls-statistics>
    <brief/>
    <detail/>
  </get-ddos-ipv6-uncls-statistics>
</rpc>
```

**Description** Show IPv6-Unclassified statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

## <get-ddos-ipv6-uncls-violations>

---

**Usage**

```
<rpc>
  <get-ddos-ipv6-uncls-violations/>
</rpc>
```

**Description** Show IPv6-Unclassified traffic violations

## <get-ddos-isis-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-isis-aggregate/>
</rpc>
```

**Description** Show aggregate for all ISIS traffic information

## <get-ddos-isis-information>

---

**Usage**

```
<rpc>
  <get-ddos-isis-information>
  </get-ddos-isis-information>
</rpc>
```

**Description** Show ISIS traffic information

**Contents**

- <get-ddos-isis-parameters>—Show ISIS protocol parameters
- <get-ddos-isis-statistics>—Show ISIS statistics and states
- <get-ddos-isis-violations>—Show ISIS traffic violations
- <get-ddos-isis-aggregate>—Show aggregate for all ISIS traffic information

## <get-ddos-isis-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-isis-parameters>
  <brief/>
  <detail/>
  </get-ddos-isis-parameters>
</rpc>
```

**Description** Show ISIS protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-isis-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-isis-statistics>
    <brief/>
    <detail/>
  </get-ddos-isis-statistics>
</rpc>
```

**Description** Show ISIS statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-isis-violations>

---

**Usage**

```
<rpc>
  <get-ddos-isis-violations/>
</rpc>
```

**Description** Show ISIS traffic violations

---

### <get-ddos-jfm-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-jfm-aggregate/>
</rpc>
```

**Description** Show aggregate for all JFM traffic information

---

### <get-ddos-jfm-information>

---

**Usage**

```
<rpc>
  <get-ddos-jfm-information>
  </get-ddos-jfm-information>
```

```
</rpc>
```

**Description** Show JFM traffic information

**Contents** `<get-ddos-jfm-parameters>`—Show JFM protocol parameters  
`<get-ddos-jfm-statistics>`—Show JFM statistics and states  
`<get-ddos-jfm-violations>`—Show JFM traffic violations  
`<get-ddos-jfm-aggregate>`—Show aggregate for all JFM traffic information

---

### `<get-ddos-jfm-parameters>`

---

**Usage**

```
<rpc>  
  <get-ddos-jfm-parameters>  
    <brief/>  
    <detail/>  
  </get-ddos-jfm-parameters>  
</rpc>
```

**Description** Show JFM protocol parameters

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

---

### `<get-ddos-jfm-statistics>`

---

**Usage**

```
<rpc>  
  <get-ddos-jfm-statistics>  
    <brief/>  
    <detail/>  
  </get-ddos-jfm-statistics>  
</rpc>
```

**Description** Show JFM statistics and states

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

### <get-ddos-jfm-violations>

---

**Usage**

```
<rpc>
  <get-ddos-jfm-violations/>
</rpc>
```

**Description** Show JFM traffic violations

### <get-ddos-l2tp-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-l2tp-aggregate/>
</rpc>
```

**Description** Show aggregate for all l2tp traffic information

### <get-ddos-l2tp-information>

---

**Usage**

```
<rpc>
  <get-ddos-l2tp-information>
  </get-ddos-l2tp-information>
</rpc>
```

**Description** Show l2tp traffic information

**Contents** <get-ddos-l2tp-parameters>—Show L2TP protocol parameters

<get-ddos-l2tp-statistics>—Show L2TP statistics and states

<get-ddos-l2tp-violations>—Show L2TP traffic violations

<get-ddos-l2tp-aggregate>—Show aggregate for all l2tp traffic information

### <get-ddos-l2tp-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-l2tp-parameters>
  <brief/>
  <detail/>
  </get-ddos-l2tp-parameters>
</rpc>
```

**Description** Show L2TP protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-l2tp-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-l2tp-statistics>
    <brief/>
    <detail/>
  </get-ddos-l2tp-statistics>
</rpc>
```

**Description** Show L2TP statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-l2tp-violations>

---

**Usage**

```
<rpc>
  <get-ddos-l2tp-violations/>
</rpc>
```

**Description** Show L2TP traffic violations

---

### <get-ddos-lacp-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-lacp-aggregate/>
</rpc>
```

**Description** Show aggregate for all LACP traffic information

---

### <get-ddos-lacp-information>

---

**Usage**

```
<rpc>
  <get-ddos-lacp-information>
  </get-ddos-lacp-information>
```

`</rpc>`

**Description** Show LACP traffic information

**Contents** `<get-ddos-lacp-parameters>`—Show LACP protocol parameters  
`<get-ddos-lacp-statistics>`—Show LACP statistics and states  
`<get-ddos-lacp-violations>`—Show LACP traffic violations  
`<get-ddos-lacp-aggregate>`—Show aggregate for all LACP traffic information

---

### `<get-ddos-lacp-parameters>`

---

**Usage**

```
<rpc>  
  <get-ddos-lacp-parameters>  
    <brief/>  
    <detail/>  
  </get-ddos-lacp-parameters>  
</rpc>
```

**Description** Show LACP protocol parameters

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

---

### `<get-ddos-lacp-statistics>`

---

**Usage**

```
<rpc>  
  <get-ddos-lacp-statistics>  
    <brief/>  
    <detail/>  
  </get-ddos-lacp-statistics>  
</rpc>
```

**Description** Show LACP statistics and states

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

## <get-ddos-lacp-violations>

---

**Usage**

```
<rpc>
  <get-ddos-lacp-violations/>
</rpc>
```

**Description** Show LACP traffic violations

## <get-ddos-ldp-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-ldp-aggregate/>
</rpc>
```

**Description** Show aggregate for all LDP traffic information

## <get-ddos-ldp-information>

---

**Usage**

```
<rpc>
  <get-ddos-ldp-information>
  </get-ddos-ldp-information>
</rpc>
```

**Description** Show LDP traffic information

**Contents**

- <get-ddos-ldp-parameters>—Show LDP protocol parameters
- <get-ddos-ldp-statistics>—Show LDP statistics and states
- <get-ddos-ldp-violations>—Show LDP traffic violations
- <get-ddos-ldp-aggregate>—Show aggregate for all LDP traffic information

## <get-ddos-ldp-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-ldp-parameters>
  <brief/>
  <detail/>
  </get-ddos-ldp-parameters>
</rpc>
```



**Description** Show LDP protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-ldp-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-ldp-statistics>
    <brief/>
    <detail/>
  </get-ddos-ldp-statistics>
</rpc>
```

**Description** Show LDP statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-ldp-violations>

---

**Usage**

```
<rpc>
  <get-ddos-ldp-violations/>
</rpc>
```

**Description** Show LDP traffic violations

---

### <get-ddos-ldpv6-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-ldpv6-aggregate/>
</rpc>
```

**Description** Show aggregate for all LDPv6 traffic information

---

### <get-ddos-ldpv6-information>

---

**Usage**

```
<rpc>
  <get-ddos-ldpv6-information>
  </get-ddos-ldpv6-information>
```

```
</rpc>
```

**Description** Show LDPv6 traffic information

**Contents** `<get-ddos-ldpv6-parameters>`—Show LDPv6 protocol parameters  
`<get-ddos-ldpv6-statistics>`—Show LDPv6 statistics and states  
`<get-ddos-ldpv6-violations>`—Show LDPv6 traffic violations  
`<get-ddos-ldpv6-aggregate>`—Show aggregate for all LDPv6 traffic information

---

### `<get-ddos-ldpv6-parameters>`

---

**Usage**

```
<rpc>  
  <get-ddos-ldpv6-parameters>  
    <brief/>  
    <detail/>  
  </get-ddos-ldpv6-parameters>  
</rpc>
```

**Description** Show LDPv6 protocol parameters

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

---

### `<get-ddos-ldpv6-statistics>`

---

**Usage**

```
<rpc>  
  <get-ddos-ldpv6-statistics>  
    <brief/>  
    <detail/>  
  </get-ddos-ldpv6-statistics>  
</rpc>
```

**Description** Show LDPv6 statistics and states

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

### <get-ddos-ldpv6-violations>

---

**Usage**

```
<rpc>
  <get-ddos-ldpv6-violations/>
</rpc>
```

**Description** Show LDPv6 traffic violations

### <get-ddos-ldp-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-ldp-aggregate/>
</rpc>
```

**Description** Show aggregate for all LLDP traffic information

### <get-ddos-ldp-information>

---

**Usage**

```
<rpc>
  <get-ddos-ldp-information>
  </get-ddos-ldp-information>
</rpc>
```

**Description** Show LLDP traffic information

**Contents**

- <get-ddos-ldp-parameters>—Show LLDP protocol parameters
- <get-ddos-ldp-statistics>—Show LLDP statistics and states
- <get-ddos-ldp-violations>—Show LLDP traffic violations
- <get-ddos-ldp-aggregate>—Show aggregate for all LLDP traffic information

### <get-ddos-ldp-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-ldp-parameters>
  <brief/>
  <detail/>
  </get-ddos-ldp-parameters>
</rpc>
```

**Description** Show LLDP protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-ldp-statistics>

---

**Usage**

```
<rpc>  
  <get-ddos-ldp-statistics>  
    <brief/>  
    <detail/>  
  </get-ddos-ldp-statistics>  
</rpc>
```

**Description** Show LLDP statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-ldp-violations>

---

**Usage**

```
<rpc>  
  <get-ddos-ldp-violations/>  
</rpc>
```

**Description** Show LLDP traffic violations

---

### <get-ddos-lmp-aggregate>

---

**Usage**

```
<rpc>  
  <get-ddos-lmp-aggregate/>  
</rpc>
```

**Description** Show aggregate for all LMP traffic information

---

### <get-ddos-lmp-information>

---

**Usage**

```
<rpc>  
  <get-ddos-lmp-information>  
  </get-ddos-lmp-information>
```

`</rpc>`

**Description** Show LMP traffic information

**Contents** `<get-ddos-lmp-parameters>`—Show LMP protocol parameters  
`<get-ddos-lmp-statistics>`—Show LMP statistics and states  
`<get-ddos-lmp-violations>`—Show LMP traffic violations  
`<get-ddos-lmp-aggregate>`—Show aggregate for all LMP traffic information

### `<get-ddos-lmp-parameters>`

---

**Usage**

```
<rpc>
  <get-ddos-lmp-parameters>
    <brief/>
    <detail/>
  </get-ddos-lmp-parameters>
</rpc>
```

**Description** Show LMP protocol parameters

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

### `<get-ddos-lmp-statistics>`

---

**Usage**

```
<rpc>
  <get-ddos-lmp-statistics>
    <brief/>
    <detail/>
  </get-ddos-lmp-statistics>
</rpc>
```

**Description** Show LMP statistics and states

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

## <get-ddos-lmp-violations>

---

**Usage**

```
<rpc>
  <get-ddos-lmp-violations/>
</rpc>
```

**Description** Show LMP traffic violations

## <get-ddos-lmpv6-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-lmpv6-aggregate/>
</rpc>
```

**Description** Show aggregate for all LMPv6 traffic information

## <get-ddos-lmpv6-information>

---

**Usage**

```
<rpc>
  <get-ddos-lmpv6-information>
  </get-ddos-lmpv6-information>
</rpc>
```

**Description** Show LMPv6 traffic information

**Contents**

- <get-ddos-lmpv6-parameters>—Show LMPv6 protocol parameters
- <get-ddos-lmpv6-statistics>—Show LMPv6 statistics and states
- <get-ddos-lmpv6-violations>—Show LMPv6 traffic violations
- <get-ddos-lmpv6-aggregate>—Show aggregate for all LMPv6 traffic information

## <get-ddos-lmpv6-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-lmpv6-parameters>
  <brief/>
  <detail/>
  </get-ddos-lmpv6-parameters>
</rpc>
```

**Description** Show LMPv6 protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-lmpv6-statistics>

---

**Usage**

```
<rpc>  
  <get-ddos-lmpv6-statistics>  
  <brief/>  
  <detail/>  
</get-ddos-lmpv6-statistics>  
</rpc>
```

**Description** Show LMPv6 statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-lmpv6-violations>

---

**Usage**

```
<rpc>  
  <get-ddos-lmpv6-violations/>  
</rpc>
```

**Description** Show LMPv6 traffic violations

---

### <get-ddos-mac-host-aggregate>

---

**Usage**

```
<rpc>  
  <get-ddos-mac-host-aggregate/>  
</rpc>
```

**Description** Show aggregate for all L2-MAC configured 'send-to-host' information

---

### <get-ddos-mac-host-information>

---

**Usage**

```
<rpc>  
  <get-ddos-mac-host-information>  
</get-ddos-mac-host-information>
```

```
</rpc>
```

**Description** Show L2-MAC configured 'send-to-host' information

**Contents** <get-ddos-mac-host-parameters>—Show Mac-Host protocol parameters  
<get-ddos-mac-host-statistics>—Show Mac-Host statistics and states  
<get-ddos-mac-host-violations>—Show Mac-Host traffic violations  
<get-ddos-mac-host-aggregate>—Show aggregate for all L2-MAC configured 'send-to-host' information

---

### <get-ddos-mac-host-parameters>

---

**Usage**

```
<rpc>  
  <get-ddos-mac-host-parameters>  
    <brief/>  
    <detail/>  
  </get-ddos-mac-host-parameters>  
</rpc>
```

**Description** Show Mac-Host protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-mac-host-statistics>

---

**Usage**

```
<rpc>  
  <get-ddos-mac-host-statistics>  
    <brief/>  
    <detail/>  
  </get-ddos-mac-host-statistics>  
</rpc>
```

**Description** Show Mac-Host statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output



### <get-ddos-mac-host-violations>

---

**Usage**

```
<rpc>
  <get-ddos-mac-host-violations/>
</rpc>
```

**Description** Show Mac-Host traffic violations

### <get-ddos-mcast-copy-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-mcast-copy-aggregate/>
</rpc>
```

**Description** Show aggregate for all host copy due to multicast routing information

### <get-ddos-mcast-copy-information>

---

**Usage**

```
<rpc>
  <get-ddos-mcast-copy-information>
  </get-ddos-mcast-copy-information>
</rpc>
```

**Description** Show host copy due to multicast routing information

**Contents**

- <get-ddos-mcast-copy-parameters>—Show Multicast-Copy protocol parameters
- <get-ddos-mcast-copy-statistics>—Show Multicast-Copy statistics and states
- <get-ddos-mcast-copy-violations>—Show Multicast-Copy traffic violations
- <get-ddos-mcast-copy-aggregate>—Show aggregate for all host copy due to multicast routing information

### <get-ddos-mcast-copy-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-mcast-copy-parameters>
  <brief/>
  <detail/>
  </get-ddos-mcast-copy-parameters>
</rpc>
```

**Description** Show Multicast-Copy protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-mcast-copy-statistics>

---

**Usage**

```
<rpc>  
  <get-ddos-mcast-copy-statistics>  
    <brief/>  
    <detail/>  
  </get-ddos-mcast-copy-statistics>  
</rpc>
```

**Description** Show Multicast-Copy statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-mcast-copy-violations>

---

**Usage**

```
<rpc>  
  <get-ddos-mcast-copy-violations/>  
</rpc>
```

**Description** Show Multicast-Copy traffic violations

---

### <get-ddos-mlp-aggregate>

---

**Usage**

```
<rpc>  
  <get-ddos-mlp-aggregate/>  
</rpc>
```

**Description** Show aggregate for all MLP traffic information

---

### <get-ddos-mlp-aging-exc>

---

**Usage**

```
<rpc>  
  <get-ddos-mlp-aging-exc/>
```

```
</rpc>
```

**Description** Show MLP aging exceptions information

## <get-ddos-mlp-information>

---

### Usage

```
<rpc>
  <get-ddos-mlp-information>
</get-ddos-mlp-information>
</rpc>
```

**Description** Show MLP traffic information

**Contents**

- <get-ddos-mlp-parameters>—Show MLP protocol parameters
- <get-ddos-mlp-statistics>—Show MLP statistics and states
- <get-ddos-mlp-violations>—Show MLP traffic violations
- <get-ddos-mlp-aggregate>—Show aggregate for all MLP traffic information
- <get-ddos-mlp-unclass>—Show unclassified MLP traffic information
- <get-ddos-mlp-packets>—Show MLP packets information
- <get-ddos-mlp-aging-exc>—Show MLP aging exceptions information

## <get-ddos-mlp-packets>

---

### Usage

```
<rpc>
  <get-ddos-mlp-packets/>
</rpc>
```

**Description** Show MLP packets information

## <get-ddos-mlp-parameters>

---

### Usage

```
<rpc>
  <get-ddos-mlp-parameters>
    <brief/>
    <detail/>
  </get-ddos-mlp-parameters>
</rpc>
```

**Description** Show MLP protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-mlp-statistics>

---

**Usage**

```
<rpc>  
  <get-ddos-mlp-statistics>  
    <brief/>  
    <detail/>  
  </get-ddos-mlp-statistics>  
</rpc>
```

**Description** Show MLP statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-mlp-unclass>

---

**Usage**

```
<rpc>  
  <get-ddos-mlp-unclass/>  
</rpc>
```

**Description** Show unclassified MLP traffic information

---

### <get-ddos-mlp-violations>

---

**Usage**

```
<rpc>  
  <get-ddos-mlp-violations/>  
</rpc>
```

**Description** Show MLP traffic violations

---

### <get-ddos-msdp-aggregate>

---

**Usage**

```
<rpc>  
  <get-ddos-msdp-aggregate/>
```

```
</rpc>
```

**Description** Show aggregate for all MSDP traffic information

### <get-ddos-msdp-information>

---

**Usage**

```
<rpc>
  <get-ddos-msdp-information>
</get-ddos-msdp-information>
</rpc>
```

**Description** Show MSDP traffic information

**Contents** <get-ddos-msdp-parameters>—Show MSDP protocol parameters

<get-ddos-msdp-statistics>—Show MSDP statistics and states

<get-ddos-msdp-violations>—Show MSDP traffic violations

<get-ddos-msdp-aggregate>—Show aggregate for all MSDP traffic information

### <get-ddos-msdp-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-msdp-parameters>
    <brief/>
    <detail/>
  </get-ddos-msdp-parameters>
</rpc>
```

**Description** Show MSDP protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

### <get-ddos-msdp-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-msdp-statistics>
    <brief/>
    <detail/>
  </get-ddos-msdp-statistics>
</rpc>
```

**Description** Show MSDP statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-msdp-violations>

---

**Usage**

```
<rpc>  
  <get-ddos-msdp-violations/>  
</rpc>
```

**Description** Show MSDP traffic violations

---

### <get-ddos-msdpv6-aggregate>

---

**Usage**

```
<rpc>  
  <get-ddos-msdpv6-aggregate/>  
</rpc>
```

**Description** Show aggregate for all MSDPv6 traffic information

---

### <get-ddos-msdpv6-information>

---

**Usage**

```
<rpc>  
  <get-ddos-msdpv6-information>  
  </get-ddos-msdpv6-information>  
</rpc>
```

**Description** Show MSDPv6 traffic information

**Contents** <get-ddos-msdpv6-parameters>—Show MSDPv6 protocol parameters  
<get-ddos-msdpv6-statistics>—Show MSDPv6 statistics and states  
<get-ddos-msdpv6-violations>—Show MSDPv6 traffic violations  
<get-ddos-msdpv6-aggregate>—Show aggregate for all MSDPv6 traffic information

---

### <get-ddos-msdpv6-parameters>

---

**Usage**

```
<rpc>
```

```
<get-ddos-msdpv6-parameters>  
<brief/>  
<detail/>  
</get-ddos-msdpv6-parameters>  
</rpc>
```

**Description** Show MSDPv6 protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-msdpv6-statistics>

---

**Usage**

```
<rpc>  
<get-ddos-msdpv6-statistics>  
<brief/>  
<detail/>  
</get-ddos-msdpv6-statistics>  
</rpc>
```

**Description** Show MSDPv6 statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-msdpv6-violations>

---

**Usage**

```
<rpc>  
<get-ddos-msdpv6-violations/>  
</rpc>
```

**Description** Show MSDPv6 traffic violations

---

### <get-ddos-mvrrp-aggregate>

---

**Usage**

```
<rpc>  
<get-ddos-mvrrp-aggregate/>  
</rpc>
```

**Description** Show aggregate for all MVRP traffic information

## <get-ddos-mvrp-information>

---

**Usage**

```
<rpc>
  <get-ddos-mvrp-information>
</get-ddos-mvrp-information>
</rpc>
```

**Description** Show MVRP traffic information

**Contents** <get-ddos-mvrp-parameters>—Show MVRP protocol parameters

<get-ddos-mvrp-statistics>—Show MVRP statistics and states

<get-ddos-mvrp-violations>—Show MVRP traffic violations

<get-ddos-mvrp-aggregate>—Show aggregate for all MVRP traffic information

## <get-ddos-mvrp-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-mvrp-parameters>
    <brief/>
    <detail/>
  </get-ddos-mvrp-parameters>
</rpc>
```

**Description** Show MVRP protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-mvrp-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-mvrp-statistics>
    <brief/>
    <detail/>
  </get-ddos-mvrp-statistics>
</rpc>
```

**Description** Show MVRP statistics and states

**Contents** <brief>—Show brief output



<detail>—Show detailed output

### <get-ddos-mvrp-violations>

---

**Usage**

```
<rpc>
  <get-ddos-mvrp-violations/>
</rpc>
```

**Description** Show MVRP traffic violations

### <get-ddos-ntp-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-ntp-aggregate/>
</rpc>
```

**Description** Show aggregate for all NTP traffic information

### <get-ddos-ntp-information>

---

**Usage**

```
<rpc>
  <get-ddos-ntp-information>
  </get-ddos-ntp-information>
</rpc>
```

**Description** Show NTP traffic information

**Contents**

- <get-ddos-ntp-parameters>—Show NTP protocol parameters
- <get-ddos-ntp-statistics>—Show NTP statistics and states
- <get-ddos-ntp-violations>—Show NTP traffic violations
- <get-ddos-ntp-aggregate>—Show aggregate for all NTP traffic information

### <get-ddos-ntp-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-ntp-parameters>
  <brief/>
  <detail/>
</get-ddos-ntp-parameters>
```

</rpc>

**Description** Show NTP protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-ntp-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-ntp-statistics>
    <brief/>
    <detail/>
  </get-ddos-ntp-statistics>
</rpc>
```

**Description** Show NTP statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-ntp-violations>

---

**Usage**

```
<rpc>
  <get-ddos-ntp-violations/>
</rpc>
```

**Description** Show NTP traffic violations

---

### <get-ddos-oam-lfm-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-oam-lfm-aggregate/>
</rpc>
```

**Description** Show aggregate for all OAM-LFM traffic information

## <get-ddos-oam-lfm-information>

---

**Usage**

```
<rpc>
  <get-ddos-oam-lfm-information>
</get-ddos-oam-lfm-information>
</rpc>
```

**Description** Show OAM-LFM traffic information

**Contents** <get-ddos-oam-lfm-parameters>—Show OAM-LFM protocol parameters

<get-ddos-oam-lfm-statistics>—Show OAM-LFM statistics and states

<get-ddos-oam-lfm-violations>—Show OAM-LFM traffic violations

<get-ddos-oam-lfm-aggregate>—Show aggregate for all OAM-LFM traffic information

## <get-ddos-oam-lfm-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-oam-lfm-parameters>
    <brief/>
    <detail/>
  </get-ddos-oam-lfm-parameters>
</rpc>
```

**Description** Show OAM-LFM protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-oam-lfm-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-oam-lfm-statistics>
    <brief/>
    <detail/>
  </get-ddos-oam-lfm-statistics>
</rpc>
```

**Description** Show OAM-LFM statistics and states

**Contents** <brief>—Show brief output

<detail>—Show detailed output

---

## <get-ddos-oam-lfm-violations>

---

### Usage

```
<rpc>
  <get-ddos-oam-lfm-violations/>
</rpc>
```

**Description** Show OAM-LFM traffic violations

---

## <get-ddos-ospf-aggregate>

---

### Usage

```
<rpc>
  <get-ddos-ospf-aggregate/>
</rpc>
```

**Description** Show aggregate for all OSPF traffic information

---

## <get-ddos-ospf-information>

---

### Usage

```
<rpc>
  <get-ddos-ospf-information>
  </get-ddos-ospf-information>
</rpc>
```

**Description** Show OSPF traffic information

**Contents**

- <get-ddos-ospf-parameters>—Show OSPF protocol parameters
- <get-ddos-ospf-statistics>—Show OSPF statistics and states
- <get-ddos-ospf-violations>—Show OSPF traffic violations
- <get-ddos-ospf-aggregate>—Show aggregate for all OSPF traffic information

---

## <get-ddos-ospf-parameters>

---

### Usage

```
<rpc>
  <get-ddos-ospf-parameters>
  <brief/>
  <detail/>
</get-ddos-ospf-parameters>
```

</rpc>

**Description** Show OSPF protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-ospf-statistics>

---

**Usage**

```
<rpc>  
  <get-ddos-ospf-statistics>  
    <brief/>  
    <detail/>  
  </get-ddos-ospf-statistics>  
</rpc>
```

**Description** Show OSPF statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-ospf-violations>

---

**Usage**

```
<rpc>  
  <get-ddos-ospf-violations/>  
</rpc>
```

**Description** Show OSPF traffic violations

---

### <get-ddos-ospfv3v6-aggregate>

---

**Usage**

```
<rpc>  
  <get-ddos-ospfv3v6-aggregate/>  
</rpc>
```

**Description** Show aggregate for all OSPFv3v6 traffic information

## <get-ddos-ospfv3v6-information>

---

**Usage**

```
<rpc>
  <get-ddos-ospfv3v6-information>
</get-ddos-ospfv3v6-information>
</rpc>
```

**Description** Show OSPFv3v6 traffic information

**Contents** <get-ddos-ospfv3v6-parameters>—Show OSPFv3v6 protocol parameters  
<get-ddos-ospfv3v6-statistics>—Show OSPFv3v6 statistics and states  
<get-ddos-ospfv3v6-violations>—Show OSPFv3v6 traffic violations  
<get-ddos-ospfv3v6-aggregate>—Show aggregate for all OSPFv3v6 traffic information

## <get-ddos-ospfv3v6-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-ospfv3v6-parameters>
    <brief/>
    <detail/>
  </get-ddos-ospfv3v6-parameters>
</rpc>
```

**Description** Show OSPFv3v6 protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

## <get-ddos-ospfv3v6-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-ospfv3v6-statistics>
    <brief/>
    <detail/>
  </get-ddos-ospfv3v6-statistics>
</rpc>
```

**Description** Show OSPFv3v6 statistics and states

**Contents** <brief>—Show brief output

<detail>—Show detailed output

---

### <get-ddos-ospfv3v6-violations>

---

**Usage**

```
<rpc>
  <get-ddos-ospfv3v6-violations/>
</rpc>
```

**Description** Show OSPFv3v6 traffic violations

---

### <get-ddos-pfe-alive-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-pfe-alive-aggregate/>
</rpc>
```

**Description** Show aggregate for all pfe alive traffic information

---

### <get-ddos-pfe-alive-information>

---

**Usage**

```
<rpc>
  <get-ddos-pfe-alive-information>
  </get-ddos-pfe-alive-information>
</rpc>
```

**Description** Show pfe alive traffic information

**Contents** <get-ddos-pfe-alive-parameters>—Show Pfe-Alive protocol parameters

<get-ddos-pfe-alive-statistics>—Show Pfe-Alive statistics and states

<get-ddos-pfe-alive-violations>—Show Pfe-Alive traffic violations

<get-ddos-pfe-alive-aggregate>—Show aggregate for all pfe alive traffic information

---

### <get-ddos-pfe-alive-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-pfe-alive-parameters>
  <brief/>
  <detail/>
</get-ddos-pfe-alive-parameters>
```

</rpc>

**Description** Show Pfe-Alive protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-pfe-alive-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-pfe-alive-statistics>
    <brief/>
    <detail/>
  </get-ddos-pfe-alive-statistics>
</rpc>
```

**Description** Show Pfe-Alive statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-pfe-alive-violations>

---

**Usage**

```
<rpc>
  <get-ddos-pfe-alive-violations/>
</rpc>
```

**Description** Show Pfe-Alive traffic violations

---

### <get-ddos-pim-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-pim-aggregate/>
</rpc>
```

**Description** Show aggregate for all PIM traffic information



## <get-ddos-pim-information>

---

**Usage**

```
<rpc>
  <get-ddos-pim-information>
</get-ddos-pim-information>
</rpc>
```

**Description** Show PIM traffic information

**Contents** <get-ddos-pim-parameters>—Show PIM protocol parameters

<get-ddos-pim-statistics>—Show PIM statistics and states

<get-ddos-pim-violations>—Show PIM traffic violations

<get-ddos-pim-aggregate>—Show aggregate for all PIM traffic information

## <get-ddos-pim-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-pim-parameters>
    <brief/>
    <detail/>
  </get-ddos-pim-parameters>
</rpc>
```

**Description** Show PIM protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-pim-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-pim-statistics>
    <brief/>
    <detail/>
  </get-ddos-pim-statistics>
</rpc>
```

**Description** Show PIM statistics and states

**Contents** <brief>—Show brief output

<detail>—Show detailed output

---

## <get-ddos-pim-violations>

---

### Usage

```
<rpc>
  <get-ddos-pim-violations/>
</rpc>
```

**Description** Show PIM traffic violations

---

## <get-ddos-pmvrp-aggregate>

---

### Usage

```
<rpc>
  <get-ddos-pmvrp-aggregate/>
</rpc>
```

**Description** Show aggregate for all PMVRP traffic information

---

## <get-ddos-pmvrp-information>

---

### Usage

```
<rpc>
  <get-ddos-pmvrp-information>
  </get-ddos-pmvrp-information>
</rpc>
```

**Description** Show PMVRP traffic information

**Contents**

- <get-ddos-pmvrp-parameters>—Show PMVRP protocol parameters
- <get-ddos-pmvrp-statistics>—Show PMVRP statistics and states
- <get-ddos-pmvrp-violations>—Show PMVRP traffic violations
- <get-ddos-pmvrp-aggregate>—Show aggregate for all PMVRP traffic information

---

## <get-ddos-pmvrp-parameters>

---

### Usage

```
<rpc>
  <get-ddos-pmvrp-parameters>
  <brief/>
  <detail/>
</get-ddos-pmvrp-parameters>
```

`</rpc>`

**Description** Show PMVRP protocol parameters

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

---

### `<get-ddos-pmvrp-statistics>`

---

**Usage**

```
<rpc>
  <get-ddos-pmvrp-statistics>
    <brief/>
    <detail/>
  </get-ddos-pmvrp-statistics>
</rpc>
```

**Description** Show PMVRP statistics and states

**Contents** `<brief>`—Show brief output  
`<detail>`—Show detailed output

---

### `<get-ddos-pmvrp-violations>`

---

**Usage**

```
<rpc>
  <get-ddos-pmvrp-violations/>
</rpc>
```

**Description** Show PMVRP traffic violations

---

### `<get-ddos-pos-aggregate>`

---

**Usage**

```
<rpc>
  <get-ddos-pos-aggregate/>
</rpc>
```

**Description** Show aggregate for all POS traffic information

## <get-ddos-pos-information>

---

**Usage**

```
<rpc>  
  <get-ddos-pos-information>  
  </get-ddos-pos-information>  
</rpc>
```

**Description** Show POS traffic information

**Contents** <get-ddos-pos-parameters>—Show POS protocol parameters

<get-ddos-pos-statistics>—Show POS statistics and states

<get-ddos-pos-violations>—Show POS traffic violations

<get-ddos-pos-aggregate>—Show aggregate for all POS traffic information

## <get-ddos-pos-parameters>

---

**Usage**

```
<rpc>  
  <get-ddos-pos-parameters>  
    <brief/>  
    <detail/>  
  </get-ddos-pos-parameters>  
</rpc>
```

**Description** Show POS protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-pos-statistics>

---

**Usage**

```
<rpc>  
  <get-ddos-pos-statistics>  
    <brief/>  
    <detail/>  
  </get-ddos-pos-statistics>  
</rpc>
```

**Description** Show POS statistics and states

**Contents** <brief>—Show brief output

<detail>—Show detailed output

---

### <get-ddos-pos-violations>

---

**Usage**

```
<rpc>
  <get-ddos-pos-violations/>
</rpc>
```

**Description** Show POS traffic violations

---

### <get-ddos-ppp-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-ppp-aggregate/>
</rpc>
```

**Description** Show aggregate for all PPP control traffic information

---

### <get-ddos-ppp-auth>

---

**Usage**

```
<rpc>
  <get-ddos-ppp-auth/>
</rpc>
```

**Description** Show Authentication Protocol information

---

### <get-ddos-ppp-information>

---

**Usage**

```
<rpc>
  <get-ddos-ppp-information>
  </get-ddos-ppp-information>
</rpc>
```

**Description** Show PPP control traffic information

**Contents** <get-ddos-ppp-parameters>—Show PPP protocol parameters  
<get-ddos-ppp-statistics>—Show PPP statistics and states  
<get-ddos-ppp-violations>—Show PPP traffic violations  
<get-ddos-ppp-aggregate>—Show aggregate for all PPP control traffic information

<get-ddos-ppp-lcp>—Show Link Control Protocol information

<get-ddos-ppp-auth>—Show Authentication Protocol information

<get-ddos-ppp-ipcp>—Show IP Control Protocol information

<get-ddos-ppp-ipv6cp>—Show IPv6 Control Protocol information

<get-ddos-ppp-mplscp>—Show MPLS Control Protocol information

<get-ddos-ppp-isis>—Show ISIS Protocol information

---

### <get-ddos-ppp-ipcp>

---

**Usage**

```
<rpc>  
  <get-ddos-ppp-ipcp/>  
</rpc>
```

**Description** Show IP Control Protocol information

---

### <get-ddos-ppp-ipv6cp>

---

**Usage**

```
<rpc>  
  <get-ddos-ppp-ipv6cp/>  
</rpc>
```

**Description** Show IPv6 Control Protocol information

---

### <get-ddos-ppp-isis>

---

**Usage**

```
<rpc>  
  <get-ddos-ppp-isis/>  
</rpc>
```

**Description** Show ISIS Protocol information

---

### <get-ddos-ppp-lcp>

---

**Usage**

```
<rpc>  
  <get-ddos-ppp-lcp/>  
</rpc>
```

**Description** Show Link Control Protocol information

### <get-ddos-ppp-mplscp>

---

**Usage**

```
<rpc>
  <get-ddos-ppp-mplscp/>
</rpc>
```

**Description** Show MPLS Control Protocol information

### <get-ddos-ppp-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-ppp-parameters>
    <brief/>
    <detail/>
  </get-ddos-ppp-parameters>
</rpc>
```

**Description** Show PPP protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

### <get-ddos-ppp-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-ppp-statistics>
    <brief/>
    <detail/>
  </get-ddos-ppp-statistics>
</rpc>
```

**Description** Show PPP statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

## <get-ddos-ppp-violations>

---

**Usage**

```
<rpc>
  <get-ddos-ppp-violations/>
</rpc>
```

**Description** Show PPP traffic violations

## <get-ddos-pppoe-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-pppoe-aggregate/>
</rpc>
```

**Description** Show aggregate for all PPPoE control traffic information

## <get-ddos-pppoe-information>

---

**Usage**

```
<rpc>
  <get-ddos-pppoe-information>
  </get-ddos-pppoe-information>
</rpc>
```

**Description** Show PPPoE control traffic information

**Contents**

<get-ddos-pppoe-parameters>—Show PPPoE protocol parameters

<get-ddos-pppoe-statistics>—Show PPPoE statistics and states

<get-ddos-pppoe-violations>—Show PPPoE traffic violations

<get-ddos-pppoe-aggregate>—Show aggregate for all PPPoE control traffic information

<get-ddos-pppoe-padi>—Show PPPoE PADI information

<get-ddos-pppoe-pado>—Show PPPoE PADO information

<get-ddos-pppoe-padr>—Show PPPoE PADR information

<get-ddos-pppoe-pads>—Show PPPoE PADS information

<get-ddos-pppoe-padt>—Show PPPoE PADT information

<get-ddos-pppoe-padm>—Show PPPoE PADM information



<get-ddos-pppoe-padn>—Show PPPoE PADN information

---

### <get-ddos-pppoe-padi>

---

#### Usage

```
<rpc>  
<get-ddos-pppoe-padi/>  
</rpc>
```

**Description** Show PPPoE PADI information

---

### <get-ddos-pppoe-padm>

---

#### Usage

```
<rpc>  
<get-ddos-pppoe-padm/>  
</rpc>
```

**Description** Show PPPoE PADM information

---

### <get-ddos-pppoe-padn>

---

#### Usage

```
<rpc>  
<get-ddos-pppoe-padn/>  
</rpc>
```

**Description** Show PPPoE PADN information

---

### <get-ddos-pppoe-pado>

---

#### Usage

```
<rpc>  
<get-ddos-pppoe-pado/>  
</rpc>
```

**Description** Show PPPoE PADO information

---

### <get-ddos-pppoe-padr>

---

#### Usage

```
<rpc>  
<get-ddos-pppoe-padr/>  
</rpc>
```

**Description** Show PPPoE PADR information

---

### <get-ddos-pppoe-pads>

---

**Usage**

```
<rpc>
  <get-ddos-pppoe-pads/>
</rpc>
```

**Description** Show PPPoE PADS information

---

### <get-ddos-pppoe-padt>

---

**Usage**

```
<rpc>
  <get-ddos-pppoe-padt/>
</rpc>
```

**Description** Show PPPoE PADT information

---

### <get-ddos-pppoe-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-pppoe-parameters>
    <brief/>
    <detail/>
  </get-ddos-pppoe-parameters>
</rpc>
```

**Description** Show PPPoE protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-pppoe-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-pppoe-statistics>
    <brief/>
    <detail/>
  </get-ddos-pppoe-statistics>
</rpc>
```

**Description** Show PPPoE statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-pppoe-violations>

---

**Usage**

```
<rpc>  
  <get-ddos-pppoe-violations/>  
</rpc>
```

**Description** Show PPPoE traffic violations

---

### <get-ddos-protocols-information>

---

**Usage**

```
<rpc>  
  <get-ddos-protocols-information>  
  </get-ddos-protocols-information>  
</rpc>
```

**Description** Show protocol information

**Contents** <get-ddos-protocols-parameters>—Show parameters for all protocols  
<get-ddos-protocols-statistics>—Show statistics and states for all protocols  
<get-ddos-protocols-violations>—Show summary of all protocol violations  
<get-ddos-ipv4-uncls-information>—Show unclassified host-bound IPv4 traffic information  
<get-ddos-ipv6-uncls-information>—Show unclassified host-bound IPv6 traffic information  
<get-ddos-dynvlan-information>—Show dynamic vlan exceptions information  
<get-ddos-ppp-information>—Show PPP control traffic information  
<get-ddos-pppoe-information>—Show PPPoE control traffic information  
<get-ddos-dhcpv4-information>—Show DHCPv4 traffic information  
<get-ddos-dhcpv6-information>—Show DHCPv6 traffic information  
<get-ddos-vchassis-information>—Show virtual chassis traffic information  
<get-ddos-icmp-information>—Show ICMP traffic information  
<get-ddos-igmp-information>—Show IGMP traffic information

<get-ddos-ospf-information>—Show OSPF traffic information

<get-ddos-rsvp-information>—Show RSVP traffic information

<get-ddos-pim-information>—Show PIM traffic information

<get-ddos-rip-information>—Show RIP traffic information

<get-ddos-ntp-information>—Show NTP traffic information

<get-ddos-bfd-information>—Show BFD traffic information

<get-ddos-lmp-information>—Show LMP traffic information

<get-ddos-ldp-information>—Show LDP traffic information

<get-ddos-msdp-information>—Show MSDP traffic information

<get-ddos-bgp-information>—Show BGP traffic information

<get-ddos-vrrp-information>—Show VRRP traffic information

<get-ddos-telnet-information>—Show telnet traffic information

<get-ddos-ftp-information>—Show FTP traffic information

<get-ddos-ssh-information>—Show SSH traffic information

<get-ddos-snmp-information>—Show SNMP traffic information

<get-ddos-ancp-information>—Show ANCP traffic information

<get-ddos-igmpv6-information>—Show IGMPv6 traffic information

<get-ddos-egpv6-information>—Show EGPv6 traffic information

<get-ddos-rsipv6-information>—Show RSVPv6 traffic information

<get-ddos-igmpv4v6-information>—Show IGMPv4-v6 traffic information

<get-ddos-ripv6-information>—Show RIPv6 traffic information

<get-ddos-bfdv6-information>—Show BFDv6 traffic information

<get-ddos-lmpv6-information>—Show LMPv6 traffic information

<get-ddos-ldpv6-information>—Show LDPv6 traffic information

<get-ddos-msdpv6-information>—Show MSDPv6 traffic information

<get-ddos-bgpv6-information>—Show BGPv6 traffic information

<get-ddos-vrrpv6-information>—Show VRRPv6 traffic information

<get-ddos-telnetv6-information>—Show telnet-v6 traffic information

<get-ddos-ftp6-information>—Show FTPv6 traffic information

<get-ddos-ssh6-information>—Show SSHv6 traffic information

<get-ddos-snmp6-information>—Show SNMPv6 traffic information

<get-ddos-ancp6-information>—Show ANCPv6 traffic information

<get-ddos-ospfv3v6-information>—Show OSPFv3v6 traffic information

<get-ddos-lacp-information>—Show LACP traffic information

<get-ddos-stp-information>—Show STP traffic information

<get-ddos-esmc-information>—Show ESMC traffic information

<get-ddos-oam-lfm-information>—Show OAM-LFM traffic information

<get-ddos-eoam-information>—Show EOAM traffic information

<get-ddos-lldp-information>—Show LLDP traffic information

<get-ddos-mvrp-information>—Show MVRP traffic information

<get-ddos-pmvrp-information>—Show PMVRP traffic information

<get-ddos-arp-information>—Show ARP traffic information

<get-ddos-pvstp-information>—Show PVSTP traffic information

<get-ddos-isis-information>—Show ISIS traffic information

<get-ddos-pos-information>—Show POS traffic information

<get-ddos-mlp-information>—Show MLP traffic information

<get-ddos-jfm-information>—Show JFM traffic information

<get-ddos-atm-information>—Show ATM traffic information

<get-ddos-pfe-alive-information>—Show pfe alive traffic information

<get-ddos-ttl-information>—Show ttl traffic information

<get-ddos-ip-opt-information>—Show ip options traffic information

<get-ddos-redirect-information>—Show packets to trigger ICMP redirect information

<get-ddos-mcast-copy-information>—Show host copy due to multicast routing information

<get-ddos-mac-host-information>—Show L2-MAC configured 'send-to-host' information

<get-ddos-tun-frag-information>—Show tunnel fragment information

<get-ddos-igmp-snoop-information>—Show snooped igmp traffic information

<get-ddos-services-information>—Show services information

<get-ddos-demuxauto-information>—Show demux autosense traffic information

<get-ddos-fw-reject-information>—Show packets via firewall 'reject' action information

<get-ddos-fw-host-information>—Show packets via firewall 'send-to-host' action information

<get-ddos-tcp-flags-information>—Show packets with tcp flags information

<get-ddos-dtcp-information>—Show dtcp traffic information

<get-ddos-radius-information>—Show Radius traffic information

<get-ddos-ntp-information>—Show NTP traffic information

<get-ddos-tacacs-information>—Show TACACS traffic information

<get-ddos-dns-information>—Show DNS traffic information

<get-ddos-diameter-information>—Show Diameter/Gx+ traffic information

<get-ddos-ip-frag-information>—Show IP-Fragments information

<get-ddos-l2tp-information>—Show l2tp traffic information

<get-ddos-gre-information>—Show GRE traffic information

---

## <get-ddos-protocols-parameters>

---

### Usage

```
<rpc>  
  <get-ddos-protocols-parameters>  
    <brief/>  
    <detail/>  
  </get-ddos-protocols-parameters>  
</rpc>
```

**Description** Show parameters for all protocols

**Contents** <brief>—Show brief output

<detail>—Show detailed output

---

## <get-ddos-protocols-statistics>

---

### Usage

```
<rpc>  
  <get-ddos-protocols-statistics>  
    <brief/>  
    <detail/>
```

```
</get-ddos-protocols-statistics>
</rpc>
```

**Description** Show statistics and states for all protocols

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-protocols-violations>

---

**Usage**

```
<rpc>
  <get-ddos-protocols-violations/>
</rpc>
```

**Description** Show summary of all protocol violations

---

### <get-ddos-ntp-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-ntp-aggregate/>
</rpc>
```

**Description** Show aggregate for all PTP traffic information

---

### <get-ddos-ntp-information>

---

**Usage**

```
<rpc>
  <get-ddos-ntp-information>
  </get-ddos-ntp-information>
</rpc>
```

**Description** Show PTP traffic information

**Contents** <get-ddos-ntp-parameters>—Show PTP protocol parameters  
<get-ddos-ntp-statistics>—Show PTP statistics and states  
<get-ddos-ntp-violations>—Show PTP traffic violations  
<get-ddos-ntp-aggregate>—Show aggregate for all PTP traffic information

## <get-ddos-ntp-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-ntp-parameters>
    <brief/>
    <detail/>
  </get-ddos-ntp-parameters>
</rpc>
```

**Description** Show NTP protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

## <get-ddos-ntp-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-ntp-statistics>
    <brief/>
    <detail/>
  </get-ddos-ntp-statistics>
</rpc>
```

**Description** Show NTP statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

## <get-ddos-ntp-violations>

---

**Usage**

```
<rpc>
  <get-ddos-ntp-violations/>
</rpc>
```

**Description** Show NTP traffic violations

## <get-ddos-pvstp-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-pvstp-aggregate/>
</rpc>
```



</rpc>

**Description** Show aggregate for all PVSTP traffic information

---

### <get-ddos-pvstp-information>

---

**Usage**

```
<rpc>
  <get-ddos-pvstp-information>
</get-ddos-pvstp-information>
</rpc>
```

**Description** Show PVSTP traffic information

**Contents** <get-ddos-pvstp-parameters>—Show PVSTP protocol parameters

<get-ddos-pvstp-statistics>—Show PVSTP statistics and states

<get-ddos-pvstp-violations>—Show PVSTP traffic violations

<get-ddos-pvstp-aggregate>—Show aggregate for all PVSTP traffic information

---

### <get-ddos-pvstp-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-pvstp-parameters>
    <brief/>
    <detail/>
  </get-ddos-pvstp-parameters>
</rpc>
```

**Description** Show PVSTP protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

---

### <get-ddos-pvstp-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-pvstp-statistics>
    <brief/>
    <detail/>
  </get-ddos-pvstp-statistics>
</rpc>
```

**Description** Show PVSTP statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-pvstp-violations>

---

**Usage**

```
<rpc>  
  <get-ddos-pvstp-violations/>  
</rpc>
```

**Description** Show PVSTP traffic violations

---

### <get-ddos-radius-account>

---

**Usage**

```
<rpc>  
  <get-ddos-radius-account/>  
</rpc>
```

**Description** Show Radius accounting traffic information

---

### <get-ddos-radius-aggregate>

---

**Usage**

```
<rpc>  
  <get-ddos-radius-aggregate/>  
</rpc>
```

**Description** Show aggregate for all Radius traffic information

---

### <get-ddos-radius-auth>

---

**Usage**

```
<rpc>  
  <get-ddos-radius-auth/>  
</rpc>
```

**Description** Show Radius authorization traffic information

## <get-ddos-radius-information>

---

**Usage**

```
<rpc>
  <get-ddos-radius-information>
</get-ddos-radius-information>
</rpc>
```

**Description** Show Radius traffic information

**Contents** <get-ddos-radius-parameters>—Show Radius protocol parameters

<get-ddos-radius-statistics>—Show Radius statistics and states

<get-ddos-radius-violations>—Show Radius traffic violations

<get-ddos-radius-aggregate>—Show aggregate for all Radius traffic information

<get-ddos-radius-server>—Show Radius server traffic information

<get-ddos-radius-account>—Show Radius accounting traffic information

<get-ddos-radius-auth>—Show Radius authorization traffic information

## <get-ddos-radius-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-radius-parameters>
    <brief/>
    <detail/>
  </get-ddos-radius-parameters>
</rpc>
```

**Description** Show Radius protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-radius-server>

---

**Usage**

```
<rpc>
  <get-ddos-radius-server/>
</rpc>
```

**Description** Show Radius server traffic information

---

### <get-ddos-radius-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-radius-statistics>
    <brief/>
    <detail/>
  </get-ddos-radius-statistics>
</rpc>
```

**Description** Show Radius statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-radius-violations>

---

**Usage**

```
<rpc>
  <get-ddos-radius-violations/>
</rpc>
```

**Description** Show Radius traffic violations

---

### <get-ddos-redirect-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-redirect-aggregate/>
</rpc>
```

**Description** Show aggregate for all packets to trigger ICMP redirect information

---

### <get-ddos-redirect-information>

---

**Usage**

```
<rpc>
  <get-ddos-redirect-information>
  </get-ddos-redirect-information>
</rpc>
```

**Description** Show packets to trigger ICMP redirect information

- Contents**    <get-ddos-redirect-parameters>—Show Redirect protocol parameters
- <get-ddos-redirect-statistics>—Show Redirect statistics and states
- <get-ddos-redirect-violations>—Show Redirect traffic violations
- <get-ddos-redirect-aggregate>—Show aggregate for all packets to trigger ICMP redirect information

---

### <get-ddos-redirect-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-redirect-parameters>
  <brief/>
  <detail/>
</get-ddos-redirect-parameters>
</rpc>
```

**Description**    Show Redirect protocol parameters

- Contents**    <brief>—Show brief output
- <detail>—Show detailed output

---

### <get-ddos-redirect-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-redirect-statistics>
  <brief/>
  <detail/>
</get-ddos-redirect-statistics>
</rpc>
```

**Description**    Show Redirect statistics and states

- Contents**    <brief>—Show brief output
- <detail>—Show detailed output

---

### <get-ddos-redirect-violations>

---

**Usage**

```
<rpc>
  <get-ddos-redirect-violations/>
</rpc>
```

**Description** Show Redirect traffic violations

---

### <get-ddos-rip-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-rip-aggregate/>
</rpc>
```

**Description** Show aggregate for all RIP traffic information

---

### <get-ddos-rip-information>

---

**Usage**

```
<rpc>
  <get-ddos-rip-information>
</get-ddos-rip-information>
</rpc>
```

**Description** Show RIP traffic information

**Contents** <get-ddos-rip-parameters>—Show RIP protocol parameters

<get-ddos-rip-statistics>—Show RIP statistics and states

<get-ddos-rip-violations>—Show RIP traffic violations

<get-ddos-rip-aggregate>—Show aggregate for all RIP traffic information

---

### <get-ddos-rip-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-rip-parameters>
    <brief/>
    <detail/>
  </get-ddos-rip-parameters>
</rpc>
```

**Description** Show RIP protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-rip-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-rip-statistics>
  <brief/>
  <detail/>
</get-ddos-rip-statistics>
</rpc>
```

**Description** Show RIP statistics and states

**Contents** <brief>—Show brief output  
            <detail>—Show detailed output

## <get-ddos-rip-violations>

---

**Usage**

```
<rpc>
  <get-ddos-rip-violations/>
</rpc>
```

**Description** Show RIP traffic violations

## <get-ddos-ripv6-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-ripv6-aggregate/>
</rpc>
```

**Description** Show aggregate for all RIPv6 traffic information

## <get-ddos-ripv6-information>

---

**Usage**

```
<rpc>
  <get-ddos-ripv6-information>
  </get-ddos-ripv6-information>
</rpc>
```

**Description** Show RIPv6 traffic information

**Contents** <get-ddos-ripv6-parameters>—Show RIPv6 protocol parameters

<get-ddos-ripv6-statistics>—Show RIPv6 statistics and states

<get-ddos-ripv6-violations>—Show RIPv6 traffic violations

<get-ddos-ripv6-aggregate>—Show aggregate for all RIPv6 traffic information

---

## <get-ddos-ripv6-parameters>

---

### Usage

```
<rpc>
  <get-ddos-ripv6-parameters>
    <brief/>
    <detail/>
  </get-ddos-ripv6-parameters>
</rpc>
```

**Description** Show RIPv6 protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

---

## <get-ddos-ripv6-statistics>

---

### Usage

```
<rpc>
  <get-ddos-ripv6-statistics>
    <brief/>
    <detail/>
  </get-ddos-ripv6-statistics>
</rpc>
```

**Description** Show RIPv6 statistics and states

**Contents** <brief>—Show brief output

<detail>—Show detailed output

---

## <get-ddos-ripv6-violations>

---

### Usage

```
<rpc>
  <get-ddos-ripv6-violations/>
</rpc>
```

**Description** Show RIPv6 traffic violations



### <get-ddos-rsvp-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-rsvp-aggregate/>
</rpc>
```

**Description** Show aggregate for all RSVP traffic information

### <get-ddos-rsvp-information>

---

**Usage**

```
<rpc>
  <get-ddos-rsvp-information>
  </get-ddos-rsvp-information>
</rpc>
```

**Description** Show RSVP traffic information

**Contents** <get-ddos-rsvp-parameters>—Show RSVP protocol parameters

<get-ddos-rsvp-statistics>—Show RSVP statistics and states

<get-ddos-rsvp-violations>—Show RSVP traffic violations

<get-ddos-rsvp-aggregate>—Show aggregate for all RSVP traffic information

### <get-ddos-rsvp-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-rsvp-parameters>
  <brief/>
  <detail/>
  </get-ddos-rsvp-parameters>
</rpc>
```

**Description** Show RSVP protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-rsvp-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-rsvp-statistics>
    <brief/>
    <detail/>
  </get-ddos-rsvp-statistics>
</rpc>
```

**Description** Show RSVP statistics and states

**Contents** <brief>—Show brief output  
            <detail>—Show detailed output

## <get-ddos-rsvp-violations>

---

**Usage**

```
<rpc>
  <get-ddos-rsvp-violations/>
</rpc>
```

**Description** Show RSVP traffic violations

## <get-ddos-rsvpv6-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-rsvpv6-aggregate/>
</rpc>
```

**Description** Show aggregate for all RSVPv6 traffic information

## <get-ddos-rsvpv6-information>

---

**Usage**

```
<rpc>
  <get-ddos-rsvpv6-information>
  </get-ddos-rsvpv6-information>
</rpc>
```

**Description** Show RSVPv6 traffic information

**Contents** <get-ddos-rsvpv6-parameters>—Show RSVPv6 protocol parameters

<get-ddos-rsvpv6-statistics>—Show RSVPv6 statistics and states

<get-ddos-rsvpv6-violations>—Show RSVPv6 traffic violations

<get-ddos-rsvpv6-aggregate>—Show aggregate for all RSVPv6 traffic information

---

## <get-ddos-rsvpv6-parameters>

---

### Usage

```
<rpc>
  <get-ddos-rsvpv6-parameters>
    <brief/>
    <detail/>
  </get-ddos-rsvpv6-parameters>
</rpc>
```

**Description** Show RSVPv6 protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

---

## <get-ddos-rsvpv6-statistics>

---

### Usage

```
<rpc>
  <get-ddos-rsvpv6-statistics>
    <brief/>
    <detail/>
  </get-ddos-rsvpv6-statistics>
</rpc>
```

**Description** Show RSVPv6 statistics and states

**Contents** <brief>—Show brief output

<detail>—Show detailed output

---

## <get-ddos-rsvpv6-violations>

---

### Usage

```
<rpc>
  <get-ddos-rsvpv6-violations/>
</rpc>
```

**Description** Show RSVPv6 traffic violations

## <get-ddos-services-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-services-aggregate/>
</rpc>
```

**Description** Show aggregate for all services information

## <get-ddos-services-information>

---

**Usage**

```
<rpc>
  <get-ddos-services-information>
  </get-ddos-services-information>
</rpc>
```

**Description** Show services information

**Contents** <get-ddos-services-parameters>—Show Services protocol parameters

<get-ddos-services-statistics>—Show Services statistics and states

<get-ddos-services-violations>—Show Services traffic violations

<get-ddos-services-aggregate>—Show aggregate for all services information

## <get-ddos-services-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-services-parameters>
  <brief/>
  <detail/>
  </get-ddos-services-parameters>
</rpc>
```

**Description** Show Services protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-services-statistics>

---

**Usage**

```
<rpc>  
  <get-ddos-services-statistics>  
    <brief/>  
    <detail/>  
  </get-ddos-services-statistics>  
</rpc>
```

**Description** Show Services statistics and states

**Contents** <brief>—Show brief output  
  
<detail>—Show detailed output

## <get-ddos-services-violations>

---

**Usage**

```
<rpc>  
  <get-ddos-services-violations/>  
</rpc>
```

**Description** Show Services traffic violations

## <get-ddos-snmp-aggregate>

---

**Usage**

```
<rpc>  
  <get-ddos-snmp-aggregate/>  
</rpc>
```

**Description** Show aggregate for all SNMP traffic information

## <get-ddos-snmp-information>

---

**Usage**

```
<rpc>  
  <get-ddos-snmp-information>  
  </get-ddos-snmp-information>  
</rpc>
```

**Description** Show SNMP traffic information

**Contents** <get-ddos-snmp-parameters>—Show SNMP protocol parameters

<get-ddos-snmp-statistics>—Show SNMP statistics and states

<get-ddos-snmp-violations>—Show SNMP traffic violations

<get-ddos-snmp-aggregate>—Show aggregate for all SNMP traffic information

---

## <get-ddos-snmp-parameters>

---

### Usage

```
<rpc>
  <get-ddos-snmp-parameters>
    <brief/>
    <detail/>
  </get-ddos-snmp-parameters>
</rpc>
```

**Description** Show SNMP protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

---

## <get-ddos-snmp-statistics>

---

### Usage

```
<rpc>
  <get-ddos-snmp-statistics>
    <brief/>
    <detail/>
  </get-ddos-snmp-statistics>
</rpc>
```

**Description** Show SNMP statistics and states

**Contents** <brief>—Show brief output

<detail>—Show detailed output

---

## <get-ddos-snmp-violations>

---

### Usage

```
<rpc>
  <get-ddos-snmp-violations/>
</rpc>
```

**Description** Show SNMP traffic violations

### <get-ddos-snmpv6-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-snmpv6-aggregate/>
</rpc>
```

**Description** Show aggregate for all SNMPv6 traffic information

### <get-ddos-snmpv6-information>

---

**Usage**

```
<rpc>
  <get-ddos-snmpv6-information>
  </get-ddos-snmpv6-information>
</rpc>
```

**Description** Show SNMPv6 traffic information

**Contents** <get-ddos-snmpv6-parameters>—Show SNMPv6 protocol parameters

<get-ddos-snmpv6-statistics>—Show SNMPv6 statistics and states

<get-ddos-snmpv6-violations>—Show SNMPv6 traffic violations

<get-ddos-snmpv6-aggregate>—Show aggregate for all SNMPv6 traffic information

### <get-ddos-snmpv6-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-snmpv6-parameters>
  <brief/>
  <detail/>
  </get-ddos-snmpv6-parameters>
</rpc>
```

**Description** Show SNMPv6 protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-snmpv6-statistics>

---

**Usage**

```
<rpc>  
  <get-ddos-snmpv6-statistics>  
    <brief/>  
    <detail/>  
  </get-ddos-snmpv6-statistics>  
</rpc>
```

**Description** Show SNMPv6 statistics and states

**Contents** <brief>—Show brief output  
  
<detail>—Show detailed output

## <get-ddos-snmpv6-violations>

---

**Usage**

```
<rpc>  
  <get-ddos-snmpv6-violations/>  
</rpc>
```

**Description** Show SNMPv6 traffic violations

## <get-ddos-ssh-aggregate>

---

**Usage**

```
<rpc>  
  <get-ddos-ssh-aggregate/>  
</rpc>
```

**Description** Show aggregate for all SSH traffic information

## <get-ddos-ssh-information>

---

**Usage**

```
<rpc>  
  <get-ddos-ssh-information>  
  </get-ddos-ssh-information>  
</rpc>
```

**Description** Show SSH traffic information

**Contents** <get-ddos-ssh-parameters>—Show SSH protocol parameters



<get-ddos-ssh-statistics>—Show SSH statistics and states

<get-ddos-ssh-violations>—Show SSH traffic violations

<get-ddos-ssh-aggregate>—Show aggregate for all SSH traffic information

## <get-ddos-ssh-parameters>

---

### Usage

```
<rpc>
  <get-ddos-ssh-parameters>
    <brief/>
    <detail/>
  </get-ddos-ssh-parameters>
</rpc>
```

**Description** Show SSH protocol parameters

**Contents** <brief>—Show brief output  
 <detail>—Show detailed output

## <get-ddos-ssh-statistics>

---

### Usage

```
<rpc>
  <get-ddos-ssh-statistics>
    <brief/>
    <detail/>
  </get-ddos-ssh-statistics>
</rpc>
```

**Description** Show SSH statistics and states

**Contents** <brief>—Show brief output  
 <detail>—Show detailed output

## <get-ddos-ssh-violations>

---

### Usage

```
<rpc>
  <get-ddos-ssh-violations/>
</rpc>
```

**Description** Show SSH traffic violations

## <get-ddos-sshv6-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-sshv6-aggregate/>
</rpc>
```

**Description** Show aggregate for all SSHv6 traffic information

## <get-ddos-sshv6-information>

---

**Usage**

```
<rpc>
  <get-ddos-sshv6-information>
  </get-ddos-sshv6-information>
</rpc>
```

**Description** Show SSHv6 traffic information

**Contents** <get-ddos-sshv6-parameters>—Show SSHv6 protocol parameters

<get-ddos-sshv6-statistics>—Show SSHv6 statistics and states

<get-ddos-sshv6-violations>—Show SSHv6 traffic violations

<get-ddos-sshv6-aggregate>—Show aggregate for all SSHv6 traffic information

## <get-ddos-sshv6-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-sshv6-parameters>
  <brief/>
  <detail/>
  </get-ddos-sshv6-parameters>
</rpc>
```

**Description** Show SSHv6 protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

### <get-ddos-sshv6-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-sshv6-statistics>
    <brief/>
    <detail/>
  </get-ddos-sshv6-statistics>
</rpc>
```

**Description** Show SSHv6 statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

### <get-ddos-sshv6-violations>

---

**Usage**

```
<rpc>
  <get-ddos-sshv6-violations/>
</rpc>
```

**Description** Show SSHv6 traffic violations

### <get-ddos-statistics-information>

---

**Usage**

```
<rpc>
  <get-ddos-statistics-information/>
</rpc>
```

**Description** Show overall statistics

### <get-ddos-stp-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-stp-aggregate/>
</rpc>
```

**Description** Show aggregate for all STP traffic information

## <get-ddos-stp-information>

---

**Usage**

```
<rpc>
  <get-ddos-stp-information>
</get-ddos-stp-information>
</rpc>
```

**Description** Show STP traffic information

**Contents** <get-ddos-stp-parameters>—Show STP protocol parameters

<get-ddos-stp-statistics>—Show STP statistics and states

<get-ddos-stp-violations>—Show STP traffic violations

<get-ddos-stp-aggregate>—Show aggregate for all STP traffic information

## <get-ddos-stp-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-stp-parameters>
    <brief/>
    <detail/>
  </get-ddos-stp-parameters>
</rpc>
```

**Description** Show STP protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-stp-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-stp-statistics>
    <brief/>
    <detail/>
  </get-ddos-stp-statistics>
</rpc>
```

**Description** Show STP statistics and states

**Contents** <brief>—Show brief output

<detail>—Show detailed output

---

### <get-ddos-stp-violations>

---

**Usage**

```
<rpc>
  <get-ddos-stp-violations/>
</rpc>
```

**Description** Show STP traffic violations

---

### <get-ddos-tacacs-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-tacacs-aggregate/>
</rpc>
```

**Description** Show aggregate for all TACACS traffic information

---

### <get-ddos-tacacs-information>

---

**Usage**

```
<rpc>
  <get-ddos-tacacs-information>
  </get-ddos-tacacs-information>
</rpc>
```

**Description** Show TACACS traffic information

**Contents**

- <get-ddos-tacacs-parameters>—Show TACACS protocol parameters
- <get-ddos-tacacs-statistics>—Show TACACS statistics and states
- <get-ddos-tacacs-violations>—Show TACACS traffic violations
- <get-ddos-tacacs-aggregate>—Show aggregate for all TACACS traffic information

---

### <get-ddos-tacacs-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-tacacs-parameters>
  <brief/>
  <detail/>
</get-ddos-tacacs-parameters>
```

```
</rpc>
```

**Description** Show TACACS protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-tacacs-statistics>

---

**Usage**

```
<rpc>  
  <get-ddos-tacacs-statistics>  
    <brief/>  
    <detail/>  
  </get-ddos-tacacs-statistics>  
</rpc>
```

**Description** Show TACACS statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-tacacs-violations>

---

**Usage**

```
<rpc>  
  <get-ddos-tacacs-violations/>  
</rpc>
```

**Description** Show TACACS traffic violations

---

### <get-ddos-tcp-flags-aggregate>

---

**Usage**

```
<rpc>  
  <get-ddos-tcp-flags-aggregate/>  
</rpc>
```

**Description** Show aggregate for all packets with tcp flags information

### <get-ddos-tcp-flags-establish>

---

**Usage**

```
<rpc>
  <get-ddos-tcp-flags-establish/>
</rpc>
```

**Description** Show Non-first packets of TCP connections (ACK | RST) information

### <get-ddos-tcp-flags-information>

---

**Usage**

```
<rpc>
  <get-ddos-tcp-flags-information>
  </get-ddos-tcp-flags-information>
</rpc>
```

**Description** Show packets with tcp flags information

**Contents** <get-ddos-tcp-flags-parameters>—Show TCP-Flags protocol parameters

<get-ddos-tcp-flags-statistics>—Show TCP-Flags statistics and states

<get-ddos-tcp-flags-violations>—Show TCP-Flags traffic violations

<get-ddos-tcp-flags-aggregate>—Show aggregate for all packets with tcp flags information

<get-ddos-tcp-flags-unclass>—Show unclassified packets with tcp flags information

<get-ddos-tcp-flags-initial>—Show First packets of TCP connections (SYN & !ACK) information

<get-ddos-tcp-flags-establish>—Show Non-first packets of TCP connections (ACK | RST) information

### <get-ddos-tcp-flags-initial>

---

**Usage**

```
<rpc>
  <get-ddos-tcp-flags-initial/>
</rpc>
```

**Description** Show First packets of TCP connections (SYN & !ACK) information

## <get-ddos-tcp-flags-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-tcp-flags-parameters>
  <brief/>
  <detail/>
</get-ddos-tcp-flags-parameters>
</rpc>
```

**Description** Show TCP-Flags protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

## <get-ddos-tcp-flags-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-tcp-flags-statistics>
  <brief/>
  <detail/>
</get-ddos-tcp-flags-statistics>
</rpc>
```

**Description** Show TCP-Flags statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

## <get-ddos-tcp-flags-unclass>

---

**Usage**

```
<rpc>
  <get-ddos-tcp-flags-unclass/>
</rpc>
```

**Description** Show unclassified packets with tcp flags information

## <get-ddos-tcp-flags-violations>

---

**Usage**

```
<rpc>
  <get-ddos-tcp-flags-violations/>
```



```
</rpc>
```

**Description** Show TCP-Flags traffic violations

### <get-ddos-telnet-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-telnet-aggregate/>
</rpc>
```

**Description** Show aggregate for all telnet traffic information

### <get-ddos-telnet-information>

---

**Usage**

```
<rpc>
  <get-ddos-telnet-information>
  </get-ddos-telnet-information>
</rpc>
```

**Description** Show telnet traffic information

**Contents** <get-ddos-telnet-parameters>—Show Telnet protocol parameters

<get-ddos-telnet-statistics>—Show Telnet statistics and states

<get-ddos-telnet-violations>—Show Telnet traffic violations

<get-ddos-telnet-aggregate>—Show aggregate for all telnet traffic information

### <get-ddos-telnet-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-telnet-parameters>
  <brief/>
  <detail/>
  </get-ddos-telnet-parameters>
</rpc>
```

**Description** Show Telnet protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-telnet-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-telnet-statistics>
    <brief/>
    <detail/>
  </get-ddos-telnet-statistics>
</rpc>
```

**Description** Show Telnet statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

## <get-ddos-telnet-violations>

---

**Usage**

```
<rpc>
  <get-ddos-telnet-violations/>
</rpc>
```

**Description** Show Telnet traffic violations

## <get-ddos-telnetv6-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-telnetv6-aggregate/>
</rpc>
```

**Description** Show aggregate for all telnet-v6 traffic information

## <get-ddos-telnetv6-information>

---

**Usage**

```
<rpc>
  <get-ddos-telnetv6-information>
  </get-ddos-telnetv6-information>
</rpc>
```

**Description** Show telnet-v6 traffic information

**Contents** <get-ddos-telnetv6-parameters>—Show Telnetv6 protocol parameters

<get-ddos-telnetv6-statistics>—Show Telnetv6 statistics and states

<get-ddos-telnetv6-violations>—Show Telnetv6 traffic violations

<get-ddos-telnetv6-aggregate>—Show aggregate for all telnet-v6 traffic information

---

## <get-ddos-telnetv6-parameters>

---

### Usage

```
<rpc>
  <get-ddos-telnetv6-parameters>
    <brief/>
    <detail/>
  </get-ddos-telnetv6-parameters>
</rpc>
```

**Description** Show Telnetv6 protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

---

## <get-ddos-telnetv6-statistics>

---

### Usage

```
<rpc>
  <get-ddos-telnetv6-statistics>
    <brief/>
    <detail/>
  </get-ddos-telnetv6-statistics>
</rpc>
```

**Description** Show Telnetv6 statistics and states

**Contents** <brief>—Show brief output

<detail>—Show detailed output

---

## <get-ddos-telnetv6-violations>

---

### Usage

```
<rpc>
  <get-ddos-telnetv6-violations/>
</rpc>
```

**Description** Show Telnetv6 traffic violations

## <get-ddos-ttl-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-ttl-aggregate/>
</rpc>
```

**Description** Show aggregate for all ttl traffic information

## <get-ddos-ttl-information>

---

**Usage**

```
<rpc>
  <get-ddos-ttl-information>
</get-ddos-ttl-information>
</rpc>
```

**Description** Show ttl traffic information

**Contents** <get-ddos-ttl-parameters>—Show TTL protocol parameters

<get-ddos-ttl-statistics>—Show TTL statistics and states

<get-ddos-ttl-violations>—Show TTL traffic violations

<get-ddos-ttl-aggregate>—Show aggregate for all ttl traffic information

## <get-ddos-ttl-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-ttl-parameters>
    <brief/>
    <detail/>
  </get-ddos-ttl-parameters>
</rpc>
```

**Description** Show TTL protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

## <get-ddos-ttl-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-ttl-statistics>
    <brief/>
    <detail/>
  </get-ddos-ttl-statistics>
</rpc>
```

**Description** Show TTL statistics and states

**Contents** <brief>—Show brief output  
            <detail>—Show detailed output

## <get-ddos-ttl-violations>

---

**Usage**

```
<rpc>
  <get-ddos-ttl-violations/>
</rpc>
```

**Description** Show TTL traffic violations

## <get-ddos-tun-frag-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-tun-frag-aggregate/>
</rpc>
```

**Description** Show aggregate for all tunnel fragment information

## <get-ddos-tun-frag-information>

---

**Usage**

```
<rpc>
  <get-ddos-tun-frag-information>
  </get-ddos-tun-frag-information>
</rpc>
```

**Description** Show tunnel fragment information

**Contents** <get-ddos-tun-frag-parameters>—Show Tunnel-Fragment protocol parameters

- <get-ddos-tun-frag-statistics>—Show Tunnel-Fragment statistics and states
- <get-ddos-tun-frag-violations>—Show Tunnel-Fragment traffic violations
- <get-ddos-tun-frag-aggregate>—Show aggregate for all tunnel fragment information

---

## <get-ddos-tun-frag-parameters>

---

### Usage

```
<rpc>  
  <get-ddos-tun-frag-parameters>  
    <brief/>  
    <detail/>  
  </get-ddos-tun-frag-parameters>  
</rpc>
```

**Description** Show Tunnel-Fragment protocol parameters

**Contents** <brief>—Show brief output  
  
<detail>—Show detailed output

---

## <get-ddos-tun-frag-statistics>

---

### Usage

```
<rpc>  
  <get-ddos-tun-frag-statistics>  
    <brief/>  
    <detail/>  
  </get-ddos-tun-frag-statistics>  
</rpc>
```

**Description** Show Tunnel-Fragment statistics and states

**Contents** <brief>—Show brief output  
  
<detail>—Show detailed output

---

## <get-ddos-tun-frag-violations>

---

### Usage

```
<rpc>  
  <get-ddos-tun-frag-violations/>  
</rpc>
```

**Description** Show Tunnel-Fragment traffic violations

---

### <get-ddos-vchassis-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-vchassis-aggregate/>
</rpc>
```

**Description** Show aggregate for all virtual chassis traffic information

---

### <get-ddos-vchassis-control-hi>

---

**Usage**

```
<rpc>
  <get-ddos-vchassis-control-hi/>
</rpc>
```

**Description** Show high priority control traffic information

---

### <get-ddos-vchassis-control-lo>

---

**Usage**

```
<rpc>
  <get-ddos-vchassis-control-lo/>
</rpc>
```

**Description** Show low priority control traffic information

---

### <get-ddos-vchassis-information>

---

**Usage**

```
<rpc>
  <get-ddos-vchassis-information>
</get-ddos-vchassis-information>
</rpc>
```

**Description** Show virtual chassis traffic information

**Contents**

- <get-ddos-vchassis-parameters>—Show Virtual-Chassis protocol parameters
- <get-ddos-vchassis-statistics>—Show Virtual-Chassis statistics and states
- <get-ddos-vchassis-violations>—Show Virtual-Chassis traffic violations
- <get-ddos-vchassis-aggregate>—Show aggregate for all virtual chassis traffic information
- <get-ddos-vchassis-unclass>—Show unclassified virtual chassis traffic information

<get-ddos-vchassis-control-hi>—Show high priority control traffic information

<get-ddos-vchassis-control-lo>—Show low priority control traffic information

<get-ddos-vchassis-vc-packets>—Show all exception packets on vc link information

<get-ddos-vchassis-vc-ttl-err>—Show ttl errors information

---

## <get-ddos-vchassis-parameters>

---

### Usage

```
<rpc>
  <get-ddos-vchassis-parameters>
  <brief/>
  <detail/>
</get-ddos-vchassis-parameters>
</rpc>
```

**Description** Show Virtual-Chassis protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

## <get-ddos-vchassis-statistics>

---

### Usage

```
<rpc>
  <get-ddos-vchassis-statistics>
  <brief/>
  <detail/>
</get-ddos-vchassis-statistics>
</rpc>
```

**Description** Show Virtual-Chassis statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

## <get-ddos-vchassis-unclass>

---

### Usage

```
<rpc>
  <get-ddos-vchassis-unclass/>
</rpc>
```



**Description** Show unclassified virtual chassis traffic information

---

### <get-ddos-vchassis-vc-packets>

---

**Usage**

```
<rpc>
  <get-ddos-vchassis-vc-packets/>
</rpc>
```

**Description** Show all exception packets on vc link information

---

### <get-ddos-vchassis-vc-ttl-err>

---

**Usage**

```
<rpc>
  <get-ddos-vchassis-vc-ttl-err/>
</rpc>
```

**Description** Show ttl errors information

---

### <get-ddos-vchassis-violations>

---

**Usage**

```
<rpc>
  <get-ddos-vchassis-violations/>
</rpc>
```

**Description** Show Virtual-Chassis traffic violations

---

### <get-ddos-version>

---

**Usage**

```
<rpc>
  <get-ddos-version/>
</rpc>
```

**Description** Show version

---

### <get-ddos-vrrp-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-vrrp-aggregate/>
</rpc>
```

**Description** Show aggregate for all VRRP traffic information

### <get-ddos-vrrp-information>

---

**Usage**

```
<rpc>
  <get-ddos-vrrp-information>
</get-ddos-vrrp-information>
</rpc>
```

**Description** Show VRRP traffic information

**Contents** <get-ddos-vrrp-parameters>—Show VRRP protocol parameters

<get-ddos-vrrp-statistics>—Show VRRP statistics and states

<get-ddos-vrrp-violations>—Show VRRP traffic violations

<get-ddos-vrrp-aggregate>—Show aggregate for all VRRP traffic information

### <get-ddos-vrrp-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-vrrp-parameters>
    <brief/>
    <detail/>
  </get-ddos-vrrp-parameters>
</rpc>
```

**Description** Show VRRP protocol parameters

**Contents** <brief>—Show brief output

<detail>—Show detailed output

### <get-ddos-vrrp-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-vrrp-statistics>
    <brief/>
    <detail/>
  </get-ddos-vrrp-statistics>
</rpc>
```

**Description** Show VRRP statistics and states

**Contents**    <brief>—Show brief output  
                 <detail>—Show detailed output

---

### <get-ddos-vrrp-violations>

---

**Usage**

```
<rpc>
  <get-ddos-vrrp-violations/>
</rpc>
```

**Description**    Show VRRP traffic violations

---

### <get-ddos-vrrpv6-aggregate>

---

**Usage**

```
<rpc>
  <get-ddos-vrrpv6-aggregate/>
</rpc>
```

**Description**    Show aggregate for all VRRPv6 traffic information

---

### <get-ddos-vrrpv6-information>

---

**Usage**

```
<rpc>
  <get-ddos-vrrpv6-information>
  </get-ddos-vrrpv6-information>
</rpc>
```

**Description**    Show VRRPv6 traffic information

**Contents**    <get-ddos-vrrpv6-parameters>—Show VRRPv6 protocol parameters  
                 <get-ddos-vrrpv6-statistics>—Show VRRPv6 statistics and states  
                 <get-ddos-vrrpv6-violations>—Show VRRPv6 traffic violations  
                 <get-ddos-vrrpv6-aggregate>—Show aggregate for all VRRPv6 traffic information

---

### <get-ddos-vrrpv6-parameters>

---

**Usage**

```
<rpc>
  <get-ddos-vrrpv6-parameters>
  <brief/>
  <detail/>
```

```
</get-ddos-vrrpv6-parameters>
</rpc>
```

**Description** Show VRRPv6 protocol parameters

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-vrrpv6-statistics>

---

**Usage**

```
<rpc>
  <get-ddos-vrrpv6-statistics>
    <brief/>
    <detail/>
  </get-ddos-vrrpv6-statistics>
</rpc>
```

**Description** Show VRRPv6 statistics and states

**Contents** <brief>—Show brief output  
<detail>—Show detailed output

---

### <get-ddos-vrrpv6-violations>

---

**Usage**

```
<rpc>
  <get-ddos-vrrpv6-violations/>
</rpc>
```

**Description** Show VRRPv6 traffic violations

---

### <get-destination-class-statistics>

---

**Usage**

```
<rpc>
  <get-destination-class-statistics>
    <class-name>class-name</class-name> <!-- mandatory -->
    <interface-name>interface-name</interface-name>
  </get-destination-class-statistics>
</rpc>
```

**Description** Show statistics for destination class

**Contents** <all>—Display all destination class usage

<class-name>—Name of destination class

<interface-name>—Name of logical interface

## <get-dhcp-relay-binding-information>

---

### Usage

```
<rpc>
  <get-dhcp-relay-binding-information>
    <brief/>
    <detail/>
    <summary/>
    <address>address</address>
    <routing-instance>routing-instance</routing-instance>
    <bridge-domain>bridge-domain</bridge-domain>
    <logical-system>logical-system</logical-system>
  </get-dhcp-relay-binding-information>
</rpc>
```

**Description** Show DHCP relay client binding information

**Contents** <brief>—Display brief information

<detail>—Display detailed information

<summary>—Display summary information

<address>—IP address or MAC address or Session Id of DHCP client binding

<interface>—Name of interface on which to show bindings

<routing-instance>—Name of routing instance

<bridge-domain>—Name of bridge domain

<logical-system>—Name of logical system

## <get-dhcp-relay-statistics-information>

---

### Usage

```
<rpc>
  <get-dhcp-relay-statistics-information>
    <routing-instance>routing-instance</routing-instance>
    <bridge-domain>bridge-domain</bridge-domain>
    <logical-system>logical-system</logical-system>
  </get-dhcp-relay-statistics-information>
</rpc>
```

**Description** Show DHCP statistics

**Contents** <routing-instance>—Name of routing instance  
<bridge-domain>—Name of bridge domain  
<logical-system>—Name of logical system

---

## <get-dhcp-server-binding-information>

### Usage

```
<rpc>  
  <get-dhcp-server-binding-information>  
    <brief/>  
    <detail/>  
    <summary/>  
    <address>address</address>  
    <routing-instance>routing-instance</routing-instance>  
    <logical-system>logical-system</logical-system>  
  </get-dhcp-server-binding-information>  
</rpc>
```

**Description** Show DHCP server client binding information

**Contents** <brief>—Display brief information  
<detail>—Display detailed information  
<summary>—Display summary information  
<address>—IP address or MAC address or Session Id of DHCP client binding  
<interface>—Name of interface on which to show bindings  
<routing-instance>—Name of routing instance  
<logical-system>—Name of logical system

---

## <get-dhcp-server-statistics-information>

### Usage

```
<rpc>  
  <get-dhcp-server-statistics-information>  
    <routing-instance>routing-instance</routing-instance>  
    <logical-system>logical-system</logical-system>  
  </get-dhcp-server-statistics-information>  
</rpc>
```

**Description** Show DHCP server statistics

**Contents** <routing-instance>—Name of routing instance  
 <logical-system>—Name of logical system

## <get-dhcp-service-statistics-information>

### Usage

```
<rpc>
  <get-dhcp-service-statistics-information>
    <interface>interface</interface>
  </get-dhcp-service-statistics-information>
</rpc>
```

**Description** Show DHCP service statistics

**Contents** <interface>—Name of interface

## <get-dhcp-user-aaa-test-result>

### Usage

```
<rpc>
  <get-dhcp-user-aaa-test-result>
    <user>user</user> <!-- mandatory -->
    <password>password</password>
    <profile>profile</profile>
    <logical-system>logical-system</logical-system>
    <routing-instance>routing-instance</routing-instance>
    <mac-address>mac-address</mac-address>
    <option-82>option-82</option-82>
    <source-address>source-address</source-address>
    <terminate-code>terminate-code</terminate-code>
  </get-dhcp-user-aaa-test-result>
</rpc>
```

**Description** Test the aaa servers for a dhcp user

**Contents** <user>—The username to test

- username - The username to test
- access-profile-name - Specify the access profile name which to use for user
- logical-system-name - Specify the logical-system in which to authenticate user
- routing-instance-name - Specify the routing-instance in which to authenticate use
- client-request - Terminated-id with default mapping to 1
- lost-carrier - Terminated-id with default mapping to 2
- nak - Terminated-id with default mapping to 15

- nas-logout - Terminated-id with default mapping to 10
- no-offers - Terminated-id with default mapping to 4

<password>—The password associated with username

- access-profile-name - Specify the access profile name which to use for user
- logical-system-name - Specify the logical-system in which to authenticate user
- routing-instance-name - Specify the routing-instance in which to authenticate use
- client-request - Terminated-id with default mapping to 1
- lost-carrier - Terminated-id with default mapping to 2
- nak - Terminated-id with default mapping to 15
- nas-logout - Terminated-id with default mapping to 10
- no-offers - Terminated-id with default mapping to 4

<profile>—Specify the access profile name which to use for user

- access-profile-name - Specify the access profile name which to use for user
- logical-system-name - Specify the logical-system in which to authenticate user
- routing-instance-name - Specify the routing-instance in which to authenticate use
- client-request - Terminated-id with default mapping to 1
- lost-carrier - Terminated-id with default mapping to 2
- nak - Terminated-id with default mapping to 15
- nas-logout - Terminated-id with default mapping to 10
- no-offers - Terminated-id with default mapping to 4

<logical-system>—Specify the logical-system in which to authenticate user

- logical-system-name - Specify the logical-system in which to authenticate user
- routing-instance-name - Specify the routing-instance in which to authenticate use
- client-request - Terminated-id with default mapping to 1
- lost-carrier - Terminated-id with default mapping to 2
- nak - Terminated-id with default mapping to 15
- nas-logout - Terminated-id with default mapping to 10
- no-offers - Terminated-id with default mapping to 4

<routing-instance>—Specify the routing-instance in which to authenticate user



- routing-instance-name - Specify the routing-instance in which to authenticate use
- client-request - Terminated-id with default mapping to 1
- lost-carrier - Terminated-id with default mapping to 2
- nak - Terminated-id with default mapping to 15
- nas-logout - Terminated-id with default mapping to 10
- no-offers - Terminated-id with default mapping to 4

<mac-address>—Specify the Mac address of the DHCP client

- client-request - Terminated-id with default mapping to 1
- lost-carrier - Terminated-id with default mapping to 2
- nak - Terminated-id with default mapping to 15
- nas-logout - Terminated-id with default mapping to 10
- no-offers - Terminated-id with default mapping to 4

<option-82>—Specify the DHCP option 82

- client-request - Terminated-id with default mapping to 1
- lost-carrier - Terminated-id with default mapping to 2
- nak - Terminated-id with default mapping to 15
- nas-logout - Terminated-id with default mapping to 10
- no-offers - Terminated-id with default mapping to 4

<source-address>—Use specified address as source address

- client-request - Terminated-id with default mapping to 1
- lost-carrier - Terminated-id with default mapping to 2
- nak - Terminated-id with default mapping to 15
- nas-logout - Terminated-id with default mapping to 10
- no-offers - Terminated-id with default mapping to 4

<terminate-code>—Specify DHCP terminate-code

- client-request - Terminated-id with default mapping to 1
- lost-carrier - Terminated-id with default mapping to 2
- nak - Terminated-id with default mapping to 15
- nas-logout - Terminated-id with default mapping to 10
- no-offers - Terminated-id with default mapping to 4

## <get-dhcpv6-relay-binding-information>

---

### Usage

```
<rpc>
  <get-dhcpv6-relay-binding-information>
    <brief/>
    <detail/>
    <summary/>
    <address>address</address>
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </get-dhcpv6-relay-binding-information>
</rpc>
```

**Description** Show DHCPv6 relay client binding information

**Contents** <brief>—Display brief information

<detail>—Display detailed information

<summary>—Display summary information

<address>—IPv6 Prefix or session-id or CID <cid-len/0x.../0x...> of DHCPv6 client binding

<interface>—Name of interface on which to show bindings

<routing-instance>—Name of routing instance

<logical-system>—Name of logical system

## <get-dhcpv6-relay-statistics-information>

---

### Usage

```
<rpc>
  <get-dhcpv6-relay-statistics-information>
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </get-dhcpv6-relay-statistics-information>
</rpc>
```

**Description** Show DHCPv6 relay statistics

**Contents** <routing-instance>—Name of routing instance

<logical-system>—Name of logical system

## <get-dhcpv6-server-binding-information>

### Usage

```

<rpc>
  <get-dhcpv6-server-binding-information>
  <brief/>
  <detail/>
  <summary/>
  <address>address</address>
  <routing-instance>routing-instance</routing-instance>
  <logical-system>logical-system</logical-system>
</get-dhcpv6-server-binding-information>
</rpc>

```

**Description** Show DHCPv6 server client binding information

**Contents**

- <brief>—Display brief information
- <detail>—Display detailed information
- <summary>—Display summary information
- <address>—IPv6 Prefix or session-id or CID <cid-len/0x.../0x...> of DHCPv6 client binding
- <interface>—Name of interface on which to show bindings
- <routing-instance>—Name of routing instance
- <logical-system>—Name of logical system

## <get-dhcpv6-server-statistics-information>

### Usage

```

<rpc>
  <get-dhcpv6-server-statistics-information>
  <routing-instance>routing-instance</routing-instance>
  <logical-system>logical-system</logical-system>
</get-dhcpv6-server-statistics-information>
</rpc>

```

**Description** Show DHCPv6 server statistics

**Contents**

- <routing-instance>—Name of routing instance
- <logical-system>—Name of logical system

## <get-dhcpv6-service-statistics-information>

---

**Usage**

```
<rpc>
  <get-dhcpv6-service-statistics-information>
    <interface>interface</interface>
  </get-dhcpv6-service-statistics-information>
</rpc>
```

**Description** Show DHCPv6 service statistics

**Contents** <interface>—Name of interface

## <get-diameter-function-information>

---

**Usage**

```
<rpc>
  <get-diameter-function-information>
    <summary/>
    <brief/>
    <detail/>
    <jsrc/>
    <charging-gw/>
    <packet-triggered-subscribers/>
    <gx-plus/>
  </get-diameter-function-information>
</rpc>
```

**Description** Show diameter function information

**Contents** <summary>—Display summary output (default)

<brief>—Display brief output

<detail>—Display detailed output

<jsrc>—Function to use SRC application

<charging-gw>—Function to use CHARGING application

<packet-triggered-subscribers>—Function to use PACKET-TRIGGERED-SUBSCRIBERS application

<gx-plus>—Function to use GX-PLUS application

<get-diameter-function-statistics>—Show diameter function statistics

## <get-diameter-function-statistics>

### Usage

```

<rpc>
  <get-diameter-function-statistics>
    <summary/>
    <brief/>
    <detail/>
    <jsrc/>
    <charging-gw/>
    <packet-triggered-subscribers/>
    <gx-plus/>
  </get-diameter-function-statistics>
</rpc>

```

**Description** Show diameter function statistics

**Contents**

- <summary>—Display summary output (default)
- <brief>—Display brief output
- <detail>—Display detailed output
- <jsrc>—Function to use SRC application
- <charging-gw>—Function to use CHARGING application
- <packet-triggered-subscribers>—Function to use PACKET-TRIGGERED-SUBSCRIBERS application
- <gx-plus>—Function to use GX-PLUS application

## <get-diameter-information>

### Usage

```

<rpc>
  <get-diameter-information>
    <summary/>
    <brief/>
    <detail/>
  </get-diameter-information>
</rpc>

```

**Description** Show diameter information

**Contents**

- <summary>—Display summary output (default)
- <brief>—Display brief output
- <detail>—Display detailed output

<get-diameter-function-information>—Show diameter function information

<get-diameter-instance-information>—Show diameter instance information

<get-diameter-network-element-information>—Show diameter network-element information

<get-diameter-route-information>—Show diameter route information

<get-diameter-peer-information>—Show diameter peer information

---

## <get-diameter-instance-information>

---

### Usage

```
<rpc>
  <get-diameter-instance-information>
    <summary/>
    <brief/>
    <detail/>
    <instance-name>instance-name</instance-name>
  </get-diameter-instance-information>
</rpc>
```

**Description** Show diameter instance information

**Contents** <summary>—Display summary output(default)

<brief>—Display brief output

<detail>—Display detailed output

<instance-name>—Instance name

---

## <get-diameter-network-element-information>

---

### Usage

```
<rpc>
  <get-diameter-network-element-information>
    <summary/>
    <brief/>
    <detail/>
    <network-element-name>network-element-name</network-element-name>
  </get-diameter-network-element-information>
</rpc>
```

**Description** Show diameter network-element information

**Contents** <summary>—Display summary output(default)

<brief>—Display brief output

<detail>—Display detailed output

<network-element-name>—Network-element name

<get-diameter-network-element-map-information>—Show diameter network-element map to peers

## <get-diameter-network-element-map-information>

### Usage

```
<rpc>
  <get-diameter-network-element-map-information>
  <summary/>
  <brief/>
  <detail/>

  <network-element-map-name>network-element-map-name</network-element-map-name>

  </get-diameter-network-element-map-information>
</rpc>
```

**Description** Show diameter network-element map to peers

**Contents** <summary>—Display summary output (default)

<brief>—Display brief output

<detail>—Display detailed output

<network-element-map-name>—Network-element name

## <get-diameter-peer-information>

### Usage

```
<rpc>
  <get-diameter-peer-information>
  <summary/>
  <brief/>
  <detail/>
  <peer-name>peer-name</peer-name>
  </get-diameter-peer-information>
</rpc>
```

**Description** Show diameter peer information

**Contents** <summary>—Display summary output (default)

<brief>—Display brief output

<detail>—Display detailed output

<peer-name>—Peer name

<get-diameter-peer-map-information>—Show diameter peer mapping to network-elements

<get-diameter-peer-statistics>—Show diameter peer statistics

---

## <get-diameter-peer-map-information>

---

### Usage

```
<rpc>
  <get-diameter-peer-map-information>
    <summary/>
    <brief/>
    <detail/>
    <peer-map-name>peer-map-name</peer-map-name>
  </get-diameter-peer-map-information>
</rpc>
```

**Description** Show diameter peer mapping to network-elements

**Contents** <summary>—Display summary output (default)

<brief>—Display brief output

<detail>—Display detailed output

<peer-map-name>—Peer name

---

## <get-diameter-peer-statistics>

---

### Usage

```
<rpc>
  <get-diameter-peer-statistics>
    <summary/>
    <brief/>
    <detail/>
    <peer-statistics-name>peer-statistics-name</peer-statistics-name>
  </get-diameter-peer-statistics>
</rpc>
```

**Description** Show diameter peer statistics

**Contents** <summary>—Display summary output (default)

<brief>—Display brief output

<detail>—Display detailed output

<peer-statistics-name>—Peer name



## <get-diameter-route-information>

---

**Usage**

```

<rpc>
  <get-diameter-route-information>
    <summary/>
    <brief/>
    <detail/>
    <route-name>route-name</route-name>
  </get-diameter-route-information>
</rpc>

```

**Description** Show diameter route information

**Contents** <summary>—Display summary output (default)

<brief>—Display brief output

<detail>—Display detailed output

<route-name>—Route name

## <get-directory-usage-information>

---

**Usage**

```

<rpc>
  <get-directory-usage-information>
    <path>path</path>
    <depth>depth</depth>
  </get-directory-usage-information>
</rpc>

```

**Description** Show local directory information

**Contents** <path>—Path of root directory to traverse

<depth>—Depth of directories to traverse

## <get-domain-map-statistics>

---

**Usage**

```

<rpc>
  <get-domain-map-statistics/>
</rpc>

```

**Description** Domain-map module statistics

## <get-dvmrp-interfaces-information>

---

**Usage**

```
<rpc>
  <get-dvmrp-interfaces-information>
    <logical-system>logical-system</logical-system>
  </get-dvmrp-interfaces-information>
</rpc>
```

**Description** Show DVMRP interfaces

**Contents** <logical-system>—Name of logical system, or 'all'

## <get-dvmrp-neighbors-information>

---

**Usage**

```
<rpc>
  <get-dvmrp-neighbors-information>
    <logical-system>logical-system</logical-system>
  </get-dvmrp-neighbors-information>
</rpc>
```

**Description** Show DVMRP neighbors

**Contents** <logical-system>—Name of logical system, or 'all'

## <get-dvmrp-prefix-information>

---

**Usage**

```
<rpc>
  <get-dvmrp-prefix-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <prefix>prefix</prefix>
  </get-dvmrp-prefix-information>
</rpc>
```

**Description** Show DVMRP prefixes

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

<prefix>—DVMRP prefix

## <get-dvmrp-prunes-information>

---

**Usage**

```
<rpc>
  <get-dvmrp-prunes-information>
    <logical-system>logical-system</logical-system>
    <all/>
    <rx/>
    <tx/>
  </get-dvmrp-prunes-information>
</rpc>
```

**Description** Show DVMRP prunes

**Contents** <logical-system>—Name of logical system, or 'all'

<all>—Display both received and transmitted prunes

<rx>—Display received prunes

<tx>—Display transmitted prunes

## <get-elmi-information>

---

**Usage**

```
<rpc>
  <get-elmi-information>
    <interface>interface</interface>
  </get-elmi-information>
</rpc>
```

**Description** Show ethernet local management information

**Contents** <interface>—Name of interface

<get-elmi-statistics>—Show ethernet local management statistics

## <get-elmi-statistics>

---

**Usage**

```
<rpc>
  <get-elmi-statistics>
    <interface>interface</interface>
  </get-elmi-statistics>
</rpc>
```

**Description** Show ethernet local management statistics

**Contents** <interface>—Name of interface

## <get-environment-cb-information>

---

**Usage**

```
<rpc>
  <get-environment-cb-information>
    <interconnect-device>interconnect-device</interconnect-device> <!-- mandatory
-->
    <slot>slot</slot>
  </get-environment-cb-information>
</rpc>
```

**Description** Show Control Board information

**Contents** <interconnect-device>—Interconnect device identifier

<slot>—CB slot number

## <get-environment-cip-information>

---

**Usage**

```
<rpc>
  <get-environment-cip-information>
    <slot>slot</slot>
  </get-environment-cip-information>
</rpc>
```

**Description** Show Connector Interface Panel Information

**Contents** <slot>—CIP slot number

## <get-environment-feb-information>

---

**Usage**

```
<rpc>
  <get-environment-feb-information>
    <slot>slot</slot>
  </get-environment-feb-information>
</rpc>
```

**Description** Show Forwarding Engine Board information

**Contents** <slot>—FEB slot number

## <get-environment-fpc-information>

### Usage

```

<rpc>
  <get-environment-fpc-information>
    <interconnect-device>interconnect-device</interconnect-device> <!-- mandatory
-->
    <fpc-slot>fpc-slot</fpc-slot>
  </get-environment-fpc-information>
</rpc>

```

**Description** Show Flexible PIC Concentrator information

**Contents** <interconnect-device>—Interconnect device identifier

<fpc-slot>—FPC slot number

## <get-environment-fpm-information>

### Usage

```

<rpc>
  <get-environment-fpm-information/>
</rpc>

```

**Description** Show craft interface information

## <get-environment-information>

### Usage

```

<rpc>
  <get-environment-information>
  </get-environment-information>
</rpc>

```

**Description** Show component status and temperature, cooling system speeds

**Contents** <get-environment-sib-information>—Show Switch Interface Board information

<get-environment-fpc-information>—Show Flexible PIC Concentrator information

<get-environment-fpm-information>—Show craft interface information

<get-environment-mcs-information>—Show Miscellaneous Control Subsystem information

<get-environment-pcg-information>—Show Packet Forwarding Engine Clock Generator information

<get-environment-scg-information>—Show SONET Clock Generator information

<get-environment-cb-information>—Show Control Board information

<get-environment-psu-information>—Show Power Supply Unit information

<get-environment-power-supply-unit-information>—Show power supply unit information

<get-environment-pem-information>—Show Power Entry Module information

<get-environment-re-information>—Show Routing Engine information

<get-environment-sfm-information>—Show Switching and Forwarding Module information

<get-environment-feb-information>—Show Forwarding Engine Board information

<get-environment-cip-information>—Show Connector Interface Panel Information

## <get-environment-mcs-information>

---

### Usage

```
<rpc>
  <get-environment-mcs-information>
    <slot>slot</slot>
  </get-environment-mcs-information>
</rpc>
```

**Description** Show Miscellaneous Control Subsystem information

**Contents** <slot>—MCS slot number

## <get-environment-pcg-information>

---

### Usage

```
<rpc>
  <get-environment-pcg-information>
    <slot>slot</slot>
  </get-environment-pcg-information>
</rpc>
```

**Description** Show Packet Forwarding Engine Clock Generator information

**Contents** <slot>—PCG slot number

## <get-environment-pem-information>

---

### Usage

```
<rpc>
  <get-environment-pem-information>
```

```

    <slot>slot</slot>
  </get-environment-pem-information>
</rpc>

```

**Description** Show Power Entry Module information

**Contents** <slot>—PEM slot number

---

### <get-environment-power-supply-unit-information>

---

**Usage**

```

<rpc>
  <get-environment-power-supply-unit-information>
    <slot>slot</slot>
  </get-environment-power-supply-unit-information>
</rpc>

```

**Description** Show power supply unit information

**Contents** <slot>—FPC slot number

---

### <get-environment-psu-information>

---

**Usage**

```

<rpc>
  <get-environment-psu-information>
    <slot>slot</slot>
  </get-environment-psu-information>
</rpc>

```

**Description** Show Power Supply Unit information

**Contents** <slot>—PSU slot number

---

### <get-environment-re-information>

---

**Usage**

```

<rpc>
  <get-environment-re-information>
    <interconnect-device>interconnect-device</interconnect-device> <!-- mandatory
-->
    <slot>slot</slot>
  </get-environment-re-information>
</rpc>

```

**Description** Show Routing Engine information

**Contents**    <interconnect-device>—Interconnect device identifier  
                  <slot>—Routing Engine slot number

## <get-environment-scg-information>

---

### Usage

```
<rpc>
  <get-environment-scg-information>
    <slot>slot</slot>
  </get-environment-scg-information>
</rpc>
```

**Description**    Show SONET Clock Generator information

**Contents**    <slot>—SCG slot number

## <get-environment-sfm-information>

---

### Usage

```
<rpc>
  <get-environment-sfm-information>
    <sfm_plane>sfm_plane</sfm_plane>
  </get-environment-sfm-information>
</rpc>
```

**Description**    Show Switching and Forwarding Module information

**Contents**    <sfm\_plane>—SFM slot number

## <get-environment-sib-information>

---

### Usage

```
<rpc>
  <get-environment-sib-information>
    <sib-slot>sib-slot</sib-slot>
  </get-environment-sib-information>
</rpc>
```

**Description**    Show Switch Interface Board information

**Contents**    <f13>—Show SIB F13 information  
                  <f2s>—Show SIB F2S information  
                  <sib-slot>—SIB slot number



## <get-esis-adjacency-information>

### Usage

```

<rpc>
  <get-esis-adjacency-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <extensive/>
    <instance>instance</instance>
    <esis-neighbor-id>esis-neighbor-id</esis-neighbor-id>
  </get-esis-adjacency-information>
</rpc>

```

**Description** Show ES-IS adjacency database

**Contents**

- <logical-system>—Name of logical system, or 'all'
- <brief>—Display brief output (default)
- <detail>—Display detailed output
- <extensive>—Display extensive output
- <instance>—Name of ES-IS instance
- <esis-neighbor-id>—NSAP/NET of end system

## <get-esis-interface-information>

### Usage

```

<rpc>
  <get-esis-interface-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <extensive/>
    <instance>instance</instance>
    <interface-name>interface-name</interface-name>
  </get-esis-interface-information>
</rpc>

```

**Description** Show ES-IS interface information

**Contents**

- <logical-system>—Name of logical system, or 'all'
- <brief>—Display brief output (default)
- <detail>—Display detailed output

<extensive>—Display extensive output

<instance>—Name of ES-IS instance

<interface-name>—Name of interface

---

## <get-es-is-statistics-information>

---

### Usage

```
<rpc>
  <get-es-is-statistics-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
  </get-es-is-statistics-information>
</rpc>
```

**Description** Show ES-IS performance statistics

**Contents** <logical-system>—Name of logical system, or 'all'  
  
<instance>—Name of ES-IS instance

---

## <get-evc-information>

---

### Usage

```
<rpc>
  <get-evc-information>
    <evc-id>evc-id</evc-id>
  </get-evc-information>
</rpc>
```

**Description** Show ethernet virtual circuit information

**Contents** <evc-id>—EVC identifier

---

## <get-event-scripts-policies>

---

### Usage

```
<rpc>
  <get-event-scripts-policies/>
</rpc>
```

**Description** Show event policies configured through event-scripts

## <get-event-summary>

### Usage

```

<rpc>
  <get-event-summary>
    <syslogfile>syslogfile</syslogfile>
    <event-id>event-id</event-id>
    <daemon-name>daemon-name</daemon-name>
    <event-description>event-description</event-description>
    <start-time>start-time</start-time>
    <end-time>end-time</end-time>
    <total-message-display>total-message-display</total-message-display>
    <show-start-event>show-start-event</show-start-event>
    <show-end-event>show-end-event</show-end-event>
    <new-search/>
    <output-file-name>output-file-name</output-file-name>
  </get-event-summary>
</rpc>

```

**Description** Show syslog event

**Contents**

- <syslogfile>—Syslog file name filter
- <event-id>—Event Id filter
- <daemon-name>—Daemon name filter
- <event-description>—Regular expression for description filter
- <start-time>—Start time filter. Format is mm/dd/yyyy hour:min
- <end-time>—End time filter. Format is mm/dd/yyyy hour:min
- <total-message-display>—Number of messages displayed per page
- <show-start-event>—Requested event starting number
- <show-end-event>—Requested event ending number
- <new-search>—It is a new search
- <output-file-name>—File name where filtered messages are stored

## <get-external-manager-information>

### Usage

```

<rpc>
  <get-external-manager-information>
    <external-manager-name-information>external-manager-name-information</external-manager-name-information>
  </get-external-manager-information>
</rpc>

```

```
<detail/>
<extensive/>
</get-external-manager-information>
</rpc>
```

**Description** Show external manager configuration information

**Contents** <external-manager-name-information>—Show information for a specific external manager

<terse>—Display terse output

<detail>—Display detailed output

<extensive>—Display extensive output

---

## <get-external-manager-statistics-information>

---

### Usage

```
<rpc>
  <get-external-manager-statistics-information>

  <external-manager-name-statistics>external-manager-name-statistics</external-manager-name-statistics>

  <terse/>
  <detail/>
  <extensive/>
</get-external-manager-statistics-information>
</rpc>
```

**Description** Show external manager statistics

**Contents** <external-manager-name-statistics>—Show statistics for a specific external manager

<terse>—Display terse output

<detail>—Display detailed output

<extensive>—Display extensive output

---

## <get-fabric-queue-information>

---

### Usage

```
<rpc>
  <get-fabric-queue-information>
    <destination>destination</destination>
    <source>source</source>
    <summary/>
  </get-fabric-queue-information>
</rpc>
```

<b>Description</b>	Show fabric queue statistics
<b>Contents</b>	<code>&lt;destination&gt;</code> —Destination FPC for which to show details <code>&lt;source&gt;</code> —Source FPC for which to show details <code>&lt;summary&gt;</code> —Display summary output

---

### `<get-fabric-statistics>`

---

**Usage**

```
<rpc>  
  <get-fabric-statistics/>  
</rpc>
```

**Description** Show RPDF statistics information

---

### `<get-fabric-summary-information>`

---

**Usage**

```
<rpc>  
  <get-fabric-summary-information/>  
</rpc>
```

**Description** Show RPDF summary information

---

### `<get-feb-brief-information>`

---

**Usage**

```
<rpc>  
  <get-feb-brief-information>  
  </get-feb-brief-information>  
</rpc>
```

**Description** Show Forwarding Engine Board status

**Contents** `<get-feb-information>`—Show detailed output

---

### `<get-feb-information>`

---

**Usage**

```
<rpc>  
  <get-feb-information>  
    <feb_slot>feb_slot</feb_slot>  
  </get-feb-information>
```

```
</rpc>
```

**Description** Show detailed output

**Contents** <feb\_slot>—FEB slot number

---

### <get-feb-redundancy-error-information>

---

**Usage**

```
<rpc>  
  <get-feb-redundancy-error-information/>  
</rpc>
```

**Description** Show error information

---

### <get-feb-redundancy-group-information>

---

**Usage**

```
<rpc>  
  <get-feb-redundancy-group-information>  
    <group>group</group> <!-- mandatory -->  
    <errors/>  
  </get-feb-redundancy-group-information>  
</rpc>
```

**Description** Show FEB redundancy group information

**Contents** <group>—Name of FEB redundancy group  
  
<errors>—Include error information

---

### <get-feb-redundancy-information>

---

**Usage**

```
<rpc>  
  <get-feb-redundancy-information>  
  </get-feb-redundancy-information>  
</rpc>
```

**Description** Show Forwarding Engine Board redundancy information

**Contents** <get-feb-redundancy-error-information>—Show error information  
  
<get-feb-redundancy-group-information>—Show FEB redundancy group information

## <get-firmware-information>

---

**Usage**

```
<rpc>
  <get-firmware-information>
    <fpc>fpc</fpc>
  </get-firmware-information>
</rpc>
```

**Description** Show firmware and operating system version for components

**Contents** <fpc>—Flexible PIC Controller slot number  
<get-firmware-information-detail>—Show detailed output

## <get-firmware-information-detail>

---

**Usage**

```
<rpc>
  <get-firmware-information-detail/>
</rpc>
```

**Description** Show detailed output

## <get-flow-table-statistics-information>

---

**Usage**

```
<rpc>
  <get-flow-table-statistics-information>
    <detail/>
  </get-flow-table-statistics-information>
</rpc>
```

**Description** Show flow table statistics

**Contents** <detail>—Show detailed statistics information

## <get-fm-fabric-reachability-information>

---

**Usage**

```
<rpc>
  <get-fm-fabric-reachability-information>
    <detail/>
  </get-fm-fabric-reachability-information>
</rpc>
```

**Description** Show current status of fabric reachability

**Contents** <detail>—Show reachability output in detail

---

### <get-fm-fpc-errors>

---

**Usage**

```
<rpc>
  <get-fm-fpc-errors>
    <slot>slot</slot> <!-- mandatory -->
  </get-fm-fpc-errors>
</rpc>
```

**Description** Show Flexible PIC Controller errors

**Contents** <slot>—FPC slot number

---

### <get-fm-fpc-state-information>

---

**Usage**

```
<rpc>
  <get-fm-fpc-state-information/>
</rpc>
```

**Description** Show summary fabric management FPC state from Routing Engine

---

### <get-fm-plane-location-information>

---

**Usage**

```
<rpc>
  <get-fm-plane-location-information/>
</rpc>
```

**Description** Show fabric plane location

---

### <get-fm-plane-state-information>

---

**Usage**

```
<rpc>
  <get-fm-plane-state-information>
    <terse/>
    <detail/>
    <extensive/>
    <number>number</number>
  </get-fm-plane-state-information>
```



`</rpc>`

**Description** Show state of fabric management plane

**Contents** `<terse>`—Show terse output  
`<detail>`—Show detail output  
`<extensive>`—Show extensive output  
`<number>`—Fabric plane number

---

### `<get-fm-sib-errors>`

---

**Usage**

```
<rpc>
  <get-fm-sib-errors>
    <sib-slot>sib-slot</sib-slot> <!-- mandatory -->
  </get-fm-sib-errors>
</rpc>
```

**Description** Show Switch Interface Board errors

**Contents** `<f13>`—Show SIB F13 errors  
`<f2s>`—Show SIB F2S errors  
`<sib-slot>`—SIB slot number

---

### `<get-fm-sib-state-information>`

---

**Usage**

```
<rpc>
  <get-fm-sib-state-information/>
</rpc>
```

**Description** Show summary fabric management SIB state from Routing Engine

---

### `<get-fm-state-information>`

---

**Usage**

```
<rpc>
  <get-fm-state-information/>
</rpc>
```

**Description** Show summary fabric management state

## <get-fm-topology>

---

**Usage**

```
<rpc>
  <get-fm-topology>
    <plane>plane</plane>
  </get-fm-topology>
</rpc>
```

**Description** Show fabric topology for plane

**Contents** <plane>—Fabric plane number

## <get-fm-unreachable-dest-information>

---

**Usage**

```
<rpc>
  <get-fm-unreachable-dest-information/>
</rpc>
```

**Description** Show unreachable destinations on all active planes

## <get-forwarding-table-information>

---

**Usage**

```
<rpc>
  <get-forwarding-table-information>
    <detail/>
    <extensive/>
    <multicast/>
    <family>family</family>
    <vpn>vpn</vpn>
    <table>table</table>
    <interface-name>interface-name</interface-name>
    <vlan>vlan</vlan>
    <bridge-domain>bridge-domain</bridge-domain>
    <summary/>
    <matching>matching</matching>
    <destination>destination</destination>
    <learning-vlan-id>learning-vlan-id</learning-vlan-id>
    <label>label</label>
    <ccc>ccc</ccc>
    <all/>
  </get-forwarding-table-information>
</rpc>
```

**Description** Show entries in all forwarding tables

**Contents** <detail>—Display all routes

- inet - IP version 4 (IPv4)
- inet6 - IP version 6 (IPv6)
- unix - UNIX
- iso - International Standards Organization protocol
- tnp - Trivial Network Protocol
- mpls - Multiprotocol Label Switching
- vpls - Virtual private LAN service
- bridge - Bridge (Layer 2 switching)
- vlan-classification - VLAN classification table
- ethernet-switching - Switch forwarding table
- fibre-channel - Fibre channel forwarding table
- fmembers - Fibre channel membership table
- fabric-multicast - Fabric multicast routing table
- fabric-replication - Fabric replication routing table

## &lt;extensive&gt;—Display extensive information about routes

- inet - IP version 4 (IPv4)
- inet6 - IP version 6 (IPv6)
- unix - UNIX
- iso - International Standards Organization protocol
- tnp - Trivial Network Protocol
- mpls - Multiprotocol Label Switching
- vpls - Virtual private LAN service
- bridge - Bridge (Layer 2 switching)
- vlan-classification - VLAN classification table
- ethernet-switching - Switch forwarding table
- fibre-channel - Fibre channel forwarding table
- fmembers - Fibre channel membership table
- fabric-multicast - Fabric multicast routing table
- fabric-replication - Fabric replication routing table

## &lt;multicast&gt;—Display multicast routes

- inet - IP version 4 (IPv4)
- inet6 - IP version 6 (IPv6)

- unix - UNIX
- iso - International Standards Organization protocol
- tnp - Trivial Network Protocol
- mpls - Multiprotocol Label Switching
- vpls - Virtual private LAN service
- bridge - Bridge (Layer 2 switching)
- vlan-classification - VLAN classification table
- ethernet-switching - Switch forwarding table
- fibre-channel - Fibre channel forwarding table
- fmembers - Fibre channel membership table
- fabric-multicast - Fabric multicast routing table
- fabric-replication - Fabric replication routing table

<family>—Name of family

- inet - IP version 4 (IPv4)
- inet6 - IP version 6 (IPv6)
- unix - UNIX
- iso - International Standards Organization protocol
- tnp - Trivial Network Protocol
- mpls - Multiprotocol Label Switching
- vpls - Virtual private LAN service
- bridge - Bridge (Layer 2 switching)
- vlan-classification - VLAN classification table
- ethernet-switching - Switch forwarding table
- fibre-channel - Fibre channel forwarding table
- fmembers - Fibre channel membership table
- fabric-multicast - Fabric multicast routing table
- fabric-replication - Fabric replication routing table

<vpn>—Name of VPN instance

<table>—Name of routing table

<interface-name>—Interface name

<vlan>—VLAN name

<bridge-domain>—Name of bridging domain

<summary>—Display count of routes instead of details

<matching>—IP prefix and length for entries to match

<destination>—Destination prefix

<learning-vlan-id>—Learning VLAN

<label>—Label for entries to match

<ccc>—Circuit cross-connect interface name for entries to match

<all>—Display all routing forwarding-tables

---

### <get-fpc-alarm-information>

---

**Usage**

```
<rpc>
  <get-fpc-alarm-information>
    <fpc-slot>fpc-slot</fpc-slot> <!-- mandatory -->
  </get-fpc-alarm-information>
</rpc>
```

**Description** Show alarm status for a FPC

**Contents** <fpc-slot>—Flexible PIC Controller slot number

---

### <get-fpc-feb-connectivity-information>

---

**Usage**

```
<rpc>
  <get-fpc-feb-connectivity-information/>
</rpc>
```

**Description** Show connectivity between Flexible PIC Concentrators and Forwarding Engine boards

---

### <get-fpc-information>

---

**Usage**

```
<rpc>
  <get-fpc-information>
    <detail/>
    <fpc-slot>fpc-slot</fpc-slot>
  </get-fpc-information>
</rpc>
```

**Description** Show Flexible PIC Concentrator status

**Contents**    <get-pic-information>—Show Physical Interface Cards installed in FPC  
                 <detail>—Display detailed output  
                 <fpc-slot>—FPC slot number

---

## <get-fru-information>

---

### Usage

```
<rpc>  
  <get-fru-information/>  
</rpc>
```

**Description**    Show Line Card Chassis (LCC) status

---

## <get-fru-power-on-sequence>

---

### Usage

```
<rpc>  
  <get-fru-power-on-sequence/>  
</rpc>
```

**Description**    Show chassis fru power on sequence

---

## <get-fwdd-information>

---

### Usage

```
<rpc>  
  <get-fwdd-information/>  
</rpc>
```

**Description**    Show forwarding process (fwdd) status

---

## <get-ggsn-apn-statistics-information>

---

### Usage

```
<rpc>  
  <get-ggsn-apn-statistics-information>  
    <apn-name>apn-name</apn-name>  
  </get-ggsn-apn-statistics-information>  
</rpc>
```

**Description**    Show access point name statistics

**Contents**    <apn-name>—Name of APN

### <get-ggsn-charging-statistics-information>

---

**Usage**

```
<rpc>
  <get-ggsn-charging-statistics-information/>
</rpc>
```

**Description** Show charging statistics

### <get-ggsn-gtp-prime-statistics-information>

---

**Usage**

```
<rpc>
  <get-ggsn-gtp-prime-statistics-information/>
</rpc>
```

**Description** Show GPRS Tunneling Protocol Prime statistics

### <get-ggsn-gtp-statistics-information>

---

**Usage**

```
<rpc>
  <get-ggsn-gtp-statistics-information/>
</rpc>
```

**Description** Show GPRS tunneling protocol statistics

### <get-ggsn-imsi-trace>

---

**Usage**

```
<rpc>
  <get-ggsn-imsi-trace>
    <imsi-identifier>imsi-identifier</imsi-identifier> <!-- mandatory -->
  </get-ggsn-imsi-trace>
</rpc>
```

**Description** Show trace information for Identifier for International Mobile Subscriber Identity

**Contents** <imsi-identifier>—Identifier for IMSI

### <get-ggsn-imsi-user-information>

---

**Usage**

```
<rpc>
```

```
<get-ggsn-imsi-user-information>
  <imsi-identifier>imsi-identifier</imsi-identifier> <!-- mandatory -->
</get-ggsn-imsi-user-information>
</rpc>
```

**Description** Show International Mobile Subscriber Identity statistics

**Contents** <imsi-identifier>—Identifier for IMSI

---

### <get-ggsn-interface-information>

---

**Usage**

```
<rpc>
  <get-ggsn-interface-information/>
</rpc>
```

**Description** Show GGSN operational status information

---

### <get-ggsn-l2tp-tunnel-statistics-information>

---

**Usage**

```
<rpc>
  <get-ggsn-l2tp-tunnel-statistics-information>
    <lac-address>lac-address</lac-address>
  </get-ggsn-l2tp-tunnel-statistics-information>
</rpc>
```

**Description** Show L2TP tunnel statistics

**Contents** <lac-address>—IP address of LAC

---

### <get-ggsn-msisdn-trace>

---

**Usage**

```
<rpc>
  <get-ggsn-msisdn-trace>
    <msisdn-identifier>msisdn-identifier</msisdn-identifier> <!-- mandatory -->
  </get-ggsn-msisdn-trace>
</rpc>
```

**Description** Show trace information for Mobile Station Integrated Services Digital Network

**Contents** <msisdn-identifier>—Identifier for MSISDN



### <get-ggsn-radius-statistics-information>

---

**Usage**

```
<rpc>
  <get-ggsn-radius-statistics-information/>
</rpc>
```

**Description** Show RADIUS statistics

### <get-ggsn-sgsn-statistics-information>

---

**Usage**

```
<rpc>
  <get-ggsn-sgsn-statistics-information>
    <address>address</address>
  </get-ggsn-sgsn-statistics-information>
</rpc>
```

**Description** Show statistics for client Serving GPRS Support Node

**Contents** <address>—IP address and optional prefix length of SGSN

### <get-ggsn-statistics>

---

**Usage**

```
<rpc>
  <get-ggsn-statistics>
</get-ggsn-statistics>
</rpc>
```

**Description** Show GGSN statistics

**Contents** <get-ggsn-gtp-statistics-information>—Show GPRS tunneling protocol statistics

<get-ggsn-charging-statistics-information>—Show charging statistics

<get-ggsn-radius-statistics-information>—Show RADIUS statistics

<get-ggsn-gtp-prime-statistics-information>—Show GPRS Tunneling Protocol Prime statistics

<get-ggsn-imsi-user-information>—Show International Mobile Subscriber Identity statistics

<msisdn>—Show Mobile Station Integrated Services Digital Network statistics

<get-ggsn-apn-statistics-information>—Show access point name statistics

<get-ggsn-sgsn-statistics-information>—Show statistics for client Serving GPRS Support Node

<get-ggsn-l2tp-tunnel-statistics-information>—Show L2TP tunnel statistics

---

## <get-ggsn-trace>

---

### Usage

```
<rpc>
  <get-ggsn-trace/>
</rpc>
```

**Description** Show all trace information

---

## <get-gre-ka-information>

---

### Usage

```
<rpc>
  <get-gre-ka-information>
    <interface-name>interface-name</interface-name>
  </get-gre-ka-information>
</rpc>
```

**Description** Show GRE Keepalive information

**Contents** <interface-name>—Display information for this logical interface

---

## <get-gx-plus-state-information>

---

### Usage

```
<rpc>
  <get-gx-plus-state-information/>
</rpc>
```

**Description** Show gx-plus state information

---

## <get-gx-plus-statistics-information>

---

### Usage

```
<rpc>
  <get-gx-plus-statistics-information>
    <brief/>
    <detail/>
    <extensive/>
  </get-gx-plus-statistics-information>
</rpc>
```

<b>Description</b>	Show gx-plus statistics information
<b>Contents</b>	<code>&lt;brief&gt;</code> —Show brief output (default) <code>&lt;detail&gt;</code> —Show detailed output <code>&lt;extensive&gt;</code> —Show extensive output

---

### `<get-gx-plus-sync-state-information>`

---

<b>Usage</b>	<pre>&lt;rpc&gt;   &lt;get-gx-plus-sync-state-information/&gt; &lt;/rpc&gt;</pre>
<b>Description</b>	Show gx-plus sync-state information

---

### `<get-hakr-keychain-information>`

---

<b>Usage</b>	<pre>&lt;rpc&gt;   &lt;get-hakr-keychain-information&gt;     &lt;brief/&gt;     &lt;detail/&gt;   &lt;/get-hakr-keychain-information&gt; &lt;/rpc&gt;</pre>
<b>Description</b>	Show all protocols keychain
<b>Contents</b>	<code>&lt;brief&gt;</code> —Display brief output (default) <code>&lt;detail&gt;</code> —Display detailed output

---

### `<get-hash-table-information>`

---

<b>Usage</b>	<pre>&lt;rpc&gt;   &lt;get-hash-table-information&gt;      &lt;real-server-group-name-hash&gt;real-server-group-name-hash&lt;/real-server-group-name-hash&gt;      &lt;terse/&gt;     &lt;detail/&gt;   &lt;/get-hash-table-information&gt; &lt;/rpc&gt;</pre>
<b>Description</b>	Show server load balance hash table information

**Contents**    <real-server-group-name-hash>—Show hash table information for a specific real server group

                 <terse>—Display terse output

                 <detail>—Display detailed output

---

## <get-header-redirect-set-statistics-information>

### Usage

```
<rpc>
  <get-header-redirect-set-statistics-information>
  <detail/>
</get-header-redirect-set-statistics-information>
</rpc>
```

**Description**    Show header redirect set statistics

**Contents**    <detail>—Display detailed statistics

---

## <get-health-monitor-alarm-information>

### Usage

```
<rpc>
  <get-health-monitor-alarm-information>
  <brief/>
  <detail/>
</get-health-monitor-alarm-information>
</rpc>
```

**Description**    Show health-monitor alarms

**Contents**    <brief>—Display brief output (default)

                 <detail>—Display detailed output

---

## <get-health-monitor-information>

### Usage

```
<rpc>
  <get-health-monitor-information>
</get-health-monitor-information>
</rpc>
```

**Description**    Show health-monitoring information

**Contents**    <get-health-monitor-alarm-information>—Show health-monitor alarms

<get-health-monitor-log-information>—Show health-monitoring logs

---

### <get-health-monitor-log-information>

---

**Usage**

```
<rpc>  
  <get-health-monitor-log-information/>  
</rpc>
```

**Description** Show health-monitoring logs

---

### <get-helper-statistics-information>

---

**Usage**

```
<rpc>  
  <get-helper-statistics-information/>  
</rpc>
```

**Description** Show helper statistics

---

### <get-history-results>

---

**Usage**

```
<rpc>  
  <get-history-results>  
    <brief/>  
    <detail/>  
    <owner>owner</owner>  
    <test>test</test>  
    <since>since</since>  
  </get-history-results>  
</rpc>
```

**Description** Show history results

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<owner>—Name of owner

<test>—Name of test

<since>—Show history since YYYY-MM-DD.HH:MM:SS

## <get-idp-addos-application-information>

---

**Usage**

```
<rpc>
  <get-idp-addos-application-information>
    <application-name>application-name</application-name>
    <context>context</context>
    <server>server</server>
    <zone>zone</zone>
    <detail/>
  </get-idp-addos-application-information>
</rpc>
```

**Description** Show DDOS Application information

**Contents** <application-name>—Application name

<context>—Context name

<server>—Application server address

<zone>—Application server zone

<detail>—Show application details

## <get-idp-application-system-cache>

---

**Usage**

```
<rpc>
  <get-idp-application-system-cache/>
</rpc>
```

**Description** Show IDP application system cache

## <get-idp-applications-information>

---

**Usage**

```
<rpc>
  <get-idp-applications-information/>
</rpc>
```

**Description** Show IDP application statistics

## <get-idp-attack-description-information>

---

**Usage**

```
<rpc>
```

```
<get-idp-attack-description-information>
  <attack-name>attack-name</attack-name> <!-- mandatory -->
</get-idp-attack-description-information>
</rpc>
```

**Description** Show description of specified attack

**Contents** <attack-name>—Attack name

---

### <get-idp-attack-detail-information>

---

**Usage**

```
<rpc>
  <get-idp-attack-detail-information>
    <attack-name>attack-name</attack-name> <!-- mandatory -->
  </get-idp-attack-detail-information>
</rpc>
```

**Description** Show details of specified attack

**Contents** <attack-name>—Attack name

---

### <get-idp-attack-table-information>

---

**Usage**

```
<rpc>
  <get-idp-attack-table-information/>
</rpc>
```

**Description** Show IDP attack table

---

### <get-idp-counter-information>

---

**Usage**

```
<rpc>
  <get-idp-counter-information>
    <counter-class>counter-class</counter-class> <!-- mandatory -->
  </get-idp-counter-information>
</rpc>
```

**Description** Show IDP counters

**Contents** <counter-class>—Show IDP counters by counter class

## <get-idp-detail-status-information>

---

**Usage**

```
<rpc>
  <get-idp-detail-status-information/>
</rpc>
```

**Description** Show IDP detail status

## <get-idp-lsys-policy-association>

---

**Usage**

```
<rpc>
  <get-idp-lsys-policy-association/>
</rpc>
```

**Description** Show IDP policy association

## <get-idp-memory-information>

---

**Usage**

```
<rpc>
  <get-idp-memory-information/>
</rpc>
```

**Description** Show IDP data plane memory statistics

## <get-idp-policy-commit-status>

---

**Usage**

```
<rpc>
  <get-idp-policy-commit-status>
    <re-selector-idpd>re-selector-idpd</re-selector-idpd>
    <re0/>
    <re1/>
    <clear/>
  </get-idp-policy-commit-status>
</rpc>
```

**Description** Show the status of ongoing policy compilation and load

**Contents** <re0>—RE0  
<re1>—RE1



<clear>—Clears the policy commit status

## <get-idp-policy-template-information>

### Usage

```
<rpc>
  <get-idp-policy-template-information/>
</rpc>
```

**Description** Show available policy templates

## <get-idp-predefined-attack-filters>

### Usage

```
<rpc>
  <get-idp-predefined-attack-filters>
    <re-selector-idpd>re-selector-idpd</re-selector-idpd>
    <re0/>
    <re1/>
    <category>category</category>
    <severity>severity</severity>
    <direction>direction</direction>
  </get-idp-predefined-attack-filters>
</rpc>
```

**Description** Configure filters

**Contents** <re0>—RE0

- info - Provide information of attack when it matches
- warning - The attack is a minor one
- minor - The attack is a minor one
- major - The attack is a major one
- critical - The attack is a critical one
- client-to-server - Select attacks from client to server
- server-to-client - Select attacks from server to client
- any - Select attacks which are in any direction
- exclude-client-to-server - Filter out attacks from client to server
- exclude-server-to-client - Filter out attacks from server to client
- exclude-any - Filter out attacks which are in any direction

<re1>—RE1

- info - Provide information of attack when it matches
- warning - The attack is a minor one
- minor - The attack is a minor one
- major - The attack is a major one
- critical - The attack is a critical one
- client-to-server - Select attacks from client to server
- server-to-client - Select attacks from server to client
- any - Select attacks which are in any direction
- exclude-client-to-server - Filter out attacks from client to server
- exclude-server-to-client - Filter out attacks from server to client
- exclude-any - Filter out attacks which are in any direction

<category>—Category of attack

- info - Provide information of attack when it matches
- warning - The attack is a minor one
- minor - The attack is a minor one
- major - The attack is a major one
- critical - The attack is a critical one
- client-to-server - Select attacks from client to server
- server-to-client - Select attacks from server to client
- any - Select attacks which are in any direction
- exclude-client-to-server - Filter out attacks from client to server
- exclude-server-to-client - Filter out attacks from server to client
- exclude-any - Filter out attacks which are in any direction

<severity>—Severity of attack

- info - Provide information of attack when it matches
- warning - The attack is a minor one
- minor - The attack is a minor one
- major - The attack is a major one
- critical - The attack is a critical one
- client-to-server - Select attacks from client to server
- server-to-client - Select attacks from server to client
- any - Select attacks which are in any direction

- exclude-client-to-server - Filter out attacks from client to server
- exclude-server-to-client - Filter out attacks from server to client
- exclude-any - Filter out attacks which are in any direction

<direction>—Direction of attack

- client-to-server - Select attacks from client to server
- server-to-client - Select attacks from server to client
- any - Select attacks which are in any direction
- exclude-client-to-server - Filter out attacks from client to server
- exclude-server-to-client - Filter out attacks from server to client
- exclude-any - Filter out attacks which are in any direction

## <get-idp-predefined-attack-group-filters>

### Usage

```
<rpc>
  <get-idp-predefined-attack-group-filters>
    <re-selector-idpd>re-selector-idpd</re-selector-idpd>
    <re0/>
    <re1/>
    <category>category</category>
  </get-idp-predefined-attack-group-filters>
</rpc>
```

**Description** Configure filters

**Contents** <re0>—RE0  
 <re1>—RE1  
 <category>—Category of attack group

## <get-idp-predefined-attack-groups>

### Usage

```
<rpc>
  <get-idp-predefined-attack-groups>
</get-idp-predefined-attack-groups>
</rpc>
```

**Description** Show predefined attack groups

**Contents** <get-idp-predefined-attack-group-filters>—Configure filters

## <get-idp-predefined-attacks>

---

**Usage**

```
<rpc>
  <get-idp-predefined-attacks>
</get-idp-predefined-attacks>
</rpc>
```

**Description** Show predefined attacks

**Contents** <get-idp-predefined-attack-filters>—Configure filters

## <get-idp-recent-security-package-information>

---

**Usage**

```
<rpc>
  <get-idp-recent-security-package-information>
    <re-selector-idpd>re-selector-idpd</re-selector-idpd>
    <re0/>
    <re1/>
  </get-idp-recent-security-package-information>
</rpc>
```

**Description** List ten most recent security package versions

**Contents** <re0>—RE0  
          <re1>—RE1

## <get-idp-security-package-information>

---

**Usage**

```
<rpc>
  <get-idp-security-package-information>
    <re-selector-idpd>re-selector-idpd</re-selector-idpd>
    <re0/>
    <re1/>
  </get-idp-security-package-information>
</rpc>
```

**Description** Show the version of currently installed security-package

**Contents** <re0>—RE0  
          <re1>—RE1

### <get-idp-ssl-key-information>

---

**Usage**

```
<rpc>
  <get-idp-ssl-key-information>
    <key-name>key-name</key-name>
  </get-idp-ssl-key-information>
</rpc>
```

**Description** Show SSL keys

**Contents** <key-name>—Key name

### <get-idp-ssl-session-cache-information>

---

**Usage**

```
<rpc>
  <get-idp-ssl-session-cache-information/>
</rpc>
```

**Description** Session ID cache

### <get-idp-status-information>

---

**Usage**

```
<rpc>
  <get-idp-status-information>
  </get-idp-status-information>
</rpc>
```

**Description** Show IDP status

**Contents** <get-idp-detail-status-information>—Show IDP detail status

### <get-idp-subscriber-policy-list>

---

**Usage**

```
<rpc>
  <get-idp-subscriber-policy-list/>
</rpc>
```

**Description** Show the list of currently installed policies

## <get-igmp-group-information>

---

**Usage**

```
<rpc>
  <get-igmp-group-information>
    <logical-system>logical-system</logical-system>
    <terse/>
    <brief/>
    <detail/>
    <group-name>group-name</group-name>
  </get-igmp-group-information>
</rpc>
```

**Description** Show IGMP group members

**Contents** <logical-system>—Name of logical system, or 'all'

<terse>—Display terse output

<brief>—Display brief output (default)

<detail>—Display detailed output

<group-name>—Name of group

## <get-igmp-interface-information>

---

**Usage**

```
<rpc>
  <get-igmp-interface-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <interface-name>interface-name</interface-name>
  </get-igmp-interface-information>
</rpc>
```

**Description** Show IGMP interfaces

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

<interface-name>—Name of interface

## <get-igmp-output-group-information>

### Usage

```

<rpc>
  <get-igmp-output-group-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <group-name>group-name</group-name>
  </get-igmp-output-group-information>
</rpc>

```

**Description** Show IGMP output group members

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

<group-name>—Name of group

## <get-igmp-snooping-interface-information>

### Usage

```

<rpc>
  <get-igmp-snooping-interface-information>
    <brief/>
    <detail/>
    <interface>interface</interface>
    <vlan-id>vlan-id</vlan-id>
    <instance>instance</instance>
  </get-igmp-snooping-interface-information>
</rpc>

```

**Description** Show IGMP snooping interfaces

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<interface>—Name of interface

<vlan-id>—VLAN ID for a learning domain

<instance>—Name of routing-instance

<bridge-domain>—For a particular bridge-domain

## <get-igmp-snooping-membership-information>

---

### Usage

```
<rpc>
  <get-igmp-snooping-membership-information>
    <brief/>
    <detail/>
    <group>group</group>
    <interface>interface</interface>
    <vlan-id>vlan-id</vlan-id>
    <instance>instance</instance>
  </get-igmp-snooping-membership-information>
</rpc>
```

**Description** Show IGMP snooping group membership

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<group>—IP address range for group

<interface>—Name of interface

<vlan-id>—VLAN ID for a learning domain

<instance>—Name of routing-instance

<bridge-domain>—For a particular bridge-domain

## <get-igmp-snooping-statistics-information>

---

### Usage

```
<rpc>
  <get-igmp-snooping-statistics-information>
    <interface>interface</interface>
    <vlan-id>vlan-id</vlan-id>
    <instance>instance</instance>
  </get-igmp-snooping-statistics-information>
</rpc>
```

**Description** Show IGMP snooping statistics

**Contents** <interface>—Name of interface

<vlan-id>—VLAN ID for a learning domain

<instance>—Name of routing-instance

<bridge-domain>—For a particular bridge-domain



## <get-igmp-statistics-information>

---

**Usage**

```

<rpc>
  <get-igmp-statistics-information>
    <logical-system>logical-system</logical-system>
    <interface>interface</interface>
  </get-igmp-statistics-information>
</rpc>

```

**Description** Show IGMP statistics

**Contents** <logical-system>—Name of logical system, or 'all'

<interface>—Name of interface

## <get-ingress-replication-information>

---

**Usage**

```

<rpc>
  <get-ingress-replication-information>
    <logical-system>logical-system</logical-system>
    <mvpn/>
    <tunnel-name>tunnel-name</tunnel-name>
  </get-ingress-replication-information>
</rpc>

```

**Description** Show Ingress-Replication tunnel information

**Contents** <logical-system>—Name of logical system, or 'all'

<mvpn>—MVPN ingress-replication tunnels

<tunnel-name>—Name of Ingress-Replication tunnel

## <get-inline-nat-statistics-information>

---

**Usage**

```

<rpc>
  <get-inline-nat-statistics-information>
    <interface>interface</interface>
  </get-inline-nat-statistics-information>
</rpc>

```

**Description** Show global inline nat statistics

**Contents** <interface>—Name of adaptive services interface

## <get-instance-information>

---

**Usage**

```
<rpc>
  <get-instance-information>
    <daemon-select>daemon-select</daemon-select>
    <logical-system>logical-system</logical-system>
    <fabric/>
    <summary/>
    <brief/>
    <detail/>
    <instance-name>instance-name</instance-name>
  </get-instance-information>
</rpc>
```

**Description** Show routing instances information

**Contents** <logical-system>—Name of logical system, or 'all'

<fabric>—Internal fabric state

<summary>—Display summary output

<brief>—Display brief output (default)

<detail>—Display detailed output

<instance-name>—Particular instance name

<get-operational-routing-instance-information>—Show operational routing instances

## <get-inter-chassis-control-protocol-information>

---

**Usage**

```
<rpc>
  <get-inter-chassis-control-protocol-information>
    <brief/>
    <detail/>
  </get-inter-chassis-control-protocol-information>
</rpc>
```

**Description** Show Inter Chassis Control Protocol information

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

## <get-interface-filter-information>

### Usage

```

<rpc>
  <get-interface-filter-information>
    <interface-name>interface-name</interface-name>
  </get-interface-filter-information>
</rpc>

```

**Description** Show interface filters information

**Contents** <interface-name>—Name of physical or logical interface

## <get-interface-information>

### Usage

```

<rpc>
  <get-interface-information>
    <routing-instance>routing-instance</routing-instance>
    <extensive/>
    <statistics/>
    <media/>
    <detail/>
    <terse/>
    <brief/>
    <descriptions/>
    <snmp-index>snmp-index</snmp-index>
    <switch-port>switch-port</switch-port>
    <interface-name>interface-name</interface-name>
  </get-interface-information>
</rpc>

```

**Description** Show interface information

**Contents** <routing>—Show routing status

- all - All instances
- instance-name - Instance name

<get-targeting-information>—Show Distribution information of a bundle

- all - All instances
- instance-name - Instance name

<get-mc-ae-interface-information>—Show MC-AE configured interface information

- all - All instances
- instance-name - Instance name

<routing-instance>—Name of routing instance

- all - All instances
- instance-name - Instance name

<controller>—Show controller information

<interface-set>—Show interface set information

<show-interfaces-interval>—Show interval statistics

<show-interfaces-far-end-interval>—Show far end interval statistics

<get-mac-database>—Show media access control database information

<get-interface-queue-information>—Show queue statistics for this interface

<get-interface-filter-information>—Show interface filters information

<get-interface-policer-information>—Show interface policers information

<diagnostics>—Show interface diagnostics information

<extensive>—Display extensive output

<statistics>—Display statistics and detailed output

<media>—Display media information

<detail>—Display detailed output

<terse>—Display terse output

<brief>—Display brief output

<descriptions>—Display interface description strings

<get-destination-class-statistics>—Show statistics for destination class

<get-source-class-statistics>—Show statistics for source class

<snmp-index>—SNMP index of interface

<switch-port>—Front end port number

<interface-name>—Name of physical or logical interface

<get-redundancy-status>—Show redundancy status

---

## <get-interface-location-information>

---

### Usage

```
<rpc>  
  <get-interface-location-information>
```

```

    <lcc>lcc</lcc> <!-- mandatory -->
    <fpc>fpc</fpc> <!-- mandatory -->
  </get-interface-location-information>
</rpc>

```

**Description** Show interface name given location

**Contents** <lcc>—LCC number  
 <fpc>—FPC number

---

### <get-interface-location-name-information>

---

**Usage**

```

<rpc>
  <get-interface-location-name-information>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </get-interface-location-name-information>
</rpc>

```

**Description** Show physical location given interface name

**Contents** <interface-name>—Interface name

---

### <get-interface-optics-diagnostics-information>

---

**Usage**

```

<rpc>
  <get-interface-optics-diagnostics-information>
    <interface-name>interface-name</interface-name>
  </get-interface-optics-diagnostics-information>
</rpc>

```

**Description** Show interface optics-diagnostics information

**Contents** <interface-name>—Name of physical interface

---

### <get-interface-policer-information>

---

**Usage**

```

<rpc>
  <get-interface-policer-information>
    <interface-name>interface-name</interface-name>
  </get-interface-policer-information>
</rpc>

```

**Description** Show interface policers information

**Contents** <interface-name>—Name of physical or logical interface

---

## <get-interface-queue-information>

---

### Usage

```
<rpc>
  <get-interface-queue-information>
    <forwarding-class>forwarding-class</forwarding-class>
    <ingress/>
    <egress/>
    <both-ingress-egress/>
    <aggregate/>
    <remaining-traffic/>
    <source-chassis>source-chassis</source-chassis>
    <source-fpc>source-fpc</source-fpc>
    <interface-name>interface-name</interface-name>
  </get-interface-queue-information>
</rpc>
```

**Description** Show queue statistics for this interface

**Contents** <forwarding-class>—Name of forwarding class

<ingress>—Display ingress queue statistics

<egress>—Display egress queue statistics

<both-ingress-egress>—Display both ingress and egress queue statistics

<aggregate>—Display aggregate queue statistics

<remaining-traffic>—Display remaining-traffic queue statistics

<source-chassis>—Source chassis name for which to show details

<source-fpc>—Source FPC for which to show details

<interface-name>—Name of physical interface

---

## <get-interface-set-queue-information>

---

### Usage

```
<rpc>
  <get-interface-set-queue-information>
    <forwarding-class>forwarding-class</forwarding-class>
    <ingress/>
    <egress/>
    <both-ingress-egress/>
    <aggregate/>
```

```

    <remaining-traffic/>
    <interface-set-name>interface-set-name</interface-set-name>
  </get-interface-set-queue-information>
</rpc>

```

**Description** Show queue statistics for this interface-set

**Contents**

- <forwarding-class>—Name of forwarding class
- <ingress>—Display ingress queue statistics
- <egress>—Display egress queue statistics
- <both-ingress-egress>—Display both ingress and egress queue statistics
- <aggregate>—Display aggregate queue statistics
- <remaining-traffic>—Display remaining-traffic queue statistics
- <interface-set-name>—Name of interface set

---

## <get-ioc-npc-connectivity-information>

### Usage

```

<rpc>
  <get-ioc-npc-connectivity-information/>
</rpc>

```

**Description** Show connectivity between IOC and NPC

---

## <get-ip-mip-binding-information>

### Usage

```

<rpc>
  <get-ip-mip-binding-information>
    <ip-address>ip-address</ip-address> <!-- mandatory -->
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </get-ip-mip-binding-information>
</rpc>

```

**Description** Show binding detail based on IP address

**Contents**

- <ip-address>—Show binding detail based on IP address
- <routing-instance>—Name of routing instance
- <logical-system>—Name of logical system

## <get-ipv6-nd-information>

---

**Usage**

```
<rpc>
  <get-ipv6-nd-information/>
</rpc>
```

**Description** Show IPv6 neighbor cache information

## <get-ipv6-ra-information>

---

**Usage**

```
<rpc>
  <get-ipv6-ra-information>
    <logical-system>logical-system</logical-system>
    <interface>interface</interface>
    <conflicts/>
    <prefix>prefix</prefix>
    <virtual-router/>
  </get-ipv6-ra-information>
</rpc>
```

**Description** Show IPv6 router advertisement information

**Contents** <logical-system>—Name of logical system, or 'all'

<interface>—Name of interface

<conflicts>—Display conflicting information

<prefix>—Prefix and optional prefix length

<virtual-router>—Display only virtual-interface information

## <get-isis-adjacency-information>

---

**Usage**

```
<rpc>
  <get-isis-adjacency-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <extensive/>
    <instance>instance</instance>
    <system-id>system-id</system-id>
  </get-isis-adjacency-information>
</rpc>
```



<b>Description</b>	Show IS-IS adjacency database
<b>Contents</b>	<p>&lt;logical-system&gt;—Name of logical system, or 'all'</p> <p>&lt;brief&gt;—Display brief output (default)</p> <p>&lt;detail&gt;—Display detailed output</p> <p>&lt;extensive&gt;—Display extensive output</p> <p>&lt;instance&gt;—Name of IS-IS instance</p> <p>&lt;system-id&gt;—System ID of intermediate system</p>

---

### <get-isis-authentication-information>

---

**Usage**

```
<rpc>
  <get-isis-authentication-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
  </get-isis-authentication-information>
</rpc>
```

<b>Description</b>	Show IS-IS authentication information
--------------------	---------------------------------------

<b>Contents</b>	<p>&lt;logical-system&gt;—Name of logical system, or 'all'</p> <p>&lt;instance&gt;—Name of IS-IS instance</p>
-----------------	---

---

### <get-isis-backup-coverage-information>

---

**Usage**

```
<rpc>
  <get-isis-backup-coverage-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
  </get-isis-backup-coverage-information>
</rpc>
```

<b>Description</b>	Show IS-IS backup coverage
--------------------	----------------------------

<b>Contents</b>	<p>&lt;logical-system&gt;—Name of logical system, or 'all'</p> <p>&lt;instance&gt;—Name of IS-IS instance</p>
-----------------	---

## <get-isis-backup-lsp-information>

---

**Usage**

```
<rpc>
  <get-isis-backup-lsp-information>
    <logical-system>logical-system</logical-system>
  </get-isis-backup-lsp-information>
</rpc>
```

**Description** Show IS-IS MPLS backup LSP information

**Contents** <logical-system>—Name of logical system, or 'all'

## <get-isis-backup-spf-results-information>

---

**Usage**

```
<rpc>
  <get-isis-backup-spf-results-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <level>level</level>
    <no-coverage/>
    <topology>topology</topology>
  </get-isis-backup-spf-results-information>
</rpc>
```

**Description** Show results from backup SPF runs

**Contents** <logical-system>—Name of logical system, or 'all'

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

<instance>—IS-IS instance

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

<level>—Number of IS-IS level

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

<no-coverage>—Destinations with no backup coverage

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

<topology>—Name of topology

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

## <get-isis-context-identifier-information>

### Usage

```
<rpc>
  <get-isis-context-identifier-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <instance>instance</instance>
  </get-isis-context-identifier-information>
</rpc>
```

**Description** Show IS-IS context-identifier information

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

<instance>—Name of IS-IS instance

<get-isis-context-identifier-origin-information>—Show IS-IS context-identifier information

## <get-isis-context-identifier-origin-information>

---

### Usage

```
<rpc>
  <get-isis-context-identifier-origin-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <id_addr>id_addr</id_addr> <!-- mandatory -->
    <instance>instance</instance>
  </get-isis-context-identifier-origin-information>
</rpc>
```

**Description** Show IS-IS context-identifier information

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

<id\_addr>—Context identifier address of session

<instance>—Name of IS-IS instance

## <get-isis-database-information>

---

### Usage

```
<rpc>
  <get-isis-database-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <extensive/>
    <instance>instance</instance>
    <level>level</level>
    <system-id>system-id</system-id>
  </get-isis-database-information>
</rpc>
```

**Description** Show IS-IS link-state database

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

<instance>—Name of IS-IS instance

<level>—Number of IS-IS level

<system-id>—System ID of IS

## <get-isis-hostname-information>

### Usage

```
<rpc>
  <get-isis-hostname-information>
    <logical-system>logical-system</logical-system>
  </get-isis-hostname-information>
</rpc>
```

**Description** Show IS-IS hostname database

**Contents** <logical-system>—Name of logical system, or 'all'

## <get-isis-interface-information>

### Usage

```
<rpc>
  <get-isis-interface-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <extensive/>
    <instance>instance</instance>
    <interface-name>interface-name</interface-name>
  </get-isis-interface-information>
</rpc>
```

**Description** Show IS-IS interface information

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

<instance>—Name of IS-IS instance

<interface-name>—Name of interface

## <get-isis-overview-information>

---

**Usage**

```
<rpc>
  <get-isis-overview-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
  </get-isis-overview-information>
</rpc>
```

**Description** Show overview of IS-IS information

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of IS-IS instance

## <get-isis-route-information>

---

**Usage**

```
<rpc>
  <get-isis-route-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <destination>destination</destination>
    <inet/>
    <inet6/>
    <iso/>
    <topology>topology</topology>
  </get-isis-route-information>
</rpc>
```

**Description** Show IS-IS routing table

**Contents** <logical-system>—Name of logical system, or 'all'

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

<instance>—Name of IS-IS instance

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

<destination>—IP address and optional prefix length of destination

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

<inet>—Display IPv4 routes

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

<inet6>—Display IPv6 routes

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

<iso>—Display CLNS routes

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

<topology>—Name of topology from which routes were learned

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

---

## <get-isis-spf-log-information>

---

### Usage

```
<rpc>
  <get-isis-spf-log-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <level>level</level>
    <topology>topology</topology>
```

```
</get-isis-spf-log-information>
</rpc>
```

**Description** Show log of SPF runs

**Contents** <logical-system>—Name of logical system, or 'all'

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

<instance>—Name of IS-IS instance

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

<level>—Number of IS-IS level

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

<topology>—Name of topology

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

---

## <get-isis-spf-results-brief-information>

---

### Usage

```
<rpc>
  <get-isis-spf-results-brief-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <level>level</level>
    <topology>topology</topology>
  </get-isis-spf-results-brief-information>
</rpc>
```



**Description** Show brief summary of SPF results

**Contents** <logical-system>—Name of logical system, or 'all'

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

<instance>—Name of IS-IS instance

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

<level>—Number of level

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

<topology>—Name of topology

- unicast - Unicast topology
- ipv4-multicast - IPv4 multicast topology
- ipv6-unicast - IPv6 unicast topology
- ipv6-multicast - IPv6 multicast topology

## <get-isis-spf-results-information>

### Usage

```
<rpc>
  <get-isis-spf-results-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <level>level</level>
    <topology>topology</topology>
  </get-isis-spf-results-information>
</rpc>
```

**Description** Show results from SPF runs

<b>Contents</b>	<p>&lt;logical-system&gt;—Name of logical system, or 'all'</p> <ul style="list-style-type: none"><li>• unicast - Unicast topology</li><li>• ipv4-multicast - IPv4 multicast topology</li><li>• ipv6-unicast - IPv6 unicast topology</li><li>• ipv6-multicast - IPv6 multicast topology</li></ul> <p>&lt;instance&gt;—IS-IS instance</p> <ul style="list-style-type: none"><li>• unicast - Unicast topology</li><li>• ipv4-multicast - IPv4 multicast topology</li><li>• ipv6-unicast - IPv6 unicast topology</li><li>• ipv6-multicast - IPv6 multicast topology</li></ul> <p>&lt;level&gt;—Number of IS-IS level</p> <ul style="list-style-type: none"><li>• unicast - Unicast topology</li><li>• ipv4-multicast - IPv4 multicast topology</li><li>• ipv6-unicast - IPv6 unicast topology</li><li>• ipv6-multicast - IPv6 multicast topology</li></ul> <p>&lt;topology&gt;—Name of topology</p> <ul style="list-style-type: none"><li>• unicast - Unicast topology</li><li>• ipv4-multicast - IPv4 multicast topology</li><li>• ipv6-unicast - IPv6 unicast topology</li><li>• ipv6-multicast - IPv6 multicast topology</li></ul>
-----------------	---

---

## <get-isis-statistics-information>

---

### Usage

```
<rpc>
  <get-isis-statistics-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
  </get-isis-statistics-information>
</rpc>
```

**Description** Show IS-IS performance statistics

<b>Contents</b>	<p>&lt;logical-system&gt;—Name of logical system, or 'all'</p> <p>&lt;instance&gt;—Name of IS-IS instance</p>
-----------------	---

## <get-key-vg-binding>

---

**Usage**

```
<rpc>
  <get-key-vg-binding/>
</rpc>
```

**Description** Show core key assigned for (vlan, group)

## <get-l2ckt-connection-information>

---

**Usage**

```
<rpc>
  <get-l2ckt-connection-information>
    <logical-system>logical-system</logical-system>
    <neighbor>neighbor</neighbor>
    <interface>interface</interface>
    <down/>
    <up/>
    <up-down/>
    <brief/>
    <extensive/>
    <history/>
    <status/>
    <summary/>
  </get-l2ckt-connection-information>
</rpc>
```

**Description** Show the Layer 2 circuit connections

**Contents**

- <logical-system>—Name of logical system, or 'all'
- <neighbor>—IP address of neighbor
- <interface>—Name of interface
- <down>—Display nonoperational connections
- <up>—Display operational connections
- <up-down>—Display both operational and nonoperational connections (default)
- <brief>—Display one-line version of output
- <extensive>—Display connection status and history
- <history>—Display connection history
- <status>—Display connection and interface status (default)

<summary>—Display summary output

---

## <get-l2cpd-replication-information>

---

### Usage

```
<rpc>  
  <get-l2cpd-replication-information/>  
</rpc>
```

**Description** Stateful replication

---

## <get-l2cpd-task-memory>

---

### Usage

```
<rpc>  
  <get-l2cpd-task-memory>  
    <summary/>  
    <brief/>  
    <detail/>  
    <history/>  
  </get-l2cpd-task-memory>  
</rpc>
```

**Description** Show memory utilization of l2cp tasks

**Contents** <summary>—Display current and maximum memory usage

<brief>—Display current/maximum/available memory

<detail>—Display memory usage by individual users

<history>—Display memory usage in the recent past

---

## <get-l2cpd-tasks-io-statistics>

---

### Usage

```
<rpc>  
  <get-l2cpd-tasks-io-statistics/>  
</rpc>
```

**Description** Show task I/O statistics

---

## <get-l2tp-destination-information>

---

### Usage

```
<rpc>  
  <get-l2tp-destination-information>
```

```

<extensive/>
<brief/>
<detail/>
<filter>filter</filter>
<local-gateway>local-gateway</local-gateway>
<peer-gateway>peer-gateway</peer-gateway>
</get-l2tp-destination-information>
</rpc>

```

**Description** Show active L2TP destination list

**Contents**

- <extensive>—Display extensive output
- <brief>—Display brief output (default)
- <detail>—Display detailed output
- <local-gateway>—Local gateway address to use as filter
- <peer-gateway>—Peer gateway address to use as filter

## <get-l2tp-multilink-information>

---

### Usage

```

<rpc>
<get-l2tp-multilink-information>
<extensive/>
<brief/>
<detail/>
<statistics/>
<filter>filter</filter>
<bundle-id>bundle-id</bundle-id>
</get-l2tp-multilink-information>
</rpc>

```

**Description** Show active L2TP multilink list

**Contents**

- <extensive>—Display extensive output
- <brief>—Display brief output (default)
- <detail>—Display detailed output
- <statistics>—Display statistics
- <bundle-id>—Filter by multilink bundle ID

## <get-l2tp-session-information>

---

### Usage

```
<rpc>
  <get-l2tp-session-information>
    <extensive/>
    <brief/>
    <detail/>
    <statistics/>
    <filter>filter</filter>
    <tunnel-group>tunnel-group</tunnel-group>
    <local-tunnel-id>local-tunnel-id</local-tunnel-id>
    <interface>interface</interface>
    <local-gateway>local-gateway</local-gateway>
    <local-gateway-name>local-gateway-name</local-gateway-name>
    <peer-gateway>peer-gateway</peer-gateway>
    <peer-gateway-name>peer-gateway-name</peer-gateway-name>
    <local-session-id>local-session-id</local-session-id>
    <user>user</user>
  </get-l2tp-session-information>
</rpc>
```

**Description** Show active L2TP session list

**Contents** <extensive>—Display extensive output

<brief>—Display brief output (default)

<detail>—Display detailed output

<statistics>—Display statistics

<tunnel-group>—Tunnel group to use as filter

<local-tunnel-id>—Local tunnel ID to use as filter

<interface>—Interface name to use as filter

<local-gateway>—Local gateway address to use as filter

<local-gateway-name>—Local gateway name to use as filter

<peer-gateway>—Peer gateway address to use as filter

<peer-gateway-name>—Peer gateway name to use as filter

<local-session-id>—Local session ID to use as filter

<user>—Username to use as filter

## <get-l2tp-summary-information>

### Usage

```

<rpc>
  <get-l2tp-summary-information>
    <interface>interface</interface>
  </get-l2tp-summary-information>
</rpc>

```

**Description** Show L2TP summary information

**Contents** <interface>—Name of adaptive services interface

## <get-l2tp-tunnel-information>

### Usage

```

<rpc>
  <get-l2tp-tunnel-information>
    <extensive/>
    <brief/>
    <detail/>
    <statistics/>
    <filter>filter</filter>
    <tunnel-group>tunnel-group</tunnel-group>
    <local-tunnel-id>local-tunnel-id</local-tunnel-id>
    <interface>interface</interface>
    <local-gateway>local-gateway</local-gateway>
    <local-gateway-name>local-gateway-name</local-gateway-name>
    <peer-gateway>peer-gateway</peer-gateway>
    <peer-gateway-name>peer-gateway-name</peer-gateway-name>
  </get-l2tp-tunnel-information>
</rpc>

```

**Description** Show active L2TP tunnel list

**Contents**

- <extensive>—Display extensive output
- <brief>—Display brief output (default)
- <detail>—Display detailed output
- <statistics>—Display statistics
- <tunnel-group>—Tunnel group to use as filter
- <local-tunnel-id>—Local tunnel ID to use as filter
- <interface>—Interface name to use as filter
- <local-gateway>—Local gateway address to use as filter

<local-gateway-name>—Local gateway name to use as filter

<peer-gateway>—Peer gateway address to use as filter

<peer-gateway-name>—Peer gateway name to use as filter

---

## <get-l2vpn-connection-information>

---

### Usage

```
<rpc>
  <get-l2vpn-connection-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <local-site>local-site</local-site>
    <remote-site>remote-site</remote-site>
    <down/>
    <up/>
    <up-down/>
    <brief/>
    <extensive/>
    <history/>
    <status/>
    <summary/>
  </get-l2vpn-connection-information>
</rpc>
```

**Description** Show Layer 2 VPN connections information

**Contents**

- <logical-system>—Name of logical system, or 'all'
- <instance>—Name of Layer 2 VPN instance
- <local-site>—Name or ID of Layer 2 VPN local site
- <remote-site>—ID of Layer 2 VPN remote site
- <down>—Display nonoperational connections
- <up>—Display operational connections
- <up-down>—Display both non- and operational connections (default)
- <brief>—Display one-line version of output
- <extensive>—Display connection status and history
- <history>—Display connection history
- <status>—Display connection and circuit status (default)
- <summary>—Display summary output



### <get-lacp-interface-information>

---

**Usage**

```
<rpc>
  <get-lacp-interface-information>
    <interface-name>interface-name</interface-name>
  </get-lacp-interface-information>
</rpc>
```

**Description** Show LACP interfaces information

**Contents** <interface-name>—Name of interface

### <get-lacp-interface-statistics>

---

**Usage**

```
<rpc>
  <get-lacp-interface-statistics>
    <interface-name>interface-name</interface-name>
  </get-lacp-interface-statistics>
</rpc>
```

**Description** Show LACP interface statistics

**Contents** <interface-name>—Name of interface

### <get-ldp-database-information>

---

**Usage**

```
<rpc>
  <get-ldp-database-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <extensive/>
    <instance>instance</instance>
    <session>session</session>
    <inet/>
    <l2circuit/>
    <p2mp/>
  </get-ldp-database-information>
</rpc>
```

**Description** Show LDP label database

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

<instance>—Name of LDP routing instance

<session>—IP address of session destination

<inet>—Display IPv4 bindings

<l2circuit>—Display Layer 2 circuit bindings

<p2mp>—Display P2MP bindings

---

## <get-ldp-fec-filters-information>

---

### Usage

```
<rpc>
  <get-ldp-fec-filters-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <fec>fec</fec>
  </get-ldp-fec-filters-information>
</rpc>
```

**Description** Show filters for forwarding equivalence classes

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of LDP routing instance

<fec>—Forwarding equivalence class

---

## <get-ldp-interface-information>

---

### Usage

```
<rpc>
  <get-ldp-interface-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <extensive/>
    <instance>instance</instance>
    <interface-name>interface-name</interface-name>
  </get-ldp-interface-information>
</rpc>
```

**Description** Show LDP interface status

**Contents**    <logical-system>—Name of logical system, or 'all'

                 <brief>—Display brief output (default)

                 <detail>—Display detailed output

                 <extensive>—Display extensive output

                 <instance>—Name of LDP routing instance

                 <interface-name>—Name of interface

---

## <get-ldp-neighbor-information>

---

### Usage

```
<rpc>
  <get-ldp-neighbor-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <extensive/>
    <instance>instance</instance>
    <neighbor>neighbor</neighbor>
  </get-ldp-neighbor-information>
</rpc>
```

**Description**    Show LDP neighbor status

**Contents**    <logical-system>—Name of logical system, or 'all'

                 <brief>—Display brief output (default)

                 <detail>—Display detailed output

                 <extensive>—Display extensive output

                 <instance>—Name of LDP routing instance

                 <neighbor>—IP address of the neighbor

---

## <get-ldp-overview-information>

---

### Usage

```
<rpc>
  <get-ldp-overview-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
  </get-ldp-overview-information>
</rpc>
```

**Description**    Show LDP overview information

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of LDP routing instance

## <get-ldp-path-information>

---

### Usage

```
<rpc>
  <get-ldp-path-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <extensive/>
    <instance>instance</instance>
    <destination>destination</destination>
  </get-ldp-path-information>
</rpc>
```

**Description** Show LDP path table

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

<instance>—Name of LDP routing instance

<destination>—IP address and optional prefix length of destination

## <get-ldp-route-information>

---

### Usage

```
<rpc>
  <get-ldp-route-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <extensive/>
    <instance>instance</instance>
    <destination>destination</destination>
  </get-ldp-route-information>
</rpc>
```

**Description** Show LDP internal topology table

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

<instance>—Name of LDP routing instance

<destination>—IP address and optional prefix length of destination

## <get-ldp-session-information>

### Usage

```
<rpc>
  <get-ldp-session-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <extensive/>
    <instance>instance</instance>
    <destination>destination</destination>
  </get-ldp-session-information>
</rpc>
```

**Description** Show LDP session status

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

<instance>—Name of LDP routing instance

<destination>—IP address of session destination

## <get-ldp-statistics-information>

### Usage

```
<rpc>
  <get-ldp-statistics-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
  </get-ldp-statistics-information>
</rpc>
```

**Description** Show LDP statistics

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of LDP routing instance

---

### <get-ldp-traffic-statistics-information>

---

**Usage**

```
<rpc>
  <get-ldp-traffic-statistics-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <inet/>
    <p2mp/>
  </get-ldp-traffic-statistics-information>
</rpc>
```

**Description** Show packet statistics for LDP label-switched paths

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of LDP routing instance

<inet>—Display statistics for INET FECs

<p2mp>—Display statistics for P2MP FECs

---

### <get-lfmd-information>

---

**Usage**

```
<rpc>
  <get-lfmd-information>
    <detail/>
    <brief/>
    <interface-name>interface-name</interface-name>
  </get-lfmd-information>
</rpc>
```

**Description** Show link-fault-management information

**Contents** <detail>—Display detailed data

<brief>—Display brief data (default)

<interface-name>—Name of physical interface

---

### <get-license-information>

---

**Usage**

```
<rpc>
```

```
<get-license-information/>
</rpc>
```

**Description** Show installed feature licenses

---

### <get-license-key-information>

---

**Usage**

```
<rpc>
  <get-license-key-information/>
</rpc>
```

**Description** Show license keys

---

### <get-license-summary-information>

---

**Usage**

```
<rpc>
  <get-license-summary-information>
  </get-license-summary-information>
</rpc>
```

**Description** Show feature licenses information

**Contents** <get-license-information>—Show installed feature licenses

<get-license-key-information>—Show license keys

<get-license-usage-summary>—Show licensed features

---

### <get-license-usage-summary>

---

**Usage**

```
<rpc>
  <get-license-usage-summary/>
</rpc>
```

**Description** Show licensed features

---

### <get-link-services-cpu-usage>

---

**Usage**

```
<rpc>
  <get-link-services-cpu-usage>
  <interface>interface</interface> <!-- mandatory -->
  <brief/>
```

```
<detail/>
</get-link-services-cpu-usage>
</rpc>
```

**Description** Show cpu usage as a percentage for the specified PIC

**Contents** <interface>—Name of link services interface

<brief>—Display brief output (1 and 5 second average)

<detail>—Display detailed output (per cpu average)

---

## <get-lldp-neighbors-information>

### Usage

```
<rpc>
<get-lldp-neighbors-information>
</get-lldp-neighbors-information>
</rpc>
```

**Description** Show LLDP neighbor information

**Contents** <interface>—Show LLDP neighbors on this interface

---

## <get-lm-information>

### Usage

```
<rpc>
<get-lm-information>
</get-lm-information>
</rpc>
```

**Description** Show link management information

**Contents** <get-lm-peer-information>—Show peer information

<get-lm-te-link-information>—Show traffic engineering links information

<get-lm-statistics-information>—Show link management statistics

<get-lm-routing-information>—Show link management information for routing

---

## <get-lm-peer-information>

### Usage

```
<rpc>
<get-lm-peer-information>
```



```
<peer-name>peer-name</peer-name>
</get-lm-peer-information>
</rpc>
```

**Description** Show peer information

**Contents** <peer-name>—Name of peer

---

### <get-lm-peer-statistics>

---

**Usage**

```
<rpc>
<get-lm-peer-statistics>
  <peer-name>peer-name</peer-name>
</get-lm-peer-statistics>
</rpc>
```

**Description** Show link management statistics for a peer

**Contents** <peer-name>—Name of peer

---

### <get-lm-routing-information>

---

**Usage**

```
<rpc>
<get-lm-routing-information>
</get-lm-routing-information>
</rpc>
```

**Description** Show link management information for routing

**Contents** <get-lm-routing-peer-information>—Show peer information

<get-lm-routing-te-link-information>—Show traffic engineering links information

<get-lm-routing-resource-information>—Show resource information

---

### <get-lm-routing-peer-information>

---

**Usage**

```
<rpc>
<get-lm-routing-peer-information>
  <peer-name>peer-name</peer-name>
</get-lm-routing-peer-information>
</rpc>
```

**Description** Show peer information

**Contents** <peer-name>—Name of peer

---

### <get-lm-routing-resource-information>

---

**Usage**

```
<rpc>
  <get-lm-routing-resource-information>
    <resource-name>resource-name</resource-name>
  </get-lm-routing-resource-information>
</rpc>
```

**Description** Show resource information

**Contents** <resource-name>—Name of resource

---

### <get-lm-routing-te-link-information>

---

**Usage**

```
<rpc>
  <get-lm-routing-te-link-information>
    <brief/>
    <detail/>
    <link-name>link-name</link-name>
  </get-lm-routing-te-link-information>
</rpc>
```

**Description** Show traffic engineering links information

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<link-name>—Name of traffic engineering link

---

### <get-lm-statistics-information>

---

**Usage**

```
<rpc>
  <get-lm-statistics-information>
</get-lm-statistics-information>
</rpc>
```

**Description** Show link management statistics

**Contents** <get-lm-peer-statistics>—Show link management statistics for a peer

## <get-lm-te-link-information>

---

**Usage**

```
<rpc>
  <get-lm-te-link-information>
    <brief/>
    <detail/>
    <link-name>link-name</link-name>
  </get-lm-te-link-information>
</rpc>
```

**Description** Show traffic engineering links information

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<link-name>—Name of traffic engineering link

## <get-local-policy-decision-function-flows-interface>

---

**Usage**

```
<rpc>
  <get-local-policy-decision-function-flows-interface>
    <interface-name>interface-name</interface-name>
  </get-local-policy-decision-function-flows-interface>
</rpc>
```

**Description** Show local policy decision function flows by interface name

**Contents** <interface-name>—

## <get-local-policy-decision-function-flows-subscriber>

---

**Usage**

```
<rpc>
  <get-local-policy-decision-function-flows-subscriber>
    <subscriber>subscriber</subscriber>
  </get-local-policy-decision-function-flows-subscriber>
</rpc>
```

**Description** Show local policy decision function flows by subscriber name

**Contents** <subscriber>—

## <get-local-policy-decision-function-statistics-interface>

---

**Usage**

```
<rpc>
  <get-local-policy-decision-function-statistics-interface>
    <interface-name>interface-name</interface-name>
  </get-local-policy-decision-function-statistics-interface>
</rpc>
```

**Description** Show local policy decision function statistics by interface name

**Contents** <interface-name>—

## <get-local-policy-decision-function-statistics-subscriber>

---

**Usage**

```
<rpc>
  <get-local-policy-decision-function-statistics-subscriber>
    <subscriber>subscriber</subscriber>
  </get-local-policy-decision-function-statistics-subscriber>
</rpc>
```

**Description** Show local policy decision function statistics by subscriber name

**Contents** <subscriber>—

## <get-mac-database>

---

**Usage**

```
<rpc>
  <get-mac-database>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
    <mac-address>mac-address</mac-address>
  </get-mac-database>
</rpc>
```

**Description** Show media access control database information

**Contents** <interface-name>—Name of physical or logical interface  
          <mac-address>—MAC address

## <get-mac-ip-binding-information>

---

**Usage**

```
<rpc>
```

```

<get-mac-ip-binding-information>
  <brief/>
  <detail/>
  <l2domain>l2domain</l2domain>
  <mac-address>mac-address</mac-address>
</get-mac-ip-binding-information>
</rpc>

```

**Description** Show Mac ip Binding information

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<l2domain>—L2domain

<mac-address>—Mac address

### <get-mac-rewrite-interface-information>

#### Usage

```

<rpc>
  <get-mac-rewrite-interface-information>
    <brief/>
    <detail/>
    <interface-name>interface-name</interface-name>
  </get-mac-rewrite-interface-information>
</rpc>

```

**Description** Show mac-rewrite interface information

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<interface-name>—Name of interface

### <get-mc-ae-interface-information>

#### Usage

```

<rpc>
  <get-mc-ae-interface-information>
    <id>id</id>
    <unit>unit</unit>
  </get-mc-ae-interface-information>
</rpc>

```

**Description** Show MC-AE configured interface information

**Contents**   <id>—MC-AE id  
              <unit>—Logical interface unit number

---

### <get-mc-ccpc-src-mod-filters>

---

**Usage**

```
<rpc>
  <get-mc-ccpc-src-mod-filters/>
</rpc>
```

**Description**   Show source mod filters

---

### <get-mc-edge-key-to-map-binding>

---

**Usage**

```
<rpc>
  <get-mc-edge-key-to-map-binding>
    <core-key>core-key</core-key> <!-- mandatory -->
  </get-mc-edge-key-to-map-binding>
</rpc>
```

**Description**   Show core-key to member map binding

**Contents**   <core-key>—Core key mapping to be displayed about

---

### <get-mc-edge-map-to-key-binding>

---

**Usage**

```
<rpc>
  <get-mc-edge-map-to-key-binding>
    <core-key>core-key</core-key> <!-- mandatory -->
  </get-mc-edge-map-to-key-binding>
</rpc>
```

**Description**   Show member map to core key binding

**Contents**   <core-key>—Core key mapping to be displayed about

---

### <get-mc-edge-vg-portmap>

---

**Usage**

```
<rpc>
  <get-mc-edge-vg-portmap/>
</rpc>
```

**Description** Show port bitmap per (vlan, group)

---

### <get-mc-nsf>

---

**Usage**

```
<rpc>
  <get-mc-nsf/>
</rpc>
```

**Description** Show multicast non-stop-forwarding information

---

### <get-mc-root-key-to-map-binding>

---

**Usage**

```
<rpc>
  <get-mc-root-key-to-map-binding/>
</rpc>
```

**Description** Show core-key to member map binding

---

### <get-mc-root-map-to-key-binding>

---

**Usage**

```
<rpc>
  <get-mc-root-map-to-key-binding/>
</rpc>
```

**Description** Show member map to core key binding

---

### <get-mc-root-vg-pfemap>

---

**Usage**

```
<rpc>
  <get-mc-root-vg-pfemap/>
</rpc>
```

**Description** Show PFE bitmap per (vlan, group)

---

### <get-mc-vccpdf-adjacency-database>

---

**Usage**

```
<rpc>
  <get-mc-vccpdf-adjacency-database/>
</rpc>
```

**Description** Show VCCPDF adjacencies

## <get-mip-binding-information>

---

**Usage**

```
<rpc>
  <get-mip-binding-information>
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </get-mip-binding-information>
</rpc>
```

**Description** Show binding information

**Contents** <routing-instance>—Name of routing instance

<logical-system>—Name of logical system

<get-nai-mip-binding-information>—Show binding detail based on nai

<get-ip-mip-binding-information>—Show binding detail based on IP address

<get-summary-mip-binding-information>—Show summary of binding table

## <get-mip-ha-interface-information>

---

**Usage**

```
<rpc>
  <get-mip-ha-interface-information>
    <interface-name>interface-name</interface-name>
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </get-mip-ha-interface-information>
</rpc>
```

**Description** Show home-agent details on the interfaces it is running

**Contents** <interface-name>—Show home-agent details based on interface

<routing-instance>—Name of routing instance

<logical-system>—Name of logical system

## <get-mip-ha-overview-information>

---

**Usage**

```
<rpc>
  <get-mip-ha-overview-information>
    <routing-instance>routing-instance</routing-instance>
```



```

    <logical-system>logical-system</logical-system>
  </get-mip-ha-overview-information>
</rpc>

```

**Description** Show overview

**Contents** <routing-instance>—Name of routing instance  
 <logical-system>—Name of logical system

### <get-mip-ha-traffic-information>

---

**Usage**

```

<rpc>
  <get-mip-ha-traffic-information>
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </get-mip-ha-traffic-information>
</rpc>

```

**Description** Show traffic information

**Contents** <routing-instance>—Name of routing instance  
 <logical-system>—Name of logical system

### <get-mip-ha-virtual-network-information>

---

**Usage**

```

<rpc>
  <get-mip-ha-virtual-network-information>
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </get-mip-ha-virtual-network-information>
</rpc>

```

**Description** Show virtual network related information

**Contents** <routing-instance>—Name of routing instance  
 <logical-system>—Name of logical system

### <get-mip-wimax-release-information>

---

**Usage**

```

<rpc>
  <get-mip-wimax-release-information>

```

```
<routing-instance>routing-instance</routing-instance>
<logical-system>logical-system</logical-system>
</get-mip-wimax-release-information>
</rpc>
```

**Description** Show WiMAX release supported by Mobile IP

**Contents** <routing-instance>—Name of routing instance  
            <logical-system>—Name of logical system

---

## <get-mld-group-information>

### Usage

```
<rpc>
<get-mld-group-information>
<logical-system>logical-system</logical-system>
<terse/>
<brief/>
<detail/>
<group-name>group-name</group-name>
</get-mld-group-information>
</rpc>
```

**Description** Show MLD group members

**Contents** <logical-system>—Name of logical system, or 'all'  
            <terse>—Display terse output  
            <brief>—Display brief output (default)  
            <detail>—Display detailed output  
            <group-name>—Name of group

---

## <get-mld-interface-information>

### Usage

```
<rpc>
<get-mld-interface-information>
<logical-system>logical-system</logical-system>
<brief/>
<detail/>
<interface-name>interface-name</interface-name>
</get-mld-interface-information>
</rpc>
```

**Description** Show MLD interfaces

**Contents**    <logical-system>—Name of logical system, or 'all'

                 <brief>—Display brief output (default)

                 <detail>—Display detailed output

                 <interface-name>—Name of interface

---

### <get-mld-output-group-information>

---

**Usage**

```
<rpc>
  <get-mld-output-group-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <group-name>group-name</group-name>
  </get-mld-output-group-information>
</rpc>
```

**Description**    Show MLD output group members

**Contents**    <logical-system>—Name of logical system, or 'all'

                 <brief>—Display brief output (default)

                 <detail>—Display detailed output

                 <group-name>—Name of group

---

### <get-mld-statistics-information>

---

**Usage**

```
<rpc>
  <get-mld-statistics-information>
    <logical-system>logical-system</logical-system>
    <interface>interface</interface>
  </get-mld-statistics-information>
</rpc>
```

**Description**    Show MLD statistics

**Contents**    <logical-system>—Name of logical system, or 'all'

                 <interface>—Name of interface

## <get-mpls-admin-group-extended-information>

---

**Usage**

```
<rpc>
  <get-mpls-admin-group-extended-information>
    <logical-system>logical-system</logical-system>
  </get-mpls-admin-group-extended-information>
</rpc>
```

**Description** Show MPLS extended administrative groups

**Contents** <logical-system>—Name of logical system, or 'all'

## <get-mpls-admin-group-information>

---

**Usage**

```
<rpc>
  <get-mpls-admin-group-information>
    <logical-system>logical-system</logical-system>
  </get-mpls-admin-group-information>
</rpc>
```

**Description** Show MPLS administrative groups

**Contents** <logical-system>—Name of logical system, or 'all'

## <get-mpls-call-admission-control-information>

---

**Usage**

```
<rpc>
  <get-mpls-call-admission-control-information>
    <logical-system>logical-system</logical-system>
    <lsp-name>lsp-name</lsp-name>
  </get-mpls-call-admission-control-information>
</rpc>
```

**Description** Show CAC information for MPLS LSPs

**Contents** <logical-system>—Name of logical system, or 'all'

<lsp-name>—Name of LSP

## <get-mpls-context-identifier-information>

---

**Usage**

```
<rpc>
```

```

<get-mpls-context-identifier-information>
<logical-system>logical-system</logical-system>
<primary/>
<protector/>
<brief/>
<detail/>
<id>id</id>
</get-mpls-context-identifier-information>
</rpc>

```

**Description** Show configured egress protection context identifiers

**Contents** <logical-system>—Name of logical system, or 'all'

<primary>—Display primary context identifier(s)

<protector>—Display protector context identifier(s)

<brief>—Display brief output (default)

<detail>—Display detailed output

<id>—Identifier

### <get-mpls-cspf-information>

---

**Usage**

```

<rpc>
<get-mpls-cspf-information>
<logical-system>logical-system</logical-system>
</get-mpls-cspf-information>
</rpc>

```

**Description** Show Constrained Shortest Path First statistics

**Contents** <logical-system>—Name of logical system, or 'all'

### <get-mpls-diffserv-te-information>

---

**Usage**

```

<rpc>
<get-mpls-diffserv-te-information>
<logical-system>logical-system</logical-system>
</get-mpls-diffserv-te-information>
</rpc>

```

**Description** Show MPLS Differentiated Services traffic engineering global properties

**Contents** <logical-system>—Name of logical system, or 'all'

---

## <get-mpls-interface-information>

---

### Usage

```
<rpc>
  <get-mpls-interface-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
  </get-mpls-interface-information>
</rpc>
```

**Description** Show MPLS interfaces

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

---

## <get-mpls-lsp-defaults-information>

---

### Usage

```
<rpc>
  <get-mpls-lsp-defaults-information>
    <logical-system>logical-system</logical-system>
  </get-mpls-lsp-defaults-information>
</rpc>
```

**Description** Display LSP defaults

**Contents** <logical-system>—Name of logical system, or 'all'

---

## <get-mpls-lsp-information>

---

### Usage

```
<rpc>
  <get-mpls-lsp-information>
    <logical-system>logical-system</logical-system>
    <ingress/>
    <egress/>
    <transit/>
    <terse/>
    <brief/>
    <detail/>
    <extensive/>
    <descriptions/>
    <up/>
  </get-mpls-lsp-information>
</rpc>
```

```
<down/>
<unidirectional/>
<bidirectional/>
<p2mp/>
<statistics/>
<bypass/>
<regex>regex</regex>
</get-mpls-lsp-information>
</rpc>
```

**Description** Show configured label-switched paths

**Contents** <logical-system>—Name of logical system, or 'all'

<ingress>—Display LSPs originating at this router

<egress>—Display LSPs ending at this router

<transit>—Display LSPs transiting this router

<terse>—Display terse output

<brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

<descriptions>—Display LSP description strings

<up>—Display active LSPs

<down>—Display inactive LSPs

<unidirectional>—Display unidirectional LSPs

<bidirectional>—Display bidirectional LSPs

<p2mp>—Display point-to-multipoint LSPs

<statistics>—Display packet statistics for LSPs

<bypass>—Display LSPs used for protecting other LSPs

<get-mpls-lsp-defaults-information>—Display LSP defaults

<regex>—Regular expression for LSP names to match

---

## <get-mpls-path-information>

---

### Usage

```
<rpc>
<get-mpls-path-information>
```

```
<logical-system>logical-system</logical-system>
<path>path</path>
</get-mpls-path-information>
</rpc>
```

**Description** Show configured named paths

**Contents** <logical-system>—Name of logical system, or 'all'

<path>—Name of label-switched path

---

## <get-mpls-static-lsp-information>

---

### Usage

```
<rpc>
<get-mpls-static-lsp-information>
<logical-system>logical-system</logical-system>
<bypass/>
<ingress/>
<transit/>
<terse/>
<brief/>
<detail/>
<extensive/>
<descriptions/>
<statistics/>
<up/>
<down/>
<regex>regex</regex>
</get-mpls-static-lsp-information>
</rpc>
```

**Description** Show configured static label-switched paths

**Contents** <logical-system>—Name of logical system, or 'all'

<bypass>—Display bypass LSPs originating at this router

<ingress>—Display LSPs originating at this router

<transit>—Display LSPs transiting this router

<terse>—Display terse output

<brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

<descriptions>—Display LSP description strings



- <statistics>—Display packet statistics for LSPs
- <up>—Display active LSPs
- <down>—Display inactive LSPs
- <regex>—Regular expression for LSP names to match

---

## <get-msdp-source-active-information>

---

### Usage

```
<rpc>
  <get-msdp-source-active-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <group>group</group>
    <source>source</source>
    <peer>peer</peer>
    <local/>
    <originator>originator</originator>
    <brief/>
    <detail/>
  </get-msdp-source-active-information>
</rpc>
```

**Description** Show the source-active (SA) cache

**Contents**

- <logical-system>—Name of logical system, or 'all'
- <instance>—Name of instance
- <group>—Name of group
- <source>—Name of source
- <peer>—IPv4 address of peer
- <local>—Display SA cache entries originating at this router
- <originator>—IPv4 address of peer that originated SA cache entries
- <brief>—Display brief output (default)
- <detail>—Display detailed output

---

## <get-msdp-source-information>

---

### Usage

```
<rpc>
  <get-msdp-source-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
```

```
<source>source</source>
</get-msdp-source-information>
</rpc>
```

**Description** Show multicast sources learned from MSDP

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of instance

<source>—IP address and optional prefix length of source

---

## <get-msdp-statistics-information>

### Usage

```
<rpc>
<get-msdp-statistics-information>
<logical-system>logical-system</logical-system>
<instance>instance</instance>
<peer>peer</peer>
</get-msdp-statistics-information>
</rpc>
```

**Description** Show MSDP statistics

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of instance

<peer>—IPv4 address and optional prefix length of MSDP peers

---

## <get-msp-session-table>

### Usage

```
<rpc>
<get-msp-session-table>
<all/>
<limit>limit</limit>
<extensive/>
<brief/>
<terse/>
<source-prefix>source-prefix</source-prefix>
<destination-prefix>destination-prefix</destination-prefix>
<source-port>source-port</source-port>
<destination-port>destination-port</destination-port>
<protocol>protocol</protocol>
<service-set>service-set</service-set>
<interface>interface</interface>
<application-protocol>application-protocol</application-protocol>
<get-service-msp-sess-count-information/>
```

```
</get-msp-session-table>  
</rpc>
```

**Description** Show session table entries

**Contents** <all>—Display all the entries

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type

- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<limit>—Maximum number of entries to display

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol

- `egp` - Exterior gateway protocol
- `udp` - User Datagram Protocol
- `rsvp` - Resource Reservation Protocol
- `gre` - Generic routing encapsulation
- `esp` - IPSec Encapsulating Security Payload
- `ah` - IP Security authentication header
- `icmp6` - Internet Control Message Protocol Version 6
- `ospf` - Open Shortest Path First
- `pim` - Protocol Independent Multicast
- `sctp` - Stream Control Transmission Protocol
- `number` - Numeric protocol value (0 .. 255)
- `bootp` - Bootstrap protocol
- `dce-rpc` - DCE RPC
- `dce-rpc-portmap` - DCE RPC portmap
- `dns` - Domain Name Service
- `exec` - Remote Execution Protocol
- `ftp` - File Transfer Protocol
- `gprs-gtp-c` - GPRS Tunneling Control Plane
- `gprs-gtp-u` - GPRS Tunneling User Plane
- `gprs-gtp-v0` - GPRS Tunneling Version 0
- `gprs-sctp` - GPRS Stream Control Protocol
- `h323` - H.323
- `icmp` - ICMP
- `ignore` - Ignore application type
- `iiop` - Internet Inter-ORB Protocol
- `ike-esp-nat` - IKE/ESP with NAT
- `ip` - IP
- `login` - Login
- `mgcp-ca` - MGCP-CA
- `mgcp-ua` - MGCP-UA
- `ms-rpc` - Microsoft RPC
- `netbios` - NetBIOS
- `netshow` - NetShow

- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<extensive>—Display extensive output

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast

- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol

- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<brief>—Display brief output (default)

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane



- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol

- traceroute - Traceroute
- winframe - WinFrame

<terse>—Display terse output

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT

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- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<source-prefix>—Source prefix to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol

- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
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- iiop - Internet Inter-ORB Protocol
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- mgcp-ua - MGCP-UA
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- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931

- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
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- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<destination-prefix>—Destination prefix to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell

- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<source-port>—Source port to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0

- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
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- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
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- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
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- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<destination-port>—Destination port to use as filter



- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
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- mgcp-ca - MGCP-CA

- mgcp-ua - MGCP-UA
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- netbios - NetBIOS
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- q931 - Q.931
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- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<protocol>—IP protocol type to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload

- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
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- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
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- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
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- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
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- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC

- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
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- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<service-set>—Name of service set

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
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- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
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- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<interface>—Name of extension provider interface

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0

- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
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- ms-rpc - Microsoft RPC
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- rpc-portmap - RPC portmap
- rsh - Remote Shell
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- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<application-protocol>—Application protocol type to use as filter

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
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- ras - RAS
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- rpc-portmap - RPC portmap
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- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<get-service-msp-sess-count-information>—Show count of matching entries

---

## <get-mspinfo-connections>

### Usage

```
<rpc>
  <get-mspinfo-connections>
    <inet/>
    <inet6/>
    <extensive/>
    <show-routing-instances/>
    <interface>interface</interface>
  </get-mspinfo-connections>
</rpc>
```

**Description** Show connection activity on the extension provider PIC

**Contents**

- <inet>—Display IPv4 connections
- <inet6>—Display IPv6 connections
- <extensive>—Display extensive output
- <show-routing-instances>—Display routing instances
- <interface>—Name of extension provider interface

---

## <get-mspinfo-packages>

### Usage

```
<rpc>
  <get-mspinfo-packages>
    <detail/>
    <interface>interface</interface>
  </get-mspinfo-packages>
</rpc>
```



**Description** Show packages loaded on the extension provider PIC

**Contents** <detail>—  
 <interface>—Name of extension provider interface

### <get-mspinfo-processes>

---

**Usage**

```
<rpc>
  <get-mspinfo-processes>
    <detail/>
    <wide/>
    <interface>interface</interface>
  </get-mspinfo-processes>
</rpc>
```

**Description** Show system process table on the extension provider PIC

**Contents** <detail>—Display detailed output  
 <wide>—Display information even if wider than 80 columns  
 <get-mspinfo-processes-brief>—Display brief output  
 <get-mspinfo-processes-extensive>—Display brief output  
 <interface>—Name of extension provider interface

### <get-mspinfo-processes-brief>

---

**Usage**

```
<rpc>
  <get-mspinfo-processes-brief>
    <interface>interface</interface>
  </get-mspinfo-processes-brief>
</rpc>
```

**Description** Display brief output

**Contents** <interface>—Name of extension provider interface

### <get-mspinfo-processes-extensive>

---

**Usage**

```
<rpc>
  <get-mspinfo-processes-extensive>
    <interface>interface</interface>
```

```
</get-mspinfo-processes-extensive>
</rpc>
```

**Description** Display brief output

**Contents** <interface>—Name of extension provider interface

---

## <get-mspinfo-uptime>

---

### Usage

```
<rpc>
<get-mspinfo-uptime>
<interface>interface</interface>
</get-mspinfo-uptime>
</rpc>
```

**Description** Show uptime on the extension provider PIC

**Contents** <interface>—Name of extension provider interface

---

## <get-mspinfo-virtual-memory>

---

### Usage

```
<rpc>
<get-mspinfo-virtual-memory>
<interface>interface</interface>
</get-mspinfo-virtual-memory>
</rpc>
```

**Description** Show kernel dynamic memory usage on the extension provider PIC

**Contents** <interface>—Name of extension provider interface

---

## <get-mstp-configuration-information>

---

### Usage

```
<rpc>
<get-mstp-configuration-information>
<brief/>
<detail/>
<logical-system>logical-system</logical-system>
<routing-instance>routing-instance</routing-instance>
</get-mstp-configuration-information>
</rpc>
```

**Description** Show MSTP configuration

**Contents**    <brief>—Display brief output (default)

                 <detail>—Display detailed output

                 <logical-system>—Name of logical system

                 <routing-instance>—Name of routing instance

## <get-multicast-backup-pe-address-information>

---

### Usage

```
<rpc>
  <get-multicast-backup-pe-address-information>
    <logical-system>logical-system</logical-system>
    <pe_address>pe_address</pe_address> <!-- mandatory -->
  </get-multicast-backup-pe-address-information>
</rpc>
```

**Description**    Show groups a PE address is associated with

**Contents**    <logical-system>—Name of logical system, or 'all'

                 <pe\_address>—IP address of the PE

## <get-multicast-backup-pe-groups-information>

---

### Usage

```
<rpc>
  <get-multicast-backup-pe-groups-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
  </get-multicast-backup-pe-groups-information>
</rpc>
```

**Description**    Show backup PE groups

**Contents**    <logical-system>—Name of logical system, or 'all'

                 <instance>—Name of instance

                 <group>—Show information for specified group

                 <get-multicast-backup-pe-address-information>—Show groups a PE address is associated with

## <get-multicast-flow-maps-information>

---

### Usage

```
<rpc>
```

```
<get-multicast-flow-maps-information>
<logical-system>logical-system</logical-system>
<brief/>
<detail/>
</get-multicast-flow-maps-information>
</rpc>
```

**Description** Show configured flow maps

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

---

## <get-multicast-interface-information>

### Usage

```
<rpc>
<get-multicast-interface-information>
<logical-system>logical-system</logical-system>
</get-multicast-interface-information>
</rpc>
```

**Description** Show configured interfaces

**Contents** <logical-system>—Name of logical system, or 'all'

---

## <get-multicast-next-hops-information>

### Usage

```
<rpc>
<get-multicast-next-hops-information>
<logical-system>logical-system</logical-system>
<brief/>
<detail/>
<identifier>identifier</identifier>
<inet/>
<inet6/>
</get-multicast-next-hops-information>
</rpc>
```

**Description** Show the multicast next-hop table

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

<identifier>—ID of next hop

<inet>—Display IPv4 information

<inet6>—Display IPv6 information

---

### <get-multicast-pim-to-igmp-proxy-information>

---

#### Usage

```
<rpc>
  <get-multicast-pim-to-igmp-proxy-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
  </get-multicast-pim-to-igmp-proxy-information>
</rpc>
```

**Description** Show pim-to-igmp-proxy information

**Contents** <logical-system>—Name of logical system, or 'all'  
<instance>—Name of instance

---

### <get-multicast-pim-to-mld-proxy-information>

---

#### Usage

```
<rpc>
  <get-multicast-pim-to-mld-proxy-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
  </get-multicast-pim-to-mld-proxy-information>
</rpc>
```

**Description** Show pim-to-mld-proxy information

**Contents** <logical-system>—Name of logical system, or 'all'  
<instance>—Name of instance

---

### <get-multicast-route-information>

---

#### Usage

```
<rpc>
  <get-multicast-route-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <all/>
    <active/>
  </get-multicast-route-information>
</rpc>
```

```
<inactive/>
<brief/>
<detail/>
<extensive/>
<inet/>
<inet6/>
<group>group</group>
<source-prefix>source-prefix</source-prefix>
<regexp>regexp</regexp>
</get-multicast-route-information>
</rpc>
```

**Description** Show the multicast routing table

**Contents**

- <logical-system>—Name of logical system, or 'all'
- <instance>—Name of instance
- <all>—Display all route entries
- <active>—Display active route entries
- <inactive>—Display inactive route entries
- <brief>—Display brief output (default)
- <detail>—Display detailed output
- <extensive>—Display extensive output
- <inet>—Display IPv4 information
- <inet6>—Display IPv6 information
- <group>—IP address and optional prefix length of group
- <source-prefix>—IP address and optional prefix length of source for routes
- <regexp>—Regular expression for session to match

---

## <get-multicast-rpf-information>

---

### Usage

```
<rpc>
  <get-multicast-rpf-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <summary/>
    <prefix>prefix</prefix>
    <inet/>
    <inet6/>
  </get-multicast-rpf-information>
```

```
</rpc>
```

**Description** Show reverse-path forwarding (RPF) source network information

**Contents**

```
<logical-system>—Name of logical system, or 'all'

<instance>—Name of instance

<summary>—Display summary output

<prefix>—IP address and optional prefix length of host

<inet>—Display RPF information for IPv4

<inet6>—Display RPF information for IPv6
```

## <get-multicast-scope-information>

---

### Usage

```
<rpc>
  <get-multicast-scope-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <inet/>
    <inet6/>
  </get-multicast-scope-information>
</rpc>
```

**Description** Show administratively scoped multicast information

**Contents**

```
<logical-system>—Name of logical system, or 'all'

<instance>—Name of instance

<inet>—Display IPv4 information

<inet6>—Display IPv6 information
```

## <get-multicast-sessions-information>

---

### Usage

```
<rpc>
  <get-multicast-sessions-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <extensive/>
    <regexp>regexp</regexp>
  </get-multicast-sessions-information>
```

</rpc>

**Description** Show announced multicast sessions

**Contents** <logical-system>—Name of logical system, or 'all'  
  
<brief>—Display brief output (default)  
  
<detail>—Display detailed output  
  
<extensive>—Display extensive output  
  
<regexp>—Regular expression for sessions to match

---

### <get-multicast-snooping-next-hops-information>

---

**Usage**

```
<rpc>  
  <get-multicast-snooping-next-hops-information>  
    <brief/>  
    <detail/>  
    <identifier>identifier</identifier>  
  </get-multicast-snooping-next-hops-information>  
</rpc>
```

**Description** Show the multicast next-hop snooping table

**Contents** <brief>—Display brief output (default)  
  
<detail>—Display detailed output  
  
<identifier>—ID of next hop

---

### <get-multicast-snooping-route-information>

---

**Usage**

```
<rpc>  
  <get-multicast-snooping-route-information>  
    <all/>  
    <active/>  
    <inactive/>  
    <brief/>  
    <detail/>  
    <extensive/>  
    <vlan-id>vlan-id</vlan-id>  
    <mesh-group>mesh-group</mesh-group>  
    <group>group</group>  
    <source-prefix>source-prefix</source-prefix>  
    <regexp>regexp</regexp>  
    <bridge-domain>bridge-domain</bridge-domain>
```



```

    <instance>instance</instance>
  </get-multicast-snooping-route-information>
</rpc>

```

**Description** Show the multicast snooping routing table

**Contents**

- <all>—Display all route entries
- <active>—Display active route entries
- <inactive>—Display inactive route entries
- <brief>—Display brief output (default)
- <detail>—Display detailed output
- <extensive>—Display extensive output
- <vlan-id>—VLAN ID for a learning domain
- <mesh-group>—Name of a mesh-group
- <group>—IP address and optional prefix length of group
- <source-prefix>—IP address and optional prefix length of source
- <regexp>—Regular expression for session to match
- <bridge-domain>—Name of bridge-domain
- <instance>—Name of routing-instance

## <get-multicast-statistics-information>

---

### Usage

```

<rpc>
  <get-multicast-statistics-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <inet/>
    <inet6/>
  </get-multicast-statistics-information>
</rpc>

```

**Description** Show multicast statistics

**Contents**

- <logical-system>—Name of logical system, or 'all'
- <instance>—Name of instance
- <inet>—Display statistics for IPv4

<inet6>—Display statistics for IPv6

---

## <get-multicast-usage-information>

---

### Usage

```
<rpc>
  <get-multicast-usage-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <brief/>
    <detail/>
    <inet/>
    <inet6/>
  </get-multicast-usage-information>
</rpc>
```

**Description** Show multicast usage information

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of instance

<brief>—Display brief output (default)

<detail>—Display detailed output

<inet>—Display IPv4 information

<inet6>—Display IPv6 information

---

## <get-mvpn-instance-information>

---

### Usage

```
<rpc>
  <get-mvpn-instance-information>
    <logical-system>logical-system</logical-system>
    <instance-name>instance-name</instance-name>
    <summary/>
    <extensive/>
  </get-mvpn-instance-information>
</rpc>
```

**Description** Show MVPN instance

**Contents** <logical-system>—Name of logical system, or 'all'

<instance-name>—Name of MVPN instance

<summary>—Display summary output

<extensive>—Display detailed version of output

## <get-mvrp-applicant-information>

### Usage

```
<rpc>
  <get-mvrp-applicant-information>
    <logical-system>logical-system</logical-system>
    <routing-instance>routing-instance</routing-instance>
    <interface>interface</interface>
    <vlan>vlan</vlan>
  </get-mvrp-applicant-information>
</rpc>
```

**Description** Show MVRP applicant state

**Contents** <logical-system>—Name of logical system

<routing-instance>—Name of routing instance

<interface>—Name of interface

<vlan>—VLAN ID

## <get-mvrp-dynamic-vlan-memberships>

### Usage

```
<rpc>
  <get-mvrp-dynamic-vlan-memberships>
    <logical-system>logical-system</logical-system>
    <routing-instance>routing-instance</routing-instance>
    <vlan>vlan</vlan>
    <interface>interface</interface>
  </get-mvrp-dynamic-vlan-memberships>
</rpc>
```

**Description** Show MVRP dynamic VLAN memberships

**Contents** <logical-system>—Name of logical system

<routing-instance>—Name of routing instance

<vlan>—VLAN ID

<interface>—Name of interface

## <get-mvrp-information>

---

**Usage**

```
<rpc>
  <get-mvrp-information>
    <logical-system>logical-system</logical-system>
    <routing-instance>routing-instance</routing-instance>
  </get-mvrp-information>
</rpc>
```

**Description** Show MVRP Protocol information

**Contents** <logical-system>—Name of logical system

<routing-instance>—Name of routing instance

<get-mvrp-interface-information>—Show MVRP interface information

<get-mvrp-registration-state>—Show MVRP registration state

<get-mvrp-applicant-information>—Show MVRP applicant state

<get-mvrp-interface-statistics>—Show MVRP interface statistics

<get-mvrp-dynamic-vlan-memberships>—Show MVRP dynamic VLAN memberships

## <get-mvrp-interface-information>

---

**Usage**

```
<rpc>
  <get-mvrp-interface-information>
    <logical-system>logical-system</logical-system>
    <routing-instance>routing-instance</routing-instance>
    <interface>interface</interface>
  </get-mvrp-interface-information>
</rpc>
```

**Description** Show MVRP interface information

**Contents** <logical-system>—Name of logical system

<routing-instance>—Name of routing instance

<interface>—Name of interface

## <get-mvrp-interface-statistics>

---

**Usage**

```
<rpc>
```

```

<get-mvrp-interface-statistics>
  <logical-system>logical-system</logical-system>
  <routing-instance>routing-instance</routing-instance>
  <interface>interface</interface>
</get-mvrp-interface-statistics>
</rpc>

```

**Description** Show MVRP interface statistics

**Contents** <logical-system>—Name of logical system

<routing-instance>—Name of routing instance

<interface>—Name of interface

### <get-mvrp-registration-state>

---

**Usage**

```

<rpc>
  <get-mvrp-registration-state>
    <logical-system>logical-system</logical-system>
    <routing-instance>routing-instance</routing-instance>
    <interface>interface</interface>
    <vlan>vlan</vlan>
  </get-mvrp-registration-state>
</rpc>

```

**Description** Show MVRP registration state

**Contents** <logical-system>—Name of logical system

<routing-instance>—Name of routing instance

<interface>—Name of interface

<vlan>—VLAN ID

### <get-nai-mip-binding-information>

---

**Usage**

```

<rpc>
  <get-nai-mip-binding-information>
    <network-access-identifier>network-access-identifier</network-access-identifier>
  <!-- mandatory -->
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </get-nai-mip-binding-information>
</rpc>

```

**Description** Show binding detail based on nai

**Contents** <network-access-identifier>—Show binding detail based on nai  
<routing-instance>—Name of routing instance  
<logical-system>—Name of logical system

---

### <get-operational-routing-instance-information>

---

**Usage**

```
<rpc>  
  <get-operational-routing-instance-information/>  
</rpc>
```

**Description** Show operational routing instances

---

### <get-ospf-backup-coverage-information>

---

**Usage**

```
<rpc>  
  <get-ospf-backup-coverage-information>  
    <logical-system>logical-system</logical-system>  
    <instance>instance</instance>  
    <topology>topology</topology>  
  </get-ospf-backup-coverage-information>  
</rpc>
```

**Description** Show OSPF backup coverage

**Contents** <logical-system>—Name of logical system, or 'all'

- default - Default topology
- ipv4-multicast - IPv4 multicast topology
- name - Topology name

<instance>—Name of OSPF instance

- default - Default topology
- ipv4-multicast - IPv4 multicast topology
- name - Topology name

<topology>—Name of topology

- default - Default topology
- ipv4-multicast - IPv4 multicast topology

- name - Topology name

## <get-ospf-backup-lsp-information>

---

### Usage

```
<rpc>
  <get-ospf-backup-lsp-information>
    <logical-system>logical-system</logical-system>
  </get-ospf-backup-lsp-information>
</rpc>
```

**Description** Show OSPF MPLS backup LSP information

**Contents** <logical-system>—Name of logical system, or 'all'

## <get-ospf-backup-neighbor-information>

---

### Usage

```
<rpc>
  <get-ospf-backup-neighbor-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <topology>topology</topology>
    <area>area</area>
  </get-ospf-backup-neighbor-information>
</rpc>
```

**Description** Show OSPF backup neighbors

**Contents** <logical-system>—Name of logical system, or 'all'

- default - Default topology
- ipv4-multicast - IPv4 multicast topology
- name - Topology name

<instance>—Name of OSPF instance

- default - Default topology
- ipv4-multicast - IPv4 multicast topology
- name - Topology name

<topology>—Name of topology

- default - Default topology
- ipv4-multicast - IPv4 multicast topology
- name - Topology name

<area>—OSPF area ID

---

## <get-ospf-backup-spf-information>

---

### Usage

```
<rpc>
  <get-ospf-backup-spf-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <topology>topology</topology>
    <area>area</area>
    <no-coverage/>
    <node-id>node-id</node-id>
    <brief/>
    <detail/>
  </get-ospf-backup-spf-information>
</rpc>
```

**Description** Show OSPF backup SPF calculations information

**Contents** <logical-system>—Name of logical system, or 'all'

- default - Default topology
- ipv4-multicast - IPv4 multicast topology
- name - Topology name

<instance>—Name of OSPF instance

- default - Default topology
- ipv4-multicast - IPv4 multicast topology
- name - Topology name

<topology>—Name of topology

- default - Default topology
- ipv4-multicast - IPv4 multicast topology
- name - Topology name

<area>—OSPF area ID

<no-coverage>—Entries with no backup coverage

<node-id>—Display nodes matching the node-id

<brief>—Display brief output (default)

<detail>—Display detailed output



## <get-ospf-context-id-information>

### Usage

```

<rpc>
  <get-ospf-context-id-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <context-id>context-id</context-id>
    <area>area</area>
    <instance>instance</instance>
  </get-ospf-context-id-information>
</rpc>

```

**Description** Show OSPF context identifier information

**Contents**

- <logical-system>—Name of logical system, or 'all'
- <brief>—Display brief output (default)
- <detail>—Display detailed output
- <context-id>—IP address representing a context identifier
- <area>—OSPF area ID
- <instance>—Name of OSPF instance

## <get-ospf-database-information>

### Usage

```

<rpc>
  <get-ospf-database-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <extensive/>
    <summary/>
    <router/>
    <network/>
    <netsummary/>
    <asbrsummary/>
    <external/>
    <nssa/>
    <link-local/>
    <opaque-area/>
    <area>area</area>
    <lsa-id>lsa-id</lsa-id>
    <advertising-router>advertising-router</advertising-router>
    <instance>instance</instance>
  </get-ospf-database-information>

```

</rpc>

**Description** Show OSPF link-state database

**Contents** <logical-system>—Name of logical system, or 'all'

- self - Router ID of this router
- router-id - Router ID of advertising router

<brief>—Display brief output (default)

- self - Router ID of this router
- router-id - Router ID of advertising router

<detail>—Display detailed output

- self - Router ID of this router
- router-id - Router ID of advertising router

<extensive>—Display extensive output

- self - Router ID of this router
- router-id - Router ID of advertising router

<summary>—Display summary output

- self - Router ID of this router
- router-id - Router ID of advertising router

<router>—Router link-state advertisements

- self - Router ID of this router
- router-id - Router ID of advertising router

<network>—Network link-state advertisements

- self - Router ID of this router
- router-id - Router ID of advertising router

<netsummary>—Summary network link-state advertisements

- self - Router ID of this router
- router-id - Router ID of advertising router

<asbrsummary>—Summary AS boundary router link-state advertisements

- self - Router ID of this router
- router-id - Router ID of advertising router

<external>—External link-state advertisements

- self - Router ID of this router
- router-id - Router ID of advertising router

<nssa>—Not-so-stubby area link-state advertisements

- self - Router ID of this router
- router-id - Router ID of advertising router

<link-local>—Link local link-state advertisements

- self - Router ID of this router
- router-id - Router ID of advertising router

<opaque-area>—Opaque area-scope link-state advertisements

- self - Router ID of this router
- router-id - Router ID of advertising router

<area>—OSPF area ID

- self - Router ID of this router
- router-id - Router ID of advertising router

<lsa-id>—Link-state advertisement ID

- self - Router ID of this router
- router-id - Router ID of advertising router

<advertising-router>—Router ID of advertising router

- self - Router ID of this router
- router-id - Router ID of advertising router

<instance>—Name of OSPF instance

---

## <get-ospf-interface-information>

---

### Usage

```
<rpc>
  <get-ospf-interface-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <extensive/>
    <interface-name>interface-name</interface-name>
    <area>area</area>
    <instance>instance</instance>
  </get-ospf-interface-information>
```

</rpc>

**Description** Show OSPF interface status information

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

<interface-name>—Name of logical interface

<area>—OSPF area ID

<instance>—Name of OSPF instance

---

## <get-ospf-io-statistics-information>

---

### Usage

```
<rpc>
  <get-ospf-io-statistics-information>
    <logical-system>logical-system</logical-system>
  </get-ospf-io-statistics-information>
</rpc>
```

**Description** Show OSPF I/O statistics

**Contents** <logical-system>—Name of logical system, or 'all'

---

## <get-ospf-log-information>

---

### Usage

```
<rpc>
  <get-ospf-log-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <topology>topology</topology>
  </get-ospf-log-information>
</rpc>
```

**Description** Show shortest-path-first calculations from OSPF log

**Contents** <logical-system>—Name of logical system, or 'all'

- default - Default topology
- ipv4-multicast - IPv4 multicast topology

- name - Topology name

<instance>—Name of OSPF instance

- default - Default topology
- ipv4-multicast - IPv4 multicast topology
- name - Topology name

<topology>—Name of topology

- default - Default topology
- ipv4-multicast - IPv4 multicast topology
- name - Topology name

## <get-ospf-neighbor-information>

### Usage

```
<rpc>
<get-ospf-neighbor-information>
<logical-system>logical-system</logical-system>
<brief/>
<detail/>
<extensive/>
<interface>interface</interface>
<area>area</area>
<neighbor>neighbor</neighbor>
<instance>instance</instance>
</get-ospf-neighbor-information>
</rpc>
```

**Description** Show OSPF neighbor status information

**Contents** <logical-system>—Name of logical system, or 'all'

- all - Show all instances
- instance-name - Name of OSPF instance

<brief>—Display brief output (default)

- all - Show all instances
- instance-name - Name of OSPF instance

<detail>—Display detailed output

- all - Show all instances
- instance-name - Name of OSPF instance

<extensive>—Display extensive output

- all - Show all instances
- instance-name - Name of OSPF instance

<interface>—Name of logical interface

- all - Show all instances
- instance-name - Name of OSPF instance

<area>—OSPF area ID

- all - Show all instances
- instance-name - Name of OSPF instance

<neighbor>—IP address or ID of neighbor

- all - Show all instances
- instance-name - Name of OSPF instance

<instance>—Name of OSPF instance

- all - Show all instances
- instance-name - Name of OSPF instance

---

## <get-ospf-overview-information>

---

### Usage

```
<rpc>
  <get-ospf-overview-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <extensive/>
    <instance>instance</instance>
  </get-ospf-overview-information>
</rpc>
```

**Description** Show overview of OSPF information

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<extensive>—Display extensive output

<instance>—Name of OSPF instance

## <get-ospf-route-information>

### Usage

```

<rpc>
  <get-ospf-route-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <topology>topology</topology>
    <intra/>
    <inter/>
    <extern/>
    <router/>
    <abr/>
    <asbr/>
    <network/>
    <no-backup-coverage/>
    <destination>destination</destination>
    <brief/>
    <detail/>
    <extensive/>
  </get-ospf-route-information>
</rpc>

```

**Description** Show OSPF routing table

**Contents** <logical-system>—Name of logical system, or 'all'

- default - Default topology
- ipv4-multicast - IPv4 multicast topology
- name - Topology name

<instance>—Name of OSPF instance

- default - Default topology
- ipv4-multicast - IPv4 multicast topology
- name - Topology name

<topology>—Name of topology

- default - Default topology
- ipv4-multicast - IPv4 multicast topology
- name - Topology name

<intra>—Display intra-area routes

<inter>—Display inter-area routes

<extern>—Display external routes

<router>—Display routes to all routers

<abr>—Display routes to area border routers

<asbr>—Display routes to AS border routers

<network>—Display routes to networks

<no-backup-coverage>—Display routes with no backup coverage

<destination>—IP address and optional prefix length of destination

<brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

---

## <get-ospf-statistics-information>

### Usage

```
<rpc>
  <get-ospf-statistics-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
  </get-ospf-statistics-information>
</rpc>
```

**Description** Show OSPF statistics

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of OSPF instance

---

## <get-ospf3-backup-coverage-information>

### Usage

```
<rpc>
  <get-ospf3-backup-coverage-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <realm>realm</realm>
  </get-ospf3-backup-coverage-information>
</rpc>
```

**Description** Show OSPFv3 backup coverage

**Contents** <logical-system>—Name of logical system, or 'all'

- ipv6-multicast - IPv6 multicast realm



- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<instance>—Name of OSPF instance

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<realm>—Name of realm

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

## <get-ospf3-backup-lsp-information>

### Usage

```
<rpc>
<get-ospf3-backup-lsp-information>
<logical-system>logical-system</logical-system>
<realm>realm</realm>
</get-ospf3-backup-lsp-information>
</rpc>
```

**Description** Show OSPFv3 MPLS backup LSP information

**Contents** <logical-system>—Name of logical system, or 'all'

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<realm>—Name of realm

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

## <get-ospf3-backup-neighbor-information>

### Usage

```
<rpc>
<get-ospf3-backup-neighbor-information>
<logical-system>logical-system</logical-system>
```

```
<instance>instance</instance>
<area>area</area>
</get-ospf3-backup-neighbor-information>
</rpc>
```

**Description** Show OSPFv3 backup neighbors

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of OSPF instance

<area>—OSPF area ID

---

## <get-ospf3-backup-spf-information>

---

### Usage

```
<rpc>
<get-ospf3-backup-spf-information>
<logical-system>logical-system</logical-system>
<instance>instance</instance>
<realm>realm</realm>
<area>area</area>
<no-coverage/>
<node-id>node-id</node-id>
<brief/>
<detail/>
</get-ospf3-backup-spf-information>
</rpc>
```

**Description** Show OSPFv3 backup SPF calculations information

**Contents** <logical-system>—Name of logical system, or 'all'

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<instance>—Name of OSPF instance

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<realm>—Name of realm

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm

- ipv4-multicast - IPv4 multicast realm

<area>—OSPF area ID

<no-coverage>—Entries with no backup coverage

<node-id>—Display nodes matching the node-id

<brief>—Display brief output (default)

<detail>—Display detailed output

## <get-ospf3-database-information>

### Usage

```
<rpc>
<get-ospf3-database-information>
<logical-system>logical-system</logical-system>
<brief/>
<detail/>
<extensive/>
<summary/>
<router/>
<network/>
<inter-area-prefix/>
<inter-area-router/>
<external/>
<nssa/>
<link/>
<link-local/>
<intra-area-prefix/>
<area>area</area>
<lsa-id>lsa-id</lsa-id>
<advertising-router>advertising-router</advertising-router>
<instance>instance</instance>
<realm>realm</realm>
</get-ospf3-database-information>
</rpc>
```

**Description** Show OSPFv3 link-state database

**Contents** <logical-system>—Name of logical system, or 'all'

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<brief>—Display brief output (default)

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<detail>—Display detailed output

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<extensive>—Display extensive output

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<summary>—Display summary output

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<router>—Router LSAs

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<network>—Network LSAs

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<inter-area-prefix>—Inter-area-prefix LSAs

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<inter-area-router>—Inter-area-router LSAs

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<external>—External LSAs

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<nssa>—NSSA LSAs

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<link>—Link LSAs

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<link-local>—Link-local LSAs

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<intra-area-prefix>—Intra-area-prefix LSAs

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<area>—Area ID of OSPFv3 area

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<lsa-id>—ID of link-state advertisement

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<advertising-router>—Router ID of advertising router

- self - Router ID of this router
- router-id - Router ID of advertising router
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<instance>—Name of OSPFv3 instance

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<realm>—Name of realm

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

## <get-ospf3-interface-information>

### Usage

```
<rpc>
  <get-ospf3-interface-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <extensive/>
    <interface-name>interface-name</interface-name>
    <area>area</area>
    <instance>instance</instance>
    <realm>realm</realm>
  </get-ospf3-interface-information>
</rpc>
```

**Description** Show OSPFv3 interface status

**Contents** <logical-system>—Name of logical system, or 'all'

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<brief>—Display brief output (default)

- ipv6-multicast - IPv6 multicast realm

- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<detail>—Display detailed output

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<extensive>—Display extensive output

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<interface-name>—Name of logical interface

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<area>—OSPF area ID

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<instance>—Name of OSPFv3 instance

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<realm>—Name of realm

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

---

## <get-ospf3-io-statistics-information>

---

### Usage

```
<rpc>  
<get-ospf3-io-statistics-information>  
<logical-system>logical-system</logical-system>
```



```

    </get-ospf3-io-statistics-information>
  </rpc>

```

**Description** Show OSPFv3 I/O statistics

**Contents** <logical-system>—Name of logical system, or 'all'

## <get-ospf3-log-information>

### Usage

```

<rpc>
  <get-ospf3-log-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <realm>realm</realm>
  </get-ospf3-log-information>
</rpc>

```

**Description** Show OSPFv3 SPF log

**Contents** <logical-system>—Name of logical system, or 'all'

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<instance>—Name of OSPFv3 instance

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<realm>—Name of realm

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

## <get-ospf3-neighbor-information>

### Usage

```

<rpc>
  <get-ospf3-neighbor-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>

```

```
<extensive/>
<interface>interface</interface>
<area>area</area>
<neighbor>neighbor</neighbor>
<instance>instance</instance>
<realm>realm</realm>
</get-ospf3-neighbor-information>
</rpc>
```

**Description** Show OSPFv3 neighbor status

**Contents** <logical-system>—Name of logical system, or 'all'

- all - Show all instances
- instance-name - Name of OSPFv3 instance
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<brief>—Display brief output (default)

- all - Show all instances
- instance-name - Name of OSPFv3 instance
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<detail>—Display detailed output

- all - Show all instances
- instance-name - Name of OSPFv3 instance
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<extensive>—Display extensive output

- all - Show all instances
- instance-name - Name of OSPFv3 instance
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<interface>—Name of logical interface

- all - Show all instances
- instance-name - Name of OSPFv3 instance
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<area>—OSPF area ID

- all - Show all instances
- instance-name - Name of OSPFv3 instance
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<neighbor>—IP address or ID of neighbor

- all - Show all instances
- instance-name - Name of OSPFv3 instance
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<instance>—Name of OSPFv3 instance

- all - Show all instances
- instance-name - Name of OSPFv3 instance
- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<realm>—Name of realm

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

---

## <get-ospf3-overview-information>

### Usage

<rpc>

```
<get-ospf3-overview-information>
<logical-system>logical-system</logical-system>
<brief/>
<extensive/>
<instance>instance</instance>
<realm>realm</realm>
</get-ospf3-overview-information>
</rpc>
```

**Description** Show overview of OSPFv3 information

**Contents** <logical-system>—Name of logical system, or 'all'

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<brief>—Display brief output (default)

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<extensive>—Display extensive output

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<instance>—Name of OSPFv3 instance

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<realm>—Name of realm

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

---

## <get-ospf3-route-information>

### Usage

```
<rpc>
<get-ospf3-route-information>
```

```

<logical-system>logical-system</logical-system>
<instance>instance</instance>
<realm>realm</realm>
<intra/>
<inter/>
<extern/>
<router/>
<abr/>
<asbr/>
<transit/>
<network/>
<no-backup-coverage/>
<destination>destination</destination>
<brief/>
<detail/>
<extensive/>
</get-ospf3-route-information>
</rpc>

```

**Description** Show the OSPFv3 routing table

**Contents** <logical-system>—Name of logical system, or 'all'

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<instance>—Name of OSPF instance

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<realm>—Name of realm

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<intra>—Display intra-area routes

<inter>—Display inter-area routes

<extern>—Display external routes

<router>—Display routes to all routers

<abr>—Display routes to area border routers

<asbr>—Display routes to AS border routers

<transit>—Display routes to pseudonodes

<network>—Display routes to networks

<no-backup-coverage>—Display routes with no backup coverage

<destination>—Address and optional prefix length of destination

<brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

---

## <get-ospf3-statistics-information>

---

### Usage

```
<rpc>
  <get-ospf3-statistics-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <realm>realm</realm>
  </get-ospf3-statistics-information>
</rpc>
```

**Description** Show OSPFv3 statistics

**Contents** <logical-system>—Name of logical system, or 'all'

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<instance>—Name of OSPFv3 instance

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

<realm>—Name of realm

- ipv6-multicast - IPv6 multicast realm
- ipv4-unicast - IPv4 unicast realm
- ipv4-multicast - IPv4 multicast realm

## <get-package-backup-information>

---

**Usage**

```
<rpc>
  <get-package-backup-information/>
</rpc>
```

**Description** Show status of old system software packages

## <get-packet-distribution-information>

---

**Usage**

```
<rpc>
  <get-packet-distribution-information>

  <packet-size-distribution-information>packet-size-distribution-information</packet-size-distribution-information>

  </get-packet-distribution-information>
</rpc>
```

**Description** Show packet size distribution

**Contents** <packet-size-distribution-information>—Name of service, wildcard, or 'all'

## <get-passive-monitoring-error-information>

---

**Usage**

```
<rpc>
  <get-passive-monitoring-error-information>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </get-passive-monitoring-error-information>
</rpc>
```

**Description** Show error statistics

**Contents** <interface-name>—Name of monitoring interface, wildcard, or 'all'

## <get-passive-monitoring-flow-information>

---

**Usage**

```
<rpc>
  <get-passive-monitoring-flow-information>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </get-passive-monitoring-flow-information>
</rpc>
```

**Description** Show flow statistics

**Contents** <interface-name>—Name of monitoring interface, wildcard, or 'all'

---

### <get-passive-monitoring-information>

---

**Usage**

```
<rpc>  
  <get-passive-monitoring-information>  
  </get-passive-monitoring-information>  
</rpc>
```

**Description** Show information about passive monitoring

**Contents** <get-passive-monitoring-usage-information>—Show CPU utilization  
<get-passive-monitoring-memory-information>—Show memory utilization  
<get-passive-monitoring-flow-information>—Show flow statistics  
<get-passive-monitoring-error-information>—Show error statistics  
<get-passive-monitoring-status-information>—Show status information

---

### <get-passive-monitoring-memory-information>

---

**Usage**

```
<rpc>  
  <get-passive-monitoring-memory-information>  
    <interface-name>interface-name</interface-name> <!-- mandatory -->  
  </get-passive-monitoring-memory-information>  
</rpc>
```

**Description** Show memory utilization

**Contents** <interface-name>—Name of monitoring interface, wildcard, or 'all'

---

### <get-passive-monitoring-status-information>

---

**Usage**

```
<rpc>  
  <get-passive-monitoring-status-information>  
    <interface-name>interface-name</interface-name> <!-- mandatory -->  
  </get-passive-monitoring-status-information>  
</rpc>
```

**Description** Show status information



**Contents** <interface-name>—Name of monitoring interface, wildcard, or 'all'

### <get-passive-monitoring-usage-information>

---

**Usage**

```
<rpc>
  <get-passive-monitoring-usage-information>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </get-passive-monitoring-usage-information>
</rpc>
```

**Description** Show CPU utilization

**Contents** <interface-name>—Name of monitoring interface, wildcard, or 'all'

### <get-pdp-diagnostics-per-apn>

---

**Usage**

```
<rpc>
  <get-pdp-diagnostics-per-apn>
    <apn>apn</apn> <!-- mandatory -->
  </get-pdp-diagnostics-per-apn>
</rpc>
```

**Description** Show PDP context diagnostics information

**Contents** <apn>—APN for which to show PDP Contexts

### <get-pfe-information>

---

**Usage**

```
<rpc>
  <get-pfe-information/>
</rpc>
```

**Description** Show list of Packet Forwarding Engine components

### <get-pfe-statistics>

---

**Usage**

```
<rpc>
  <get-pfe-statistics>
    <sfm>sfm</sfm>
    <feb>feb</feb>
    <cid>cid</cid>
    <lcc>lcc</lcc>
```

```
<fpc>fpc</fpc>
</get-pfe-statistics>
</rpc>
```

**Description** Show Packet Forwarding Engine traffic statistics

**Contents** <protocol>—Show detailed Packet Forwarding Engine traffic statistics for a protocol

<multicast>—Show Multicast statistics

<cpu>—Show CPU statistics

<egress-queues>—Show egress-queues statistics

<sfm>—Slot number of SFM for which to show traffic statistics

<feb>—Slot number of FEB for which to show traffic statistics

<lcc>—Slot number of LCC that houses FPC

<fpc>—Slot number of FPC for which to show traffic statistics

---

## <get-pgcpd-active-configuration>

**Usage**

```
<rpc>
<get-pgcpd-active-configuration>
</get-pgcpd-active-configuration>
</rpc>
```

**Description** Show pgcpd active-configuration

**Contents** <get-service-pgcp-active-configuration-gateway>—Show gateway active configuration

---

## <get-pgm-nak>

**Usage**

```
<rpc>
<get-pgm-nak/>
</rpc>
```

**Description** Show PGM negative acknowledgments

---

## <get-pgm-source-path-messages>

**Usage**

```
<rpc>
<get-pgm-source-path-messages/>
```

```
</rpc>
```

**Description** Show PGM source path messages

---

### <get-pgm-statistics>

---

**Usage**

```
<rpc>
  <get-pgm-statistics/>
</rpc>
```

**Description** Show PGM packet statistics

---

### <get-pic-detail>

---

**Usage**

```
<rpc>
  <get-pic-detail>
    <fpc-slot>fpc-slot</fpc-slot>
    <pic-slot>pic-slot</pic-slot> <!-- mandatory -->
  </get-pic-detail>
</rpc>
```

**Description** Show Physical Interface Card state, type, and uptime

**Contents** <fpc-slot>—Slot number of FPC that houses PIC

<pic-slot>—PIC slot number

---

### <get-pic-information>

---

**Usage**

```
<rpc>
  <get-pic-information>
    <slot>slot</slot>
  </get-pic-information>
</rpc>
```

**Description** Show Physical Interface Cards installed in FPC

**Contents** <slot>—FPC slot number

## <get-pim-bootstrap-information>

---

**Usage**

```
<rpc>
  <get-pim-bootstrap-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
  </get-pim-bootstrap-information>
</rpc>
```

**Description** Show PIM bootstrap routers

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of instance

## <get-pim-data-mdt-join-information>

---

**Usage**

```
<rpc>
  <get-pim-data-mdt-join-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance> <!-- mandatory -->
  </get-pim-data-mdt-join-information>
</rpc>
```

**Description** Show received PIM data-mdt-joins

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of PIM instance

## <get-pim-interfaces-information>

---

**Usage**

```
<rpc>
  <get-pim-interfaces-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <interface-name>interface-name</interface-name>
    <inet/>
    <inet6/>
  </get-pim-interfaces-information>
</rpc>
```

**Description** Show PIM interfaces

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of instance

<interface-name>—Name of interface

<inet>—Display IPv4 interfaces

<inet6>—Display IPv6 interfaces

## <get-pim-join-information>

---

### Usage

```
<rpc>
  <get-pim-join-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <summary/>
    <brief/>
    <detail/>
    <extensive/>
    <range>range</range>
    <inet/>
    <inet6/>
  </get-pim-join-information>
</rpc>
```

**Description** Show PIM join/prune state

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of instance

<summary>—Display summary output

<brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

<range>—IP address and optional prefix length of group

<inet>—Display IPv4 join/prune state

<inet6>—Display IPv6 join/prune state

## <get-pim-mdt-information>

---

### Usage

```
<rpc>
  <get-pim-mdt-information>
```

```
<logical-system>logical-system</logical-system>
<outgoing/>
<incoming/>
<brief/>
<detail/>
<extensive/>
<range>range</range>
<instance>instance</instance> <!-- mandatory -->
</get-pim-mdt-information>
</rpc>
```

**Description** Show state of PIM multicast data tunnels

**Contents** <logical-system>—Name of logical system, or 'all'

<get-pim-data-mdt-join-information>—Show received PIM data-mdt-joins

<outgoing>—Display outgoing multicast data tunnels

<incoming>—Display incoming multicast data tunnels

<brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

<range>—IP address and optional prefix length of group

<instance>—Name of PIM instance

---

## <get-pim-mvpn-information>

---

### Usage

```
<rpc>
<get-pim-mvpn-information>
<logical-system>logical-system</logical-system>
</get-pim-mvpn-information>
</rpc>
```

**Description** Show PIM MVPN instances

**Contents** <logical-system>—Name of logical system, or 'all'

---

## <get-pim-neighbors-information>

---

### Usage

```
<rpc>
<get-pim-neighbors-information>
<logical-system>logical-system</logical-system>
```

```

    <instance>instance</instance>
    <brief/>
    <detail/>
    <inet/>
    <inet6/>
  </get-pim-neighbors-information>
</rpc>

```

**Description** Show PIM neighbors

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of instance

<brief>—Display brief output (default)

<detail>—Display detailed output

<inet>—Display IPv4 neighbors

<inet6>—Display IPv6 neighbors

## <get-pim-rps-information>

### Usage

```

<rpc>
  <get-pim-rps-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <brief/>
    <detail/>
    <extensive/>
    <group-address>group-address</group-address>
    <inet/>
    <inet6/>
  </get-pim-rps-information>
</rpc>

```

**Description** Show PIM rendezvous points

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of instance

<brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

<group-address>—IP address of group

<inet>—Display IPv4 rendezvous points

<inet6>—Display IPv6 rendezvous points

## <get-pim-source-information>

---

### Usage

```
<rpc>
  <get-pim-source-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <brief/>
    <detail/>
    <source>source</source>
    <inet/>
    <inet6/>
  </get-pim-source-information>
</rpc>
```

**Description** Show the PIM source RPF state

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of instance

<brief>—Display brief output (default)

<detail>—Display detailed output

<source>—IP address and optional prefix length of source RPFs

<inet>—Display IPv4 PIM source RPF state

<inet6>—Display IPv6 PIM source RPF state

## <get-pim-statistics-information>

---

### Usage

```
<rpc>
  <get-pim-statistics-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <interface>interface</interface>
    <inet/>
    <inet6/>
  </get-pim-statistics-information>
</rpc>
```

**Description** Show PIM statistics



**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Name of instance

<interface>—Name of interface

<inet>—Display IPv4 PIM statistics

<inet6>—Display IPv6 PIM statistics

## <get-pki-ca-certificate>

---

### Usage

```
<rpc>
  <get-pki-ca-certificate>
    <ca-profile>ca-profile</ca-profile>
    <brief/>
    <detail/>
  </get-pki-ca-certificate>
</rpc>
```

**Description** Show certificate-authority certificate information

**Contents** <ca-profile>—Certificate authority profile

<brief>—Display brief output

<detail>—Display detailed output

## <get-pki-certificate-request>

---

### Usage

```
<rpc>
  <get-pki-certificate-request>
    <certificate-id>certificate-id</certificate-id>
    <brief/>
    <detail/>
  </get-pki-certificate-request>
</rpc>
```

**Description** Show PKCS-10 certificate request information

**Contents** <certificate-id>—Certificate identifier

<brief>—Display brief output

<detail>—Display detailed output

## <get-pki-crl>

---

**Usage**

```
<rpc>
  <get-pki-crl>
    <ca-profile>ca-profile</ca-profile>
    <brief/>
    <detail/>
  </get-pki-crl>
</rpc>
```

**Description** Show certificate revocation list information

**Contents** <ca-profile>—Certificate authority profile

<brief>—Display brief output

<detail>—Display detailed output

## <get-pki-local-certificate>

---

**Usage**

```
<rpc>
  <get-pki-local-certificate>
    <certificate-choice>certificate-choice</certificate-choice>
    <certificate-id>certificate-id</certificate-id>
    <system-generated/>
    <brief/>
    <detail/>
  </get-pki-local-certificate>
</rpc>
```

**Description** Show router certificate information

**Contents** <certificate-id>—Certificate identifier

<system-generated>—Autogenerated self-signed certificate

<brief>—Display brief output

<detail>—Display detailed output

## <get-power-budget-information>

---

**Usage**

```
<rpc>
  <get-power-budget-information/>
</rpc>
```

**Description** Show power budget chassis information

### <get-power-management>

---

**Usage**

```
<rpc>
  <get-power-management/>
</rpc>
```

**Description** Show power ratings for the router

### <get-power-usage-information>

---

**Usage**

```
<rpc>
  <get-power-usage-information>
</get-power-usage-information>
</rpc>
```

**Description** Show Chassis Power Usages

**Contents** <get-fru-power-on-sequence>—Show chassis fru power on sequence

### <get-ppp-address-pool-inforamation>

---

**Usage**

```
<rpc>
  <get-ppp-address-pool-inforamation>
  <detail/>
  <pool-name>pool-name</pool-name> <!-- mandatory -->
</get-ppp-address-pool-inforamation>
</rpc>
```

**Description** Show PPP address pool information

**Contents** <detail>—Display detailed information

<pool-name>—Address pool name

### <get-ppp-interface-information>

---

**Usage**

```
<rpc>
  <get-ppp-interface-information>
  <interface-name>interface-name</interface-name> <!-- mandatory -->
  <extensive/>
```

```
<terse/>
</get-ppp-interface-information>
</rpc>
```

**Description** Show PPP interface information

**Contents** <interface-name>—Interface name  
<extensive>—Display detailed output  
<terse>—Display terse output

---

## <get-ppp-statistics-information>

### Usage

```
<rpc>
<get-ppp-statistics-information>
<detail/>
<memory/>
</get-ppp-statistics-information>
</rpc>
```

**Description** Show PPP statistics

**Contents** <detail>—Display detailed statistics  
<memory>—Display PPP process memory statistics

---

## <get-ppp-summary-information>

### Usage

```
<rpc>
<get-ppp-summary-information/>
</rpc>
```

**Description** Show PPP summary information

---

## <get-ppp-user-aaa-test-result>

### Usage

```
<rpc>
<get-ppp-user-aaa-test-result>
<user>user</user> <!-- mandatory -->
<password>password</password>
<profile>profile</profile>
<logical-system>logical-system</logical-system>
<routing-instance>routing-instance</routing-instance>
<terminate-code-choice>terminate-code-choice</terminate-code-choice>
```

```

    <terminate-code>terminate-code</terminate-code>
    <l2tp-terminate-code>l2tp-terminate-code</l2tp-terminate-code>
  </get-ppp-user-aaa-test-result>
</rpc>

```

**Description** Test the aaa servers for a ppp user

**Contents** <user>—The username to test

- username - The username to test
- access-profile-name - Specify the access profile name which to use for user
- logical-system-name - Specify the logical-system in which to authenticate user
- routing-instance-name - Specify the routing-instance in which to authenticate use
- admin-logout - Terminated-id with default mapping to 10
- authenticate-authenticator-timeout - Terminated-id with default mapping to 10
- authenticate-challenge-timeout - Terminated-id with default mapping to 17
- authenticate-chap-no-resources - Terminated-id with default mapping to 10
- authenticate-chap-peer-authenticator-timeout - Terminated-id with default mapping to 17
- authenticate-chap-peer-challenge-timeout - Terminated-id with default mapping to 17
- authenticate-deny-by-peer - Terminated-id with default mapping to 4
- authenticate-eap-challenge-larger-than-mtu - Terminated-id with default mapping to 10
- authenticate-eap-peer-authenticator-timeout - Terminated-id with default mapping to 10
- authenticate-eap-request-timeout - Terminated-id with default mapping to 10
- authenticate-inactivity-timeout - Terminated-id with default mapping to 8
- authenticate-max-requests - Terminated-id with default mapping to 10
- authenticate-no-authenticator - Terminated-id with default mapping to 10
- authenticate-no-resources - Terminated-id with default mapping to 10
- authenticate-pap-peer-authenticator-timeout - Terminated-id with default mapping to 10
- authenticate-pap-request-timeout - Terminated-id with default mapping to 5
- authenticate-session-timeout - Terminated-id with default mapping to 10
- authenticate-too-many-requests - Terminated-id with default mapping to 17
- authenticate-tunnel-fail-immediate - Terminated-id with default mapping to 10

- authenticate-tunnel-unsupported-tunnel-type - Terminated-id with default mapping to 10
- bridging-admin-disable - Terminated-id with default mapping to 10
- bridging-failed-to-activate-family-bridging - Terminated-id with default mapping to 10
- bridging-inhibited-by-authentication - Terminated-id with default mapping to 10
- bridging-link-down - Terminated-id with default mapping to 10
- bridging-max-configure-exceeded - Terminated-id with default mapping to 10
- bridging-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- bridging-max-sevice-disable - Terminated-id with default mapping to 10
- bridging-no-local-ieee802-tagged-frame-format - Terminated-id with default mapping to 10
- bridging-no-local-mac-frame-format - Terminated-id with default mapping to 2
- bridging-no-peer-ieee802-tagged-frame-format - Terminated-id with default mapping to 10
- bridging-no-peer-mac-fram-fromat - Terminated-id with default mapping to 8
- bridging-no-service - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- bridging-stale-stacking - Terminated-id with default mapping to 10
- bridging-terminate-code-rej - Terminated-id with default mapping to 10
- bridging-terminate-term-ack - Terminated-id with default mapping to 10
- bridging-terminate-term-req - Terminated-id with default mapping to 10
- bundle-fail-create - Terminated-id with default mapping to 10
- bundle-fail-engine-add - Terminated-id with default mapping to 10
- bundle-fail-fragment-size-mismatch - Terminated-id with default mapping to 10
- bundle-fail-fragmentation-location - Terminated-id with default mapping to 10
- bundle-fail-fragmentation-mismatch - Terminated-id with default mapping to 10
- bundle-fail-hash-link-selection-mismatch - Terminated-id with default mapping to 10
- bundle-fail-join - Terminated-id with default mapping to 10

- bundle-fail-local-mped-not-set-yet - Terminated-id with default mapping to 10
- bundle-fail-local-mrru-mismatch - Terminated-id with default mapping to 10
- bundle-fail-local-mru-mismatch - Terminated-id with default mapping to 10
- bundle-fail-peer-endpoint-discriminator-mismatch - Terminated-id with default mapping to 10
- bundle-fail-peer-mrru-mismatch - Terminated-id with default mapping to 6
- bundle-fail-reassembly-location - Terminated-id with default mapping to 10
- bundle-fail-reassembly-mismatch - Terminated-id with default mapping to 10
- bundle-fail-record-network - Terminated-id with default mapping to 10
- bundle-fail-server-location-mismatch - Terminated-id with default mapping to 10
- bundle-fail-static-link - Terminated-id with default mapping to 10
- dynamic-profile-instantiation-failed - Terminated-id with default mapping to 9
- failover-during-authentication - Terminated-id with default mapping to 17
- interface-admin-disable - Terminated-id with default mapping to 6
- interface-no-hardware - Terminated-id with default mapping to 8
- ip-admin-disable - Terminated-id with default mapping to 10
- ip-failed-to-activate-family-inet - Terminated-id with default mapping to 10
- ip-failed-to-add-access-internal-route - Terminated-id with default mapping to 10
- ip-inhibited-by-authentication - Terminated-id with default mapping to 10
- ip-link-down - Terminated-id with default mapping to 10
- ip-max-configure-exceeded - Terminated-id with default mapping to 10
- ip-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- ip-no-local-ip-address - Terminated-id with default mapping to 10
- ip-no-local-ip-address-mask - Terminated-id with default mapping to 10
- ip-no-local-primary-dns-address - Terminated-id with default mapping to 10
- ip-no-local-primary-nbns-address - Terminated-id with default mapping to 10
- ip-no-local-secondary-dns-address - Terminated-id with default mapping to 10
- ip-no-local-secondary-nbns-address - Terminated-id with default mapping to 10
- ip-no-peer-ip-address - Terminated-id with default mapping to 10
- ip-no-peer-ip-address-mask - Terminated-id with default mapping to 10
- ip-no-peer-primary-dns-address - Terminated-id with default mapping to 10
- ip-no-peer-primary-nbns-address - Terminated-id with default mapping to 10

- ip-no-peer-secondary-dns-address - Terminated-id with default mapping to 10
- ip-no-peer-secondary-nbns-address - Terminated-id with default mapping to 10
- ip-no-service - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- ip-peer-terminate-code-rej - Terminated-id with default mapping to 10
- ip-peer-terminate-term-ack - Terminated-id with default mapping to 10
- ip-peer-terminate-term-req - Terminated-id with default mapping to 10
- ip-service-disable - Terminated-id with default mapping to 10
- ip-stale-stacking - Terminated-id with default mapping to 10
- ipv6-admin-disable - Terminated-id with default mapping to 10
- ipv6-failed-to-activate-family-inet6 - Terminated-id with default mapping to 10
- ipv6-inhibited-by-authentication - Terminated-id with default mapping to 10
- ipv6-link-down - Terminated-id with default mapping to 10
- ipv6-local-and-peer-interface-ids-identical - Terminated-id with default mapping to 10
- ipv6-max-configure-exceeded - Terminated-id with default mapping to 10
- ipv6-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- ipv6-no-local-ipv6-interface-id - Terminated-id with default mapping to 10
- ipv6-no-peer-ipv6-interface-id - Terminated-id with default mapping to 10
- ipv6-no-service - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- ipv6-peer-terminate-code-rej - Terminated-id with default mapping to 10
- ipv6-peer-terminate-term-ack - Terminated-id with default mapping to 10
- ipv6-peer-terminate-term-req - Terminated-id with default mapping to 10
- ipv6-service-disable - Terminated-id with default mapping to 10
- ipv6-stale-stacking - Terminated-id with default mapping to 10
- lcp-authenticate-terminate-hold - Terminated-id with default mapping to 10
- lcp-configured-mrru-too-small - Terminated-id with default mapping to 10



- lcp-configured-mru-invalid - Terminated-id with default mapping to 10
- lcp-configured-mru-too-small - Terminated-id with default mapping to 10
- lcp-dynamic-interface-hold - Terminated-id with default mapping to 10
- lcp-keepalive-failure - Terminated-id with default mapping to 10
- lcp-loopback-rx-conf-req - Terminated-id with default mapping to 10
- lcp-loopback-rx-echo-reply - Terminated-id with default mapping to 10
- lcp-loopback-rx-echo-req - Terminated-id with default mapping to 10
- lcp-max-configure-exceeded - Terminated-id with default mapping to 10
- lcp-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- lcp-mru-changed - Terminated-id with default mapping to 8
- lcp-negotiation-timeout - Terminated-id with default mapping to 10
- lcp-no-local-accm - Terminated-id with default mapping to 10
- lcp-no-local-acfc - Terminated-id with default mapping to 10
- lcp-no-local-authentication - Terminated-id with default mapping to 10
- lcp-no-local-endpoint-discriminator - Terminated-id with default mapping to 10
- lcp-no-local-magic-number - Terminated-id with default mapping to 10
- lcp-no-local-mrru - Terminated-id with default mapping to 10
- lcp-no-local-mru - Terminated-id with default mapping to 10
- lcp-no-local-pfc - Terminated-id with default mapping to 10
- lcp-no-peer-accm - Terminated-id with default mapping to 10
- lcp-no-peer-acfc - Terminated-id with default mapping to 10
- lcp-no-peer-authentication - Terminated-id with default mapping to 10
- lcp-no-peer-endpoint-discriminator - Terminated-id with default mapping to 10
- lcp-no-peer-magic-number - Terminated-id with default mapping to 10
- lcp-no-peer-mrru - Terminated-id with default mapping to 10
- lcp-no-peer-mru - Terminated-id with default mapping to 10
- lcp-no-peer-pfc - Terminated-id with default mapping to 10
- lcp-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 1
- lcp-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 1
- lcp-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 1
- lcp-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 1
- lcp-peer-terminate-code-rej - Terminated-id with default mapping to 1
- lcp-peer-terminate-protocol-reject - Terminated-id with default mapping to 1

- lcp-peer-terminate-term-ack - Terminated-id with default mapping to 1
- lcp-peer-terminate-term-req - Terminated-id with default mapping to 1
- lcp-tunnel-disconnected - Terminated-id with default mapping to 10
- lcp-tunnel-failed - Terminated-id with default mapping to 10
- license-limit-exceeded - Terminated-id with default mapping to 10
- link-interface-no-hardware - Terminated-id with default mapping to 10
- lower-interface-attach-failed - Terminated-id with default mapping to 2
- lower-interface-down - Terminated-id with default mapping to 2
- lower-interface-teardown - Terminated-id with default mapping to 17
- mpls-admin-disable - Terminated-id with default mapping to 10
- mpls-failed-to-activate-family-mpls - Terminated-id with default mapping to 10
- mpls-link-down - Terminated-id with default mapping to 10
- mpls-max-configure-exceeded - Terminated-id with default mapping to 10
- mpls-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- mpls-no-service - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- mpls-peer-terminate-code-rej - Terminated-id with default mapping to 10
- mpls-peer-terminate-term-ack - Terminated-id with default mapping to 10
- mpls-peer-terminate-term-req - Terminated-id with default mapping to 10
- mpls-service-disable - Terminated-id with default mapping to 10
- mpls-stale-stacking - Terminated-id with default mapping to 10
- network-interface-admin-disable - Terminated-id with default mapping to 10
- no-bundle - Terminated-id with default mapping to 8
- no-interface - Terminated-id with default mapping to 10
- no-link-interface - Terminated-id with default mapping to 10
- no-ncps-available - Terminated-id with default mapping to 10
- no-network-interface - Terminated-id with default mapping to 6
- no-upper-interface - Terminated-id with default mapping to 9
- osi-admin-disable - Terminated-id with default mapping to 10
- osi-failed-to-activate-family-osi - Terminated-id with default mapping to 10

- osi-link-down - Terminated-id with default mapping to 10
- osi-max-configure-exceeded - Terminated-id with default mapping to 10
- osi-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- osi-no-local-align-npdu - Terminated-id with default mapping to 10
- osi-no-peer-align-npdu - Terminated-id with default mapping to 10
- osi-no-service - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- osi-peer-terminate-code-rej - Terminated-id with default mapping to 10
- osi-peer-terminate-term-ack - Terminated-id with default mapping to 10
- osi-peer-terminate-term-req - Terminated-id with default mapping to 10
- osi-service-disable - Terminated-id with default mapping to 10
- osi-stale-stacking - Terminated-id with default mapping to 10
- recovery-active-state-cleanup - Terminated-id with default mapping to 9
- recovery-configured-state-cleanup - Terminated-id with default mapping to 9
- recovery-init-state-cleanup - Terminated-id with default mapping to 9
- recovery-terminated-state-cleanup - Terminated-id with default mapping to 9
- recovery-terminating-state-cleanup - Terminated-id with default mapping to 9
- session-init-failed - Terminated-id with default mapping to 9
- subscriber-mgr-activation-failed - Terminated-id with default mapping to 9
- subscriber-mgr-get-credentials-failed - Terminated-id with default mapping to 9
- subscriber-mgr-link-interface-not-found - Terminated-id with default mapping to 9
- subscriber-mgr-set-state-active-failed - Terminated-id with default mapping to 9
- issu-in-progress - Terminated-id with default mapping to 9
- session-access-interface-down - Terminated-id with default mapping to 8
- session-administrative-close - Terminated-id with default mapping to 6
- session-administrative-drain - Terminated-id with default mapping to 6
- session-call-down - Terminated-id with default mapping to 10
- session-call-failed - Terminated-id with default mapping to 15

- session-create-failed-icrq-to-initiator-tunnel - Terminated-id with default mapping to 9
- session-create-failed-invalid-config - Terminated-id with default mapping to 9
- session-create-failed-limit-reached - Terminated-id with default mapping to 9
- session-create-failed-no-resources - Terminated-id with default mapping to 9
- session-create-failed-single-shot-tunnel-already-fired - Terminated-id with default mapping to 9
- session-create-failed-too-busy - Terminated-id with default mapping to 9
- session-failover-protocol-resync-disconnect - Terminated-id with default mapping to 6
- session-hardware-unavailable - Terminated-id with default mapping to 8
- session-no-resources-server-port - Terminated-id with default mapping to 9
- session-not-ready - Terminated-id with default mapping to 9
- session-receive-cdn - Terminated-id with default mapping to 10
- session-receive-cdn-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-cdn-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-cdn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-cdn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-cdn-no-resources - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-framing-type - Terminated-id with default mapping to 10

- session-receive-iccn-avp-bad-value-proxy-authen-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-unsupported-proxy-authen-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-iccn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-connect-speed - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-challenge - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-id - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-name - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-response - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-iccn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-iccn-no-resources - Terminated-id with default mapping to 10
- session-receive-iccn-unexpected - Terminated-id with default mapping to 10
- session-receive-icrp-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-icrp-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrp-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrp-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-icrp-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10

- session-receive-icrp-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-icrp-avp-unknown - Terminated-id with default mapping to 10
- session-receive-icrp-no-resources - Terminated-id with default mapping to 10
- session-receive-icrp-unexpected - Terminated-id with default mapping to 10
- session-receive-icrq-administrative-close - Terminated-id with default mapping to 6
- session-receive-icrq-authenticate-failed-host - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-value-bearer-type - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-value-cisco-nas-port - Terminated-id with default mapping to 10
- session-receive-icrq-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-icrq-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-mandatory-call-serial-number - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-icrq-avp-unknown - Terminated-id with default mapping to 10
- session-receive-icrq-no-resources - Terminated-id with default mapping to 10
- session-receive-icrq-unexpected - Terminated-id with default mapping to 10
- session-receive-occn-avp-bad-hidden - Terminated-id with default mapping to 10

- session-receive-occn-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-occn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-occn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-mandatory-connect-speed - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-occn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-occn-no-resources - Terminated-id with default mapping to 10
- session-receive-occn-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-unknown - Terminated-id with default mapping to 10
- session-receive-ocrp-no-resources - Terminated-id with default mapping to 10
- session-receive-ocrp-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrq-administrative-close - Terminated-id with default mapping to 6

- session-receive-ocrq-authenticate-failed-host - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-bearer-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-bearer-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-call-serial-number - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-called-number - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-maximum-bps - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-minimum-bps - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-unknown - Terminated-id with default mapping to 10
- session-receive-ocrq-no-resources - Terminated-id with default mapping to 10
- session-receive-ocrq-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrq-unsupported - Terminated-id with default mapping to 9
- session-receive-sli-avp-bad-hidden - Terminated-id with default mapping to 10



- session-receive-sli-avp-bad-value-accm - Terminated-id with default mapping to 10
- session-receive-sli-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-sli-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-mandatory-accm - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-sli-avp-unknown - Terminated-id with default mapping to 10
- session-receive-sli-no-resources - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lac-incoming - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lac-outgoing - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lns-incoming - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lns-outgoing - Terminated-id with default mapping to 10
- session-receive-unknown-session-id - Terminated-id with default mapping to 10
- session-receive-wen-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-wen-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-wen-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-wen-avp-missing-mandatory-call-errors - Terminated-id with default mapping to 10
- session-receive-wen-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-wen-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-wen-avp-unknown - Terminated-id with default mapping to 10
- session-receive-wen-no-resources - Terminated-id with default mapping to 10
- session-timeout-connection - Terminated-id with default mapping to 10

- session-timeout-inactivity - Terminated-id with default mapping to 4
- session-timeout-session - Terminated-id with default mapping to 5
- session-timeout-upper-create - Terminated-id with default mapping to 9
- session-transmit-speed-unavailable - Terminated-id with default mapping to 9
- session-tunnel-down - Terminated-id with default mapping to 15
- session-tunnel-failed - Terminated-id with default mapping to 15
- session-tunnel-switch-profile-deleted - Terminated-id with default mapping to 6
- session-tunneled-interface-down - Terminated-id with default mapping to 8
- session-unknown-cause - Terminated-id with default mapping to 9
- session-upper-create-failed - Terminated-id with default mapping to 9
- session-upper-removed - Terminated-id with default mapping to 15
- session-warmstart-not-operational - Terminated-id with default mapping to 15
- session-warmstart-recovery-error - Terminated-id with default mapping to 15
- session-warmstart-uppper-not-restacked - Terminated-id with default mapping to 10
- tunnel-administrative-close - Terminated-id with default mapping to 6
- tunnel-administrative-drain - Terminated-id with default mapping to 6
- tunnel-control-channel-failed - Terminated-id with default mapping to 15
- tunnel-created-no-sessions - Terminated-id with default mapping to 1
- tunnel-destination-address-changed - Terminated-id with default mapping to 6
- tunnel-destination-down - Terminated-id with default mapping to 10
- tunnel-failover-protocol-no-resources-for-recovery-tunnel - Terminated-id with default mapping to 15
- tunnel-failover-protocol-no-resources-for-session-resync - Terminated-id with default mapping to 15
- tunnel-failover-protocol-not-supported - Terminated-id with default mapping to 15
- tunnel-failover-protocol-not-supported-by-peer - Terminated-id with default mapping to 15
- tunnel-failover-protocol-recovery-control-channel-failed - Terminated-id with default mapping to 15
- tunnel-failover-protocol-recovery-tunnel-failed - Terminated-id with default mapping to 15
- tunnel-failover-protocol-recovery-tunnel-finished - Terminated-id with default mapping to 1

- tunnel-failover-protocol-recovery-tunnel-primary-down - Terminated-id with default mapping to 1
- tunnel-failover-protocol-session-resync-failed - Terminated-id with default mapping to 15
- tunnel-host-profile-changed - Terminated-id with default mapping to 6
- tunnel-host-profile-deleted - Terminated-id with default mapping to 6
- tunnel-receive-fsq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-missing-mandatory-failover-session-state - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-fsq-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-fsq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-mandatory-failover-session-state - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-fsr-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-fsr-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccn-authenticate-failed-challenge - Terminated-id with default mapping to 17

- tunnel-receive-recovery-scccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-recovery-scccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccp-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccp-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccp-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-recovery-sccrp-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-recovery-sccrp-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15

- tunnel-receive-recovery-sccrp-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-suggested-control-sequence - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-mismatched-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-mismatched-vendor-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-administrative-close - Terminated-id with default mapping to 6
- tunnel-receive-recovery-sccrq-avp-bad-hidden - Terminated-id with default mapping to 15

- tunnel-receive-recovery-sccrq-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-tunnel-recovery - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-duplicate-value-tie-breaker - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-mismatched-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-mismatched-vendor-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-tunnel-recovery - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-secret - Terminated-id with default mapping to 15

- tunnel-receive-recovery-sccrq-avp-missing-tie-breaker - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-no-resources-max-tunnels - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-tunnel-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-unexpected-packet - Terminated-id with default mapping to 15
- tunnel-receive-recovery-unknown-packet-message-type-indecipherable - Terminated-id with default mapping to 15

- tunnel-receive-recovery-unknown-packet-message-type-unrecognized - Terminated-id with default mapping to 15
- tunnel-receive-scccn-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-scccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-scccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-scccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-scccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-scccn-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-sccrp-authenticate-failed-host - Terminated-id with default mapping to 17
- tunnel-receive-sccrp-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-challenge-response - Terminated-id with default mapping to 15



- tunnel-receive-sccrp-avp-bad-value-failover-capability - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-sccrp-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-administrative-close - Terminated-id with default mapping to 6

- tunnel-receive-sccrq-authenticate-failed-host - Terminated-id with default mapping to 17
- tunnel-receive-sccrq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-failover-capability - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-unknown - Terminated-id with default mapping to 15

- tunnel-receive-sccrq-bad-address - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-invalid-ns - Terminated-id with default mapping to 10
- tunnel-receive-sccrq-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-no-resources-max-tunnels - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-session-packet-null-session-id-invalid - Terminated-id with default mapping to 15
- tunnel-receive-session-packet-null-session-id-without-assigned-session-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn - Terminated-id with default mapping to 1
- tunnel-receive-stopccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-unexpected-packet - Terminated-id with default mapping to 15

- tunnel-receive-unexpected-packet-for-session - Terminated-id with default mapping to 15
- tunnel-receive-unknown-packet-message-type-indecipherable - Terminated-id with default mapping to 15
- tunnel-receive-unknown-packet-message-type-unrecognized - Terminated-id with default mapping to 15
- tunnel-timeout-connection - Terminated-id with default mapping to 15
- tunnel-timeout-connection-recovery-tunnel - Terminated-id with default mapping to 15
- tunnel-timeout-idle - Terminated-id with default mapping to 1
- tunnel-unknown-cause - Terminated-id with default mapping to 9
- tunnel-warmstart-not-operational - Terminated-id with default mapping to 15
- tunnel-warmstart-recovery-error - Terminated-id with default mapping to 15

<password>—The password associated with username

- access-profile-name - Specify the access profile name which to use for user
- logical-system-name - Specify the logical-system in which to authenticate user
- routing-instance-name - Specify the routing-instance in which to authenticate use
- admin-logout - Terminated-id with default mapping to 10
- authenticate-authenticator-timeout - Terminated-id with default mapping to 10
- authenticate-challenge-timeout - Terminated-id with default mapping to 17
- authenticate-chap-no-resources - Terminated-id with default mapping to 10
- authenticate-chap-peer-authenticator-timeout - Terminated-id with default mapping to 17
- authenticate-chap-peer-challenge-timeout - Terminated-id with default mapping to 17
- authenticate-deny-by-peer - Terminated-id with default mapping to 4
- authenticate-eap-challenge-larger-than-mtu - Terminated-id with default mapping to 10
- authenticate-eap-peer-authenticator-timeout - Terminated-id with default mapping to 10
- authenticate-eap-request-timeout - Terminated-id with default mapping to 10
- authenticate-inactivity-timeout - Terminated-id with default mapping to 8
- authenticate-max-requests - Terminated-id with default mapping to 10
- authenticate-no-authenticator - Terminated-id with default mapping to 10
- authenticate-no-resources - Terminated-id with default mapping to 10

- authenticate-pap-peer-authenticator-timeout - Terminated-id with default mapping to 10
- authenticate-pap-request-timeout - Terminated-id with default mapping to 5
- authenticate-session-timeout - Terminated-id with default mapping to 10
- authenticate-too-many-requests - Terminated-id with default mapping to 17
- authenticate-tunnel-fail-immediate - Terminated-id with default mapping to 10
- authenticate-tunnel-unsupported-tunnel-type - Terminated-id with default mapping to 10
- bridging-admin-disable - Terminated-id with default mapping to 10
- bridging-failed-to-activate-family-bridging - Terminated-id with default mapping to 10
- bridging-inhibited-by-authentication - Terminated-id with default mapping to 10
- bridging-link-down - Terminated-id with default mapping to 10
- bridging-max-configure-exceeded - Terminated-id with default mapping to 10
- bridging-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- bridging-max-sevice-disable - Terminated-id with default mapping to 10
- bridging-no-local-ieee802-tagged-frame-format - Terminated-id with default mapping to 10
- bridging-no-local-mac-frame-format - Terminated-id with default mapping to 2
- bridging-no-peer-ieee802-tagged-frame-format - Terminated-id with default mapping to 10
- bridging-no-peer-mac-fram-fromat - Terminated-id with default mapping to 8
- bridging-no-service - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- bridging-stale-stacking - Terminated-id with default mapping to 10
- bridging-terminate-code-rej - Terminated-id with default mapping to 10
- bridging-terminate-term-ack - Terminated-id with default mapping to 10
- bridging-terminate-term-req - Terminated-id with default mapping to 10
- bundle-fail-create - Terminated-id with default mapping to 10
- bundle-fail-engine-add - Terminated-id with default mapping to 10
- bundle-fail-fragment-size-mismatch - Terminated-id with default mapping to 10

- bundle-fail-fragmentation-location - Terminated-id with default mapping to 10
- bundle-fail-fragmentation-mismatch - Terminated-id with default mapping to 10
- bundle-fail-hash-link-selection-mismatch - Terminated-id with default mapping to 10
- bundle-fail-join - Terminated-id with default mapping to 10
- bundle-fail-local-mped-not-set-yet - Terminated-id with default mapping to 10
- bundle-fail-local-mrru-mismatch - Terminated-id with default mapping to 10
- bundle-fail-local-mru-mismatch - Terminated-id with default mapping to 10
- bundle-fail-peer-endpoint-discriminator-mismatch - Terminated-id with default mapping to 10
- bundle-fail-peer-mrru-mismatch - Terminated-id with default mapping to 6
- bundle-fail-reassembly-location - Terminated-id with default mapping to 10
- bundle-fail-reassembly-mismatch - Terminated-id with default mapping to 10
- bundle-fail-record-network - Terminated-id with default mapping to 10
- bundle-fail-server-location-mismatch - Terminated-id with default mapping to 10
- bundle-fail-static-link - Terminated-id with default mapping to 10
- dynamic-profile-instantiation-failed - Terminated-id with default mapping to 9
- failover-during-authentication - Terminated-id with default mapping to 17
- interface-admin-disable - Terminated-id with default mapping to 6
- interface-no-hardware - Terminated-id with default mapping to 8
- ip-admin-disable - Terminated-id with default mapping to 10
- ip-failed-to-activate-family-inet - Terminated-id with default mapping to 10
- ip-failed-to-add-access-internal-route - Terminated-id with default mapping to 10
- ip-inhibited-by-authentication - Terminated-id with default mapping to 10
- ip-link-down - Terminated-id with default mapping to 10
- ip-max-configure-exceeded - Terminated-id with default mapping to 10
- ip-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- ip-no-local-ip-address - Terminated-id with default mapping to 10
- ip-no-local-ip-address-mask - Terminated-id with default mapping to 10
- ip-no-local-primary-dns-address - Terminated-id with default mapping to 10
- ip-no-local-primary-nbns-address - Terminated-id with default mapping to 10
- ip-no-local-secondary-dns-address - Terminated-id with default mapping to 10

- ip-no-local-secondary-nbns-address - Terminated-id with default mapping to 10
- ip-no-peer-ip-address - Terminated-id with default mapping to 10
- ip-no-peer-ip-address-mask - Terminated-id with default mapping to 10
- ip-no-peer-primary-dns-address - Terminated-id with default mapping to 10
- ip-no-peer-primary-nbns-address - Terminated-id with default mapping to 10
- ip-no-peer-secondary-dns-address - Terminated-id with default mapping to 10
- ip-no-peer-secondary-nbns-address - Terminated-id with default mapping to 10
- ip-no-service - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- ip-peer-terminate-code-rej - Terminated-id with default mapping to 10
- ip-peer-terminate-term-ack - Terminated-id with default mapping to 10
- ip-peer-terminate-term-req - Terminated-id with default mapping to 10
- ip-service-disable - Terminated-id with default mapping to 10
- ip-stale-stacking - Terminated-id with default mapping to 10
- ipv6-admin-disable - Terminated-id with default mapping to 10
- ipv6-failed-to-activate-family-inet6 - Terminated-id with default mapping to 10
- ipv6-inhibited-by-authentication - Terminated-id with default mapping to 10
- ipv6-link-down - Terminated-id with default mapping to 10
- ipv6-local-and-peer-interface-ids-identical - Terminated-id with default mapping to 10
- ipv6-max-configure-exceeded - Terminated-id with default mapping to 10
- ipv6-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- ipv6-no-local-ipv6-interface-id - Terminated-id with default mapping to 10
- ipv6-no-peer-ipv6-interface-id - Terminated-id with default mapping to 10
- ipv6-no-service - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- ipv6-peer-terminate-code-rej - Terminated-id with default mapping to 10
- ipv6-peer-terminate-term-ack - Terminated-id with default mapping to 10

- ipv6-peer-terminate-term-req - Terminated-id with default mapping to 10
- ipv6-service-disable - Terminated-id with default mapping to 10
- ipv6-stale-stacking - Terminated-id with default mapping to 10
- lcp-authenticate-terminate-hold - Terminated-id with default mapping to 10
- lcp-configured-mrru-too-small - Terminated-id with default mapping to 10
- lcp-configured-mru-invalid - Terminated-id with default mapping to 10
- lcp-configured-mru-too-small - Terminated-id with default mapping to 10
- lcp-dynamic-interface-hold - Terminated-id with default mapping to 10
- lcp-keepalive-failure - Terminated-id with default mapping to 10
- lcp-loopback-rx-conf-req - Terminated-id with default mapping to 10
- lcp-loopback-rx-echo-reply - Terminated-id with default mapping to 10
- lcp-loopback-rx-echo-req - Terminated-id with default mapping to 10
- lcp-max-configure-exceeded - Terminated-id with default mapping to 10
- lcp-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- lcp-mru-changed - Terminated-id with default mapping to 8
- lcp-negotiation-timeout - Terminated-id with default mapping to 10
- lcp-no-local-accm - Terminated-id with default mapping to 10
- lcp-no-local-acfc - Terminated-id with default mapping to 10
- lcp-no-local-authentication - Terminated-id with default mapping to 10
- lcp-no-local-endpoint-discriminator - Terminated-id with default mapping to 10
- lcp-no-local-magic-number - Terminated-id with default mapping to 10
- lcp-no-local-mrru - Terminated-id with default mapping to 10
- lcp-no-local-mru - Terminated-id with default mapping to 10
- lcp-no-local-pfc - Terminated-id with default mapping to 10
- lcp-no-peer-accm - Terminated-id with default mapping to 10
- lcp-no-peer-acfc - Terminated-id with default mapping to 10
- lcp-no-peer-authentication - Terminated-id with default mapping to 10
- lcp-no-peer-endpoint-discriminator - Terminated-id with default mapping to 10
- lcp-no-peer-magic-number - Terminated-id with default mapping to 10
- lcp-no-peer-mrru - Terminated-id with default mapping to 10
- lcp-no-peer-mru - Terminated-id with default mapping to 10
- lcp-no-peer-pfc - Terminated-id with default mapping to 10
- lcp-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 1



- lcp-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 1
- lcp-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 1
- lcp-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 1
- lcp-peer-terminate-code-rej - Terminated-id with default mapping to 1
- lcp-peer-terminate-protocol-reject - Terminated-id with default mapping to 1
- lcp-peer-terminate-term-ack - Terminated-id with default mapping to 1
- lcp-peer-terminate-term-req - Terminated-id with default mapping to 1
- lcp-tunnel-disconnected - Terminated-id with default mapping to 10
- lcp-tunnel-failed - Terminated-id with default mapping to 10
- license-limit-exceeded - Terminated-id with default mapping to 10
- link-interface-no-hardware - Terminated-id with default mapping to 10
- lower-interface-attach-failed - Terminated-id with default mapping to 2
- lower-interface-down - Terminated-id with default mapping to 2
- lower-interface-teardown - Terminated-id with default mapping to 17
- mpls-admin-disable - Terminated-id with default mapping to 10
- mpls-failed-to-activate-family-mpls - Terminated-id with default mapping to 10
- mpls-link-down - Terminated-id with default mapping to 10
- mpls-max-configure-exceeded - Terminated-id with default mapping to 10
- mpls-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- mpls-no-service - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- mpls-peer-terminate-code-rej - Terminated-id with default mapping to 10
- mpls-peer-terminate-term-ack - Terminated-id with default mapping to 10
- mpls-peer-terminate-term-req - Terminated-id with default mapping to 10
- mpls-service-disable - Terminated-id with default mapping to 10
- mpls-stale-stacking - Terminated-id with default mapping to 10
- network-interface-admin-disable - Terminated-id with default mapping to 10
- no-bundle - Terminated-id with default mapping to 8
- no-interface - Terminated-id with default mapping to 10
- no-link-interface - Terminated-id with default mapping to 10

- no-ncps-available - Terminated-id with default mapping to 10
- no-network-interface - Terminated-id with default mapping to 6
- no-upper-interface - Terminated-id with default mapping to 9
- osi-admin-disable - Terminated-id with default mapping to 10
- osi-failed-to-activate-family-osi - Terminated-id with default mapping to 10
- osi-link-down - Terminated-id with default mapping to 10
- osi-max-configure-exceeded - Terminated-id with default mapping to 10
- osi-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- osi-no-local-align-mpdu - Terminated-id with default mapping to 10
- osi-no-peer-align-mpdu - Terminated-id with default mapping to 10
- osi-no-service - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- osi-peer-terminate-code-rej - Terminated-id with default mapping to 10
- osi-peer-terminate-term-ack - Terminated-id with default mapping to 10
- osi-peer-terminate-term-req - Terminated-id with default mapping to 10
- osi-service-disable - Terminated-id with default mapping to 10
- osi-stale-stacking - Terminated-id with default mapping to 10
- recovery-active-state-cleanup - Terminated-id with default mapping to 9
- recovery-configured-state-cleanup - Terminated-id with default mapping to 9
- recovery-init-state-cleanup - Terminated-id with default mapping to 9
- recovery-terminated-state-cleanup - Terminated-id with default mapping to 9
- recovery-terminating-state-cleanup - Terminated-id with default mapping to 9
- session-init-failed - Terminated-id with default mapping to 9
- subscriber-mgr-activation-failed - Terminated-id with default mapping to 9
- subscriber-mgr-get-credentials-failed - Terminated-id with default mapping to 9
- subscriber-mgr-link-interface-not-found - Terminated-id with default mapping to 9
- subscriber-mgr-set-state-active-failed - Terminated-id with default mapping to 9
- issu-in-progress - Terminated-id with default mapping to 9

- session-access-interface-down - Terminated-id with default mapping to 8
- session-administrative-close - Terminated-id with default mapping to 6
- session-administrative-drain - Terminated-id with default mapping to 6
- session-call-down - Terminated-id with default mapping to 10
- session-call-failed - Terminated-id with default mapping to 15
- session-create-failed-icrq-to-initiator-tunnel - Terminated-id with default mapping to 9
- session-create-failed-invalid-config - Terminated-id with default mapping to 9
- session-create-failed-limit-reached - Terminated-id with default mapping to 9
- session-create-failed-no-resources - Terminated-id with default mapping to 9
- session-create-failed-single-shot-tunnel-already-fired - Terminated-id with default mapping to 9
- session-create-failed-too-busy - Terminated-id with default mapping to 9
- session-failover-protocol-resync-disconnect - Terminated-id with default mapping to 6
- session-hardware-unavailable - Terminated-id with default mapping to 8
- session-no-resources-server-port - Terminated-id with default mapping to 9
- session-not-ready - Terminated-id with default mapping to 9
- session-receive-cdn - Terminated-id with default mapping to 10
- session-receive-cdn-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-cdn-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-cdn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-cdn-avp-unknown - Terminated-id with default mapping to 10

- session-receive-cdn-no-resources - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-proxy-authen-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-unsupported-proxy-authen-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-iccn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-connect-speed - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-challenge - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-id - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-name - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-response - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-iccn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-iccn-no-resources - Terminated-id with default mapping to 10
- session-receive-iccn-unexpected - Terminated-id with default mapping to 10
- session-receive-icrp-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-icrp-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrp-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrp-avp-malformed-bad-length - Terminated-id with default mapping to 10

- session-receive-icrp-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-icrp-avp-unknown - Terminated-id with default mapping to 10
- session-receive-icrp-no-resources - Terminated-id with default mapping to 10
- session-receive-icrp-unexpected - Terminated-id with default mapping to 10
- session-receive-icrq-administrative-close - Terminated-id with default mapping to 6
- session-receive-icrq-authenticate-failed-host - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-value-bearer-type - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-value-cisco-nas-port - Terminated-id with default mapping to 10
- session-receive-icrq-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-icrq-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-mandatory-call-serial-number - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-icrq-avp-unknown - Terminated-id with default mapping to 10
- session-receive-icrq-no-resources - Terminated-id with default mapping to 10

- session-receive-icrq-unexpected - Terminated-id with default mapping to 10
- session-receive-occn-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-occn-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-occn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-occn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-mandatory-connect-speed - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-occn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-occn-no-resources - Terminated-id with default mapping to 10
- session-receive-occn-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-unknown - Terminated-id with default mapping to 10
- session-receive-ocrp-no-resources - Terminated-id with default mapping to 10

- session-receive-ocrp-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrq-administrative-close - Terminated-id with default mapping to 6
- session-receive-ocrq-authenticate-failed-host - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-bearer-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-bearer-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-call-serial-number - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-called-number - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-maximum-bps - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-minimum-bps - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-unknown - Terminated-id with default mapping to 10
- session-receive-ocrq-no-resources - Terminated-id with default mapping to 10

- session-receive-ocrq-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrq-unsupported - Terminated-id with default mapping to 9
- session-receive-sli-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-sli-avp-bad-value-accm - Terminated-id with default mapping to 10
- session-receive-sli-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-sli-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-mandatory-accm - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-sli-avp-unknown - Terminated-id with default mapping to 10
- session-receive-sli-no-resources - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lac-incoming - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lac-outgoing - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lns-incoming - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lns-outgoing - Terminated-id with default mapping to 10
- session-receive-unknown-session-id - Terminated-id with default mapping to 10
- session-receive-wen-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-wen-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-wen-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-wen-avp-missing-mandatory-call-errors - Terminated-id with default mapping to 10
- session-receive-wen-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-wen-avp-missing-secret - Terminated-id with default mapping to 10



- session-receive-wen-avp-unknown - Terminated-id with default mapping to 10
- session-receive-wen-no-resources - Terminated-id with default mapping to 10
- session-timeout-connection - Terminated-id with default mapping to 10
- session-timeout-inactivity - Terminated-id with default mapping to 4
- session-timeout-session - Terminated-id with default mapping to 5
- session-timeout-upper-create - Terminated-id with default mapping to 9
- session-transmit-speed-unavailable - Terminated-id with default mapping to 9
- session-tunnel-down - Terminated-id with default mapping to 15
- session-tunnel-failed - Terminated-id with default mapping to 15
- session-tunnel-switch-profile-deleted - Terminated-id with default mapping to 6
- session-tunneled-interface-down - Terminated-id with default mapping to 8
- session-unknown-cause - Terminated-id with default mapping to 9
- session-upper-create-failed - Terminated-id with default mapping to 9
- session-upper-removed - Terminated-id with default mapping to 15
- session-warmstart-not-operational - Terminated-id with default mapping to 15
- session-warmstart-recovery-error - Terminated-id with default mapping to 15
- session-warmstart-uppper-not-restacked - Terminated-id with default mapping to 10
- tunnel-administrative-close - Terminated-id with default mapping to 6
- tunnel-administrative-drain - Terminated-id with default mapping to 6
- tunnel-control-channel-failed - Terminated-id with default mapping to 15
- tunnel-created-no-sessions - Terminated-id with default mapping to 1
- tunnel-destination-address-changed - Terminated-id with default mapping to 6
- tunnel-destination-down - Terminated-id with default mapping to 10
- tunnel-failover-protocol-no-resources-for-recovery-tunnel - Terminated-id with default mapping to 15
- tunnel-failover-protocol-no-resources-for-session-resync - Terminated-id with default mapping to 15
- tunnel-failover-protocol-not-supported - Terminated-id with default mapping to 15
- tunnel-failover-protocol-not-supported-by-peer - Terminated-id with default mapping to 15
- tunnel-failover-protocol-recovery-control-channel-failed - Terminated-id with default mapping to 15

- tunnel-failover-protocol-recovery-tunnel-failed - Terminated-id with default mapping to 15
- tunnel-failover-protocol-recovery-tunnel-finished - Terminated-id with default mapping to 1
- tunnel-failover-protocol-recovery-tunnel-primary-down - Terminated-id with default mapping to 1
- tunnel-failover-protocol-session-resync-failed - Terminated-id with default mapping to 15
- tunnel-host-profile-changed - Terminated-id with default mapping to 6
- tunnel-host-profile-deleted - Terminated-id with default mapping to 6
- tunnel-receive-fsq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-missing-mandatory-failover-session-state - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-fsq-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-fsq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-mandatory-failover-session-state - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-fsr-no-resources - Terminated-id with default mapping to 15

- tunnel-receive-fsr-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-recovery-scccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-recovery-scccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccp-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccp-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccp-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-recovery-sccrp-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-recovery-sccrp-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15

- tunnel-receive-recovery-sccrp-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-suggested-control-sequence - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-mismatched-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-mismatched-vendor-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-session-id-not-null - Terminated-id with default mapping to 15

- tunnel-receive-recovery-sccrq-administrative-close - Terminated-id with default mapping to 6
- tunnel-receive-recovery-sccrq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-tunnel-recovery - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-duplicate-value-tie-breaker - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-mismatched-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-mismatched-vendor-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-tunnel-recovery - Terminated-id with default mapping to 15

- tunnel-receive-recovery-sccrq-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-tie-breaker - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-no-resources-max-tunnels - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-tunnel-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-session-id-not-null - Terminated-id with default mapping to 15

- tunnel-receive-recovery-unexpected-packet - Terminated-id with default mapping to 15
- tunnel-receive-recovery-unknown-packet-message-type-indecipherable - Terminated-id with default mapping to 15
- tunnel-receive-recovery-unknown-packet-message-type-unrecognized - Terminated-id with default mapping to 15
- tunnel-receive-scccn-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-scccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-scccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-scccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-scccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-scccn-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-sccrp-authenticate-failed-host - Terminated-id with default mapping to 17
- tunnel-receive-sccrp-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15

- tunnel-receive-sccrp-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-failover-capability - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-sccrp-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-no-resources - Terminated-id with default mapping to 15



- tunnel-receive-sccrp-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-administrative-close - Terminated-id with default mapping to 6
- tunnel-receive-sccrq-authenticate-failed-host - Terminated-id with default mapping to 17
- tunnel-receive-sccrq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-failover-capability - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-random-vector - Terminated-id with default mapping to 15

- tunnel-receive-sccrq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-bad-address - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-invalid-ns - Terminated-id with default mapping to 10
- tunnel-receive-sccrq-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-no-resources-max-tunnels - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-session-packet-null-session-id-invalid - Terminated-id with default mapping to 15
- tunnel-receive-session-packet-null-session-id-without-assigned-session-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn - Terminated-id with default mapping to 1
- tunnel-receive-stopccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-unknown - Terminated-id with default mapping to 15

- tunnel-receive-stopccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-unexpected-packet - Terminated-id with default mapping to 15
- tunnel-receive-unexpected-packet-for-session - Terminated-id with default mapping to 15
- tunnel-receive-unknown-packet-message-type-indecipherable - Terminated-id with default mapping to 15
- tunnel-receive-unknown-packet-message-type-unrecognized - Terminated-id with default mapping to 15
- tunnel-timeout-connection - Terminated-id with default mapping to 15
- tunnel-timeout-connection-recovery-tunnel - Terminated-id with default mapping to 15
- tunnel-timeout-idle - Terminated-id with default mapping to 1
- tunnel-unknown-cause - Terminated-id with default mapping to 9
- tunnel-warmstart-not-operational - Terminated-id with default mapping to 15
- tunnel-warmstart-recovery-error - Terminated-id with default mapping to 15

<profile>—Specify the access profile name which to use for user

- access-profile-name - Specify the access profile name which to use for user
- logical-system-name - Specify the logical-system in which to authenticate user
- routing-instance-name - Specify the routing-instance in which to authenticate use
- admin-logout - Terminated-id with default mapping to 10
- authenticate-authenticator-timeout - Terminated-id with default mapping to 10
- authenticate-challenge-timeout - Terminated-id with default mapping to 17
- authenticate-chap-no-resources - Terminated-id with default mapping to 10
- authenticate-chap-peer-authenticator-timeout - Terminated-id with default mapping to 17
- authenticate-chap-peer-challenge-timeout - Terminated-id with default mapping to 17
- authenticate-deny-by-peer - Terminated-id with default mapping to 4
- authenticate-eap-challenge-larger-than-mtu - Terminated-id with default mapping to 10
- authenticate-eap-peer-authenticator-timeout - Terminated-id with default mapping to 10

- authenticate-eap-request-timeout - Terminated-id with default mapping to 10
- authenticate-inactivity-timeout - Terminated-id with default mapping to 8
- authenticate-max-requests - Terminated-id with default mapping to 10
- authenticate-no-authenticator - Terminated-id with default mapping to 10
- authenticate-no-resources - Terminated-id with default mapping to 10
- authenticate-pap-peer-authenticator-timeout - Terminated-id with default mapping to 10
- authenticate-pap-request-timeout - Terminated-id with default mapping to 5
- authenticate-session-timeout - Terminated-id with default mapping to 10
- authenticate-too-many-requests - Terminated-id with default mapping to 17
- authenticate-tunnel-fail-immediate - Terminated-id with default mapping to 10
- authenticate-tunnel-unsupported-tunnel-type - Terminated-id with default mapping to 10
- bridging-admin-disable - Terminated-id with default mapping to 10
- bridging-failed-to-activate-family-bridging - Terminated-id with default mapping to 10
- bridging-inhibited-by-authentication - Terminated-id with default mapping to 10
- bridging-link-down - Terminated-id with default mapping to 10
- bridging-max-configure-exceeded - Terminated-id with default mapping to 10
- bridging-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- bridging-max-sevice-disable - Terminated-id with default mapping to 10
- bridging-no-local-ieee802-tagged-frame-format - Terminated-id with default mapping to 10
- bridging-no-local-mac-frame-format - Terminated-id with default mapping to 2
- bridging-no-peer-ieee802-tagged-frame-format - Terminated-id with default mapping to 10
- bridging-no-peer-mac-fram-fromat - Terminated-id with default mapping to 8
- bridging-no-service - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- bridging-stale-stacking - Terminated-id with default mapping to 10
- bridging-terminate-code-rej - Terminated-id with default mapping to 10

- bridging-terminate-term-ack - Terminated-id with default mapping to 10
- bridging-terminate-term-req - Terminated-id with default mapping to 10
- bundle-fail-create - Terminated-id with default mapping to 10
- bundle-fail-engine-add - Terminated-id with default mapping to 10
- bundle-fail-fragment-size-mismatch - Terminated-id with default mapping to 10
- bundle-fail-fragmentation-location - Terminated-id with default mapping to 10
- bundle-fail-fragmentation-mismatch - Terminated-id with default mapping to 10
- bundle-fail-hash-link-selection-mismatch - Terminated-id with default mapping to 10
- bundle-fail-join - Terminated-id with default mapping to 10
- bundle-fail-local-mped-not-set-yet - Terminated-id with default mapping to 10
- bundle-fail-local-mrru-mismatch - Terminated-id with default mapping to 10
- bundle-fail-local-mru-mismatch - Terminated-id with default mapping to 10
- bundle-fail-peer-endpoint-discriminator-mismatch - Terminated-id with default mapping to 10
- bundle-fail-peer-mrru-mismatch - Terminated-id with default mapping to 6
- bundle-fail-reassembly-location - Terminated-id with default mapping to 10
- bundle-fail-reassembly-mismatch - Terminated-id with default mapping to 10
- bundle-fail-record-network - Terminated-id with default mapping to 10
- bundle-fail-server-location-mismatch - Terminated-id with default mapping to 10
- bundle-fail-static-link - Terminated-id with default mapping to 10
- dynamic-profile-instantiation-failed - Terminated-id with default mapping to 9
- failover-during-authentication - Terminated-id with default mapping to 17
- interface-admin-disable - Terminated-id with default mapping to 6
- interface-no-hardware - Terminated-id with default mapping to 8
- ip-admin-disable - Terminated-id with default mapping to 10
- ip-failed-to-activate-family-inet - Terminated-id with default mapping to 10
- ip-failed-to-add-access-internal-route - Terminated-id with default mapping to 10
- ip-inhibited-by-authentication - Terminated-id with default mapping to 10
- ip-link-down - Terminated-id with default mapping to 10
- ip-max-configure-exceeded - Terminated-id with default mapping to 10
- ip-max-passive-retries-exceeded - Terminated-id with default mapping to 10

- ip-no-local-ip-address - Terminated-id with default mapping to 10
- ip-no-local-ip-address-mask - Terminated-id with default mapping to 10
- ip-no-local-primary-dns-address - Terminated-id with default mapping to 10
- ip-no-local-primary-nbns-address - Terminated-id with default mapping to 10
- ip-no-local-secondary-dns-address - Terminated-id with default mapping to 10
- ip-no-local-secondary-nbns-address - Terminated-id with default mapping to 10
- ip-no-peer-ip-address - Terminated-id with default mapping to 10
- ip-no-peer-ip-address-mask - Terminated-id with default mapping to 10
- ip-no-peer-primary-dns-address - Terminated-id with default mapping to 10
- ip-no-peer-primary-nbns-address - Terminated-id with default mapping to 10
- ip-no-peer-secondary-dns-address - Terminated-id with default mapping to 10
- ip-no-peer-secondary-nbns-address - Terminated-id with default mapping to 10
- ip-no-service - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- ip-peer-terminate-code-rej - Terminated-id with default mapping to 10
- ip-peer-terminate-term-ack - Terminated-id with default mapping to 10
- ip-peer-terminate-term-req - Terminated-id with default mapping to 10
- ip-service-disable - Terminated-id with default mapping to 10
- ip-stale-stacking - Terminated-id with default mapping to 10
- ipv6-admin-disable - Terminated-id with default mapping to 10
- ipv6-failed-to-activate-family-inet6 - Terminated-id with default mapping to 10
- ipv6-inhibited-by-authentication - Terminated-id with default mapping to 10
- ipv6-link-down - Terminated-id with default mapping to 10
- ipv6-local-and-peer-interface-ids-identical - Terminated-id with default mapping to 10
- ipv6-max-configure-exceeded - Terminated-id with default mapping to 10
- ipv6-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- ipv6-no-local-ipv6-interface-id - Terminated-id with default mapping to 10
- ipv6-no-peer-ipv6-interface-id - Terminated-id with default mapping to 10
- ipv6-no-service - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10

- ipv6-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- ipv6-peer-terminate-code-rej - Terminated-id with default mapping to 10
- ipv6-peer-terminate-term-ack - Terminated-id with default mapping to 10
- ipv6-peer-terminate-term-req - Terminated-id with default mapping to 10
- ipv6-service-disable - Terminated-id with default mapping to 10
- ipv6-stale-stacking - Terminated-id with default mapping to 10
- lcp-authenticate-terminate-hold - Terminated-id with default mapping to 10
- lcp-configured-mrru-too-small - Terminated-id with default mapping to 10
- lcp-configured-mru-invalid - Terminated-id with default mapping to 10
- lcp-configured-mru-too-small - Terminated-id with default mapping to 10
- lcp-dynamic-interface-hold - Terminated-id with default mapping to 10
- lcp-keepalive-failure - Terminated-id with default mapping to 10
- lcp-loopback-rx-conf-req - Terminated-id with default mapping to 10
- lcp-loopback-rx-echo-reply - Terminated-id with default mapping to 10
- lcp-loopback-rx-echo-req - Terminated-id with default mapping to 10
- lcp-max-configure-exceeded - Terminated-id with default mapping to 10
- lcp-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- lcp-mru-changed - Terminated-id with default mapping to 8
- lcp-negotiation-timeout - Terminated-id with default mapping to 10
- lcp-no-local-accm - Terminated-id with default mapping to 10
- lcp-no-local-acfc - Terminated-id with default mapping to 10
- lcp-no-local-authentication - Terminated-id with default mapping to 10
- lcp-no-local-endpoint-discriminator - Terminated-id with default mapping to 10
- lcp-no-local-magic-number - Terminated-id with default mapping to 10
- lcp-no-local-mrru - Terminated-id with default mapping to 10
- lcp-no-local-mru - Terminated-id with default mapping to 10
- lcp-no-local-pfc - Terminated-id with default mapping to 10
- lcp-no-peer-accm - Terminated-id with default mapping to 10
- lcp-no-peer-acfc - Terminated-id with default mapping to 10
- lcp-no-peer-authentication - Terminated-id with default mapping to 10
- lcp-no-peer-endpoint-discriminator - Terminated-id with default mapping to 10

- lcp-no-peer-magic-number - Terminated-id with default mapping to 10
- lcp-no-peer-mrru - Terminated-id with default mapping to 10
- lcp-no-peer-mru - Terminated-id with default mapping to 10
- lcp-no-peer-pfc - Terminated-id with default mapping to 10
- lcp-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 1
- lcp-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 1
- lcp-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 1
- lcp-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 1
- lcp-peer-terminate-code-rej - Terminated-id with default mapping to 1
- lcp-peer-terminate-protocol-reject - Terminated-id with default mapping to 1
- lcp-peer-terminate-term-ack - Terminated-id with default mapping to 1
- lcp-peer-terminate-term-req - Terminated-id with default mapping to 1
- lcp-tunnel-disconnected - Terminated-id with default mapping to 10
- lcp-tunnel-failed - Terminated-id with default mapping to 10
- license-limit-exceeded - Terminated-id with default mapping to 10
- link-interface-no-hardware - Terminated-id with default mapping to 10
- lower-interface-attach-failed - Terminated-id with default mapping to 2
- lower-interface-down - Terminated-id with default mapping to 2
- lower-interface-teardown - Terminated-id with default mapping to 17
- mpls-admin-disable - Terminated-id with default mapping to 10
- mpls-failed-to-activate-family-mpls - Terminated-id with default mapping to 10
- mpls-link-down - Terminated-id with default mapping to 10
- mpls-max-configure-exceeded - Terminated-id with default mapping to 10
- mpls-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- mpls-no-service - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- mpls-peer-terminate-code-rej - Terminated-id with default mapping to 10
- mpls-peer-terminate-term-ack - Terminated-id with default mapping to 10
- mpls-peer-terminate-term-req - Terminated-id with default mapping to 10
- mpls-service-disable - Terminated-id with default mapping to 10



- mpls-stale-stacking - Terminated-id with default mapping to 10
- network-interface-admin-disable - Terminated-id with default mapping to 10
- no-bundle - Terminated-id with default mapping to 8
- no-interface - Terminated-id with default mapping to 10
- no-link-interface - Terminated-id with default mapping to 10
- no-ncps-available - Terminated-id with default mapping to 10
- no-network-interface - Terminated-id with default mapping to 6
- no-upper-interface - Terminated-id with default mapping to 9
- osi-admin-disable - Terminated-id with default mapping to 10
- osi-failed-to-activate-family-osi - Terminated-id with default mapping to 10
- osi-link-down - Terminated-id with default mapping to 10
- osi-max-configure-exceeded - Terminated-id with default mapping to 10
- osi-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- osi-no-local-align-npdu - Terminated-id with default mapping to 10
- osi-no-peer-align-npdu - Terminated-id with default mapping to 10
- osi-no-service - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- osi-peer-terminate-code-rej - Terminated-id with default mapping to 10
- osi-peer-terminate-term-ack - Terminated-id with default mapping to 10
- osi-peer-terminate-term-req - Terminated-id with default mapping to 10
- osi-service-disable - Terminated-id with default mapping to 10
- osi-stale-stacking - Terminated-id with default mapping to 10
- recovery-active-state-cleanup - Terminated-id with default mapping to 9
- recovery-configured-state-cleanup - Terminated-id with default mapping to 9
- recovery-init-state-cleanup - Terminated-id with default mapping to 9
- recovery-terminated-state-cleanup - Terminated-id with default mapping to 9
- recovery-terminating-state-cleanup - Terminated-id with default mapping to 9
- session-init-failed - Terminated-id with default mapping to 9
- subscriber-mgr-activation-failed - Terminated-id with default mapping to 9
- subscriber-mgr-get-credentials-failed - Terminated-id with default mapping to 9

- subscriber-mgr-link-interface-not-found - Terminated-id with default mapping to 9
- subscriber-mgr-set-state-active-failed - Terminated-id with default mapping to 9
- issu-in-progress - Terminated-id with default mapping to 9
- session-access-interface-down - Terminated-id with default mapping to 8
- session-administrative-close - Terminated-id with default mapping to 6
- session-administrative-drain - Terminated-id with default mapping to 6
- session-call-down - Terminated-id with default mapping to 10
- session-call-failed - Terminated-id with default mapping to 15
- session-create-failed-icrq-to-initiator-tunnel - Terminated-id with default mapping to 9
- session-create-failed-invalid-config - Terminated-id with default mapping to 9
- session-create-failed-limit-reached - Terminated-id with default mapping to 9
- session-create-failed-no-resources - Terminated-id with default mapping to 9
- session-create-failed-single-shot-tunnel-already-fired - Terminated-id with default mapping to 9
- session-create-failed-too-busy - Terminated-id with default mapping to 9
- session-failover-protocol-resync-disconnect - Terminated-id with default mapping to 6
- session-hardware-unavailable - Terminated-id with default mapping to 8
- session-no-resources-server-port - Terminated-id with default mapping to 9
- session-not-ready - Terminated-id with default mapping to 9
- session-receive-cdn - Terminated-id with default mapping to 10
- session-receive-cdn-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-cdn-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-cdn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 10

- session-receive-cdn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-cdn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-cdn-no-resources - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-proxy-authen-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-unsupported-proxy-authen-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-iccn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-connect-speed - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-challenge - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-id - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-name - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-response - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-iccn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-iccn-no-resources - Terminated-id with default mapping to 10
- session-receive-iccn-unexpected - Terminated-id with default mapping to 10
- session-receive-icrp-avp-bad-hidden - Terminated-id with default mapping to 10

- session-receive-icrp-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrp-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrp-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-icrp-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-icrp-avp-unknown - Terminated-id with default mapping to 10
- session-receive-icrp-no-resources - Terminated-id with default mapping to 10
- session-receive-icrp-unexpected - Terminated-id with default mapping to 10
- session-receive-icrq-administrative-close - Terminated-id with default mapping to 6
- session-receive-icrq-authenticate-failed-host - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-value-bearer-type - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-value-cisco-nas-port - Terminated-id with default mapping to 10
- session-receive-icrq-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-icrq-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-mandatory-call-serial-number - Terminated-id with default mapping to 10

- session-receive-icrq-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-icrq-avp-unknown - Terminated-id with default mapping to 10
- session-receive-icrq-no-resources - Terminated-id with default mapping to 10
- session-receive-icrq-unexpected - Terminated-id with default mapping to 10
- session-receive-occn-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-occn-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-occn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-occn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-mandatory-connect-speed - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-occn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-occn-no-resources - Terminated-id with default mapping to 10
- session-receive-occn-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10

- session-receive-ocrp-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-unknown - Terminated-id with default mapping to 10
- session-receive-ocrp-no-resources - Terminated-id with default mapping to 10
- session-receive-ocrp-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrq-administrative-close - Terminated-id with default mapping to 6
- session-receive-ocrq-authenticate-failed-host - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-bearer-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-bearer-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-call-serial-number - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-called-number - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-maximum-bps - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-minimum-bps - Terminated-id with default mapping to 10

- session-receive-ocrq-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-unknown - Terminated-id with default mapping to 10
- session-receive-ocrq-no-resources - Terminated-id with default mapping to 10
- session-receive-ocrq-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrq-unsupported - Terminated-id with default mapping to 9
- session-receive-sli-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-sli-avp-bad-value-accm - Terminated-id with default mapping to 10
- session-receive-sli-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-sli-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-mandatory-accm - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-sli-avp-unknown - Terminated-id with default mapping to 10
- session-receive-sli-no-resources - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lac-incoming - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lac-outgoing - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lns-incoming - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lns-outgoing - Terminated-id with default mapping to 10
- session-receive-unknown-session-id - Terminated-id with default mapping to 10
- session-receive-wen-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-wen-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-wen-avp-malformed-truncated - Terminated-id with default mapping to 10

- session-receive-wen-avp-missing-mandatory-call-errors - Terminated-id with default mapping to 10
- session-receive-wen-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-wen-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-wen-avp-unknown - Terminated-id with default mapping to 10
- session-receive-wen-no-resources - Terminated-id with default mapping to 10
- session-timeout-connection - Terminated-id with default mapping to 10
- session-timeout-inactivity - Terminated-id with default mapping to 4
- session-timeout-session - Terminated-id with default mapping to 5
- session-timeout-upper-create - Terminated-id with default mapping to 9
- session-transmit-speed-unavailable - Terminated-id with default mapping to 9
- session-tunnel-down - Terminated-id with default mapping to 15
- session-tunnel-failed - Terminated-id with default mapping to 15
- session-tunnel-switch-profile-deleted - Terminated-id with default mapping to 6
- session-tunneled-interface-down - Terminated-id with default mapping to 8
- session-unknown-cause - Terminated-id with default mapping to 9
- session-upper-create-failed - Terminated-id with default mapping to 9
- session-upper-removed - Terminated-id with default mapping to 15
- session-warmstart-not-operational - Terminated-id with default mapping to 15
- session-warmstart-recovery-error - Terminated-id with default mapping to 15
- session-warmstart-uppper-not-restacked - Terminated-id with default mapping to 10
- tunnel-administrative-close - Terminated-id with default mapping to 6
- tunnel-administrative-drain - Terminated-id with default mapping to 6
- tunnel-control-channel-failed - Terminated-id with default mapping to 15
- tunnel-created-no-sessions - Terminated-id with default mapping to 1
- tunnel-destination-address-changed - Terminated-id with default mapping to 6
- tunnel-destination-down - Terminated-id with default mapping to 10
- tunnel-failover-protocol-no-resources-for-recovery-tunnel - Terminated-id with default mapping to 15
- tunnel-failover-protocol-no-resources-for-session-resync - Terminated-id with default mapping to 15



- tunnel-failover-protocol-not-supported - Terminated-id with default mapping to 15
- tunnel-failover-protocol-not-supported-by-peer - Terminated-id with default mapping to 15
- tunnel-failover-protocol-recovery-control-channel-failed - Terminated-id with default mapping to 15
- tunnel-failover-protocol-recovery-tunnel-failed - Terminated-id with default mapping to 15
- tunnel-failover-protocol-recovery-tunnel-finished - Terminated-id with default mapping to 1
- tunnel-failover-protocol-recovery-tunnel-primary-down - Terminated-id with default mapping to 1
- tunnel-failover-protocol-session-resync-failed - Terminated-id with default mapping to 15
- tunnel-host-profile-changed - Terminated-id with default mapping to 6
- tunnel-host-profile-deleted - Terminated-id with default mapping to 6
- tunnel-receive-fsq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-missing-mandatory-failover-session-state - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-fsq-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-fsq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-mandatory-failover-session-state - Terminated-id with default mapping to 15

- tunnel-receive-fsr-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-fsr-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-fsr-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-recovery-scccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-recovery-scccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccp-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccp-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccp-avp-missing-challenge-response - Terminated-id with default mapping to 17

- tunnel-receive-recovery-sccrp-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-recovery-sccrp-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-suggested-control-sequence - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-mismatched-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-mismatched-vendor-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-secret - Terminated-id with default mapping to 15

- tunnel-receive-recovery-sccrp-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-administrative-close - Terminated-id with default mapping to 6
- tunnel-receive-recovery-sccrq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-tunnel-recovery - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-duplicate-value-tie-breaker - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-mismatched-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-mismatched-vendor-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15

- tunnel-receive-recovery-sccrq-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-tunnel-recovery - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-tie-breaker - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-no-resources-max-tunnels - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-tunnel-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-random-vector - Terminated-id with default mapping to 15

- tunnel-receive-recovery-stopccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-unexpected-packet - Terminated-id with default mapping to 15
- tunnel-receive-recovery-unknown-packet-message-type-indecipherable - Terminated-id with default mapping to 15
- tunnel-receive-recovery-unknown-packet-message-type-unrecognized - Terminated-id with default mapping to 15
- tunnel-receive-scccn-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-scccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-scccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-scccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-scccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-scccn-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-authenticate-failed-challenge - Terminated-id with default mapping to 17

- tunnel-receive-sccrp-authenticate-failed-host - Terminated-id with default mapping to 17
- tunnel-receive-sccrp-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-failover-capability - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-sccrp-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-secret - Terminated-id with default mapping to 15

- tunnel-receive-sccrp-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-administrative-close - Terminated-id with default mapping to 6
- tunnel-receive-sccrq-authenticate-failed-host - Terminated-id with default mapping to 17
- tunnel-receive-sccrq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-failover-capability - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15



- tunnel-receive-sccrq-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-bad-address - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-invalid-ns - Terminated-id with default mapping to 10
- tunnel-receive-sccrq-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-no-resources-max-tunnels - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-session-packet-null-session-id-invalid - Terminated-id with default mapping to 15
- tunnel-receive-session-packet-null-session-id-without-assigned-session-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn - Terminated-id with default mapping to 1
- tunnel-receive-stopccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 15

- tunnel-receive-stopccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-unexpected-packet - Terminated-id with default mapping to 15
- tunnel-receive-unexpected-packet-for-session - Terminated-id with default mapping to 15
- tunnel-receive-unknown-packet-message-type-indecipherable - Terminated-id with default mapping to 15
- tunnel-receive-unknown-packet-message-type-unrecognized - Terminated-id with default mapping to 15
- tunnel-timeout-connection - Terminated-id with default mapping to 15
- tunnel-timeout-connection-recovery-tunnel - Terminated-id with default mapping to 15
- tunnel-timeout-idle - Terminated-id with default mapping to 1
- tunnel-unknown-cause - Terminated-id with default mapping to 9
- tunnel-warmstart-not-operational - Terminated-id with default mapping to 15
- tunnel-warmstart-recovery-error - Terminated-id with default mapping to 15

<logical-system>—Specify the logical-system in which to authenticate user

- logical-system-name - Specify the logical-system in which to authenticate user
- routing-instance-name - Specify the routing-instance in which to authenticate use
- admin-logout - Terminated-id with default mapping to 10
- authenticate-authenticator-timeout - Terminated-id with default mapping to 10
- authenticate-challenge-timeout - Terminated-id with default mapping to 17
- authenticate-chap-no-resources - Terminated-id with default mapping to 10
- authenticate-chap-peer-authenticator-timeout - Terminated-id with default mapping to 17
- authenticate-chap-peer-challenge-timeout - Terminated-id with default mapping to 17
- authenticate-deny-by-peer - Terminated-id with default mapping to 4

- `authenticate-eap-challenge-larger-than-mtu` - Terminated-id with default mapping to 10
- `authenticate-eap-peer-authenticator-timeout` - Terminated-id with default mapping to 10
- `authenticate-eap-request-timeout` - Terminated-id with default mapping to 10
- `authenticate-inactivity-timeout` - Terminated-id with default mapping to 8
- `authenticate-max-requests` - Terminated-id with default mapping to 10
- `authenticate-no-authenticator` - Terminated-id with default mapping to 10
- `authenticate-no-resources` - Terminated-id with default mapping to 10
- `authenticate-pap-peer-authenticator-timeout` - Terminated-id with default mapping to 10
- `authenticate-pap-request-timeout` - Terminated-id with default mapping to 5
- `authenticate-session-timeout` - Terminated-id with default mapping to 10
- `authenticate-too-many-requests` - Terminated-id with default mapping to 17
- `authenticate-tunnel-fail-immediate` - Terminated-id with default mapping to 10
- `authenticate-tunnel-unsupported-tunnel-type` - Terminated-id with default mapping to 10
- `bridging-admin-disable` - Terminated-id with default mapping to 10
- `bridging-failed-to-activate-family-bridging` - Terminated-id with default mapping to 10
- `bridging-inhibited-by-authentication` - Terminated-id with default mapping to 10
- `bridging-link-down` - Terminated-id with default mapping to 10
- `bridging-max-configure-exceeded` - Terminated-id with default mapping to 10
- `bridging-max-passive-retries-exceeded` - Terminated-id with default mapping to 10
- `bridging-max-sevice-disable` - Terminated-id with default mapping to 10
- `bridging-no-local-ieee802-tagged-frame-format` - Terminated-id with default mapping to 10
- `bridging-no-local-mac-frame-format` - Terminated-id with default mapping to 2
- `bridging-no-peer-ieee802-tagged-frame-format` - Terminated-id with default mapping to 10
- `bridging-no-peer-mac-fram-fromat` - Terminated-id with default mapping to 8
- `bridging-no-service` - Terminated-id with default mapping to 10
- `bridging-renegotiate-rx-conf-ack` - Terminated-id with default mapping to 10
- `bridging-renegotiate-rx-conf-nak` - Terminated-id with default mapping to 10
- `bridging-renegotiate-rx-conf-rej` - Terminated-id with default mapping to 10

- bridging-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- bridging-stale-stacking - Terminated-id with default mapping to 10
- bridging-terminate-code-rej - Terminated-id with default mapping to 10
- bridging-terminate-term-ack - Terminated-id with default mapping to 10
- bridging-terminate-term-req - Terminated-id with default mapping to 10
- bundle-fail-create - Terminated-id with default mapping to 10
- bundle-fail-engine-add - Terminated-id with default mapping to 10
- bundle-fail-fragment-size-mismatch - Terminated-id with default mapping to 10
- bundle-fail-fragmentation-location - Terminated-id with default mapping to 10
- bundle-fail-fragmentation-mismatch - Terminated-id with default mapping to 10
- bundle-fail-hash-link-selection-mismatch - Terminated-id with default mapping to 10
- bundle-fail-join - Terminated-id with default mapping to 10
- bundle-fail-local-mped-not-set-yet - Terminated-id with default mapping to 10
- bundle-fail-local-mrru-mismatch - Terminated-id with default mapping to 10
- bundle-fail-local-mru-mismatch - Terminated-id with default mapping to 10
- bundle-fail-peer-endpoint-discriminator-mismatch - Terminated-id with default mapping to 10
- bundle-fail-peer-mrru-mismatch - Terminated-id with default mapping to 6
- bundle-fail-reassembly-location - Terminated-id with default mapping to 10
- bundle-fail-reassembly-mismatch - Terminated-id with default mapping to 10
- bundle-fail-record-network - Terminated-id with default mapping to 10
- bundle-fail-server-location-mismatch - Terminated-id with default mapping to 10
- bundle-fail-static-link - Terminated-id with default mapping to 10
- dynamic-profile-instantiation-failed - Terminated-id with default mapping to 9
- failover-during-authentication - Terminated-id with default mapping to 17
- interface-admin-disable - Terminated-id with default mapping to 6
- interface-no-hardware - Terminated-id with default mapping to 8
- ip-admin-disable - Terminated-id with default mapping to 10
- ip-failed-to-activate-family-inet - Terminated-id with default mapping to 10
- ip-failed-to-add-access-internal-route - Terminated-id with default mapping to 10
- ip-inhibited-by-authentication - Terminated-id with default mapping to 10

- ip-link-down - Terminated-id with default mapping to 10
- ip-max-configure-exceeded - Terminated-id with default mapping to 10
- ip-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- ip-no-local-ip-address - Terminated-id with default mapping to 10
- ip-no-local-ip-address-mask - Terminated-id with default mapping to 10
- ip-no-local-primary-dns-address - Terminated-id with default mapping to 10
- ip-no-local-primary-nbns-address - Terminated-id with default mapping to 10
- ip-no-local-secondary-dns-address - Terminated-id with default mapping to 10
- ip-no-local-secondary-nbns-address - Terminated-id with default mapping to 10
- ip-no-peer-ip-address - Terminated-id with default mapping to 10
- ip-no-peer-ip-address-mask - Terminated-id with default mapping to 10
- ip-no-peer-primary-dns-address - Terminated-id with default mapping to 10
- ip-no-peer-primary-nbns-address - Terminated-id with default mapping to 10
- ip-no-peer-secondary-dns-address - Terminated-id with default mapping to 10
- ip-no-peer-secondary-nbns-address - Terminated-id with default mapping to 10
- ip-no-service - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- ip-peer-terminate-code-rej - Terminated-id with default mapping to 10
- ip-peer-terminate-term-ack - Terminated-id with default mapping to 10
- ip-peer-terminate-term-req - Terminated-id with default mapping to 10
- ip-service-disable - Terminated-id with default mapping to 10
- ip-stale-stacking - Terminated-id with default mapping to 10
- ipv6-admin-disable - Terminated-id with default mapping to 10
- ipv6-failed-to-activate-family-inet6 - Terminated-id with default mapping to 10
- ipv6-inhibited-by-authentication - Terminated-id with default mapping to 10
- ipv6-link-down - Terminated-id with default mapping to 10
- ipv6-local-and-peer-interface-ids-identical - Terminated-id with default mapping to 10
- ipv6-max-configure-exceeded - Terminated-id with default mapping to 10
- ipv6-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- ipv6-no-local-ipv6-interface-id - Terminated-id with default mapping to 10

- ipv6-no-peer-ipv6-interface-id - Terminated-id with default mapping to 10
- ipv6-no-service - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- ipv6-peer-terminate-code-rej - Terminated-id with default mapping to 10
- ipv6-peer-terminate-term-ack - Terminated-id with default mapping to 10
- ipv6-peer-terminate-term-req - Terminated-id with default mapping to 10
- ipv6-service-disable - Terminated-id with default mapping to 10
- ipv6-stale-stacking - Terminated-id with default mapping to 10
- lcp-authenticate-terminate-hold - Terminated-id with default mapping to 10
- lcp-configured-mrru-too-small - Terminated-id with default mapping to 10
- lcp-configured-mru-invalid - Terminated-id with default mapping to 10
- lcp-configured-mru-too-small - Terminated-id with default mapping to 10
- lcp-dynamic-interface-hold - Terminated-id with default mapping to 10
- lcp-keepalive-failure - Terminated-id with default mapping to 10
- lcp-loopback-rx-conf-req - Terminated-id with default mapping to 10
- lcp-loopback-rx-echo-reply - Terminated-id with default mapping to 10
- lcp-loopback-rx-echo-req - Terminated-id with default mapping to 10
- lcp-max-configure-exceeded - Terminated-id with default mapping to 10
- lcp-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- lcp-mru-changed - Terminated-id with default mapping to 8
- lcp-negotiation-timeout - Terminated-id with default mapping to 10
- lcp-no-local-accm - Terminated-id with default mapping to 10
- lcp-no-local-acfc - Terminated-id with default mapping to 10
- lcp-no-local-authentication - Terminated-id with default mapping to 10
- lcp-no-local-endpoint-discriminator - Terminated-id with default mapping to 10
- lcp-no-local-magic-number - Terminated-id with default mapping to 10
- lcp-no-local-mrru - Terminated-id with default mapping to 10
- lcp-no-local-mru - Terminated-id with default mapping to 10
- lcp-no-local-pfc - Terminated-id with default mapping to 10
- lcp-no-peer-accm - Terminated-id with default mapping to 10

- lcp-no-peer-acfc - Terminated-id with default mapping to 10
- lcp-no-peer-authentication - Terminated-id with default mapping to 10
- lcp-no-peer-endpoint-discriminator - Terminated-id with default mapping to 10
- lcp-no-peer-magic-number - Terminated-id with default mapping to 10
- lcp-no-peer-mrru - Terminated-id with default mapping to 10
- lcp-no-peer-mru - Terminated-id with default mapping to 10
- lcp-no-peer-pfc - Terminated-id with default mapping to 10
- lcp-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 1
- lcp-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 1
- lcp-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 1
- lcp-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 1
- lcp-peer-terminate-code-rej - Terminated-id with default mapping to 1
- lcp-peer-terminate-protocol-reject - Terminated-id with default mapping to 1
- lcp-peer-terminate-term-ack - Terminated-id with default mapping to 1
- lcp-peer-terminate-term-req - Terminated-id with default mapping to 1
- lcp-tunnel-disconnected - Terminated-id with default mapping to 10
- lcp-tunnel-failed - Terminated-id with default mapping to 10
- license-limit-exceeded - Terminated-id with default mapping to 10
- link-interface-no-hardware - Terminated-id with default mapping to 10
- lower-interface-attach-failed - Terminated-id with default mapping to 2
- lower-interface-down - Terminated-id with default mapping to 2
- lower-interface-teardown - Terminated-id with default mapping to 17
- mpls-admin-disable - Terminated-id with default mapping to 10
- mpls-failed-to-activate-family-mpls - Terminated-id with default mapping to 10
- mpls-link-down - Terminated-id with default mapping to 10
- mpls-max-configure-exceeded - Terminated-id with default mapping to 10
- mpls-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- mpls-no-service - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- mpls-peer-terminate-code-rej - Terminated-id with default mapping to 10

- mpls-peer-terminate-term-ack - Terminated-id with default mapping to 10
- mpls-peer-terminate-term-req - Terminated-id with default mapping to 10
- mpls-service-disable - Terminated-id with default mapping to 10
- mpls-stale-stacking - Terminated-id with default mapping to 10
- network-interface-admin-disable - Terminated-id with default mapping to 10
- no-bundle - Terminated-id with default mapping to 8
- no-interface - Terminated-id with default mapping to 10
- no-link-interface - Terminated-id with default mapping to 10
- no-ncps-available - Terminated-id with default mapping to 10
- no-network-interface - Terminated-id with default mapping to 6
- no-upper-interface - Terminated-id with default mapping to 9
- osi-admin-disable - Terminated-id with default mapping to 10
- osi-failed-to-activate-family-osi - Terminated-id with default mapping to 10
- osi-link-down - Terminated-id with default mapping to 10
- osi-max-configure-exceeded - Terminated-id with default mapping to 10
- osi-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- osi-no-local-align-npdu - Terminated-id with default mapping to 10
- osi-no-peer-align-npdu - Terminated-id with default mapping to 10
- osi-no-service - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- osi-peer-terminate-code-rej - Terminated-id with default mapping to 10
- osi-peer-terminate-term-ack - Terminated-id with default mapping to 10
- osi-peer-terminate-term-req - Terminated-id with default mapping to 10
- osi-service-disable - Terminated-id with default mapping to 10
- osi-stale-stacking - Terminated-id with default mapping to 10
- recovery-active-state-cleanup - Terminated-id with default mapping to 9
- recovery-configured-state-cleanup - Terminated-id with default mapping to 9
- recovery-init-state-cleanup - Terminated-id with default mapping to 9
- recovery-terminated-state-cleanup - Terminated-id with default mapping to 9
- recovery-terminating-state-cleanup - Terminated-id with default mapping to 9



- session-init-failed - Terminated-id with default mapping to 9
- subscriber-mgr-activation-failed - Terminated-id with default mapping to 9
- subscriber-mgr-get-credentials-failed - Terminated-id with default mapping to 9
- subscriber-mgr-link-interface-not-found - Terminated-id with default mapping to 9
- subscriber-mgr-set-state-active-failed - Terminated-id with default mapping to 9
- issu-in-progress - Terminated-id with default mapping to 9
- session-access-interface-down - Terminated-id with default mapping to 8
- session-administrative-close - Terminated-id with default mapping to 6
- session-administrative-drain - Terminated-id with default mapping to 6
- session-call-down - Terminated-id with default mapping to 10
- session-call-failed - Terminated-id with default mapping to 15
- session-create-failed-icrq-to-initiator-tunnel - Terminated-id with default mapping to 9
- session-create-failed-invalid-config - Terminated-id with default mapping to 9
- session-create-failed-limit-reached - Terminated-id with default mapping to 9
- session-create-failed-no-resources - Terminated-id with default mapping to 9
- session-create-failed-single-shot-tunnel-already-fired - Terminated-id with default mapping to 9
- session-create-failed-too-busy - Terminated-id with default mapping to 9
- session-failover-protocol-resync-disconnect - Terminated-id with default mapping to 6
- session-hardware-unavailable - Terminated-id with default mapping to 8
- session-no-resources-server-port - Terminated-id with default mapping to 9
- session-not-ready - Terminated-id with default mapping to 9
- session-receive-cdn - Terminated-id with default mapping to 10
- session-receive-cdn-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-cdn-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-malformed-bad-length - Terminated-id with default mapping to 10

- session-receive-cdn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-cdn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-cdn-no-resources - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-proxy-authen-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-unsupported-proxy-authen-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-iccn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-connect-speed - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-challenge - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-id - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-name - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-response - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-random-vector - Terminated-id with default mapping to 10

- session-receive-iccn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-iccn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-iccn-no-resources - Terminated-id with default mapping to 10
- session-receive-iccn-unexpected - Terminated-id with default mapping to 10
- session-receive-icrp-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-icrp-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrp-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrp-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-icrp-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-icrp-avp-unknown - Terminated-id with default mapping to 10
- session-receive-icrp-no-resources - Terminated-id with default mapping to 10
- session-receive-icrp-unexpected - Terminated-id with default mapping to 10
- session-receive-icrq-administrative-close - Terminated-id with default mapping to 6
- session-receive-icrq-authenticate-failed-host - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-value-bearer-type - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-value-cisco-nas-port - Terminated-id with default mapping to 10
- session-receive-icrq-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-malformed-bad-length - Terminated-id with default mapping to 10

- session-receive-icrq-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-mandatory-call-serial-number - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-icrq-avp-unknown - Terminated-id with default mapping to 10
- session-receive-icrq-no-resources - Terminated-id with default mapping to 10
- session-receive-icrq-unexpected - Terminated-id with default mapping to 10
- session-receive-occn-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-occn-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-occn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-occn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-mandatory-connect-speed - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-occn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-occn-no-resources - Terminated-id with default mapping to 10
- session-receive-occn-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10

- session-receive-ocrp-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-unknown - Terminated-id with default mapping to 10
- session-receive-ocrp-no-resources - Terminated-id with default mapping to 10
- session-receive-ocrp-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrq-administrative-close - Terminated-id with default mapping to 6
- session-receive-ocrq-authenticate-failed-host - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-bearer-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-bearer-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-call-serial-number - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-called-number - Terminated-id with default mapping to 10

- session-receive-ocrq-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-maximum-bps - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-minimum-bps - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-unknown - Terminated-id with default mapping to 10
- session-receive-ocrq-no-resources - Terminated-id with default mapping to 10
- session-receive-ocrq-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrq-unsupported - Terminated-id with default mapping to 9
- session-receive-sli-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-sli-avp-bad-value-accm - Terminated-id with default mapping to 10
- session-receive-sli-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-sli-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-mandatory-accm - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-sli-avp-unknown - Terminated-id with default mapping to 10
- session-receive-sli-no-resources - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lac-incoming - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lac-outgoing - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lns-incoming - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lns-outgoing - Terminated-id with default mapping to 10
- session-receive-unknown-session-id - Terminated-id with default mapping to 10

- session-receive-wen-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-wen-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-wen-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-wen-avp-missing-mandatory-call-errors - Terminated-id with default mapping to 10
- session-receive-wen-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-wen-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-wen-avp-unknown - Terminated-id with default mapping to 10
- session-receive-wen-no-resources - Terminated-id with default mapping to 10
- session-timeout-connection - Terminated-id with default mapping to 10
- session-timeout-inactivity - Terminated-id with default mapping to 4
- session-timeout-session - Terminated-id with default mapping to 5
- session-timeout-upper-create - Terminated-id with default mapping to 9
- session-transmit-speed-unavailable - Terminated-id with default mapping to 9
- session-tunnel-down - Terminated-id with default mapping to 15
- session-tunnel-failed - Terminated-id with default mapping to 15
- session-tunnel-switch-profile-deleted - Terminated-id with default mapping to 6
- session-tunneled-interface-down - Terminated-id with default mapping to 8
- session-unknown-cause - Terminated-id with default mapping to 9
- session-upper-create-failed - Terminated-id with default mapping to 9
- session-upper-removed - Terminated-id with default mapping to 15
- session-warmstart-not-operational - Terminated-id with default mapping to 15
- session-warmstart-recovery-error - Terminated-id with default mapping to 15
- session-warmstart-uppper-not-restacked - Terminated-id with default mapping to 10
- tunnel-administrative-close - Terminated-id with default mapping to 6
- tunnel-administrative-drain - Terminated-id with default mapping to 6
- tunnel-control-channel-failed - Terminated-id with default mapping to 15
- tunnel-created-no-sessions - Terminated-id with default mapping to 1
- tunnel-destination-address-changed - Terminated-id with default mapping to 6

- tunnel-destination-down - Terminated-id with default mapping to 10
- tunnel-failover-protocol-no-resources-for-recovery-tunnel - Terminated-id with default mapping to 15
- tunnel-failover-protocol-no-resources-for-session-resync - Terminated-id with default mapping to 15
- tunnel-failover-protocol-not-supported - Terminated-id with default mapping to 15
- tunnel-failover-protocol-not-supported-by-peer - Terminated-id with default mapping to 15
- tunnel-failover-protocol-recovery-control-channel-failed - Terminated-id with default mapping to 15
- tunnel-failover-protocol-recovery-tunnel-failed - Terminated-id with default mapping to 15
- tunnel-failover-protocol-recovery-tunnel-finished - Terminated-id with default mapping to 1
- tunnel-failover-protocol-recovery-tunnel-primary-down - Terminated-id with default mapping to 1
- tunnel-failover-protocol-session-resync-failed - Terminated-id with default mapping to 15
- tunnel-host-profile-changed - Terminated-id with default mapping to 6
- tunnel-host-profile-deleted - Terminated-id with default mapping to 6
- tunnel-receive-fsq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-missing-mandatory-failover-session-state - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-fsq-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-fsq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-bad-hidden - Terminated-id with default mapping to 15



- tunnel-receive-fsr-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-mandatory-failover-session-state - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-fsr-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-fsr-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-recovery-scccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-recovery-scccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-session-id-not-null - Terminated-id with default mapping to 15

- tunnel-receive-recovery-scccp-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccp-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccp-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-recovery-sccrp-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-recovery-sccrp-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-suggested-control-sequence - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-mismatched-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-mismatched-vendor-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15

- tunnel-receive-recovery-sccrp-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-administrative-close - Terminated-id with default mapping to 6
- tunnel-receive-recovery-sccrq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-tunnel-recovery - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-duplicate-value-tie-breaker - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-malformed-truncated - Terminated-id with default mapping to 15

- tunnel-receive-recovery-sccrq-avp-mismatched-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-mismatched-vendor-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-tunnel-recovery - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-tie-breaker - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-no-resources-max-tunnels - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-tunnel-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-malformed-truncated - Terminated-id with default mapping to 15

- tunnel-receive-recovery-stopccn-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-unexpected-packet - Terminated-id with default mapping to 15
- tunnel-receive-recovery-unknown-packet-message-type-indecipherable - Terminated-id with default mapping to 15
- tunnel-receive-recovery-unknown-packet-message-type-unrecognized - Terminated-id with default mapping to 15
- tunnel-receive-scccn-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-scccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-scccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-unknown - Terminated-id with default mapping to 15

- tunnel-receive-scccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-scccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-scccn-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-sccrp-authenticate-failed-host - Terminated-id with default mapping to 17
- tunnel-receive-sccrp-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-failover-capability - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-sccrp-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15

- tunnel-receive-sccrp-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-administrative-close - Terminated-id with default mapping to 6
- tunnel-receive-sccrq-authenticate-failed-host - Terminated-id with default mapping to 17
- tunnel-receive-sccrq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-failover-capability - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15

- tunnel-receive-sccrq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-bad-address - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-invalid-ns - Terminated-id with default mapping to 10
- tunnel-receive-sccrq-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-no-resources-max-tunnels - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-session-packet-null-session-id-invalid - Terminated-id with default mapping to 15
- tunnel-receive-session-packet-null-session-id-without-assigned-session-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn - Terminated-id with default mapping to 1
- tunnel-receive-stopccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15



- tunnel-receive-stopccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-unexpected-packet - Terminated-id with default mapping to 15
- tunnel-receive-unexpected-packet-for-session - Terminated-id with default mapping to 15
- tunnel-receive-unknown-packet-message-type-indecipherable - Terminated-id with default mapping to 15
- tunnel-receive-unknown-packet-message-type-unrecognized - Terminated-id with default mapping to 15
- tunnel-timeout-connection - Terminated-id with default mapping to 15
- tunnel-timeout-connection-recovery-tunnel - Terminated-id with default mapping to 15
- tunnel-timeout-idle - Terminated-id with default mapping to 1
- tunnel-unknown-cause - Terminated-id with default mapping to 9
- tunnel-warmstart-not-operational - Terminated-id with default mapping to 15
- tunnel-warmstart-recovery-error - Terminated-id with default mapping to 15

<routing-instance>—Specify the routing-instance in which to authenticate user

- routing-instance-name - Specify the routing-instance in which to authenticate use
- admin-logout - Terminated-id with default mapping to 10
- authenticate-authenticator-timeout - Terminated-id with default mapping to 10

- authenticate-challenge-timeout - Terminated-id with default mapping to 17
- authenticate-chap-no-resources - Terminated-id with default mapping to 10
- authenticate-chap-peer-authenticator-timeout - Terminated-id with default mapping to 17
- authenticate-chap-peer-challenge-timeout - Terminated-id with default mapping to 17
- authenticate-deny-by-peer - Terminated-id with default mapping to 4
- authenticate-eap-challenge-larger-than-mtu - Terminated-id with default mapping to 10
- authenticate-eap-peer-authenticator-timeout - Terminated-id with default mapping to 10
- authenticate-eap-request-timeout - Terminated-id with default mapping to 10
- authenticate-inactivity-timeout - Terminated-id with default mapping to 8
- authenticate-max-requests - Terminated-id with default mapping to 10
- authenticate-no-authenticator - Terminated-id with default mapping to 10
- authenticate-no-resources - Terminated-id with default mapping to 10
- authenticate-pap-peer-authenticator-timeout - Terminated-id with default mapping to 10
- authenticate-pap-request-timeout - Terminated-id with default mapping to 5
- authenticate-session-timeout - Terminated-id with default mapping to 10
- authenticate-too-many-requests - Terminated-id with default mapping to 17
- authenticate-tunnel-fail-immediate - Terminated-id with default mapping to 10
- authenticate-tunnel-unsupported-tunnel-type - Terminated-id with default mapping to 10
- bridging-admin-disable - Terminated-id with default mapping to 10
- bridging-failed-to-activate-family-bridging - Terminated-id with default mapping to 10
- bridging-inhibited-by-authentication - Terminated-id with default mapping to 10
- bridging-link-down - Terminated-id with default mapping to 10
- bridging-max-configure-exceeded - Terminated-id with default mapping to 10
- bridging-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- bridging-max-sevice-disable - Terminated-id with default mapping to 10
- bridging-no-local-ieee802-tagged-frame-format - Terminated-id with default mapping to 10
- bridging-no-local-mac-frame-format - Terminated-id with default mapping to 2

- bridging-no-peer-ieee802-tagged-frame-format - Terminated-id with default mapping to 10
- bridging-no-peer-mac-fram-fromat - Terminated-id with default mapping to 8
- bridging-no-service - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- bridging-stale-stacking - Terminated-id with default mapping to 10
- bridging-terminate-code-rej - Terminated-id with default mapping to 10
- bridging-terminate-term-ack - Terminated-id with default mapping to 10
- bridging-terminate-term-req - Terminated-id with default mapping to 10
- bundle-fail-create - Terminated-id with default mapping to 10
- bundle-fail-engine-add - Terminated-id with default mapping to 10
- bundle-fail-fragment-size-mismatch - Terminated-id with default mapping to 10
- bundle-fail-fragmentation-location - Terminated-id with default mapping to 10
- bundle-fail-fragmentation-mismatch - Terminated-id with default mapping to 10
- bundle-fail-hash-link-selection-mismatch - Terminated-id with default mapping to 10
- bundle-fail-join - Terminated-id with default mapping to 10
- bundle-fail-local-mped-not-set-yet - Terminated-id with default mapping to 10
- bundle-fail-local-mrru-mismatch - Terminated-id with default mapping to 10
- bundle-fail-local-mru-mismatch - Terminated-id with default mapping to 10
- bundle-fail-peer-endpoint-discriminator-mismatch - Terminated-id with default mapping to 10
- bundle-fail-peer-mrru-mismatch - Terminated-id with default mapping to 6
- bundle-fail-reassembly-location - Terminated-id with default mapping to 10
- bundle-fail-reassembly-mismatch - Terminated-id with default mapping to 10
- bundle-fail-record-network - Terminated-id with default mapping to 10
- bundle-fail-server-location-mismatch - Terminated-id with default mapping to 10
- bundle-fail-static-link - Terminated-id with default mapping to 10
- dynamic-profile-instantiation-failed - Terminated-id with default mapping to 9
- failover-during-authentication - Terminated-id with default mapping to 17

- interface-admin-disable - Terminated-id with default mapping to 6
- interface-no-hardware - Terminated-id with default mapping to 8
- ip-admin-disable - Terminated-id with default mapping to 10
- ip-failed-to-activate-family-inet - Terminated-id with default mapping to 10
- ip-failed-to-add-access-internal-route - Terminated-id with default mapping to 10
- ip-inhibited-by-authentication - Terminated-id with default mapping to 10
- ip-link-down - Terminated-id with default mapping to 10
- ip-max-configure-exceeded - Terminated-id with default mapping to 10
- ip-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- ip-no-local-ip-address - Terminated-id with default mapping to 10
- ip-no-local-ip-address-mask - Terminated-id with default mapping to 10
- ip-no-local-primary-dns-address - Terminated-id with default mapping to 10
- ip-no-local-primary-nbns-address - Terminated-id with default mapping to 10
- ip-no-local-secondary-dns-address - Terminated-id with default mapping to 10
- ip-no-local-secondary-nbns-address - Terminated-id with default mapping to 10
- ip-no-peer-ip-address - Terminated-id with default mapping to 10
- ip-no-peer-ip-address-mask - Terminated-id with default mapping to 10
- ip-no-peer-primary-dns-address - Terminated-id with default mapping to 10
- ip-no-peer-primary-nbns-address - Terminated-id with default mapping to 10
- ip-no-peer-secondary-dns-address - Terminated-id with default mapping to 10
- ip-no-peer-secondary-nbns-address - Terminated-id with default mapping to 10
- ip-no-service - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- ip-peer-terminate-code-rej - Terminated-id with default mapping to 10
- ip-peer-terminate-term-ack - Terminated-id with default mapping to 10
- ip-peer-terminate-term-req - Terminated-id with default mapping to 10
- ip-service-disable - Terminated-id with default mapping to 10
- ip-stale-stacking - Terminated-id with default mapping to 10
- ipv6-admin-disable - Terminated-id with default mapping to 10
- ipv6-failed-to-activate-family-inet6 - Terminated-id with default mapping to 10

- ipv6-inhibited-by-authentication - Terminated-id with default mapping to 10
- ipv6-link-down - Terminated-id with default mapping to 10
- ipv6-local-and-peer-interface-ids-identical - Terminated-id with default mapping to 10
- ipv6-max-configure-exceeded - Terminated-id with default mapping to 10
- ipv6-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- ipv6-no-local-ipv6-interface-id - Terminated-id with default mapping to 10
- ipv6-no-peer-ipv6-interface-id - Terminated-id with default mapping to 10
- ipv6-no-service - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- ipv6-peer-terminate-code-rej - Terminated-id with default mapping to 10
- ipv6-peer-terminate-term-ack - Terminated-id with default mapping to 10
- ipv6-peer-terminate-term-req - Terminated-id with default mapping to 10
- ipv6-service-disable - Terminated-id with default mapping to 10
- ipv6-stale-stacking - Terminated-id with default mapping to 10
- lcp-authenticate-terminate-hold - Terminated-id with default mapping to 10
- lcp-configured-mrru-too-small - Terminated-id with default mapping to 10
- lcp-configured-mru-invalid - Terminated-id with default mapping to 10
- lcp-configured-mru-too-small - Terminated-id with default mapping to 10
- lcp-dynamic-interface-hold - Terminated-id with default mapping to 10
- lcp-keepalive-failure - Terminated-id with default mapping to 10
- lcp-loopback-rx-conf-req - Terminated-id with default mapping to 10
- lcp-loopback-rx-echo-reply - Terminated-id with default mapping to 10
- lcp-loopback-rx-echo-req - Terminated-id with default mapping to 10
- lcp-max-configure-exceeded - Terminated-id with default mapping to 10
- lcp-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- lcp-mru-changed - Terminated-id with default mapping to 8
- lcp-negotiation-timeout - Terminated-id with default mapping to 10
- lcp-no-local-accm - Terminated-id with default mapping to 10
- lcp-no-local-acfc - Terminated-id with default mapping to 10
- lcp-no-local-authentication - Terminated-id with default mapping to 10

- lcp-no-local-endpoint-discriminator - Terminated-id with default mapping to 10
- lcp-no-local-magic-number - Terminated-id with default mapping to 10
- lcp-no-local-mrru - Terminated-id with default mapping to 10
- lcp-no-local-mru - Terminated-id with default mapping to 10
- lcp-no-local-pfc - Terminated-id with default mapping to 10
- lcp-no-peer-accm - Terminated-id with default mapping to 10
- lcp-no-peer-acfc - Terminated-id with default mapping to 10
- lcp-no-peer-authentication - Terminated-id with default mapping to 10
- lcp-no-peer-endpoint-discriminator - Terminated-id with default mapping to 10
- lcp-no-peer-magic-number - Terminated-id with default mapping to 10
- lcp-no-peer-mrru - Terminated-id with default mapping to 10
- lcp-no-peer-mru - Terminated-id with default mapping to 10
- lcp-no-peer-pfc - Terminated-id with default mapping to 10
- lcp-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 1
- lcp-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 1
- lcp-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 1
- lcp-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 1
- lcp-peer-terminate-code-rej - Terminated-id with default mapping to 1
- lcp-peer-terminate-protocol-reject - Terminated-id with default mapping to 1
- lcp-peer-terminate-term-ack - Terminated-id with default mapping to 1
- lcp-peer-terminate-term-req - Terminated-id with default mapping to 1
- lcp-tunnel-disconnected - Terminated-id with default mapping to 10
- lcp-tunnel-failed - Terminated-id with default mapping to 10
- license-limit-exceeded - Terminated-id with default mapping to 10
- link-interface-no-hardware - Terminated-id with default mapping to 10
- lower-interface-attach-failed - Terminated-id with default mapping to 2
- lower-interface-down - Terminated-id with default mapping to 2
- lower-interface-teardown - Terminated-id with default mapping to 17
- mpls-admin-disable - Terminated-id with default mapping to 10
- mpls-failed-to-activate-family-mpls - Terminated-id with default mapping to 10
- mpls-link-down - Terminated-id with default mapping to 10
- mpls-max-configure-exceeded - Terminated-id with default mapping to 10
- mpls-max-passive-retries-exceeded - Terminated-id with default mapping to 10

- mpls-no-service - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- mpls-peer-terminate-code-rej - Terminated-id with default mapping to 10
- mpls-peer-terminate-term-ack - Terminated-id with default mapping to 10
- mpls-peer-terminate-term-req - Terminated-id with default mapping to 10
- mpls-service-disable - Terminated-id with default mapping to 10
- mpls-stale-stacking - Terminated-id with default mapping to 10
- network-interface-admin-disable - Terminated-id with default mapping to 10
- no-bundle - Terminated-id with default mapping to 8
- no-interface - Terminated-id with default mapping to 10
- no-link-interface - Terminated-id with default mapping to 10
- no-ncps-available - Terminated-id with default mapping to 10
- no-network-interface - Terminated-id with default mapping to 6
- no-upper-interface - Terminated-id with default mapping to 9
- osi-admin-disable - Terminated-id with default mapping to 10
- osi-failed-to-activate-family-osi - Terminated-id with default mapping to 10
- osi-link-down - Terminated-id with default mapping to 10
- osi-max-configure-exceeded - Terminated-id with default mapping to 10
- osi-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- osi-no-local-align-npdu - Terminated-id with default mapping to 10
- osi-no-peer-align-npdu - Terminated-id with default mapping to 10
- osi-no-service - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- osi-peer-terminate-code-rej - Terminated-id with default mapping to 10
- osi-peer-terminate-term-ack - Terminated-id with default mapping to 10
- osi-peer-terminate-term-req - Terminated-id with default mapping to 10
- osi-service-disable - Terminated-id with default mapping to 10

- `osi-stale-stacking` - Terminated-id with default mapping to 10
- `recovery-active-state-cleanup` - Terminated-id with default mapping to 9
- `recovery-configured-state-cleanup` - Terminated-id with default mapping to 9
- `recovery-init-state-cleanup` - Terminated-id with default mapping to 9
- `recovery-terminated-state-cleanup` - Terminated-id with default mapping to 9
- `recovery-terminating-state-cleanup` - Terminated-id with default mapping to 9
- `session-init-failed` - Terminated-id with default mapping to 9
- `subscriber-mgr-activation-failed` - Terminated-id with default mapping to 9
- `subscriber-mgr-get-credentials-failed` - Terminated-id with default mapping to 9
- `subscriber-mgr-link-interface-not-found` - Terminated-id with default mapping to 9
- `subscriber-mgr-set-state-active-failed` - Terminated-id with default mapping to 9
- `issu-in-progress` - Terminated-id with default mapping to 9
- `session-access-interface-down` - Terminated-id with default mapping to 8
- `session-administrative-close` - Terminated-id with default mapping to 6
- `session-administrative-drain` - Terminated-id with default mapping to 6
- `session-call-down` - Terminated-id with default mapping to 10
- `session-call-failed` - Terminated-id with default mapping to 15
- `session-create-failed-icrq-to-initiator-tunnel` - Terminated-id with default mapping to 9
- `session-create-failed-invalid-config` - Terminated-id with default mapping to 9
- `session-create-failed-limit-reached` - Terminated-id with default mapping to 9
- `session-create-failed-no-resources` - Terminated-id with default mapping to 9
- `session-create-failed-single-shot-tunnel-already-fired` - Terminated-id with default mapping to 9
- `session-create-failed-too-busy` - Terminated-id with default mapping to 9
- `session-failover-protocol-resync-disconnect` - Terminated-id with default mapping to 6
- `session-hardware-unavailable` - Terminated-id with default mapping to 8
- `session-no-resources-server-port` - Terminated-id with default mapping to 9
- `session-not-ready` - Terminated-id with default mapping to 9
- `session-receive-cdn` - Terminated-id with default mapping to 10
- `session-receive-cdn-avp-bad-hidden` - Terminated-id with default mapping to 10



- session-receive-cdn-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-cdn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-cdn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-cdn-no-resources - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-proxy-authen-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-unsupported-proxy-authen-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-iccn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-connect-speed - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-challenge - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-id - Terminated-id with default mapping to 10

- session-receive-iccn-avp-missing-mandatory-proxy-authen-name - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-response - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-iccn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-iccn-no-resources - Terminated-id with default mapping to 10
- session-receive-iccn-unexpected - Terminated-id with default mapping to 10
- session-receive-icrp-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-icrp-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrp-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrp-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-icrp-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-icrp-avp-unknown - Terminated-id with default mapping to 10
- session-receive-icrp-no-resources - Terminated-id with default mapping to 10
- session-receive-icrp-unexpected - Terminated-id with default mapping to 10
- session-receive-icrq-administrative-close - Terminated-id with default mapping to 6
- session-receive-icrq-authenticate-failed-host - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-value-bearer-type - Terminated-id with default mapping to 10

- session-receive-icrq-avp-bad-value-cisco-nas-port - Terminated-id with default mapping to 10
- session-receive-icrq-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-icrq-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-mandatory-call-serial-number - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-icrq-avp-unknown - Terminated-id with default mapping to 10
- session-receive-icrq-no-resources - Terminated-id with default mapping to 10
- session-receive-icrq-unexpected - Terminated-id with default mapping to 10
- session-receive-occn-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-occn-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-occn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-occn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-mandatory-connect-speed - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-occn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-occn-no-resources - Terminated-id with default mapping to 10
- session-receive-occn-unexpected - Terminated-id with default mapping to 10

- session-receive-ocrp-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-unknown - Terminated-id with default mapping to 10
- session-receive-ocrp-no-resources - Terminated-id with default mapping to 10
- session-receive-ocrp-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrq-administrative-close - Terminated-id with default mapping to 6
- session-receive-ocrq-authenticate-failed-host - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-bearer-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10

- session-receive-ocrq-avp-missing-mandatory-bearer-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-call-serial-number - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-called-number - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-maximum-bps - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-minimum-bps - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-unknown - Terminated-id with default mapping to 10
- session-receive-ocrq-no-resources - Terminated-id with default mapping to 10
- session-receive-ocrq-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrq-unsupported - Terminated-id with default mapping to 9
- session-receive-sli-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-sli-avp-bad-value-accm - Terminated-id with default mapping to 10
- session-receive-sli-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-sli-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-mandatory-accm - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-sli-avp-unknown - Terminated-id with default mapping to 10
- session-receive-sli-no-resources - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lac-incoming - Terminated-id with default mapping to 10

- session-receive-unexpected-packet-lac-outgoing - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lns-incoming - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lns-outgoing - Terminated-id with default mapping to 10
- session-receive-unknown-session-id - Terminated-id with default mapping to 10
- session-receive-wen-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-wen-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-wen-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-wen-avp-missing-mandatory-call-errors - Terminated-id with default mapping to 10
- session-receive-wen-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-wen-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-wen-avp-unknown - Terminated-id with default mapping to 10
- session-receive-wen-no-resources - Terminated-id with default mapping to 10
- session-timeout-connection - Terminated-id with default mapping to 10
- session-timeout-inactivity - Terminated-id with default mapping to 4
- session-timeout-session - Terminated-id with default mapping to 5
- session-timeout-upper-create - Terminated-id with default mapping to 9
- session-transmit-speed-unavailable - Terminated-id with default mapping to 9
- session-tunnel-down - Terminated-id with default mapping to 15
- session-tunnel-failed - Terminated-id with default mapping to 15
- session-tunnel-switch-profile-deleted - Terminated-id with default mapping to 6
- session-tunneled-interface-down - Terminated-id with default mapping to 8
- session-unknown-cause - Terminated-id with default mapping to 9
- session-upper-create-failed - Terminated-id with default mapping to 9
- session-upper-removed - Terminated-id with default mapping to 15
- session-warmstart-not-operational - Terminated-id with default mapping to 15
- session-warmstart-recovery-error - Terminated-id with default mapping to 15

- session-warmstart-uppper-not-restacked - Terminated-id with default mapping to 10
- tunnel-administrative-close - Terminated-id with default mapping to 6
- tunnel-administrative-drain - Terminated-id with default mapping to 6
- tunnel-control-channel-failed - Terminated-id with default mapping to 15
- tunnel-created-no-sessions - Terminated-id with default mapping to 1
- tunnel-destination-address-changed - Terminated-id with default mapping to 6
- tunnel-destination-down - Terminated-id with default mapping to 10
- tunnel-failover-protocol-no-resources-for-recovery-tunnel - Terminated-id with default mapping to 15
- tunnel-failover-protocol-no-resources-for-session-resync - Terminated-id with default mapping to 15
- tunnel-failover-protocol-not-supported - Terminated-id with default mapping to 15
- tunnel-failover-protocol-not-supported-by-peer - Terminated-id with default mapping to 15
- tunnel-failover-protocol-recovery-control-channel-failed - Terminated-id with default mapping to 15
- tunnel-failover-protocol-recovery-tunnel-failed - Terminated-id with default mapping to 15
- tunnel-failover-protocol-recovery-tunnel-finished - Terminated-id with default mapping to 1
- tunnel-failover-protocol-recovery-tunnel-primary-down - Terminated-id with default mapping to 1
- tunnel-failover-protocol-session-resync-failed - Terminated-id with default mapping to 15
- tunnel-host-profile-changed - Terminated-id with default mapping to 6
- tunnel-host-profile-deleted - Terminated-id with default mapping to 6
- tunnel-receive-fsq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-missing-mandatory-failover-session-state - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-missing-random-vector - Terminated-id with default mapping to 15

- tunnel-receive-fsq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-fsq-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-fsq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-mandatory-failover-session-state - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-fsr-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-fsr-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-recovery-scccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-recovery-scccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-unexpected-challenge-response - Terminated-id with default mapping to 15



- tunnel-receive-recovery-scccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccp-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccp-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccp-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-recovery-sccrp-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-recovery-sccrp-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-suggested-control-sequence - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-mismatched-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-mismatched-vendor-name - Terminated-id with default mapping to 15

- tunnel-receive-recovery-sccrp-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-administrative-close - Terminated-id with default mapping to 6
- tunnel-receive-recovery-sccrq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-tunnel-recovery - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15

- tunnel-receive-recovery-sccrq-avp-duplicate-value-tie-breaker - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-mismatched-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-mismatched-vendor-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-tunnel-recovery - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-tie-breaker - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-no-resources-max-tunnels - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-tunnel-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15

- tunnel-receive-recovery-stopccn-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-unexpected-packet - Terminated-id with default mapping to 15
- tunnel-receive-recovery-unknown-packet-message-type-indecipherable - Terminated-id with default mapping to 15
- tunnel-receive-recovery-unknown-packet-message-type-unrecognized - Terminated-id with default mapping to 15
- tunnel-receive-scccn-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-scccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-scccn-avp-missing-random-vector - Terminated-id with default mapping to 15

- tunnel-receive-scccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-scccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-scccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-scccn-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-sccrp-authenticate-failed-host - Terminated-id with default mapping to 17
- tunnel-receive-sccrp-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-failover-capability - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-challenge-response - Terminated-id with default mapping to 17

- tunnel-receive-sccrp-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-administrative-close - Terminated-id with default mapping to 6
- tunnel-receive-sccrq-authenticate-failed-host - Terminated-id with default mapping to 17
- tunnel-receive-sccrq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-failover-capability - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-protocol-version - Terminated-id with default mapping to 15

- tunnel-receive-sccrq-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-bad-address - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-invalid-ns - Terminated-id with default mapping to 10
- tunnel-receive-sccrq-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-no-resources-max-tunnels - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-session-packet-null-session-id-invalid - Terminated-id with default mapping to 15
- tunnel-receive-session-packet-null-session-id-without-assigned-session-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn - Terminated-id with default mapping to 1
- tunnel-receive-stopccn-avp-bad-hidden - Terminated-id with default mapping to 15

- tunnel-receive-stopccn-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-unexpected-packet - Terminated-id with default mapping to 15
- tunnel-receive-unexpected-packet-for-session - Terminated-id with default mapping to 15
- tunnel-receive-unknown-packet-message-type-indecipherable - Terminated-id with default mapping to 15
- tunnel-receive-unknown-packet-message-type-unrecognized - Terminated-id with default mapping to 15
- tunnel-timeout-connection - Terminated-id with default mapping to 15
- tunnel-timeout-connection-recovery-tunnel - Terminated-id with default mapping to 15
- tunnel-timeout-idle - Terminated-id with default mapping to 1
- tunnel-unknown-cause - Terminated-id with default mapping to 9
- tunnel-warmstart-not-operational - Terminated-id with default mapping to 15
- tunnel-warmstart-recovery-error - Terminated-id with default mapping to 15

<terminate-code>—Specify PPP terminate-code



- admin-logout - Terminated-id with default mapping to 10
- authenticate-authenticator-timeout - Terminated-id with default mapping to 10
- authenticate-challenge-timeout - Terminated-id with default mapping to 17
- authenticate-chap-no-resources - Terminated-id with default mapping to 10
- authenticate-chap-peer-authenticator-timeout - Terminated-id with default mapping to 17
- authenticate-chap-peer-challenge-timeout - Terminated-id with default mapping to 17
- authenticate-deny-by-peer - Terminated-id with default mapping to 4
- authenticate-eap-challenge-larger-than-mtu - Terminated-id with default mapping to 10
- authenticate-eap-peer-authenticator-timeout - Terminated-id with default mapping to 10
- authenticate-eap-request-timeout - Terminated-id with default mapping to 10
- authenticate-inactivity-timeout - Terminated-id with default mapping to 8
- authenticate-max-requests - Terminated-id with default mapping to 10
- authenticate-no-authenticator - Terminated-id with default mapping to 10
- authenticate-no-resources - Terminated-id with default mapping to 10
- authenticate-pap-peer-authenticator-timeout - Terminated-id with default mapping to 10
- authenticate-pap-request-timeout - Terminated-id with default mapping to 5
- authenticate-session-timeout - Terminated-id with default mapping to 10
- authenticate-too-many-requests - Terminated-id with default mapping to 17
- authenticate-tunnel-fail-immediate - Terminated-id with default mapping to 10
- authenticate-tunnel-unsupported-tunnel-type - Terminated-id with default mapping to 10
- bridging-admin-disable - Terminated-id with default mapping to 10
- bridging-failed-to-activate-family-bridging - Terminated-id with default mapping to 10
- bridging-inhibited-by-authentication - Terminated-id with default mapping to 10
- bridging-link-down - Terminated-id with default mapping to 10
- bridging-max-configure-exceeded - Terminated-id with default mapping to 10
- bridging-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- bridging-max-sevice-disable - Terminated-id with default mapping to 10

- bridging-no-local-ieee802-tagged-frame-format - Terminated-id with default mapping to 10
- bridging-no-local-mac-frame-format - Terminated-id with default mapping to 2
- bridging-no-peer-ieee802-tagged-frame-format - Terminated-id with default mapping to 10
- bridging-no-peer-mac-fram-fromat - Terminated-id with default mapping to 8
- bridging-no-service - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- bridging-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- bridging-stale-stacking - Terminated-id with default mapping to 10
- bridging-terminate-code-rej - Terminated-id with default mapping to 10
- bridging-terminate-term-ack - Terminated-id with default mapping to 10
- bridging-terminate-term-req - Terminated-id with default mapping to 10
- bundle-fail-create - Terminated-id with default mapping to 10
- bundle-fail-engine-add - Terminated-id with default mapping to 10
- bundle-fail-fragment-size-mismatch - Terminated-id with default mapping to 10
- bundle-fail-fragmentation-location - Terminated-id with default mapping to 10
- bundle-fail-fragmentation-mismatch - Terminated-id with default mapping to 10
- bundle-fail-hash-link-selection-mismatch - Terminated-id with default mapping to 10
- bundle-fail-join - Terminated-id with default mapping to 10
- bundle-fail-local-mped-not-set-yet - Terminated-id with default mapping to 10
- bundle-fail-local-mrru-mismatch - Terminated-id with default mapping to 10
- bundle-fail-local-mru-mismatch - Terminated-id with default mapping to 10
- bundle-fail-peer-endpoint-discriminator-mismatch - Terminated-id with default mapping to 10
- bundle-fail-peer-mrru-mismatch - Terminated-id with default mapping to 6
- bundle-fail-reassembly-location - Terminated-id with default mapping to 10
- bundle-fail-reassembly-mismatch - Terminated-id with default mapping to 10
- bundle-fail-record-network - Terminated-id with default mapping to 10
- bundle-fail-server-location-mismatch - Terminated-id with default mapping to 10

- bundle-fail-static-link - Terminated-id with default mapping to 10
- dynamic-profile-instantiation-failed - Terminated-id with default mapping to 9
- failover-during-authentication - Terminated-id with default mapping to 17
- interface-admin-disable - Terminated-id with default mapping to 6
- interface-no-hardware - Terminated-id with default mapping to 8
- ip-admin-disable - Terminated-id with default mapping to 10
- ip-failed-to-activate-family-inet - Terminated-id with default mapping to 10
- ip-failed-to-add-access-internal-route - Terminated-id with default mapping to 10
- ip-inhibited-by-authentication - Terminated-id with default mapping to 10
- ip-link-down - Terminated-id with default mapping to 10
- ip-max-configure-exceeded - Terminated-id with default mapping to 10
- ip-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- ip-no-local-ip-address - Terminated-id with default mapping to 10
- ip-no-local-ip-address-mask - Terminated-id with default mapping to 10
- ip-no-local-primary-dns-address - Terminated-id with default mapping to 10
- ip-no-local-primary-nbns-address - Terminated-id with default mapping to 10
- ip-no-local-secondary-dns-address - Terminated-id with default mapping to 10
- ip-no-local-secondary-nbns-address - Terminated-id with default mapping to 10
- ip-no-peer-ip-address - Terminated-id with default mapping to 10
- ip-no-peer-ip-address-mask - Terminated-id with default mapping to 10
- ip-no-peer-primary-dns-address - Terminated-id with default mapping to 10
- ip-no-peer-primary-nbns-address - Terminated-id with default mapping to 10
- ip-no-peer-secondary-dns-address - Terminated-id with default mapping to 10
- ip-no-peer-secondary-nbns-address - Terminated-id with default mapping to 10
- ip-no-service - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- ip-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- ip-peer-terminate-code-rej - Terminated-id with default mapping to 10
- ip-peer-terminate-term-ack - Terminated-id with default mapping to 10
- ip-peer-terminate-term-req - Terminated-id with default mapping to 10
- ip-service-disable - Terminated-id with default mapping to 10

- ip-stale-stacking - Terminated-id with default mapping to 10
- ipv6-admin-disable - Terminated-id with default mapping to 10
- ipv6-failed-to-activate-family-inet6 - Terminated-id with default mapping to 10
- ipv6-inhibited-by-authentication - Terminated-id with default mapping to 10
- ipv6-link-down - Terminated-id with default mapping to 10
- ipv6-local-and-peer-interface-ids-identical - Terminated-id with default mapping to 10
- ipv6-max-configure-exceeded - Terminated-id with default mapping to 10
- ipv6-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- ipv6-no-local-ipv6-interface-id - Terminated-id with default mapping to 10
- ipv6-no-peer-ipv6-interface-id - Terminated-id with default mapping to 10
- ipv6-no-service - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- ipv6-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- ipv6-peer-terminate-code-rej - Terminated-id with default mapping to 10
- ipv6-peer-terminate-term-ack - Terminated-id with default mapping to 10
- ipv6-peer-terminate-term-req - Terminated-id with default mapping to 10
- ipv6-service-disable - Terminated-id with default mapping to 10
- ipv6-stale-stacking - Terminated-id with default mapping to 10
- lcp-authenticate-terminate-hold - Terminated-id with default mapping to 10
- lcp-configured-mrru-too-small - Terminated-id with default mapping to 10
- lcp-configured-mru-invalid - Terminated-id with default mapping to 10
- lcp-configured-mru-too-small - Terminated-id with default mapping to 10
- lcp-dynamic-interface-hold - Terminated-id with default mapping to 10
- lcp-keepalive-failure - Terminated-id with default mapping to 10
- lcp-loopback-rx-conf-req - Terminated-id with default mapping to 10
- lcp-loopback-rx-echo-reply - Terminated-id with default mapping to 10
- lcp-loopback-rx-echo-req - Terminated-id with default mapping to 10
- lcp-max-configure-exceeded - Terminated-id with default mapping to 10
- lcp-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- lcp-mru-changed - Terminated-id with default mapping to 8
- lcp-negotiation-timeout - Terminated-id with default mapping to 10

- lcp-no-local-accm - Terminated-id with default mapping to 10
- lcp-no-local-acfc - Terminated-id with default mapping to 10
- lcp-no-local-authentication - Terminated-id with default mapping to 10
- lcp-no-local-endpoint-discriminator - Terminated-id with default mapping to 10
- lcp-no-local-magic-number - Terminated-id with default mapping to 10
- lcp-no-local-mrru - Terminated-id with default mapping to 10
- lcp-no-local-mru - Terminated-id with default mapping to 10
- lcp-no-local-pfc - Terminated-id with default mapping to 10
- lcp-no-peer-accm - Terminated-id with default mapping to 10
- lcp-no-peer-acfc - Terminated-id with default mapping to 10
- lcp-no-peer-authentication - Terminated-id with default mapping to 10
- lcp-no-peer-endpoint-discriminator - Terminated-id with default mapping to 10
- lcp-no-peer-magic-number - Terminated-id with default mapping to 10
- lcp-no-peer-mrru - Terminated-id with default mapping to 10
- lcp-no-peer-mru - Terminated-id with default mapping to 10
- lcp-no-peer-pfc - Terminated-id with default mapping to 10
- lcp-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 1
- lcp-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 1
- lcp-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 1
- lcp-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 1
- lcp-peer-terminate-code-rej - Terminated-id with default mapping to 1
- lcp-peer-terminate-protocol-reject - Terminated-id with default mapping to 1
- lcp-peer-terminate-term-ack - Terminated-id with default mapping to 1
- lcp-peer-terminate-term-req - Terminated-id with default mapping to 1
- lcp-tunnel-disconnected - Terminated-id with default mapping to 10
- lcp-tunnel-failed - Terminated-id with default mapping to 10
- license-limit-exceeded - Terminated-id with default mapping to 10
- link-interface-no-hardware - Terminated-id with default mapping to 10
- lower-interface-attach-failed - Terminated-id with default mapping to 2
- lower-interface-down - Terminated-id with default mapping to 2
- lower-interface-teardown - Terminated-id with default mapping to 17
- mpls-admin-disable - Terminated-id with default mapping to 10
- mpls-failed-to-activate-family-mpls - Terminated-id with default mapping to 10

- mpls-link-down - Terminated-id with default mapping to 10
- mpls-max-configure-exceeded - Terminated-id with default mapping to 10
- mpls-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- mpls-no-service - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- mpls-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- mpls-peer-terminate-code-rej - Terminated-id with default mapping to 10
- mpls-peer-terminate-term-ack - Terminated-id with default mapping to 10
- mpls-peer-terminate-term-req - Terminated-id with default mapping to 10
- mpls-service-disable - Terminated-id with default mapping to 10
- mpls-stale-stacking - Terminated-id with default mapping to 10
- network-interface-admin-disable - Terminated-id with default mapping to 10
- no-bundle - Terminated-id with default mapping to 8
- no-interface - Terminated-id with default mapping to 10
- no-link-interface - Terminated-id with default mapping to 10
- no-ncps-available - Terminated-id with default mapping to 10
- no-network-interface - Terminated-id with default mapping to 6
- no-upper-interface - Terminated-id with default mapping to 9
- osi-admin-disable - Terminated-id with default mapping to 10
- osi-failed-to-activate-family-osi - Terminated-id with default mapping to 10
- osi-link-down - Terminated-id with default mapping to 10
- osi-max-configure-exceeded - Terminated-id with default mapping to 10
- osi-max-passive-retries-exceeded - Terminated-id with default mapping to 10
- osi-no-local-align-npdu - Terminated-id with default mapping to 10
- osi-no-peer-align-npdu - Terminated-id with default mapping to 10
- osi-no-service - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-ack - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-nak - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-rej - Terminated-id with default mapping to 10
- osi-peer-renegotiate-rx-conf-req - Terminated-id with default mapping to 10
- osi-peer-terminate-code-rej - Terminated-id with default mapping to 10

- `osi-peer-terminate-term-ack` - Terminated-id with default mapping to 10
- `osi-peer-terminate-term-req` - Terminated-id with default mapping to 10
- `osi-service-disable` - Terminated-id with default mapping to 10
- `osi-stale-stacking` - Terminated-id with default mapping to 10
- `recovery-active-state-cleanup` - Terminated-id with default mapping to 9
- `recovery-configured-state-cleanup` - Terminated-id with default mapping to 9
- `recovery-init-state-cleanup` - Terminated-id with default mapping to 9
- `recovery-terminated-state-cleanup` - Terminated-id with default mapping to 9
- `recovery-terminating-state-cleanup` - Terminated-id with default mapping to 9
- `session-init-failed` - Terminated-id with default mapping to 9
- `subscriber-mgr-activation-failed` - Terminated-id with default mapping to 9
- `subscriber-mgr-get-credentials-failed` - Terminated-id with default mapping to 9
- `subscriber-mgr-link-interface-not-found` - Terminated-id with default mapping to 9
- `subscriber-mgr-set-state-active-failed` - Terminated-id with default mapping to 9
- `issu-in-progress` - Terminated-id with default mapping to 9
- `session-access-interface-down` - Terminated-id with default mapping to 8
- `session-administrative-close` - Terminated-id with default mapping to 6
- `session-administrative-drain` - Terminated-id with default mapping to 6
- `session-call-down` - Terminated-id with default mapping to 10
- `session-call-failed` - Terminated-id with default mapping to 15
- `session-create-failed-icrq-to-initiator-tunnel` - Terminated-id with default mapping to 9
- `session-create-failed-invalid-config` - Terminated-id with default mapping to 9
- `session-create-failed-limit-reached` - Terminated-id with default mapping to 9
- `session-create-failed-no-resources` - Terminated-id with default mapping to 9
- `session-create-failed-single-shot-tunnel-already-fired` - Terminated-id with default mapping to 9
- `session-create-failed-too-busy` - Terminated-id with default mapping to 9
- `session-failover-protocol-resync-disconnect` - Terminated-id with default mapping to 6
- `session-hardware-unavailable` - Terminated-id with default mapping to 8
- `session-no-resources-server-port` - Terminated-id with default mapping to 9

- session-not-ready - Terminated-id with default mapping to 9
- session-receive-cdn - Terminated-id with default mapping to 10
- session-receive-cdn-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-cdn-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-cdn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-cdn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-cdn-no-resources - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-proxy-authen-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-unsupported-proxy-authen-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-iccn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-connect-speed - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-challenge - Terminated-id with default mapping to 10



- session-receive-iccn-avp-missing-mandatory-proxy-authen-id - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-name - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-response - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-iccn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-iccn-no-resources - Terminated-id with default mapping to 10
- session-receive-iccn-unexpected - Terminated-id with default mapping to 10
- session-receive-icrp-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-icrp-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrp-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrp-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-icrp-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-icrp-avp-unknown - Terminated-id with default mapping to 10
- session-receive-icrp-no-resources - Terminated-id with default mapping to 10
- session-receive-icrp-unexpected - Terminated-id with default mapping to 10
- session-receive-icrq-administrative-close - Terminated-id with default mapping to 6
- session-receive-icrq-authenticate-failed-host - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10

- session-receive-icrq-avp-bad-value-bearer-type - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-value-cisco-nas-port - Terminated-id with default mapping to 10
- session-receive-icrq-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-icrq-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-mandatory-call-serial-number - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-icrq-avp-unknown - Terminated-id with default mapping to 10
- session-receive-icrq-no-resources - Terminated-id with default mapping to 10
- session-receive-icrq-unexpected - Terminated-id with default mapping to 10
- session-receive-occn-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-occn-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-occn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-occn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-mandatory-connect-speed - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-occn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-occn-no-resources - Terminated-id with default mapping to 10

- session-receive-occn-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-unknown - Terminated-id with default mapping to 10
- session-receive-ocrp-no-resources - Terminated-id with default mapping to 10
- session-receive-ocrp-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrq-administrative-close - Terminated-id with default mapping to 6
- session-receive-ocrq-authenticate-failed-host - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-bearer-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-malformed-truncated - Terminated-id with default mapping to 10

- session-receive-ocrq-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-bearer-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-call-serial-number - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-called-number - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-maximum-bps - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-minimum-bps - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-unknown - Terminated-id with default mapping to 10
- session-receive-ocrq-no-resources - Terminated-id with default mapping to 10
- session-receive-ocrq-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrq-unsupported - Terminated-id with default mapping to 9
- session-receive-sli-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-sli-avp-bad-value-accm - Terminated-id with default mapping to 10
- session-receive-sli-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-sli-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-mandatory-accm - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-sli-avp-unknown - Terminated-id with default mapping to 10
- session-receive-sli-no-resources - Terminated-id with default mapping to 10

- session-receive-unexpected-packet-lac-incoming - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lac-outgoing - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lns-incoming - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lns-outgoing - Terminated-id with default mapping to 10
- session-receive-unknown-session-id - Terminated-id with default mapping to 10
- session-receive-wen-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-wen-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-wen-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-wen-avp-missing-mandatory-call-errors - Terminated-id with default mapping to 10
- session-receive-wen-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-wen-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-wen-avp-unknown - Terminated-id with default mapping to 10
- session-receive-wen-no-resources - Terminated-id with default mapping to 10
- session-timeout-connection - Terminated-id with default mapping to 10
- session-timeout-inactivity - Terminated-id with default mapping to 4
- session-timeout-session - Terminated-id with default mapping to 5
- session-timeout-upper-create - Terminated-id with default mapping to 9
- session-transmit-speed-unavailable - Terminated-id with default mapping to 9
- session-tunnel-down - Terminated-id with default mapping to 15
- session-tunnel-failed - Terminated-id with default mapping to 15
- session-tunnel-switch-profile-deleted - Terminated-id with default mapping to 6
- session-tunneled-interface-down - Terminated-id with default mapping to 8
- session-unknown-cause - Terminated-id with default mapping to 9
- session-upper-create-failed - Terminated-id with default mapping to 9
- session-upper-removed - Terminated-id with default mapping to 15
- session-warmstart-not-operational - Terminated-id with default mapping to 15

- session-warmstart-recovery-error - Terminated-id with default mapping to 15
- session-warmstart-uppper-not-restacked - Terminated-id with default mapping to 10
- tunnel-administrative-close - Terminated-id with default mapping to 6
- tunnel-administrative-drain - Terminated-id with default mapping to 6
- tunnel-control-channel-failed - Terminated-id with default mapping to 15
- tunnel-created-no-sessions - Terminated-id with default mapping to 1
- tunnel-destination-address-changed - Terminated-id with default mapping to 6
- tunnel-destination-down - Terminated-id with default mapping to 10
- tunnel-failover-protocol-no-resources-for-recovery-tunnel - Terminated-id with default mapping to 15
- tunnel-failover-protocol-no-resources-for-session-resync - Terminated-id with default mapping to 15
- tunnel-failover-protocol-not-supported - Terminated-id with default mapping to 15
- tunnel-failover-protocol-not-supported-by-peer - Terminated-id with default mapping to 15
- tunnel-failover-protocol-recovery-control-channel-failed - Terminated-id with default mapping to 15
- tunnel-failover-protocol-recovery-tunnel-failed - Terminated-id with default mapping to 15
- tunnel-failover-protocol-recovery-tunnel-finished - Terminated-id with default mapping to 1
- tunnel-failover-protocol-recovery-tunnel-primary-down - Terminated-id with default mapping to 1
- tunnel-failover-protocol-session-resync-failed - Terminated-id with default mapping to 15
- tunnel-host-profile-changed - Terminated-id with default mapping to 6
- tunnel-host-profile-deleted - Terminated-id with default mapping to 6
- tunnel-receive-fsq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-missing-mandatory-failover-session-state - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-missing-random-vector - Terminated-id with default mapping to 15

- tunnel-receive-fsq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-fsq-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-fsq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-mandatory-failover-session-state - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-fsr-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-fsr-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-recovery-scccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-recovery-scccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-unexpected-challenge-response - Terminated-id with default mapping to 15

- tunnel-receive-recovery-scccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccp-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccp-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccp-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-recovery-sccrp-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-recovery-sccrp-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-suggested-control-sequence - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-mismatched-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-mismatched-vendor-name - Terminated-id with default mapping to 15



- tunnel-receive-recovery-sccrp-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-administrative-close - Terminated-id with default mapping to 6
- tunnel-receive-recovery-sccrq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-tunnel-recovery - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15

- tunnel-receive-recovery-sccrq-avp-duplicate-value-tie-breaker - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-mismatched-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-mismatched-vendor-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-tunnel-recovery - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-tie-breaker - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-no-resources-max-tunnels - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-tunnel-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15

- tunnel-receive-recovery-stopccn-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-unexpected-packet - Terminated-id with default mapping to 15
- tunnel-receive-recovery-unknown-packet-message-type-indecipherable - Terminated-id with default mapping to 15
- tunnel-receive-recovery-unknown-packet-message-type-unrecognized - Terminated-id with default mapping to 15
- tunnel-receive-scccn-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-scccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-scccn-avp-missing-random-vector - Terminated-id with default mapping to 15

- tunnel-receive-scccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-scccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-scccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-scccn-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-sccrp-authenticate-failed-host - Terminated-id with default mapping to 17
- tunnel-receive-sccrp-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-failover-capability - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-challenge-response - Terminated-id with default mapping to 17

- tunnel-receive-sccrp-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-administrative-close - Terminated-id with default mapping to 6
- tunnel-receive-sccrq-authenticate-failed-host - Terminated-id with default mapping to 17
- tunnel-receive-sccrq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-failover-capability - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-protocol-version - Terminated-id with default mapping to 15

- tunnel-receive-sccrq-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-bad-address - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-invalid-ns - Terminated-id with default mapping to 10
- tunnel-receive-sccrq-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-no-resources-max-tunnels - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-session-packet-null-session-id-invalid - Terminated-id with default mapping to 15
- tunnel-receive-session-packet-null-session-id-without-assigned-session-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn - Terminated-id with default mapping to 1
- tunnel-receive-stopccn-avp-bad-hidden - Terminated-id with default mapping to 15

- tunnel-receive-stopccn-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-unexpected-packet - Terminated-id with default mapping to 15
- tunnel-receive-unexpected-packet-for-session - Terminated-id with default mapping to 15
- tunnel-receive-unknown-packet-message-type-indecipherable - Terminated-id with default mapping to 15
- tunnel-receive-unknown-packet-message-type-unrecognized - Terminated-id with default mapping to 15
- tunnel-timeout-connection - Terminated-id with default mapping to 15
- tunnel-timeout-connection-recovery-tunnel - Terminated-id with default mapping to 15
- tunnel-timeout-idle - Terminated-id with default mapping to 1
- tunnel-unknown-cause - Terminated-id with default mapping to 9
- tunnel-warmstart-not-operational - Terminated-id with default mapping to 15
- tunnel-warmstart-recovery-error - Terminated-id with default mapping to 15

<l2tp-terminate-code>—Specify L2TP terminate-code

- issu-in-progress - Terminated-id with default mapping to 9
- session-access-interface-down - Terminated-id with default mapping to 8
- session-administrative-close - Terminated-id with default mapping to 6
- session-administrative-drain - Terminated-id with default mapping to 6
- session-call-down - Terminated-id with default mapping to 10
- session-call-failed - Terminated-id with default mapping to 15
- session-create-failed-icrq-to-initiator-tunnel - Terminated-id with default mapping to 9
- session-create-failed-invalid-config - Terminated-id with default mapping to 9
- session-create-failed-limit-reached - Terminated-id with default mapping to 9
- session-create-failed-no-resources - Terminated-id with default mapping to 9
- session-create-failed-single-shot-tunnel-already-fired - Terminated-id with default mapping to 9
- session-create-failed-too-busy - Terminated-id with default mapping to 9
- session-failover-protocol-resync-disconnect - Terminated-id with default mapping to 6
- session-hardware-unavailable - Terminated-id with default mapping to 8
- session-no-resources-server-port - Terminated-id with default mapping to 9
- session-not-ready - Terminated-id with default mapping to 9
- session-receive-cdn - Terminated-id with default mapping to 10
- session-receive-cdn-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-cdn-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-cdn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-cdn-avp-missing-secret - Terminated-id with default mapping to 10



- session-receive-cdn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-cdn-no-resources - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-proxy-authen-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-bad-value-unsupported-proxy-authen-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-iccn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-connect-speed - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-challenge - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-id - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-name - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-mandatory-proxy-authen-response - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-iccn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-iccn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-iccn-no-resources - Terminated-id with default mapping to 10
- session-receive-iccn-unexpected - Terminated-id with default mapping to 10
- session-receive-icrp-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-icrp-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrp-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10

- session-receive-icrp-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-icrp-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-icrp-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-icrp-avp-unknown - Terminated-id with default mapping to 10
- session-receive-icrp-no-resources - Terminated-id with default mapping to 10
- session-receive-icrp-unexpected - Terminated-id with default mapping to 10
- session-receive-icrq-administrative-close - Terminated-id with default mapping to 6
- session-receive-icrq-authenticate-failed-host - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-value-bearer-type - Terminated-id with default mapping to 10
- session-receive-icrq-avp-bad-value-cisco-nas-port - Terminated-id with default mapping to 10
- session-receive-icrq-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-icrq-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-mandatory-call-serial-number - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-icrq-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-icrq-avp-unknown - Terminated-id with default mapping to 10

- session-receive-icrq-no-resources - Terminated-id with default mapping to 10
- session-receive-icrq-unexpected - Terminated-id with default mapping to 10
- session-receive-occn-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-occn-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-occn-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-occn-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-mandatory-connect-speed - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-occn-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-occn-avp-unknown - Terminated-id with default mapping to 10
- session-receive-occn-no-resources - Terminated-id with default mapping to 10
- session-receive-occn-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-ocrp-avp-unknown - Terminated-id with default mapping to 10

- session-receive-ocrp-no-resources - Terminated-id with default mapping to 10
- session-receive-ocrp-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrq-administrative-close - Terminated-id with default mapping to 6
- session-receive-ocrq-authenticate-failed-host - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-bearer-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-bad-value-framing-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-duplicate-value-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-assigned-session-id - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-bearer-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-call-serial-number - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-called-number - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-framing-type - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-maximum-bps - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-mandatory-minimum-bps - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-ocrq-avp-unknown - Terminated-id with default mapping to 10

- session-receive-ocrq-no-resources - Terminated-id with default mapping to 10
- session-receive-ocrq-unexpected - Terminated-id with default mapping to 10
- session-receive-ocrq-unsupported - Terminated-id with default mapping to 9
- session-receive-sli-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-sli-avp-bad-value-accm - Terminated-id with default mapping to 10
- session-receive-sli-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-sli-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-mandatory-accm - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-random-vector - Terminated-id with default mapping to 10
- session-receive-sli-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-sli-avp-unknown - Terminated-id with default mapping to 10
- session-receive-sli-no-resources - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lac-incoming - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lac-outgoing - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lns-incoming - Terminated-id with default mapping to 10
- session-receive-unexpected-packet-lns-outgoing - Terminated-id with default mapping to 10
- session-receive-unknown-session-id - Terminated-id with default mapping to 10
- session-receive-wen-avp-bad-hidden - Terminated-id with default mapping to 10
- session-receive-wen-avp-malformed-bad-length - Terminated-id with default mapping to 10
- session-receive-wen-avp-malformed-truncated - Terminated-id with default mapping to 10
- session-receive-wen-avp-missing-mandatory-call-errors - Terminated-id with default mapping to 10
- session-receive-wen-avp-missing-random-vector - Terminated-id with default mapping to 10

- session-receive-wen-avp-missing-secret - Terminated-id with default mapping to 10
- session-receive-wen-avp-unknown - Terminated-id with default mapping to 10
- session-receive-wen-no-resources - Terminated-id with default mapping to 10
- session-timeout-connection - Terminated-id with default mapping to 10
- session-timeout-inactivity - Terminated-id with default mapping to 4
- session-timeout-session - Terminated-id with default mapping to 5
- session-timeout-upper-create - Terminated-id with default mapping to 9
- session-transmit-speed-unavailable - Terminated-id with default mapping to 9
- session-tunnel-down - Terminated-id with default mapping to 15
- session-tunnel-failed - Terminated-id with default mapping to 15
- session-tunnel-switch-profile-deleted - Terminated-id with default mapping to 6
- session-tunneled-interface-down - Terminated-id with default mapping to 8
- session-unknown-cause - Terminated-id with default mapping to 9
- session-upper-create-failed - Terminated-id with default mapping to 9
- session-upper-removed - Terminated-id with default mapping to 15
- session-warmstart-not-operational - Terminated-id with default mapping to 15
- session-warmstart-recovery-error - Terminated-id with default mapping to 15
- session-warmstart-uppper-not-restacked - Terminated-id with default mapping to 10
- tunnel-administrative-close - Terminated-id with default mapping to 6
- tunnel-administrative-drain - Terminated-id with default mapping to 6
- tunnel-control-channel-failed - Terminated-id with default mapping to 15
- tunnel-created-no-sessions - Terminated-id with default mapping to 1
- tunnel-destination-address-changed - Terminated-id with default mapping to 6
- tunnel-destination-down - Terminated-id with default mapping to 10
- tunnel-failover-protocol-no-resources-for-recovery-tunnel - Terminated-id with default mapping to 15
- tunnel-failover-protocol-no-resources-for-session-resync - Terminated-id with default mapping to 15
- tunnel-failover-protocol-not-supported - Terminated-id with default mapping to 15
- tunnel-failover-protocol-not-supported-by-peer - Terminated-id with default mapping to 15

- tunnel-failover-protocol-recovery-control-channel-failed - Terminated-id with default mapping to 15
- tunnel-failover-protocol-recovery-tunnel-failed - Terminated-id with default mapping to 15
- tunnel-failover-protocol-recovery-tunnel-finished - Terminated-id with default mapping to 1
- tunnel-failover-protocol-recovery-tunnel-primary-down - Terminated-id with default mapping to 1
- tunnel-failover-protocol-session-resync-failed - Terminated-id with default mapping to 15
- tunnel-host-profile-changed - Terminated-id with default mapping to 6
- tunnel-host-profile-deleted - Terminated-id with default mapping to 6
- tunnel-receive-fsq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-missing-mandatory-failover-session-state - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-fsq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-fsq-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-fsq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-mandatory-failover-session-state - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-fsr-avp-missing-secret - Terminated-id with default mapping to 15

- tunnel-receive-fsr-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-fsr-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-fsr-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-recovery-scccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
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- tunnel-receive-recovery-scccn-avp-unknown - Terminated-id with default mapping to 15
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- tunnel-receive-recovery-scccp-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccp-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-recovery-scccp-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-recovery-sccrp-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-recovery-sccrp-avp-bad-hidden - Terminated-id with default mapping to 15



- tunnel-receive-recovery-sccrp-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-bad-value-suggested-control-sequence - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-mismatched-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-mismatched-vendor-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-avp-unknown - Terminated-id with default mapping to 15

- tunnel-receive-recovery-sccrp-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrp-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-administrative-close - Terminated-id with default mapping to 6
- tunnel-receive-recovery-sccrq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
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- tunnel-receive-recovery-sccrq-avp-bad-value-tunnel-recovery - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-duplicate-value-tie-breaker - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-mismatched-host-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-mismatched-vendor-name - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15

- tunnel-receive-recovery-sccrq-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-mandatory-tunnel-recovery - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-missing-tie-breaker - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-no-resources-max-tunnels - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-sccrq-tunnel-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-mandatory-result-code - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-avp-unknown - Terminated-id with default mapping to 15

- tunnel-receive-recovery-stopccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-recovery-stopccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-recovery-unexpected-packet - Terminated-id with default mapping to 15
- tunnel-receive-recovery-unknown-packet-message-type-indecipherable - Terminated-id with default mapping to 15
- tunnel-receive-recovery-unknown-packet-message-type-unrecognized - Terminated-id with default mapping to 15
- tunnel-receive-scccn-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-scccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-scccn-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-scccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-scccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-scccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-scccn-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-authenticate-failed-challenge - Terminated-id with default mapping to 17
- tunnel-receive-sccrp-authenticate-failed-host - Terminated-id with default mapping to 17
- tunnel-receive-sccrp-avp-bad-hidden - Terminated-id with default mapping to 15

- tunnel-receive-sccrp-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-failover-capability - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-challenge-response - Terminated-id with default mapping to 17
- tunnel-receive-sccrp-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-unexpected-challenge-response - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15

- tunnel-receive-sccrp-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-sccrp-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-administrative-close - Terminated-id with default mapping to 6
- tunnel-receive-sccrq-authenticate-failed-host - Terminated-id with default mapping to 17
- tunnel-receive-sccrq-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-bearer-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-challenge - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-failover-capability - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-bad-value-framing-capabilities - Terminated-id with default mapping to 15
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- tunnel-receive-sccrq-avp-bad-value-receive-window-size - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-malformed-bad-length - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-malformed-truncated - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-framing-capabilities - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-host-name - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-mandatory-protocol-version - Terminated-id with default mapping to 15

- tunnel-receive-sccrq-avp-missing-random-vector - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-missing-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-unexpected-challenge-without-secret - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-bad-address - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-invalid-ns - Terminated-id with default mapping to 10
- tunnel-receive-sccrq-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-no-resources-max-tunnels - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-sccrq-unexpected - Terminated-id with default mapping to 15
- tunnel-receive-session-packet-null-session-id-invalid - Terminated-id with default mapping to 15
- tunnel-receive-session-packet-null-session-id-without-assigned-session-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn - Terminated-id with default mapping to 1
- tunnel-receive-stopccn-avp-bad-hidden - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-bad-value-assigned-tunnel-id - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-avp-duplicate-value-assigned-tunnel-id - Terminated-id with default mapping to 15
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- tunnel-receive-stopccn-avp-missing-secret - Terminated-id with default mapping to 15

- tunnel-receive-stopccn-avp-unknown - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-no-resources - Terminated-id with default mapping to 15
- tunnel-receive-stopccn-session-id-not-null - Terminated-id with default mapping to 15
- tunnel-receive-unexpected-packet - Terminated-id with default mapping to 15
- tunnel-receive-unexpected-packet-for-session - Terminated-id with default mapping to 15
- tunnel-receive-unknown-packet-message-type-indecipherable - Terminated-id with default mapping to 15
- tunnel-receive-unknown-packet-message-type-unrecognized - Terminated-id with default mapping to 15
- tunnel-timeout-connection - Terminated-id with default mapping to 15
- tunnel-timeout-connection-recovery-tunnel - Terminated-id with default mapping to 15
- tunnel-timeout-idle - Terminated-id with default mapping to 1
- tunnel-unknown-cause - Terminated-id with default mapping to 9
- tunnel-warmstart-not-operational - Terminated-id with default mapping to 15
- tunnel-warmstart-recovery-error - Terminated-id with default mapping to 15

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## <get-pppoe-interface-information>

---

### Usage

```
<rpc>
  <get-pppoe-interface-information>
    <brief/>
    <detail/>
    <extensive/>
    <interface-name>interface-name</interface-name>
  </get-pppoe-interface-information>
</rpc>
```

**Description** Show interface information

**Contents**

- <brief>—Show brief output
- <detail>—Show detailed output
- <extensive>—Show extensive output
- <interface-name>—Name of PPPoE logical interface



## <get-pppoe-service-name-table-information>

### Usage

```
<rpc>
  <get-pppoe-service-name-table-information>
    <table-name>table-name</table-name>
  </get-pppoe-service-name-table-information>
</rpc>
```

**Description** Show service name table information

**Contents** <table-name>—Name of PPPoE service name table

## <get-pppoe-session-information>

### Usage

```
<rpc>
  <get-pppoe-session-information>
    <service>service</service>
    <aci>aci</aci>
    <ari>ari</ari>
  </get-pppoe-session-information>
</rpc>
```

**Description** Show active PPPoE session information

**Contents** <service>—Name of PPPoE service

<aci>—Agent Circuit ID

<ari>—Agent Remote ID

## <get-pppoe-statistics-information>

### Usage

```
<rpc>
  <get-pppoe-statistics-information>

  <underlying-interface-name>underlying-interface-name</underlying-interface-name>

  </get-pppoe-statistics-information>
</rpc>
```

**Description** Show PPPoE-related interface statistics

**Contents** <underlying-interface-name>—Name of PPPoE underlying logical interface

## <get-pppoe-underlying-interface-information>

---

**Usage**

```
<rpc>
  <get-pppoe-underlying-interface-information>
    <brief/>
    <detail/>
    <extensive/>

  <underlying-interface-name>underlying-interface-name</underlying-interface-name>

  </get-pppoe-underlying-interface-information>
</rpc>
```

**Description** Show underlying interface information

**Contents** <brief>—Show brief output

<detail>—Show detailed output

<extensive>—Show extensive output

<underlying-interface-name>—Name of PPPoE underlying logical interface

## <get-pppoe-version>

---

**Usage**

```
<rpc>
  <get-pppoe-version/>
</rpc>
```

**Description** Show version

## <get-probe-results>

---

**Usage**

```
<rpc>
  <get-probe-results>
    <owner>owner</owner>
    <test>test</test>
  </get-probe-results>
</rpc>
```

**Description** Show probe results

**Contents** <owner>—Name of owner

<test>—Name of test

## <get-process-health-information>

---

### Usage

```
<rpc>
  <get-process-health-information>
    <name_pid_choice>name_pid_choice</name_pid_choice>
    <process-name>process-name</process-name>
    <pid>pid</pid>
  </get-process-health-information>
</rpc>
```

**Description** Show process health information

**Contents** <process-name>—Process name  
  
<pid>—Process identifier

## <get-psd-information>

---

### Usage

```
<rpc>
  <get-psd-information/>
</rpc>
```

**Description** Show Protected System Domain (PSD) status

## <get-ntp-clock>

---

### Usage

```
<rpc>
  <get-ntp-clock>
    <brief/>
    <detail/>
  </get-ntp-clock>
</rpc>
```

**Description** Show clock details

**Contents** <brief>—Display brief output  
  
<detail>—Display detail output

## <get-ntp-global-information>

---

**Usage**

```
<rpc>
  <get-ntp-global-information/>
</rpc>
```

**Description** Show NTP related global information

## <get-ntp-lock-status>

---

**Usage**

```
<rpc>
  <get-ntp-lock-status>
    <brief/>
    <detail/>
  </get-ntp-lock-status>
</rpc>
```

**Description** Show NTP slave clock locking status

**Contents** <brief>—Display brief output  
<detail>—Display detail output

## <get-ntp-master>

---

**Usage**

```
<rpc>
  <get-ntp-master>
    <interface>interface</interface>
    <brief/>
    <detail/>
  </get-ntp-master>
</rpc>
```

**Description** Show interfaces that drive clock to downstream slaves

**Contents** <interface>—Name of physical interface  
<brief>—Display brief output  
<detail>—Display detail output

## <get-ptp-port>

---

**Usage**

```

<rpc>
  <get-ptp-port>
    <remote-ip>remote-ip</remote-ip>
    <brief/>
    <detail/>
  </get-ptp-port>
</rpc>

```

**Description** Show port stream details

**Contents** <remote-ip>—IP address of remote peer

<brief>—Display brief output

<detail>—Display detail output

## <get-ptp-slave>

---

**Usage**

```

<rpc>
  <get-ptp-slave>
    <interface>interface</interface>
    <brief/>
    <detail/>
  </get-ptp-slave>
</rpc>

```

**Description** Show interfaces that receive clock from upstream

**Contents** <interface>—Name of physical interface

<brief>—Display brief output

<detail>—Display detail output

## <get-ptp-statistics>

---

**Usage**

```

<rpc>
  <get-ptp-statistics>
    <brief/>
    <detail/>
  </get-ptp-statistics>
</rpc>

```

<b>Description</b>	Show PTP statistics
<b>Contents</b>	<brief>—Display brief output  <detail>—Display detail output

---

### <get-r2cp-interface-information>

---

#### Usage

```
<rpc>  
  <get-r2cp-interface-information>  
    <brief/>  
    <detail/>  
    <extensive/>  
    <interface-name>interface-name</interface-name>  
  </get-r2cp-interface-information>  
</rpc>
```

<b>Description</b>	Show interface information
<b>Contents</b>	<brief>—Show brief output  <detail>—Show detailed output  <extensive>—Show extensive output  <interface-name>—Name of R2CP interface

---

### <get-r2cp-radio-information>

---

#### Usage

```
<rpc>  
  <get-r2cp-radio-information>  
    <brief/>  
    <detail/>  
    <extensive/>  
    <radio-name>radio-name</radio-name>  
  </get-r2cp-radio-information>  
</rpc>
```

<b>Description</b>	Show radio
<b>Contents</b>	<brief>—Show brief output  <detail>—Show detailed output  <extensive>—Show extensive output  <radio-name>—Name of R2CP radio

## <get-r2cp-session-information>

### Usage

```

<rpc>
  <get-r2cp-session-information>
    <brief/>
    <detail/>
    <extensive/>
    <session-id>session-id</session-id>
    <session-id>session-id</session-id>
    <vlan>vlan</vlan>
  </get-r2cp-session-information>
</rpc>

```

**Description** Show sessions

**Contents**

- <brief>—Show brief output
- <detail>—Show detailed output
- <extensive>—Show extensive output
- <session-id>—Session ID
- <vlan>—Vlan identifier

## <get-r2cp-statistics>

### Usage

```

<rpc>
  <get-r2cp-statistics/>
</rpc>

```

**Description** Show statistics

## <get-radius-profile-access-test-result>

### Usage

```

<rpc>
  <get-radius-profile-access-test-result>
    <profile-name>profile-name</profile-name> <!-- mandatory -->
    <user>user</user> <!-- mandatory -->
    <password>password</password> <!-- mandatory -->
    <get-radius-profile-access-test-detail-result/>
  </get-radius-profile-access-test-result>
</rpc>

```

**Description** Test user access to an access profile

<b>Contents</b>	<code>&lt;profile-name&gt;</code> —Access profile name
	<code>&lt;user&gt;</code> —User name to be authenticated to the RADIUS server
	<code>&lt;password&gt;</code> —Password for the user
	<code>&lt;get-radius-profile-access-test-detail-result&gt;</code> —Show radius attributes returned by the server

---

## `<get-radius-server-access-test-result>`

### Usage

```
<rpc>
  <get-radius-server-access-test-result>
    <address>address</address> <!-- mandatory -->
    <authentication-port>authentication-port</authentication-port>
    <secret>secret</secret> <!-- mandatory -->
    <user>user</user> <!-- mandatory -->
    <password>password</password> <!-- mandatory -->
    <timeout>timeout</timeout>
    <retry>retry</retry>
    <source-address>source-address</source-address>
  </get-radius-server-access-test-result>
</rpc>
```

**Description** Test user access to a radius server

<b>Contents</b>	<code>&lt;address&gt;</code> —RADIUS server address
	<code>&lt;authentication-port&gt;</code> —RADIUS server authentication port number
	<code>&lt;secret&gt;</code> —Shared secret with the RADIUS server
	<code>&lt;user&gt;</code> —User name to be authenticated to the RADIUS server
	<code>&lt;password&gt;</code> —Password for the user
	<code>&lt;timeout&gt;</code> —Request timeout period
	<code>&lt;retry&gt;</code> —Retry attempts
	<code>&lt;source-address&gt;</code> —Use specified address as source address

---

## `<get-raps-pdu-information>`

### Usage

```
<rpc>
  <get-raps-pdu-information>
    <brief/>
    <detail/>
    <group-name>group-name</group-name>
  </get-raps-pdu-information>
```



</rpc>

**Description** Show RAPS PDU information for ethernet ring

**Contents** <brief>—Display brief output (default)  
 <detail>—Display detailed output  
 <group-name>—Name of protection group

## <get-raps-state-machine-information>

---

### Usage

```
<rpc>
  <get-raps-state-machine-information>
    <brief/>
    <detail/>
    <group-name>group-name</group-name>
  </get-raps-state-machine-information>
</rpc>
```

**Description** Show RAPS state machine information for ethernet ring

**Contents** <brief>—Display brief output (default)  
 <detail>—Display detailed output  
 <group-name>—Name of protection group

## <get-real-server-group-information>

---

### Usage

```
<rpc>
  <get-real-server-group-information>

  <real-server-group-name-information>real-server-group-name-information</real-server-group-name-information>

  <terse/>
  <detail/>
  </get-real-server-group-information>
</rpc>
```

**Description** Show real server group configuration information

**Contents** <real-server-group-name-information>—Show information for a specific real server group  
 <terse>—Display terse output

<detail>—Display detailed output

---

## <get-real-server-group-statistics-information>

---

### Usage

```
<rpc>
  <get-real-server-group-statistics-information>

  <real-server-name-statistics>real-server-name-statistics</real-server-name-statistics>

  <terse/>
  <detail/>
  <extensive/>
</get-real-server-group-statistics-information>
</rpc>
```

**Description** Show real server group statistics

**Contents** <real-server-name-statistics>—Show statistics for a specific real server group

<terse>—Display terse output

<detail>—Display detailed output

<extensive>—Display extensive output

---

## <get-real-server-health-monitor-information>

---

### Usage

```
<rpc>
  <get-real-server-health-monitor-information>

  <real-server-name-health-monitor>real-server-name-health-monitor</real-server-name-health-monitor>

  <terse/>
  <detail/>
  </get-real-server-health-monitor-information>
</rpc>
```

**Description** Show real server health monitor configuration information

**Contents** <real-server-name-health-monitor>—Show information for a specific health monitor

<terse>—Display terse output

<detail>—Display detailed output

## <get-real-server-health-monitor-statistics-information>

### Usage

```

<rpc>
  <get-real-server-health-monitor-statistics-information>

  <real-server-health-monitor-name-statistics>real-server-health-monitor-name-statistics</real-server-health-monitor-name-statistics>

  <terse/>
  <detail/>
  </get-real-server-health-monitor-statistics-information>
</rpc>

```

**Description** Show real server health monitor statistics

**Contents** <real-server-health-monitor-name-statistics>—Show statistics for a specific health monitor

<terse>—Display terse output

<detail>—Display detailed output

## <get-real-server-information>

### Usage

```

<rpc>
  <get-real-server-information>

  <real-server-name-information>real-server-name-information</real-server-name-information>

  <terse/>
  <detail/>
  </get-real-server-information>
</rpc>

```

**Description** Show real server configuration information

**Contents** <real-server-name-information>—Show information for a specific server

<terse>—Display terse output

<detail>—Display detailed output

## <get-real-server-statistics-information>

### Usage

```

<rpc>
  <get-real-server-statistics-information>

  <real-server-name-statistics>real-server-name-statistics</real-server-name-statistics>

```

```
<terse/>
<detail/>
<extensive/>
</get-real-server-statistics-information>
</rpc>
```

**Description** Show real server statistics

**Contents** <real-server-name-statistics>—Show statistics for a specific server

<terse>—Display terse output

<detail>—Display detailed output

<extensive>—Display extensive output

---

## <get-redundancy-status>

### Usage

```
<rpc>
<get-redundancy-status>
  <interface-name>interface-name</interface-name>
</get-redundancy-status>
</rpc>
```

**Description** Show redundancy status

**Contents** <interface-name>—Name of interface

<get-redundancy-status-details>—Show redundancy status details

---

## <get-redundancy-status-details>

### Usage

```
<rpc>
<get-redundancy-status-details>
  <interface-name>interface-name</interface-name>
</get-redundancy-status-details>
</rpc>
```

**Description** Show redundancy status details

**Contents** <interface-name>—Name of interface

## <get-rescue-information>

---

**Usage**

```
<rpc>
  <get-rescue-information>
    <format>format</format>
  </get-rescue-information>
</rpc>
```

**Description** Show rescue configuration

**Contents** <format>—Output format of configuration (XML or text)

- text - Output text configuration
- xml - Output XML configuration

## <get-ring-data-channel-information>

---

**Usage**

```
<rpc>
  <get-ring-data-channel-information>
    <brief/>
    <detail/>
    <group-name>group-name</group-name>
  </get-ring-data-channel-information>
</rpc>
```

**Description** Show data channel for ethernet ring

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<group-name>—Name of protection group

## <get-ring-interface-information>

---

**Usage**

```
<rpc>
  <get-ring-interface-information>
    <brief/>
    <detail/>
    <group-name>group-name</group-name>
  </get-ring-interface-information>
</rpc>
```

**Description** Show interface information for ethernet ring

**Contents**    <brief>—Display brief output (default)  
                 <detail>—Display detailed output  
                 <group-name>—Name of protection group

## <get-ring-tatistics>

---

### Usage

```
<rpc>
  <get-ring-tatistics>
    <brief/>
    <detail/>
    <group-name>group-name</group-name>
  </get-ring-tatistics>
</rpc>
```

**Description**    Show statistics for ethernet ring

**Contents**    <brief>—Display brief output (default)  
                 <detail>—Display detailed output  
                 <group-name>—Name of protection group

## <get-ring-vlan-information>

---

### Usage

```
<rpc>
  <get-ring-vlan-information>
    <brief/>
    <detail/>
    <group-name>group-name</group-name>
  </get-ring-vlan-information>
</rpc>
```

**Description**    Show VLAN information for ethernet ring data channel

**Contents**    <brief>—Display brief output (default)  
                 <detail>—Display detailed output  
                 <group-name>—Name of protection group

## <get-rip-general-statistics-information>

---

### Usage

```
<rpc>
  <get-rip-general-statistics-information>
```

```
<logical-system>logical-system</logical-system>
</get-rip-general-statistics-information>
</rpc>
```

**Description** Show RIP general statistics

**Contents** <logical-system>—Name of logical system, or 'all'

---

## <get-rip-neighbor-information>

---

### Usage

```
<rpc>
<get-rip-neighbor-information>
  <logical-system>logical-system</logical-system>
  <neighbor-name>neighbor-name</neighbor-name>
  <instance>instance</instance>
</get-rip-neighbor-information>
</rpc>
```

**Description** Show RIP interfaces

**Contents** <logical-system>—Name of logical system, or 'all'

- all - Show all instances
- instance-name - Name of RIP instance

<neighbor-name>—Name of RIP neighbor

- all - Show all instances
- instance-name - Name of RIP instance

<instance>—Name of RIP instance

- all - Show all instances
- instance-name - Name of RIP instance

---

## <get-rip-statistics-information>

---

### Usage

```
<rpc>
<get-rip-statistics-information>
  <logical-system>logical-system</logical-system>
  <neighbor-name>neighbor-name</neighbor-name>
  <instance>instance</instance>
</get-rip-statistics-information>
</rpc>
```

<b>Description</b>	Show RIP statistics
<b>Contents</b>	<p>&lt;logical-system&gt;—Name of logical system, or 'all'</p> <ul style="list-style-type: none"><li>• all - Show all instances</li><li>• instance-name - Name of RIP instance</li></ul> <p>&lt;neighbor-name&gt;—Name of RIP neighbor</p> <ul style="list-style-type: none"><li>• all - Show all instances</li><li>• instance-name - Name of RIP instance</li></ul> <p>&lt;instance&gt;—Name of RIP instance</p> <ul style="list-style-type: none"><li>• all - Show all instances</li><li>• instance-name - Name of RIP instance</li></ul>

---

## <get-rmon-alarm-information>

---

<b>Usage</b>	<pre>&lt;rpc&gt;   &lt;get-rmon-alarm-information&gt;   &lt;brief/&gt;   &lt;detail/&gt; &lt;/get-rmon-alarm-information&gt; &lt;/rpc&gt;</pre>
<b>Description</b>	Show RMON alarms
<b>Contents</b>	<p>&lt;brief&gt;—Display brief output (default)</p> <p>&lt;detail&gt;—Display detailed output</p>

---

## <get-rmon-event-information>

---

<b>Usage</b>	<pre>&lt;rpc&gt;   &lt;get-rmon-event-information&gt;   &lt;brief/&gt;   &lt;detail/&gt; &lt;/get-rmon-event-information&gt; &lt;/rpc&gt;</pre>
<b>Description</b>	Show RMON events
<b>Contents</b>	<p>&lt;brief&gt;—Display brief output (default)</p>



<detail>—Display detailed output

### <get-rmon-history-information>

---

**Usage**

```
<rpc>
  <get-rmon-history-information>
    <index>index</index>
    <sample-index>sample-index</sample-index>
  </get-rmon-history-information>
</rpc>
```

**Description** Show RMON history

**Contents** <index>—  
  
<sample-index>—

### <get-rmon-information>

---

**Usage**

```
<rpc>
  <get-rmon-information>
</get-rmon-information>
</rpc>
```

**Description** Show remote monitoring information

**Contents** <get-rmon-history-information>—Show RMON history  
  
<get-rmon-alarm-information>—Show RMON alarms  
  
<get-rmon-event-information>—Show RMON events  
  
<get-rmon-log-information>—Show rmon monitoring logs

### <get-rmon-log-information>

---

**Usage**

```
<rpc>
  <get-rmon-log-information/>
</rpc>
```

**Description** Show rmon monitoring logs

## <get-rollback-information>

---

**Usage**

```
<rpc>
  <get-rollback-information>
    <rollback>rollback</rollback> <!-- mandatory -->
    <compare>compare</compare>
    <format>format</format>
  </get-rollback-information>
</rpc>
```

**Description** Show rolled back configuration

**Contents** <rollback>—Rollback number to display

- text - Output text configuration
- xml - Output XML configuration

<compare>—Rollback number to compare

- text - Output text configuration
- xml - Output XML configuration

<format>—Output format of configuration (XML or text)

- text - Output text configuration
- xml - Output XML configuration

## <get-route-engine-information>

---

**Usage**

```
<rpc>
  <get-route-engine-information>
    <slot>slot</slot>
  </get-route-engine-information>
</rpc>
```

**Description** Show Routing Engine status

**Contents** <slot>—Routing Engine slot number

<get-bios-version-information>—Show BIOS firmware version

## <get-route-information>

### Usage

```

<rpc>
  <get-route-information>
    <daemon-select>daemon-select</daemon-select>
    <logical-system>logical-system</logical-system>
    <fabric/>
    <destination>destination</destination>
    <all/>
    <terse/>
    <brief/>
    <detail/>
    <extensive/>
    <best/>
    <exact/>
    <range/>
    <table>table</table>
    <label>label</label>
    <ccc>ccc</ccc>
    <inactive-prefix/>
    <inactive-path/>
    <active-path/>
    <private/>
    <damping>damping</damping>
    <output>output</output>
    <next-hop>next-hop</next-hop>
    <source-gateway>source-gateway</source-gateway>
    <protocol>protocol</protocol>
    <advertising-protocol>advertising-protocol</advertising-protocol>
    <bgp/>
    <dvmrp/>
    <pim/>
    <ripng/>
    <rip/>
    <msdp/>
    <neighbor>neighbor</neighbor>
    <receive-protocol>receive-protocol</receive-protocol>
    <bgp/>
    <rip/>
    <ripng/>
    <dvmrp/>
    <pim/>
    <msdp/>
    <peer>peer</peer>
    <rd-prefix>rd-prefix</rd-prefix>
    <aspath-regex>aspath-regex</aspath-regex>
    <community>community</community>
    <no-community/>
    <community-name>community-name</community-name>
    <label-switched-path>label-switched-path</label-switched-path>

<static-label-switched-path>static-label-switched-path</static-label-switched-path>

```

```
<hidden/>
<ne-id>ne-id</ne-id>
<fabric-route-type>fabric-route-type</fabric-route-type>
<bridge-route-l2domain-id>bridge-route-l2domain-id</bridge-route-l2domain-id>

<bridge-route-mac-address>bridge-route-mac-address</bridge-route-mac-address>

</get-route-information>
</rpc>
```

**Description** Show routing table information

**Contents** <get-forwarding-table-information>—Show entries in all forwarding tables

- suppressed - Entries suppressed due to route damping
- history - Entries that are withdrawn but have history
- decayed - Entries that are decayed but not suppressed
- aggregate - Locally generated aggregate route
- bgp - Border Gateway Protocol
- direct - Directly connected routes
- dvmrp - Distance Vector Multicast Routing Protocol
- isis - Intermediate System-to-Intermediate System
- esis - End System-to-Intermediate System
- ldp - Label Distribution Protocol
- local - Local system addresses
- ospf - Open Shortest Path First
- ospf2 - Open Shortest Path First Version 2
- ospf3 - Open Shortest Path First Version 3
- pim - Protocol Independent Multicast
- rip - Routing Information Protocol
- ripng - Routing Information Protocol for IPv6
- rsvp - Resource Reservation Protocol
- static - Statically defined prefixes
- mpls - Multiprotocol Label Switching
- ccc - Circuit cross-connect
- msdp - Multicast Source Discovery Protocol
- vpn - Layer 3 virtual private network
- l2vpn - Layer 2 virtual private network

- l2circuit - Layer 2 circuit
- atmvpn - ATM over MPLS (ATM VPN)
- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route
- access - Access route
- access-internal - Access-internal route

<get-instance-information>—Show routing instances information

- suppressed - Entries suppressed due to route damping
- history - Entries that are withdrawn but have history
- decayed - Entries that are decayed but not suppressed
- aggregate - Locally generated aggregate route
- bgp - Border Gateway Protocol
- direct - Directly connected routes
- dvmrp - Distance Vector Multicast Routing Protocol
- isis - Intermediate System-to-Intermediate System
- esis - End System-to-Intermediate System
- ldp - Label Distribution Protocol
- local - Local system addresses
- ospf - Open Shortest Path First
- ospf2 - Open Shortest Path First Version 2
- ospf3 - Open Shortest Path First Version 3
- pim - Protocol Independent Multicast
- rip - Routing Information Protocol
- ripng - Routing Information Protocol for IPv6
- rsvp - Resource Reservation Protocol
- static - Statically defined prefixes
- mpls - Multiprotocol Label Switching
- ccc - Circuit cross-connect
- msdp - Multicast Source Discovery Protocol
- vpn - Layer 3 virtual private network
- l2vpn - Layer 2 virtual private network
- l2circuit - Layer 2 circuit

- atmvpn - ATM over MPLS (ATM VPN)
- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route
- access - Access route
- access-internal - Access-internal route

<resolution>—Show next-hop resolution database

- suppressed - Entries suppressed due to route damping
- history - Entries that are withdrawn but have history
- decayed - Entries that are decayed but not suppressed
- aggregate - Locally generated aggregate route
- bgp - Border Gateway Protocol
- direct - Directly connected routes
- dvmrp - Distance Vector Multicast Routing Protocol
- isis - Intermediate System-to-Intermediate System
- esis - End System-to-Intermediate System
- ldp - Label Distribution Protocol
- local - Local system addresses
- ospf - Open Shortest Path First
- ospf2 - Open Shortest Path First Version 2
- ospf3 - Open Shortest Path First Version 3
- pim - Protocol Independent Multicast
- rip - Routing Information Protocol
- ripng - Routing Information Protocol for IPv6
- rsvp - Resource Reservation Protocol
- static - Statically defined prefixes
- mpls - Multiprotocol Label Switching
- ccc - Circuit cross-connect
- msdp - Multicast Source Discovery Protocol
- vpn - Layer 3 virtual private network
- l2vpn - Layer 2 virtual private network
- l2circuit - Layer 2 circuit
- atmvpn - ATM over MPLS (ATM VPN)

- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route
- access - Access route
- access-internal - Access-internal route

<get-route-summary-information>—Show routing table statistics

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- aggregate - Locally generated aggregate route
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- l2vpn - Layer 2 virtual private network
- l2circuit - Layer 2 circuit
- atmvpn - ATM over MPLS (ATM VPN)
- rtarget - Local route target VPN membership

- tunnel - Dynamic tunnel
- flow - Locally defined flow route
- access - Access route
- access-internal - Access-internal route

<martians>—Show martian networks

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- aggregate - Locally generated aggregate route
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- vpn - Layer 3 virtual private network
- l2vpn - Layer 2 virtual private network
- l2circuit - Layer 2 circuit
- atmvpn - ATM over MPLS (ATM VPN)
- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel



- flow - Locally defined flow route
- access - Access route
- access-internal - Access-internal route

<rib-groups>—Show group of routing tables

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- direct - Directly connected routes
- dvmrp - Distance Vector Multicast Routing Protocol
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- ccc - Circuit cross-connect
- msdp - Multicast Source Discovery Protocol
- vpn - Layer 3 virtual private network
- l2vpn - Layer 2 virtual private network
- l2circuit - Layer 2 circuit
- atmvpn - ATM over MPLS (ATM VPN)
- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route

- access - Access route
- access-internal - Access-internal route

<snooping>—Show routes for multicast snooping

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- decayed - Entries that are decayed but not suppressed
- aggregate - Locally generated aggregate route
- bgp - Border Gateway Protocol
- direct - Directly connected routes
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- l2vpn - Layer 2 virtual private network
- l2circuit - Layer 2 circuit
- atmvpn - ATM over MPLS (ATM VPN)
- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route

- access - Access route
- access-internal - Access-internal route

<logical-system>—Name of logical system, or 'all'

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- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route

- access - Access route
- access-internal - Access-internal route

<fabric>—Internal fabric state

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- decayed - Entries that are decayed but not suppressed
- aggregate - Locally generated aggregate route
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- direct - Directly connected routes
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- l2circuit - Layer 2 circuit
- atmvpn - ATM over MPLS (ATM VPN)
- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route

- access - Access route
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<destination>—IP address and optional prefix length of destination

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- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route

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<all>—Show all entries, including hidden entries

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- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route

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<terse>—Display terse output

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- l2circuit - Layer 2 circuit
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- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route

- access - Access route
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<brief>—Display brief output

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- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route



- access - Access route
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<detail>—Display detailed output

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- l2circuit - Layer 2 circuit
- atmvpn - ATM over MPLS (ATM VPN)
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- tunnel - Dynamic tunnel
- flow - Locally defined flow route

- access - Access route
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<extensive>—Display extensive output

- suppressed - Entries suppressed due to route damping
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- aggregate - Locally generated aggregate route
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- l2circuit - Layer 2 circuit
- atmvpn - ATM over MPLS (ATM VPN)
- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route

- access - Access route
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<best>—Show longest matching route

- suppressed - Entries suppressed due to route damping
- history - Entries that are withdrawn but have history
- decayed - Entries that are decayed but not suppressed
- aggregate - Locally generated aggregate route
- bgp - Border Gateway Protocol
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<exact>—Show routes that match exactly

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- l2circuit - Layer 2 circuit
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- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route

- access - Access route
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<range>—Show all entries in prefix range

- suppressed - Entries suppressed due to route damping
- history - Entries that are withdrawn but have history
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- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route

- access - Access route
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<table>—Name of routing table

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- flow - Locally defined flow route

- access - Access route
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<label>—Label of entry in MPLS routing table

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- access - Access route
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<ccc>—Name of entry in MPLS table with a circuit cross-connect interface

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- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route



- access - Access route
- access-internal - Access-internal route

<inactive-prefix>—Show inactive route destinations

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- history - Entries that are withdrawn but have history
- decayed - Entries that are decayed but not suppressed
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<inactive-path>—Show inactive paths

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- l2circuit - Layer 2 circuit
- atmvpn - ATM over MPLS (ATM VPN)
- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route

- access - Access route
- access-internal - Access-internal route

<active-path>—Show active paths

- suppressed - Entries suppressed due to route damping
- history - Entries that are withdrawn but have history
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- access-internal - Access-internal route

<private>—Show private table routes

- suppressed - Entries suppressed due to route damping
- history - Entries that are withdrawn but have history
- decayed - Entries that are decayed but not suppressed
- aggregate - Locally generated aggregate route
- bgp - Border Gateway Protocol
- direct - Directly connected routes
- dvmrp - Distance Vector Multicast Routing Protocol
- isis - Intermediate System-to-Intermediate System
- esis - End System-to-Intermediate System
- ldp - Label Distribution Protocol
- local - Local system addresses
- ospf - Open Shortest Path First
- ospf2 - Open Shortest Path First Version 2
- ospf3 - Open Shortest Path First Version 3
- pim - Protocol Independent Multicast
- rip - Routing Information Protocol
- ripng - Routing Information Protocol for IPv6
- rsvp - Resource Reservation Protocol
- static - Statically defined prefixes
- mpls - Multiprotocol Label Switching
- ccc - Circuit cross-connect
- msdp - Multicast Source Discovery Protocol
- vpn - Layer 3 virtual private network
- l2vpn - Layer 2 virtual private network
- l2circuit - Layer 2 circuit
- atmvpn - ATM over MPLS (ATM VPN)
- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route

- access - Access route
- access-internal - Access-internal route

<damping>—Show entries subjected to particular kind of route damping

- suppressed - Entries suppressed due to route damping
- history - Entries that are withdrawn but have history
- decayed - Entries that are decayed but not suppressed
- aggregate - Locally generated aggregate route
- bgp - Border Gateway Protocol
- direct - Directly connected routes
- dvmrp - Distance Vector Multicast Routing Protocol
- isis - Intermediate System-to-Intermediate System
- esis - End System-to-Intermediate System
- ldp - Label Distribution Protocol
- local - Local system addresses
- ospf - Open Shortest Path First
- ospf2 - Open Shortest Path First Version 2
- ospf3 - Open Shortest Path First Version 3
- pim - Protocol Independent Multicast
- rip - Routing Information Protocol
- ripng - Routing Information Protocol for IPv6
- rsvp - Resource Reservation Protocol
- static - Statically defined prefixes
- mpls - Multiprotocol Label Switching
- ccc - Circuit cross-connect
- msdp - Multicast Source Discovery Protocol
- vpn - Layer 3 virtual private network
- l2vpn - Layer 2 virtual private network
- l2circuit - Layer 2 circuit
- atmvpn - ATM over MPLS (ATM VPN)
- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route

- access - Access route
- access-internal - Access-internal route

<output>—Show entries sent out a particular interface

- aggregate - Locally generated aggregate route
- bgp - Border Gateway Protocol
- direct - Directly connected routes
- dvmrp - Distance Vector Multicast Routing Protocol
- isis - Intermediate System-to-Intermediate System
- esis - End System-to-Intermediate System
- ldp - Label Distribution Protocol
- local - Local system addresses
- ospf - Open Shortest Path First
- ospf2 - Open Shortest Path First Version 2
- ospf3 - Open Shortest Path First Version 3
- pim - Protocol Independent Multicast
- rip - Routing Information Protocol
- ripng - Routing Information Protocol for IPv6
- rsvp - Resource Reservation Protocol
- static - Statically defined prefixes
- mpls - Multiprotocol Label Switching
- ccc - Circuit cross-connect
- msdp - Multicast Source Discovery Protocol
- vpn - Layer 3 virtual private network
- l2vpn - Layer 2 virtual private network
- l2circuit - Layer 2 circuit
- atmvpn - ATM over MPLS (ATM VPN)
- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route
- access - Access route
- access-internal - Access-internal route

<next-hop>—IP address of next hop that is destination for entries

- aggregate - Locally generated aggregate route
- bgp - Border Gateway Protocol
- direct - Directly connected routes
- dvmrp - Distance Vector Multicast Routing Protocol
- isis - Intermediate System-to-Intermediate System
- esis - End System-to-Intermediate System
- ldp - Label Distribution Protocol
- local - Local system addresses
- ospf - Open Shortest Path First
- ospf2 - Open Shortest Path First Version 2
- ospf3 - Open Shortest Path First Version 3
- pim - Protocol Independent Multicast
- rip - Routing Information Protocol
- ripng - Routing Information Protocol for IPv6
- rsvp - Resource Reservation Protocol
- static - Statically defined prefixes
- mpls - Multiprotocol Label Switching
- ccc - Circuit cross-connect
- msdp - Multicast Source Discovery Protocol
- vpn - Layer 3 virtual private network
- l2vpn - Layer 2 virtual private network
- l2circuit - Layer 2 circuit
- atmvpn - ATM over MPLS (ATM VPN)
- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route
- access - Access route
- access-internal - Access-internal route

<source-gateway>—IP address of source router for entries

- aggregate - Locally generated aggregate route
- bgp - Border Gateway Protocol
- direct - Directly connected routes
- dvmrp - Distance Vector Multicast Routing Protocol

- isis - Intermediate System-to-Intermediate System
- esis - End System-to-Intermediate System
- ldp - Label Distribution Protocol
- local - Local system addresses
- ospf - Open Shortest Path First
- ospf2 - Open Shortest Path First Version 2
- ospf3 - Open Shortest Path First Version 3
- pim - Protocol Independent Multicast
- rip - Routing Information Protocol
- ripng - Routing Information Protocol for IPv6
- rsvp - Resource Reservation Protocol
- static - Statically defined prefixes
- mpls - Multiprotocol Label Switching
- ccc - Circuit cross-connect
- msdp - Multicast Source Discovery Protocol
- vpn - Layer 3 virtual private network
- l2vpn - Layer 2 virtual private network
- l2circuit - Layer 2 circuit
- atmvpn - ATM over MPLS (ATM VPN)
- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route
- access - Access route
- access-internal - Access-internal route

<protocol>—Name of protocol that is source for entries

- aggregate - Locally generated aggregate route
- bgp - Border Gateway Protocol
- direct - Directly connected routes
- dvmrp - Distance Vector Multicast Routing Protocol
- isis - Intermediate System-to-Intermediate System
- esis - End System-to-Intermediate System
- ldp - Label Distribution Protocol
- local - Local system addresses



- ospf - Open Shortest Path First
- ospf2 - Open Shortest Path First Version 2
- ospf3 - Open Shortest Path First Version 3
- pim - Protocol Independent Multicast
- rip - Routing Information Protocol
- ripng - Routing Information Protocol for IPv6
- rsvp - Resource Reservation Protocol
- static - Statically defined prefixes
- mpls - Multiprotocol Label Switching
- ccc - Circuit cross-connect
- msdp - Multicast Source Discovery Protocol
- vpn - Layer 3 virtual private network
- l2vpn - Layer 2 virtual private network
- l2circuit - Layer 2 circuit
- atmvpn - ATM over MPLS (ATM VPN)
- rtarget - Local route target VPN membership
- tunnel - Dynamic tunnel
- flow - Locally defined flow route
- access - Access route
- access-internal - Access-internal route

<advertising-protocol>—Show information in format intended for particular routing protocol

<bgp>—Border Gateway Protocol

<dvmrp>—Distance Vector Multicast Routing Protocol

<pim>—Protocol Independent Multicast

<ripng>—Routing Information Protocol for IPv6

<rip>—Routing Information Protocol

<msdp>—Multicast Source Discovery Protocol

<neighbor>—IP address of neighbor (local for RIP and RIPng)

<receive-protocol>—Show information in format received from particular routing protocol

<bgp>—Border Gateway Protocol

<rip>—Routing Information Protocol

<ripng>—Routing Information Protocol for IPv6

<dvmrp>—Distance Vector Multicast Routing Protocol

<pim>—Protocol Independent Multicast

<msdp>—Multicast Source Discovery Protocol

<peer>—IP address of neighbor

<rd-prefix>—Route distinguisher with ip prefix (rd:prefix)

<aspath-regex>—BGP AS path regular expression for entries to match

<community>—Identifier for community (can include wildcards)

<no-community>—Show entries with no associated community

<community-name>—Name of configured community policy to match

<label-switched-path>—Name of LSP tunnel associated with entries

<static-label-switched-path>—Name of static LSP tunnel associated with entries

<hidden>—Show hidden entries

<ne-id>—INE Identifier ipaddress

<fabric-route-type>—Fabric route type

<bridge-route-l2domain-id>—L2Domain Id

<bridge-route-mac-address>—MAC address

<get-rtexport-table-information>—Show instance export information

<flow>—Show flow routing information

---

## <get-route-summary-information>

---

### Usage

```
<rpc>
  <get-route-summary-information>
    <daemon-select>daemon-select</daemon-select>
    <logical-system>logical-system</logical-system>
    <fabric/>
  </get-route-summary-information>
</rpc>
```

**Description** Show routing table statistics

**Contents**    <logical-system>—Name of logical system, or 'all'  
                  <fabric>—Internal fabric state

### <get-rps-chassis-information>

---

**Usage**

```
<rpc>
  <get-rps-chassis-information/>
</rpc>
```

**Description**    Show redundant power system chassis information

### <get-rps-led-information>

---

**Usage**

```
<rpc>
  <get-rps-led-information/>
</rpc>
```

**Description**    Show redundant power system led information

### <get-rps-power-supply-information>

---

**Usage**

```
<rpc>
  <get-rps-power-supply-information/>
</rpc>
```

**Description**    Show redundant power system power supply information

### <get-rps-status-information>

---

**Usage**

```
<rpc>
  <get-rps-status-information/>
</rpc>
```

**Description**    Show redundant power system status information

### <get-rps-version-information>

---

**Usage**

```
<rpc>
  <get-rps-version-information/>
```

</rpc>

**Description** Show redundant power system version information

---

## <get-rsvp-interface-information>

---

### Usage

```
<rpc>
  <get-rsvp-interface-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <extensive/>
    <link-management/>
    <interface-name>interface-name</interface-name>
  </get-rsvp-interface-information>
</rpc>
```

**Description** Show RSVP interfaces

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

<link-management>—Display RSVP interfaces created by LMP

<interface-name>—Name of logical interface

---

## <get-rsvp-neighbor-information>

---

### Usage

```
<rpc>
  <get-rsvp-neighbor-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
  </get-rsvp-neighbor-information>
</rpc>
```

**Description** Show RSVP neighbors

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

## <get-rsvp-session-information>

### Usage

```
<rpc>
  <get-rsvp-session-information>
    <logical-system>logical-system</logical-system>
    <ingress/>
    <egress/>
    <transit/>
    <lsp/>
    <nolsp/>
    <up/>
    <down/>
    <unidirectional/>
    <bidirectional/>
    <p2mp/>
    <terse/>
    <brief/>
    <detail/>
    <extensive/>
    <statistics/>
    <bypass/>
    <session-name>session-name</session-name>
    <interface>interface</interface>
    <te-link>te-link</te-link>
  </get-rsvp-session-information>
</rpc>
```

**Description** Show active RSVP sessions

**Contents**

- <logical-system>—Name of logical system, or 'all'
- <ingress>—Display RSVP sessions originating at this router
- <egress>—Display RSVP sessions ending at this router
- <transit>—Display RSVP sessions transiting this router
- <lsp>—Display RSVP sessions used to set up LSPs
- <nolsp>—Display RSVP sessions not used to set up LSPs
- <up>—Display active LSPs
- <down>—Display inactive LSPs
- <unidirectional>—Display unidirectional RSVP sessions
- <bidirectional>—Display bidirectional RSVP sessions
- <p2mp>—Display point-to-multipoint RSVP sessions

<terse>—Display terse output

<brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

<statistics>—Display packet statistics

<bypass>—Display RSVP sessions used to protect LSPs

<session-name>—Name of RSVP session

<interface>—Name of interface

<te-link>—Name of traffic engineering link

---

### <get-rsvp-statistics-information>

---

**Usage**

```
<rpc>
  <get-rsvp-statistics-information>
    <logical-system>logical-system</logical-system>
  </get-rsvp-statistics-information>
</rpc>
```

**Description** Show RSVP statistics

**Contents** <logical-system>—Name of logical system, or 'all'

---

### <get-rsvp-version-information>

---

**Usage**

```
<rpc>
  <get-rsvp-version-information>
    <logical-system>logical-system</logical-system>
  </get-rsvp-version-information>
</rpc>
```

**Description** Show RSVP version

**Contents** <logical-system>—Name of logical system, or 'all'

---

### <get-rtexport-instance-information>

---

**Usage**

```
<rpc>
  <get-rtexport-instance-information>
```

```

    <brief/>
    <detail/>
    <daemon-select>daemon-select</daemon-select>
    <logical-system>logical-system</logical-system>
    <fabric/>
    <instance-name>instance-name</instance-name>
  </get-rtexport-instance-information>
</rpc>

```

**Description** Show instance configuration and runtime information

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<logical-system>—Name of logical system, or 'all'

<fabric>—Internal fabric state

<instance-name>—Name of instance

## <get-rtexport-table-information>

### Usage

```

<rpc>
  <get-rtexport-table-information>
    <daemon-select>daemon-select</daemon-select>
    <logical-system>logical-system</logical-system>
    <fabric/>
    <brief/>
    <detail/>
    <table-name>table-name</table-name>
  </get-rtexport-table-information>
</rpc>

```

**Description** Show instance export information

**Contents** <logical-system>—Name of logical system, or 'all'

<fabric>—Internal fabric state

<brief>—Display brief output (default)

<detail>—Display detailed output

<table-name>—Name of table

<get-rtexport-target-information>—Show VPN routing and forwarding route target export information

<get-rtexport-instance-information>—Show instance configuration and runtime information

## <get-rtexport-target-information>

---

### Usage

```
<rpc>
  <get-rtexport-target-information>
    <brief/>
    <detail/>
    <daemon-select>daemon-select</daemon-select>
    <logical-system>logical-system</logical-system>
    <fabric/>
    <community>community</community>
  </get-rtexport-target-information>
</rpc>
```

**Description** Show VPN routing and forwarding route target export information

**Contents**

- <brief>—Display brief output (default)
- <detail>—Display detailed output
- <logical-system>—Name of logical system, or 'all'
- <fabric>—Internal fabric state
- <community>—Community to match (can include wildcards)

## <get-rtflow-dep-information>

---

### Usage

```
<rpc>
  <get-rtflow-dep-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
    <table>table</table>
    <destination>destination</destination>
  </get-rtflow-dep-information>
</rpc>
```

**Description** Show flow route validation tables

**Contents**

- <logical-system>—Name of logical system, or 'all'
- <brief>—Display brief output (default)
- <detail>—Display detailed output
- <table>—Name of unicast routing table
- <destination>—IP address and optional prefix length of destination



## <get-sap-listen-information>

---

**Usage**

```

<rpc>
  <get-sap-listen-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
  </get-sap-listen-information>
</rpc>

```

**Description** Show addresses to listen for session announcements

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

## <get-scb-information>

---

**Usage**

```

<rpc>
  <get-scb-information/>
</rpc>

```

**Description** Show System Control Board status

## <get-security-alarm-information>

---

**Usage**

```

<rpc>
  <get-security-alarm-information>
    <alarm-id>alarm-id</alarm-id>
    <alarm-type>alarm-type</alarm-type>
    <newer-than>newer-than</newer-than>
    <older-than>older-than</older-than>
    <process>process</process>
    <severity>severity</severity>
    <detail/>
  </get-security-alarm-information>
</rpc>

```

**Description** Show active security alarm information

**Contents** <alarm-id>—Alarm ID filter

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity

<alarm-type>—Alarm type filter

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity

<newer-than>—Alarms newer than filter (YYYY-MM-DD.HH:MM:SS)

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity

<older-than>—Alarms older than filter (YYYY-MM-DD.HH:MM:SS)

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity

- info - Information severity
- notice - Notice severity
- warning - Warning severity

<process>—Process that generated the alarm filter

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity

<severity>—Severity of the alarm filter

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity

<detail>—Show detail alarm information

---

## <get-security-log-information>

---

### Usage

```
<rpc>
  <get-security-log-information>
    <destination-address>destination-address</destination-address>
    <destination-port>destination-port</destination-port>
    <event-id>event-id</event-id>
    <interface-name>interface-name</interface-name>
    <older-than>older-than</older-than>
    <process>process</process>
    <protocol>protocol</protocol>
    <newer-than>newer-than</newer-than>
    <failure/>
    <success/>
```

```
<severity>severity</severity>
<source-address>source-address</source-address>
<source-port>source-port</source-port>
<username>username</username>
<sort-by>sort-by</sort-by>
<ascending/>
<descending/>
<detail/>
</get-security-log-information>
</rpc>
```

**Description** Show auditable security log information

**Contents** <destination-address>—Destination address and optional prefix length

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity
- destination-address - Sort by destination address
- destination-port - Sort by destination port
- interface-name - Sort by interface name
- protocol - Sort by protocol
- source-address - Sort by source address
- source-port - Sort by source port
- time - Sort by time of event arrival
- username - Sort by event user name

<destination-port>—Destination port

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity

- notice - Notice severity
- warning - Warning severity
- destination-address - Sort by destination address
- destination-port - Sort by destination port
- interface-name - Sort by interface name
- protocol - Sort by protocol
- source-address - Sort by source address
- source-port - Sort by source port
- time - Sort by time of event arrival
- username - Sort by event user name

<event-id>—Event ID filter

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity
- destination-address - Sort by destination address
- destination-port - Sort by destination port
- interface-name - Sort by interface name
- protocol - Sort by protocol
- source-address - Sort by source address
- source-port - Sort by source port
- time - Sort by time of event arrival
- username - Sort by event user name

<interface-name>—Name of interface

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity

- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity
- destination-address - Sort by destination address
- destination-port - Sort by destination port
- interface-name - Sort by interface name
- protocol - Sort by protocol
- source-address - Sort by source address
- source-port - Sort by source port
- time - Sort by time of event arrival
- username - Sort by event user name

<older-than>—Events older than filter (YYYY-MM-DD.HH:MM:SS)

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity
- destination-address - Sort by destination address
- destination-port - Sort by destination port
- interface-name - Sort by interface name
- protocol - Sort by protocol
- source-address - Sort by source address
- source-port - Sort by source port
- time - Sort by time of event arrival
- username - Sort by event user name

<process>—Process that generated the event

- alert - Alert severity
- crit - Critical severity

- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity
- destination-address - Sort by destination address
- destination-port - Sort by destination port
- interface-name - Sort by interface name
- protocol - Sort by protocol
- source-address - Sort by source address
- source-port - Sort by source port
- time - Sort by time of event arrival
- username - Sort by event user name

<protocol>—Protocol filter

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity
- destination-address - Sort by destination address
- destination-port - Sort by destination port
- interface-name - Sort by interface name
- protocol - Sort by protocol
- source-address - Sort by source address
- source-port - Sort by source port
- time - Sort by time of event arrival
- username - Sort by event user name

<newer-than>—Events newer than filter (YYYY-MM-DD.HH:MM:SS)

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity
- destination-address - Sort by destination address
- destination-port - Sort by destination port
- interface-name - Sort by interface name
- protocol - Sort by protocol
- source-address - Sort by source address
- source-port - Sort by source port
- time - Sort by time of event arrival
- username - Sort by event user name

<failure>—Event was a failure

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity
- destination-address - Sort by destination address
- destination-port - Sort by destination port
- interface-name - Sort by interface name
- protocol - Sort by protocol
- source-address - Sort by source address
- source-port - Sort by source port
- time - Sort by time of event arrival
- username - Sort by event user name



<success>—Event was successful

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity
- destination-address - Sort by destination address
- destination-port - Sort by destination port
- interface-name - Sort by interface name
- protocol - Sort by protocol
- source-address - Sort by source address
- source-port - Sort by source port
- time - Sort by time of event arrival
- username - Sort by event user name

<severity>—Severity of the event

- alert - Alert severity
- crit - Critical severity
- debug - Debug severity
- emerg - Emergency severity
- err - Error severity
- info - Information severity
- notice - Notice severity
- warning - Warning severity
- destination-address - Sort by destination address
- destination-port - Sort by destination port
- interface-name - Sort by interface name
- protocol - Sort by protocol
- source-address - Sort by source address
- source-port - Sort by source port

- time - Sort by time of event arrival
- username - Sort by event user name

<source-address>—Source address and optional prefix length

- destination-address - Sort by destination address
- destination-port - Sort by destination port
- interface-name - Sort by interface name
- protocol - Sort by protocol
- source-address - Sort by source address
- source-port - Sort by source port
- time - Sort by time of event arrival
- username - Sort by event user name

<source-port>—Source port

- destination-address - Sort by destination address
- destination-port - Sort by destination port
- interface-name - Sort by interface name
- protocol - Sort by protocol
- source-address - Sort by source address
- source-port - Sort by source port
- time - Sort by time of event arrival
- username - Sort by event user name

<username>—Username filter

- destination-address - Sort by destination address
- destination-port - Sort by destination port
- interface-name - Sort by interface name
- protocol - Sort by protocol
- source-address - Sort by source address
- source-port - Sort by source port
- time - Sort by time of event arrival
- username - Sort by event user name

<sort-by>—Sort by selected field

- destination-address - Sort by destination address
- destination-port - Sort by destination port

- interface-name - Sort by interface name
- protocol - Sort by protocol
- source-address - Sort by source address
- source-port - Sort by source port
- time - Sort by time of event arrival
- username - Sort by event user name

<ascending>—Sort in ascending order

<descending>—Sort in descending order

<detail>—Show detail alarm information

## <get-service-accounting-aggregation-as-information>

### Usage

```
<rpc>
  <get-service-accounting-aggregation-as-information>
    <as-information>as-information</as-information>
    <limit>limit</limit>
    <order>order</order>
    <extensive/>
    <detail/>
    <terse/>
    <source-as>source-as</source-as>
    <destination-as>destination-as</destination-as>

    <input-snmp-interface-index>input-snmp-interface-index</input-snmp-interface-index>

    <output-snmp-interface-index>output-snmp-interface-index</output-snmp-interface-index>

  </get-service-accounting-aggregation-as-information>
</rpc>
```

**Description** Show aggregation type AS

**Contents** <as-information>—Name of service, wildcard, or 'all'

- bytes - Display largest number of bytes first
- packets - Display largest number of packets first

<limit>—Maximum number of flows to display

- bytes - Display largest number of bytes first
- packets - Display largest number of packets first

<order>—Order for displaying flows

- bytes - Display largest number of bytes first
- packets - Display largest number of packets first

<extensive>—Display extensive output

<detail>—Display detailed output

<terse>—Display terse output (default)

<source-as>—Filter term source-as

<destination-as>—Filter term destination AS

<input-snmp-interface-index>—Filter term input SNMP interface index

<output-snmp-interface-index>—Filter term output SNMP interface index

---

## <get-service-accounting-aggregation-destination-prefix-information>

---

### Usage

```
<rpc>
  <get-service-accounting-aggregation-destination-prefix-information>

  <destination-prefix-information>destination-prefix-information</destination-prefix-information>

  <limit>limit</limit>
  <order>order</order>
  <extensive/>
  <detail/>
  <terse/>
  <destination-prefix>destination-prefix</destination-prefix>
  <destination-as>destination-as</destination-as>

  <output-snmp-interface-index>output-snmp-interface-index</output-snmp-interface-index>

  </get-service-accounting-aggregation-destination-prefix-information>
</rpc>
```

**Description** Show aggregation type destination-prefix

**Contents** <destination-prefix-information>—Name of service, wildcard, or 'all'

- bytes - Display largest number of bytes first
- packets - Display largest number of packets first

<limit>—Maximum number of flows to display

- bytes - Display largest number of bytes first
- packets - Display largest number of packets first

<order>—Order for displaying flows

- bytes - Display largest number of bytes first
- packets - Display largest number of packets first

<extensive>—Display extensive output

<detail>—Display detailed output

<terse>—Display terse output (default)

<destination-prefix>—Filter term destination prefix

<destination-as>—Filter term destination-as

<output-snmp-interface-index>—Filter term output SNMP interface index

## <get-service-accounting-aggregation-information>

### Usage

```
<rpc>
  <get-service-accounting-aggregation-information>
</get-service-accounting-aggregation-information>
</rpc>
```

**Description** Show aggregation information

**Contents**

- <get-service-accounting-aggregation-as-information>—Show aggregation type AS
- <get-service-accounting-aggregation-protocol-port-information>—Show aggregation type protocol-port
- <get-service-accounting-aggregation-source-prefix-information>—Show aggregation type source-prefix
- <get-service-accounting-aggregation-destination-prefix-information>—Show aggregation type destination-prefix
- <get-service-accounting-aggregation-source-destination-prefix-information>—Show aggregation type source-destination-prefix
- <get-service-accounting-aggregation-template-information>—Show aggregation type template

## <get-service-accounting-aggregation-protocol-port-information>

### Usage

```
<rpc>
  <get-service-accounting-aggregation-protocol-port-information>
  <protocol-port-information>protocol-port-information</protocol-port-information>
</rpc>
```

```
<limit>limit</limit>
<order>order</order>
<extensive/>
<detail/>
<terse/>
<proto>proto</proto>
<source-port>source-port</source-port>
<destination-port>destination-port</destination-port>
</get-service-accounting-aggregation-protocol-port-information>
</rpc>
```

**Description** Show aggregation type protocol-port

**Contents** <protocol-port-information>—Name of service, wildcard, or 'all'

- bytes - Display largest number of bytes first
- packets - Display largest number of packets first

<limit>—Maximum number of flows to display

- bytes - Display largest number of bytes first
- packets - Display largest number of packets first

<order>—Order for displaying flows

- bytes - Display largest number of bytes first
- packets - Display largest number of packets first

<extensive>—Display extensive output

<detail>—Display detailed output

<terse>—Display terse output (default)

<proto>—Filter term protocol

<source-port>—Filter term source port

<destination-port>—Filter term destination port

---

## <get-service-accounting-aggregation-source-destination-prefix-information>

---

### Usage

```
<rpc>
  <get-service-accounting-aggregation-source-destination-prefix-information>

  <source-destination-prefix-information>source-destination-prefix-information</source-destination-prefix-information>

  <limit>limit</limit>
  <order>order</order>
```

```

<extensive/>
<detail/>
<terse/>
<source-prefix>source-prefix</source-prefix>
<source-as>source-as</source-as>

<input-snmp-interface-index>input-snmp-interface-index</input-snmp-interface-index>

<destination-prefix>destination-prefix</destination-prefix>
<destination-as>destination-as</destination-as>

<output-snmp-interface-index>output-snmp-interface-index</output-snmp-interface-index>

</get-service-accounting-aggregation-source-destination-prefix-information>
</rpc>

```

**Description** Show aggregation type source-destination-prefix

**Contents** <source-destination-prefix-information>—Name of service, wildcard, or 'all'

- bytes - Display largest number of bytes first
- packets - Display largest number of packets first

<limit>—Maximum number of flows to display

- bytes - Display largest number of bytes first
- packets - Display largest number of packets first

<order>—Order for displaying flows

- bytes - Display largest number of bytes first
- packets - Display largest number of packets first

<extensive>—Display extensive output

<detail>—Display detailed output

<terse>—Display terse output (default)

<source-prefix>—Filter term source prefix

<source-as>—Filter term source-as

<input-snmp-interface-index>—Filter term input SNMP interface index

<destination-prefix>—Filter term destination prefix

<destination-as>—Filter term destination-as

<output-snmp-interface-index>—Filter term output SNMP interface index

## <get-service-accounting-aggregation-source-prefix-information>

---

### Usage

```
<rpc>
  <get-service-accounting-aggregation-source-prefix-information>
    <source-prefix-information>source-prefix-information</source-prefix-information>

    <limit>limit</limit>
    <order>order</order>
    <extensive/>
    <detail/>
    <terse/>
    <source-prefix>source-prefix</source-prefix>
    <source-as>source-as</source-as>

  <input-snmp-interface-index>input-snmp-interface-index</input-snmp-interface-index>

  </get-service-accounting-aggregation-source-prefix-information>
</rpc>
```

**Description** Show aggregation type source-prefix

**Contents** <source-prefix-information>—Name of service, wildcard, or 'all'

- bytes - Display largest number of bytes first
- packets - Display largest number of packets first

<limit>—Maximum number of flows to display

- bytes - Display largest number of bytes first
- packets - Display largest number of packets first

<order>—Order for displaying flows

- bytes - Display largest number of bytes first
- packets - Display largest number of packets first

<extensive>—Display extensive output

<detail>—Display detailed output

<terse>—Display terse output (default)

<source-prefix>—Filter term source prefix

<source-as>—Filter term source-as

<input-snmp-interface-index>—Filter term input SNMP interface index



## <get-service-accounting-aggregation-template-information>

### Usage

```

<rpc>
  <get-service-accounting-aggregation-template-information>
    <template-name>template-name</template-name> <!-- mandatory -->
    <extensive/>
    <detail/>
    <terse/>
  </get-service-accounting-aggregation-template-information>
</rpc>

```

**Description** Show aggregation type template

**Contents** <template-name>—Name of template

<extensive>—Display extensive output

<detail>—Display detailed output

<terse>—Display terse output (default)

## <get-service-accounting-error-inline-jflow-information>

### Usage

```

<rpc>
  <get-service-accounting-error-inline-jflow-information>

  <inline-jflow-error-information>inline-jflow-error-information</inline-jflow-error-information>
  <!-- mandatory -->
  </get-service-accounting-error-inline-jflow-information>
</rpc>

```

**Description** Show service accounting inline Jflow error information

**Contents** <inline-jflow-error-information>—FPC Slot for inline Jflow

## <get-service-accounting-errors-information>

### Usage

```

<rpc>
  <get-service-accounting-errors-information>
    <error-information>error-information</error-information>
  </get-service-accounting-errors-information>
</rpc>

```

**Description** Show error statistics

**Contents** <error-information>—Name of service, wildcard, or 'all'

<get-service-accounting-error-inline-jflow-information>—Show service accounting inline Jflow error information

## <get-service-accounting-flow-detail>

---

### Usage

```
<rpc>
  <get-service-accounting-flow-detail>
    <flow-detail-information>flow-detail-information</flow-detail-information>
    <limit>limit</limit>
    <order>order</order>
    <extensive/>
    <detail/>
    <terse/>
    <source-prefix>source-prefix</source-prefix>
    <destination-prefix>destination-prefix</destination-prefix>
    <source-port>source-port</source-port>
    <destination-port>destination-port</destination-port>

    <input-snmp-interface-index>input-snmp-interface-index</input-snmp-interface-index>

    <output-snmp-interface-index>output-snmp-interface-index</output-snmp-interface-index>

    <source-as>source-as</source-as>
    <destination-as>destination-as</destination-as>
    <tos>tos</tos>
    <proto>proto</proto>
  </get-service-accounting-flow-detail>
</rpc>
```

**Description** Show flow detail

**Contents** <flow-detail-information>—Name of service, wildcard, or 'all'

- bytes - Display largest number of bytes first
- packets - Display largest number of packets first

<limit>—Maximum number of flows to display

- bytes - Display largest number of bytes first
- packets - Display largest number of packets first

<order>—Order for displaying flows

- bytes - Display largest number of bytes first
- packets - Display largest number of packets first

<extensive>—Display extensive output

<detail>—Display detailed output

<terse>—Display terse output (default)

<source-prefix>—Filter term source prefix

<destination-prefix>—Filter term destination prefix

<source-port>—Filter term source port

<destination-port>—Filter term destination port

<input-snmp-interface-index>—Filter term input SNMP interface index

<output-snmp-interface-index>—Filter term output SNMP interface index

<source-as>—Filter term source AS

<destination-as>—Filter term destination AS

<tos>—Filter term ToS

<proto>—Filter term protocol

---

### <get-service-accounting-flow-information>

---

**Usage**

```
<rpc>
  <get-service-accounting-flow-information>
    <flow-information>flow-information</flow-information>
  </get-service-accounting-flow-information>
</rpc>
```

**Description** Show flow information

**Contents** <flow-information>—Name of service, wildcard, or 'all'

<get-service-accounting-status-inline-jflow-flow-information>—Show service accounting inline Jflow flow information

---

### <get-service-accounting-information>

---

**Usage**

```
<rpc>
  <get-service-accounting-information>
  </get-service-accounting-information>
</rpc>
```

**Description** Show sampled accounting service

**Contents** <get-service-accounting-status-information>—Show service accounting parameters  
<get-service-accounting-usage-information>—Show CPU usage  
<get-service-accounting-memory-information>—Show memory information  
<get-service-accounting-flow-information>—Show flow information  
<get-service-accounting-flow-detail>—Show flow detail  
<get-service-accounting-aggregation-information>—Show aggregation information  
<get-service-accounting-errors-information>—Show error statistics  
<get-packet-distribution-information>—Show packet size distribution

---

### <get-service-accounting-memory-information>

---

**Usage**

```
<rpc>  
  <get-service-accounting-memory-information>  
    <memory-information>memory-information</memory-information>  
  </get-service-accounting-memory-information>  
</rpc>
```

**Description** Show memory information

**Contents** <memory-information>—Name of service, wildcard, or 'all'

---

### <get-service-accounting-status-information>

---

**Usage**

```
<rpc>  
  <get-service-accounting-status-information>  
    <status-information>status-information</status-information>  
  </get-service-accounting-status-information>  
</rpc>
```

**Description** Show service accounting parameters

**Contents** <status-information>—Name of service, wildcard, or 'all'  
  
<get-service-accounting-status-inline-jflow-information>—Show service accounting inline Jflow parameters

## <get-service-accounting-status-inline-jflow-flow-information>

### Usage

```

<rpc>
  <get-service-accounting-status-inline-jflow-flow-information>

  <inline-jflow-flow-information>inline-jflow-flow-information</inline-jflow-flow-information>
  <!-- mandatory -->
  </get-service-accounting-status-inline-jflow-flow-information>
</rpc>

```

**Description** Show service accounting inline Jflow flow information

**Contents** <inline-jflow-flow-information>—FPC Slot for inline Jflow

## <get-service-accounting-status-inline-jflow-information>

### Usage

```

<rpc>
  <get-service-accounting-status-inline-jflow-information>
  <inline-jflow-information>inline-jflow-information</inline-jflow-information> <!--
mandatory -->
  </get-service-accounting-status-inline-jflow-information>
</rpc>

```

**Description** Show service accounting inline Jflow parameters

**Contents** <inline-jflow-information>—FPC Slot for inline Jflow

## <get-service-accounting-usage-information>

### Usage

```

<rpc>
  <get-service-accounting-usage-information>
  <usage-information>usage-information</usage-information>
  </get-service-accounting-usage-information>
</rpc>

```

**Description** Show CPU usage

**Contents** <usage-information>—Name of service, wildcard, or 'all'

## <get-service-border-signaling-gateway-address-of-record>

### Usage

```

<rpc>

```

```
<get-service-border-signaling-gateway-address-of-record>
</get-service-border-signaling-gateway-address-of-record>
</rpc>
```

**Description** Show border signaling gateway address of record

**Contents** <get-service-border-signaling-gateway-address-of-record-bindings>—Show address of record bindings

---

## <get-service-border-signaling-gateway-address-of-record-bindings>

---

### Usage

```
<rpc>
<get-service-border-signaling-gateway-address-of-record-bindings>
  <gateway>gateway</gateway> <!-- mandatory -->
  <master/>
  <backup/>
  <address-of-record>address-of-record</address-of-record>
  <detail/>
</get-service-border-signaling-gateway-address-of-record-bindings>
</rpc>
```

**Description** Show address of record bindings

**Contents** <gateway>—Name of border signaling gateway

<master>—Query the master border signaling gateway (default)

<backup>—Query the backup border signaling gateway

<address-of-record>—Address of record name

<detail>—Detail mode

---

## <get-service-border-signaling-gateway-calls-duration>

---

### Usage

```
<rpc>
<get-service-border-signaling-gateway-calls-duration>
</get-service-border-signaling-gateway-calls-duration>
</rpc>
```

**Description** Show border signaling gateway calls duration

**Contents** <get-service-border-signaling-gateway-statistics-calls-duration-by-sp>—Show border signaling gateway calls duration statistics grouped by service-point

<get-service-border-signaling-gateway-statistics-calls-duration-by-server>—Show border signaling gateway calls duration statistics grouped by server

## <get-service-border-signaling-gateway-charging-statistics>

### Usage

```
<rpc>
  <get-service-border-signaling-gateway-charging-statistics>
    <gateway>gateway</gateway> <!-- mandatory -->
    <master/>
    <backup/>
  </get-service-border-signaling-gateway-charging-statistics>
</rpc>
```

**Description** Show border signaling gateway accounting statistics

**Contents** <gateway>—Name of border signaling gateway

<master>—Query the master border signaling gateway (default)

<backup>—Query the backup border signaling gateway

## <get-service-border-signaling-gateway-charging-status>

### Usage

```
<rpc>
  <get-service-border-signaling-gateway-charging-status>
    <gateway>gateway</gateway> <!-- mandatory -->
    <master/>
    <backup/>
  </get-service-border-signaling-gateway-charging-status>
</rpc>
```

**Description** Show border signaling gateway accounting status

**Contents** <gateway>—Name of border signaling gateway

<master>—Query the master border signaling gateway (default)

<backup>—Query the backup border signaling gateway

## <get-service-border-signaling-gateway-information-by-contact>

### Usage

```
<rpc>
  <get-service-border-signaling-gateway-information-by-contact>
    <gateway>gateway</gateway> <!-- mandatory -->
    <contact>contact</contact>
    <brief/>
```

```
<summary/>
<detail/>
<master/>
<backup/>
</get-service-border-signaling-gateway-information-by-contact>
</rpc>
```

**Description** Show border signaling gateway information by contact

**Contents** <gateway>—Name of border signaling gateway

<contact>—Contact

<brief>—Display brief output (default)

<summary>—Display summary output

<detail>—Display detailed output

<master>—Query the master border signaling gateway (default)

<backup>—Query the backup border signaling gateway

---

## <get-service-border-signaling-gateway-information-by-request-uri>

---

### Usage

```
<rpc>
<get-service-border-signaling-gateway-information-by-request-uri>
  <gateway>gateway</gateway> <!-- mandatory -->
  <uri>uri</uri>
  <brief/>
  <summary/>
  <detail/>
  <master/>
  <backup/>
</get-service-border-signaling-gateway-information-by-request-uri>
</rpc>
```

**Description** Show border signaling gateway information by request uri

**Contents** <gateway>—Name of border signaling gateway

<uri>—URI

<brief>—Display brief output (default)

<summary>—Display summary output

<detail>—Display detailed output

<master>—Query the master border signaling gateway (default)



<backup>—Query the backup border signaling gateway

## <get-service-border-signaling-gateway-name-resolution-cache>

### Usage

```
<rpc>
  <get-service-border-signaling-gateway-name-resolution-cache>
</get-service-border-signaling-gateway-name-resolution-cache>
</rpc>
```

**Description** Show border signaling gateway name resolution cache content

**Contents** <by-fqdn>—Show records for the Fully Qualified Domain Name

<get-service-border-signaling-gateway-name-resolution-cache-all>—Show contents of the cache

## <get-service-border-signaling-gateway-name-resolution-cache-all>

### Usage

```
<rpc>
  <get-service-border-signaling-gateway-name-resolution-cache-all>
    <gateway>gateway</gateway> <!-- mandatory -->
    <master/>
    <backup/>
  </get-service-border-signaling-gateway-name-resolution-cache-all>
</rpc>
```

**Description** Show contents of the cache

**Contents** <gateway>—Name of border signaling gateway

<master>—Query the master border signaling gateway (default)

<backup>—Query the backup border signaling gateway

## <get-service-border-signaling-gateway-routing-blacklist>

### Usage

```
<rpc>
  <get-service-border-signaling-gateway-routing-blacklist>
    <gateway>gateway</gateway> <!-- mandatory -->
    <master/>
    <backup/>
  </get-service-border-signaling-gateway-routing-blacklist>
</rpc>
```

**Description** Show border signaling gateway servers blacklist content

**Contents** <gateway>—Name of border signaling gateway  
<master>—Query the master border signaling gateway (default)  
<backup>—Query the backup border signaling gateway

---

### <get-service-border-signaling-gateway-statistics-admission-control>

---

**Usage**

```
<rpc>
  <get-service-border-signaling-gateway-statistics-admission-control>
    <gateway>gateway</gateway> <!-- mandatory -->
    <master/>
    <backup/>
  </get-service-border-signaling-gateway-statistics-admission-control>
</rpc>
```

**Description** Show border signaling gateway admission control profile statistics statistics

**Contents** <gateway>—Name of border signaling gateway  
<master>—Query the master border signaling gateway (default)  
<backup>—Query the backup border signaling gateway

---

### <get-service-border-signaling-gateway-statistics-calls>

---

**Usage**

```
<rpc>
  <get-service-border-signaling-gateway-statistics-calls>
</get-service-border-signaling-gateway-statistics-calls>
</rpc>
```

**Description** Show border signaling gateway calls statistics

**Contents** <get-service-border-signaling-gateway-statistics-calls-by-sp>—Show border signaling gateway calls statistics grouped by service-point  
  
<get-service-border-signaling-gateway-statistics-calls-by-server>—Show border signaling gateway calls statistics grouped by server

---

### <get-service-border-signaling-gateway-statistics-calls-by-server>

---

**Usage**

```
<rpc>
  <get-service-border-signaling-gateway-statistics-calls-by-server>
```

```

    <server-name>server-name</server-name>
    <gateway>gateway</gateway> <!-- mandatory -->
    <master/>
    <backup/>
  </get-service-border-signaling-gateway-statistics-calls-by-server>
</rpc>

```

**Description** Show border signaling gateway calls statistics grouped by server

**Contents**

- <server-name>—Server name
- <gateway>—Name of border signaling gateway
- <master>—Query the master border signaling gateway (default)
- <backup>—Query the backup border signaling gateway

### <get-service-border-signaling-gateway-statistics-calls-by-sp>

#### Usage

```

<rpc>
  <get-service-border-signaling-gateway-statistics-calls-by-sp>
    <service-point-name>service-point-name</service-point-name>
    <gateway>gateway</gateway> <!-- mandatory -->
    <master/>
    <backup/>
  </get-service-border-signaling-gateway-statistics-calls-by-sp>
</rpc>

```

**Description** Show border signaling gateway calls statistics grouped by service-point

**Contents**

- <service-point-name>—Service point name or prefix
- <gateway>—Name of border signaling gateway
- <master>—Query the master border signaling gateway (default)
- <backup>—Query the backup border signaling gateway

### <get-service-border-signaling-gateway-statistics-calls-duration-by-server>

#### Usage

```

<rpc>
  <get-service-border-signaling-gateway-statistics-calls-duration-by-server>
    <server-name>server-name</server-name>
    <gateway>gateway</gateway> <!-- mandatory -->
    <master/>
    <backup/>
  </get-service-border-signaling-gateway-statistics-calls-duration-by-server>

```

```
</rpc>
```

**Description** Show border signaling gateway calls duration statistics grouped by server

**Contents**

- <server-name>—Server name
- <gateway>—Name of border signaling gateway
- <master>—Query the master border signaling gateway (default)
- <backup>—Query the backup border signaling gateway

---

### <get-service-border-signaling-gateway-statistics-calls-duration-by-sp>

---

**Usage**

```
<rpc>  
  <get-service-border-signaling-gateway-statistics-calls-duration-by-sp>  
    <service-point-name>service-point-name</service-point-name>  
    <gateway>gateway</gateway> <!-- mandatory -->  
    <master/>  
    <backup/>  
  </get-service-border-signaling-gateway-statistics-calls-duration-by-sp>  
</rpc>
```

**Description** Show border signaling gateway calls duration statistics grouped by service-point

**Contents**

- <service-point-name>—Service point name or prefix
- <gateway>—Name of border signaling gateway
- <master>—Query the master border signaling gateway (default)
- <backup>—Query the backup border signaling gateway

---

### <get-service-border-signaling-gateway-statistics-calls-failed>

---

**Usage**

```
<rpc>  
  <get-service-border-signaling-gateway-statistics-calls-failed>  
  </get-service-border-signaling-gateway-statistics-calls-failed>  
</rpc>
```

**Description** Show border signaling gateway failed calls statistics

**Contents** <get-service-border-signaling-gateway-statistics-failed-calls-by-sp>—Show border signaling gateway failed calls statistics grouped by service-point

`<get-service-border-signaling-gateway-statistics-failed-calls-by-server>`—Show border signaling gateway failed calls statistics grouped by server

## `<get-service-border-signaling-gateway-statistics-failed-calls-by-server>`

### Usage

```
<rpc>
  <get-service-border-signaling-gateway-statistics-failed-calls-by-server>
    <server-name>server-name</server-name>
    <gateway>gateway</gateway> <!-- mandatory -->
    <master/>
    <backup/>
  </get-service-border-signaling-gateway-statistics-failed-calls-by-server>
</rpc>
```

**Description** Show border signaling gateway failed calls statistics grouped by server

**Contents** `<server-name>`—Server name

`<gateway>`—Name of border signaling gateway

`<master>`—Query the master border signaling gateway (default)

`<backup>`—Query the backup border signaling gateway

## `<get-service-border-signaling-gateway-statistics-failed-calls-by-sp>`

### Usage

```
<rpc>
  <get-service-border-signaling-gateway-statistics-failed-calls-by-sp>
    <service-point-name>service-point-name</service-point-name>
    <gateway>gateway</gateway> <!-- mandatory -->
    <master/>
    <backup/>
  </get-service-border-signaling-gateway-statistics-failed-calls-by-sp>
</rpc>
```

**Description** Show border signaling gateway failed calls statistics grouped by service-point

**Contents** `<service-point-name>`—Service point name or prefix

`<gateway>`—Name of border signaling gateway

`<master>`—Query the master border signaling gateway (default)

`<backup>`—Query the backup border signaling gateway

## <get-service-bsg-denied-messages>

---

**Usage**

```
<rpc>
  <get-service-bsg-denied-messages>
    <gateway>gateway</gateway> <!-- mandatory -->
    <master/>
    <backup/>
  </get-service-bsg-denied-messages>
</rpc>
```

**Description** Show information about dropped messages

**Contents** <gateway>—Name of border signaling gateway

<master>—Query the master border signaling gateway (default)

<backup>—Query the backup border signaling gateway

## <get-service-bsg-information-by-call-context-id>

---

**Usage**

```
<rpc>
  <get-service-bsg-information-by-call-context-id>
    <gateway>gateway</gateway> <!-- mandatory -->
    <context-id>context-id</context-id>
    <brief/>
    <detail/>
    <master/>
    <backup/>
  </get-service-bsg-information-by-call-context-id>
</rpc>
```

**Description** Show border signaling gateway information by call context ID

**Contents** <gateway>—Name of border signaling gateway

<context-id>—Call context ID

<brief>—Display brief output (default)

<detail>—Display detailed output

<master>—Query the master border signaling gateway (default)

<backup>—Query the backup border signaling gateway

## <get-service-bsg-registrations>

### Usage

```

<rpc>
  <get-service-bsg-registrations>
    <gateway>gateway</gateway> <!-- mandatory -->
    <master/>
    <backup/>
  </get-service-bsg-registrations>
</rpc>

```

**Description** Show border signaling gateway registrations statistics

**Contents**

- <gateway>—Name of border signaling gateway
- <get-service-bsg-registrations-statistics>—Show registration statistics
- <get-service-bsg-registrations-realm-statistics>—Realm statistics
- <master>—Query the master border signaling gateway (default)
- <backup>—Query the backup border signaling gateway

## <get-service-bsg-registrations-realm-statistics>

### Usage

```

<rpc>
  <get-service-bsg-registrations-realm-statistics>
    <gateway>gateway</gateway> <!-- mandatory -->
    <master/>
    <backup/>
    <realm-name>realm-name</realm-name>
  </get-service-bsg-registrations-realm-statistics>
</rpc>

```

**Description** Realm statistics

**Contents**

- <gateway>—Name of border signaling gateway
- <master>—Query the master border signaling gateway (default)
- <backup>—Query the backup border signaling gateway
- <realm-name>—

## <get-service-bsg-registrations-statistics>

### Usage

```

<rpc>

```

```
<get-service-bsg-registrations-statistics>
  <gateway>gateway</gateway> <!-- mandatory -->
  <master/>
  <backup/>
</get-service-bsg-registrations-statistics>
</rpc>
```

**Description** Show registration statistics

**Contents** <gateway>—Name of border signaling gateway

<master>—Query the master border signaling gateway (default)

<backup>—Query the backup border signaling gateway

---

## <get-service-bsg-status-information>

### Usage

```
<rpc>
  <get-service-bsg-status-information>
  <gateway>gateway</gateway> <!-- mandatory -->
  <brief/>
  <detail/>
  <master/>
  <backup/>
</get-service-bsg-status-information>
</rpc>
```

**Description** Show border signaling gateway status information

**Contents** <gateway>—Name of border signaling gateway

<brief>—Display brief output (default)

<detail>—Display detailed output

<master>—Query the master border signaling gateway (default)

<backup>—Query the backup border signaling gateway

---

## <get-service-cos-diffserv-statistics>

### Usage

```
<rpc>
  <get-service-cos-diffserv-statistics>
  <brief/>
  <detail/>
  <extensive/>
  <summary/>
</get-service-cos-diffserv-statistics>
```



</rpc>

- Description** Show Diffserv marking statistics
- Contents**
- <brief>—Display brief output (default)
  - <detail>—Display detailed output
  - <extensive>—Display extensive output
  - <summary>—Display summary output

---

### <get-service-cos-forwarding-class-statistics>

---

**Usage**

```
<rpc>  
  <get-service-cos-forwarding-class-statistics>  
    <brief/>  
    <detail/>  
    <extensive/>  
    <summary/>  
  </get-service-cos-forwarding-class-statistics>  
</rpc>
```

- Description** Show forwarding Class statistics
- Contents**
- <brief>—Display brief output (default)
  - <detail>—Display detailed output
  - <extensive>—Display extensive output
  - <summary>—Display summary output

---

### <get-service-cos-statistics-information>

---

**Usage**

```
<rpc>  
  <get-service-cos-statistics-information>  
    <brief/>  
    <detail/>  
    <extensive/>  
    <summary/>  
    <service-set>service-set</service-set>  
    <interface>interface</interface>  
  </get-service-cos-statistics-information>  
</rpc>
```

- Description** Show statistics

**Contents**    <brief>—Display brief output (default)  
                 <detail>—Display detailed output  
                 <extensive>—Display extensive output  
                 <summary>—Display summary output  
                 <service-set>—Name of service set  
                 <interface>—Name of adaptive services interface  
                 <get-service-cos-diffserv-statistics>—Show Diffserv marking statistics  
                 <get-service-cos-forwarding-class-statistics>—Show forwarding Class statistics

---

### <get-service-crtip-extensive-information>

---

**Usage**

```
<rpc>
  <get-service-crtip-extensive-information>
    <interface>interface</interface>
  </get-service-crtip-extensive-information>
</rpc>
```

**Description**    Show CRTIP extensive output

**Contents**    <interface>—Name of link services interface

---

### <get-service-crtip-flow-table-information>

---

**Usage**

```
<rpc>
  <get-service-crtip-flow-table-information>
    <interface>interface</interface>
  </get-service-crtip-flow-table-information>
</rpc>
```

**Description**    Show CRTIP flow table entries

**Contents**    <interface>—Name of link services interface

---

### <get-service-crtip-params-information>

---

**Usage**

```
<rpc>
  <get-service-crtip-params-information>
    <interface>interface</interface>
  </get-service-crtip-params-information>
```

</rpc>

**Description** Show Compressed Real-Time Protocol information

**Contents** <interface>—Name of link services interface

<get-service-crtp-extensive-information>—Show CRTP extensive output

<get-service-crtp-flow-table-information>—Show CRTP flow table entries

---

### <get-service-deployment-service-information>

---

**Usage**

```
<rpc>
  <get-service-deployment-service-information/>
</rpc>
```

**Description** Show service deployment service information

---

### <get-service-flow-analysis-information>

---

**Usage**

```
<rpc>
  <get-service-flow-analysis-information>
    <interface>interface</interface>
  </get-service-flow-analysis-information>
</rpc>
```

**Description** Show flow table entries

**Contents** <interface>—Name of adaptive services interface

---

### <get-service-identification-statistics-information>

---

**Usage**

```
<rpc>
  <get-service-identification-statistics-information>
    <detail/>
  </get-service-identification-statistics-information>
</rpc>
```

**Description** Show service identification statistics

**Contents** <detail>—Display detailed statistics

## <get-service-ids-destination-table-information>

---

### Usage

```
<rpc>
  <get-service-ids-destination-table-information>
    <destination-prefix>destination-prefix</destination-prefix>
    <service-set>service-set</service-set>
    <interface>interface</interface>
    <order>order</order>
    <threshold>threshold</threshold>
    <limit>limit</limit>
    <extensive/>
    <brief/>
    <terse/>
  </get-service-ids-destination-table-information>
</rpc>
```

**Description** Show attack destination address table

- Contents**
- <destination-prefix>—Destination prefix to use as filter
    - anomalies - Order by number of anomalies (default)
    - bytes - Order by bytes received
    - flows - Order by number of flows
    - packets - Order by packets received
  - <service-set>—Name of service set
    - anomalies - Order by number of anomalies (default)
    - bytes - Order by bytes received
    - flows - Order by number of flows
    - packets - Order by packets received
  - <interface>—Name of adaptive services interface
    - anomalies - Order by number of anomalies (default)
    - bytes - Order by bytes received
    - flows - Order by number of flows
    - packets - Order by packets received
  - <order>—Specify table ordering criteria
    - anomalies - Order by number of anomalies (default)
    - bytes - Order by bytes received

- flows - Order by number of flows
- packets - Order by packets received

<threshold>—Minimum threshold for table entries

<limit>—Maximum number of entries to display

<extensive>—Display extensive output

<brief>—Display brief output (default)

<terse>—Display terse output

## <get-service-ids-pair-table-information>

### Usage

```
<rpc>
  <get-service-ids-pair-table-information>
    <source-prefix>source-prefix</source-prefix>
    <destination-prefix>destination-prefix</destination-prefix>
    <service-set>service-set</service-set>
    <interface>interface</interface>
    <order>order</order>
    <threshold>threshold</threshold>
    <limit>limit</limit>
    <extensive/>
    <brief/>
    <terse/>
  </get-service-ids-pair-table-information>
</rpc>
```

**Description** Show attack source and destination address pair table

**Contents** <source-prefix>—Source prefix to use as filter

- anomalies - Order by number of anomalies (default)
- bytes - Order by bytes received
- flows - Order by number of flows
- packets - Order by packets received

<destination-prefix>—Destination prefix to use as filter

- anomalies - Order by number of anomalies (default)
- bytes - Order by bytes received
- flows - Order by number of flows
- packets - Order by packets received

<service-set>—Name of service set

- anomalies - Order by number of anomalies (default)
- bytes - Order by bytes received
- flows - Order by number of flows
- packets - Order by packets received

<interface>—Name of adaptive services interface

- anomalies - Order by number of anomalies (default)
- bytes - Order by bytes received
- flows - Order by number of flows
- packets - Order by packets received

<order>—Specify table ordering criteria

- anomalies - Order by number of anomalies (default)
- bytes - Order by bytes received
- flows - Order by number of flows
- packets - Order by packets received

<threshold>—Minimum threshold for table entries

<limit>—Maximum number of entries to display

<extensive>—Display extensive output

<brief>—Display brief output (default)

<terse>—Display terse output

---

## <get-service-ids-source-table-information>

---

### Usage

```
<rpc>
  <get-service-ids-source-table-information>
    <source-prefix>source-prefix</source-prefix>
    <service-set>service-set</service-set>
    <interface>interface</interface>
    <order>order</order>
    <threshold>threshold</threshold>
    <limit>limit</limit>
    <extensive/>
    <brief/>
    <terse/>
  </get-service-ids-source-table-information>
</rpc>
```

**Description** Show attack source address table

**Contents** <source-prefix>—Source prefix to use as filter

- anomalies - Order by number of anomalies (default)
- bytes - Order by bytes received
- flows - Order by number of flows
- packets - Order by packets received

<service-set>—Name of service set

- anomalies - Order by number of anomalies (default)
- bytes - Order by bytes received
- flows - Order by number of flows
- packets - Order by packets received

<interface>—Name of adaptive services interface

- anomalies - Order by number of anomalies (default)
- bytes - Order by bytes received
- flows - Order by number of flows
- packets - Order by packets received

<order>—Specify table ordering criteria

- anomalies - Order by number of anomalies (default)
- bytes - Order by bytes received
- flows - Order by number of flows
- packets - Order by packets received

<threshold>—Minimum threshold for table entries

<limit>—Maximum number of entries to display

<extensive>—Display extensive output

<brief>—Display brief output (default)

<terse>—Display terse output

---

## <get-service-msp-alg-conversation-information>

---

### Usage

```
<rpc>  
<get-service-msp-alg-conversation-information>  
<interface>interface</interface>
```

```
<application-protocol>application-protocol</application-protocol>
<extensive/>
<brief/>
</get-service-msp-alg-conversation-information>
</rpc>
```

**Description** Show alg conversations

**Contents** <interface>—Name of extension provider interface

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC



- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<application-protocol>—Application protocol type to use as filter

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA

- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<extensive>—Display extensive output

<brief>—Display brief output (default)

---

## <get-service-msp-alg-stats-information>

---

### Usage

```
<rpc>
  <get-service-msp-alg-stats-information>
    <interface>interface</interface>
    <application-protocol>application-protocol</application-protocol>
  </get-service-msp-alg-stats-information>
</rpc>
```

**Description** Show ALG Statistics

**Contents** <interface>—Name of extension provider interface

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol

- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<application-protocol>—Application protocol type to use as filter

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow

- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

---

## <get-service-msp-flow-table-information>

### Usage

```
<rpc>
  <get-service-msp-flow-table-information>
    <all/>
    <limit>limit</limit>
    <extensive/>
    <brief/>
    <terse/>
    <source-prefix>source-prefix</source-prefix>
    <destination-prefix>destination-prefix</destination-prefix>
    <source-port>source-port</source-port>
    <destination-port>destination-port</destination-port>
    <protocol>protocol</protocol>
    <service-set>service-set</service-set>
    <interface>interface</interface>
    <application-protocol>application-protocol</application-protocol>
    <get-service-sfw-flow-count-information/>
  </get-service-msp-flow-table-information>
</rpc>
```

**Description** Show flow table entries

**Contents** <all>—Display all the entries

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP

- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<limit>—Maximum number of entries to display

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol

- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS



- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<extensive>—Display extensive output

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol

- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP

- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<brief>—Display brief output (default)

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol

- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<terse>—Display terse output

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
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- number - Numeric protocol value (0 .. 255)
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- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
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- rsh - Remote Shell
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<source-prefix>—Source prefix to use as filter

- icmp - Internet Control Message Protocol
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- ipip - IP in IP
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- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
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- ras - RAS
- realaudio - RealAudio
- rpc - RPC

- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
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- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
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<destination-prefix>—Destination prefix to use as filter

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- ipip - IP in IP
- tcp - Transmission Control Protocol
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- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap



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- exec - Remote Execution Protocol
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- gprs-gtp-c - GPRS Tunneling Control Plane
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- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
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- traceroute - Traceroute
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<source-port>—Source port to use as filter

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- pim - Protocol Independent Multicast
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- exec - Remote Execution Protocol
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- gprs-gtp-v0 - GPRS Tunneling Version 0
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- rsh - Remote Shell
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- shell - Shell
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- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<destination-port>—Destination port to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP

- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
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- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
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- mgcp-ca - MGCP-CA
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- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<protocol>—IP protocol type to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First

- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol

- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<service-set>—Name of service set

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS

- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
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- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<interface>—Name of extension provider interface

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP



- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
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- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
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- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<application-protocol>—Application protocol type to use as filter

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap

- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
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<get-service-sfw-flow-count-information>—Show count of matching entries

---

### <get-service-nat-ipv6-multicast-information>

---

#### Usage

```
<rpc>
  <get-service-nat-ipv6-multicast-information>
</get-service-nat-ipv6-multicast-information>
</rpc>
```

**Description** Show interfaces with IPv6 multicast filter

#### Contents

---

### <get-service-nat-mapping-brief>

---

#### Usage

```
<rpc>
  <get-service-nat-mapping-brief>
    <pool-name>pool-name</pool-name>
  </get-service-nat-mapping-brief>
</rpc>
```

**Description** Show NAT mapping brief

**Contents** <pool-name>—Name of pool

---

### <get-service-nat-mapping-detail>

---

#### Usage

```
<rpc>
  <get-service-nat-mapping-detail>
    <pool-name>pool-name</pool-name>
  </get-service-nat-mapping-detail>
</rpc>
```

**Description** Show NAT mapping detail

**Contents**    <pool-name>—Name of pool

---

## <get-service-nat-mapping-summary>

---

### Usage

```
<rpc>
  <get-service-nat-mapping-summary/>
</rpc>
```

**Description**    Show NAT mapping summary

---

## <get-service-nat-pool-information>

---

### Usage

```
<rpc>
  <get-service-nat-pool-information>
    <pool-name>pool-name</pool-name>
    <brief/>
    <detail/>
  </get-service-nat-pool-information>
</rpc>
```

**Description**    Show NAT pools information

**Contents**    <pool-name>—Name of pool

              <brief>—Display brief output (default)

              <detail>—Display detailed output

---

## <get-service-nat-statistics-information>

---

### Usage

```
<rpc>
  <get-service-nat-statistics-information>
    <interface>interface</interface>
  </get-service-nat-statistics-information>
</rpc>
```

**Description**    Show NAT statistics

**Contents**    <interface>—Name of extension provider interface

## <get-service-pgcp-active-configuration-gateway>

### Usage

```

<rpc>
  <get-service-pgcp-active-configuration-gateway>
    <gateway-name>gateway-name</gateway-name> <!-- mandatory -->
    <master/>
    <backup/>
  </get-service-pgcp-active-configuration-gateway>
</rpc>

```

**Description** Show gateway active configuration

**Contents** <gateway-name>—Gateway name

<master>—Query the master RE or ms-pic (default)

<backup>—Query the backup ms-pic

## <get-service-pgcp-conversation-information>

### Usage

```

<rpc>
  <get-service-pgcp-conversation-information>
  </get-service-pgcp-conversation-information>
</rpc>

```

**Description** Show PGCP conversations

**Contents** <get-service-pgcp-conversation-information-gateway>—Show PGCP conversations for gateway

## <get-service-pgcp-conversation-information-gateway>

### Usage

```

<rpc>
  <get-service-pgcp-conversation-information-gateway>
    <gateway-name>gateway-name</gateway-name> <!-- mandatory -->
    <service-set>service-set</service-set>
    <source-prefix>source-prefix</source-prefix>
    <destination-prefix>destination-prefix</destination-prefix>
    <source-port>source-port</source-port>
    <destination-port>destination-port</destination-port>
    <source-routing-instance>source-routing-instance</source-routing-instance>
    <destination-routing-instance>destination-routing-instance</destination-routing-instance>

    <protocol>protocol</protocol>
  </get-service-pgcp-conversation-information-gateway>
</rpc>

```

```
<extensive/>
<backup-data-pic/>
<master/>
<backup/>
</get-service-pgcp-conversation-information-gateway>
</rpc>
```

**Description** Show PGCP conversations for gateway

**Contents** <gateway-name>—Gateway name

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
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- icmp6 - Internet Control Message Protocol Version 6
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- pim - Protocol Independent Multicast
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- number - Numeric protocol value (0 .. 255)

<service-set>—Name of service set

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- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

<source-prefix>—Source prefix to use as filter

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- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

<destination-prefix>—Destination prefix to use as filter

- icmp - Internet Control Message Protocol
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<source-port>—Source port to use as filter

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- rsvp - Resource Reservation Protocol
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- esp - IPSec Encapsulating Security Payload
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- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

<source-routing-instance>—Source routing-instance

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

<destination-routing-instance>—Destination routing-instance

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header

- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

<protocol>—IP protocol type to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

<brief>—Display brief output

<extensive>—Display extensive output

<backup-data-pic>—Show conversations information by querying the backup Data-PIC

<master>—Query the master RE or ms-pic (default)

<backup>—Query the backup ms-pic

---

## <get-service-pgcp-flow-table-information>

---

### Usage

```
<rpc>
  <get-service-pgcp-flow-table-information>
</get-service-pgcp-flow-table-information>
</rpc>
```

**Description** Show PGCP flow table entries

**Contents** <get-service-pgcp-flow-table-information-gateway>—Show packet-gateway-control-protocol information for gateway

## <get-service-pgcp-flow-table-information-gateway>

### Usage

```
<rpc>
  <get-service-pgcp-flow-table-information-gateway>
    <gateway-name>gateway-name</gateway-name> <!-- mandatory -->
    <gate-id>gate-id</gate-id>
    <service-set>service-set</service-set>
    <source-prefix>source-prefix</source-prefix>
    <destination-prefix>destination-prefix</destination-prefix>
    <source-port>source-port</source-port>
    <destination-port>destination-port</destination-port>
    <source-routing-instance>source-routing-instance</source-routing-instance>
    <destination-routing-instance>destination-routing-instance</destination-routing-instance>

    <protocol>protocol</protocol>
    <get-service-pgcp-flow-count-information/>
    <brief/>
    <extensive/>
    <backup-data-pic/>
    <master/>
    <backup/>
  </get-service-pgcp-flow-table-information-gateway>
</rpc>
```

**Description** Show packet-gateway-control-protocol information for gateway

**Contents** <gateway-name>—Gateway name

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6

- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

<gate-id>—Gate id

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

<service-set>—Name of service set

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6

- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

<source-prefix>—Source prefix to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

<destination-prefix>—Destination prefix to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6

- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

<source-port>—Source port to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

<destination-port>—Destination port to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6

- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

<source-routing-instance>—Source routing-instance

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

<destination-routing-instance>—Destination routing-instance

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6

- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

<protocol>—IP protocol type to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

<get-service-pgcp-flow-count-information>—Show count of matching entries

<brief>—Display brief output

<extensive>—Display extensive output

<backup-data-pic>—Show flows table by querying the backup Data-PIC

<master>—Query the master RE or ms-pic (default)

<backup>—Query the backup ms-pic

---

## <get-service-pgcp-gate>

---

### Usage

```
<rpc>  
  <get-service-pgcp-gate>  
</get-service-pgcp-gate>
```



```
</rpc>
```

**Description** Show gate according to gate-id

**Contents** <get-service-pgcp-gate-gateway>—Show gate for gateway

### <get-service-pgcp-gate-gateway>

---

**Usage**

```
<rpc>
  <get-service-pgcp-gate-gateway>
    <gateway-name>gateway-name</gateway-name> <!-- mandatory -->
    <gate-id>gate-id</gate-id> <!-- mandatory -->
    <extensive/>
    <brief/>
    <statistics/>
    <session-mirroring/>
    <master/>
    <backup/>
  </get-service-pgcp-gate-gateway>
</rpc>
```

**Description** Show gate for gateway

**Contents** <gateway-name>—Gateway name

<gate-id>—Gate id

<extensive>—Display extensive output

<brief>—Display brief output (default)

<statistics>—Display statistics for gate

<session-mirroring>—Display session mirroring for gate

<master>—Query the master RE or ms-pic (default)

<backup>—Query the backup ms-pic

### <get-service-pgcp-gates>

---

**Usage**

```
<rpc>
  <get-service-pgcp-gates>
  </get-service-pgcp-gates>
</rpc>
```

**Description** Show list of gates

**Contents**    <get-service-pgcp-gates-gateway>—Show all gates for gateway

## <get-service-pgcp-gates-gateway>

---

### Usage

```
<rpc>
  <get-service-pgcp-gates-gateway>
    <gateway-name>gateway-name</gateway-name> <!-- mandatory -->
    <extensive/>
    <brief/>
    <count/>
    <source-routing-instance>source-routing-instance</source-routing-instance>

    <destination-routing-instance>destination-routing-instance</destination-routing-instance>

    <master/>
    <backup/>
  </get-service-pgcp-gates-gateway>
</rpc>
```

**Description**    Show all gates for gateway

**Contents**    <gateway-name>—Gateway name

              <extensive>—Display extensive output

              <brief>—Display brief output (default)

              <count>—Show count of matching entries

              <source-routing-instance>—Source routing-instance

              <destination-routing-instance>—Destination routing-instance

              <master>—Query the master RE or ms-pic (default)

              <backup>—Query the backup ms-pic

## <get-service-pgcp-statistics>

---

### Usage

```
<rpc>
  <get-service-pgcp-statistics>
</get-service-pgcp-statistics>
</rpc>
```

**Description**    Show pgcpd statistics

**Contents**    <get-service-pgcp-statistics-gateway>—Show gateway statistics

## <get-service-pgcp-statistics-gateway>

---

**Usage**

```

<rpc>
  <get-service-pgcp-statistics-gateway>
    <gateway-name>gateway-name</gateway-name> <!-- mandatory -->
    <brief/>
    <extensive/>
    <virtual-interface>virtual-interface</virtual-interface>
    <master/>
    <backup/>
  </get-service-pgcp-statistics-gateway>
</rpc>

```

**Description** Show gateway statistics

**Contents**

- <gateway-name>—Gateway name
- <brief>—Display brief output (default)
- <extensive>—Display extensive output
- <virtual-interface>—Virtual interface name
- <master>—Query the master RE or ms-pic (default)
- <backup>—Query the backup ms-pic

## <get-service-pgcp-terminations>

---

**Usage**

```

<rpc>
  <get-service-pgcp-terminations>
  </get-service-pgcp-terminations>
</rpc>

```

**Description** Show list of terminations

**Contents** <get-service-pgcp-terminations-gateway>—Show list of terminations for gateway

## <get-service-pgcp-terminations-gateway>

---

**Usage**

```

<rpc>
  <get-service-pgcp-terminations-gateway>
    <gateway-name>gateway-name</gateway-name> <!-- mandatory -->
    <termination-prefix>termination-prefix</termination-prefix>
    <h248/>
    <brief/>

```

```
<count/>
<master/>
<backup/>
</get-service-pgcp-terminations-gateway>
</rpc>
```

**Description** Show list of terminations for gateway

**Contents** <gateway-name>—Gateway name

<termination-prefix>—Termination-prefix to use as filter, default \* (all)

<h248>—Display H248 output format

<brief>—Display brief output (default)

<count>—Show count of matching entries

<master>—Query the master RE or ms-pic (default)

<backup>—Query the backup ms-pic

---

## <get-service-set-cpu-statistics>

---

### Usage

```
<rpc>
<get-service-set-cpu-statistics>
  <service-set>service-set</service-set>
  <interface>interface</interface>
</get-service-set-cpu-statistics>
</rpc>
```

**Description** Show service interface CPU utilization as a percentage

**Contents** <service-set>—Name of service set

<interface>—Name of adaptive services interface

---

## <get-service-set-memory-statistics>

---

### Usage

```
<rpc>
<get-service-set-memory-statistics>
  <service-set>service-set</service-set>
  <interface>interface</interface>
</get-service-set-memory-statistics>
</rpc>
```

**Description** Show service interface memory utilization

**Contents**    <service-set>—Name of service set  
                 <interface>—Name of adaptive services interface  
                 <zone>—Show current memory usage zone

---

### <get-service-set-packet-drop-statistics>

---

**Usage**

```
<rpc>
  <get-service-set-packet-drop-statistics>
    <interface>interface</interface>
  </get-service-set-packet-drop-statistics>
</rpc>
```

**Description**    Show service set packet drop statistics

**Contents**    <interface>—Name of adaptive services interface

---

### <get-service-set-plugin-summary>

---

**Usage**

```
<rpc>
  <get-service-set-plugin-summary>
    <interface>interface</interface>
  </get-service-set-plugin-summary>
</rpc>
```

**Description**    Show service set plugins summary

**Contents**    <interface>—Name of extension provider interface

---

### <get-service-set-summary-information>

---

**Usage**

```
<rpc>
  <get-service-set-summary-information>
    <interface>interface</interface>
  </get-service-set-summary-information>
</rpc>
```

**Description**    Show service set summary information

**Contents**    <interface>—Name of adaptive services interface

## <get-service-set-syslog-statistics>

---

**Usage**

```
<rpc>
  <get-service-set-syslog-statistics>
    <service-set>service-set</service-set>
    <interface>interface</interface>
    <brief/>
    <detail/>
  </get-service-set-syslog-statistics>
</rpc>
```

**Description** Show service set syslog statistics

**Contents** <service-set>—Name of service set

<interface>—Name of adaptive services interface

<brief>—Display brief output (default)

<detail>—Display detailed output

## <get-service-set-tcp-mss-statistics>

---

**Usage**

```
<rpc>
  <get-service-set-tcp-mss-statistics>
    <interface>interface</interface>
  </get-service-set-tcp-mss-statistics>
</rpc>
```

**Description** Show service set TCP MSS statistics

**Contents** <interface>—Name of adaptive services interface

## <get-service-sfw-conversation-information>

---

**Usage**

```
<rpc>
  <get-service-sfw-conversation-information>
    <all/>
    <limit>limit</limit>
    <extensive/>
    <brief/>
    <terse/>
    <source-prefix>source-prefix</source-prefix>
    <destination-prefix>destination-prefix</destination-prefix>
    <source-port>source-port</source-port>
    <destination-port>destination-port</destination-port>
```

```
<protocol>protocol</protocol>
<application-protocol>application-protocol</application-protocol>
<service-set>service-set</service-set>
<interface>interface</interface>
<pgcp/>
</get-service-sfw-conversation-information>
</rpc>
```

**Description** Show conversations

**Contents** <all>—Display all the entries

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol

- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<limit>—Maximum number of entries to display



- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA

- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<extensive>—Display extensive output

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload

- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC

- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<brief>—Display brief output (default)

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap

- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2

- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<terse>—Display terse output

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP

- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<source-prefix>—Source prefix to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP

- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS



- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<destination-prefix>—Destination prefix to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First

- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
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- sip - Session Initiation Protocol
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<source-port>—Source port to use as filter

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- igmp - Internet Group Management Protocol
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- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol

- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iioip - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
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- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
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- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
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- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol

- traceroute - Traceroute
- winframe - WinFrame

<destination-port>—Destination port to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
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- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
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- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<protocol>—IP protocol type to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol

- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
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- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931

- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<application-protocol>—Application protocol type to use as filter

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT



- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<service-set>—Name of service set

<interface>—Name of adaptive services interface

<pgcp>—Use pgcp flow type as filter

---

### <get-service-sfw-flow-table-information>

---

#### Usage

<rpc>

```
<get-service-sfw-flow-table-information>
  <all/>
  <limit>limit</limit>
  <extensive/>
  <brief/>
  <terse/>
  <source-prefix>source-prefix</source-prefix>
  <destination-prefix>destination-prefix</destination-prefix>
  <source-port>source-port</source-port>
  <destination-port>destination-port</destination-port>
  <protocol>protocol</protocol>
  <application-protocol>application-protocol</application-protocol>
  <service-set>service-set</service-set>
  <interface>interface</interface>
  <pgcp/>
  <get-service-sfw-flow-count-information/>
</get-service-sfw-flow-table-information>
</rpc>
```

**Description** Show flow table entries

**Contents** <all>—Display all the entries

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service

- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC

- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<limit>—Maximum number of entries to display

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type

- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
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- rsh - Remote Shell
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- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<extensive>—Display extensive output

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol

- `egp` - Exterior gateway protocol
- `udp` - User Datagram Protocol
- `rsvp` - Resource Reservation Protocol
- `gre` - Generic routing encapsulation
- `esp` - IPSec Encapsulating Security Payload
- `ah` - IP Security authentication header
- `icmp6` - Internet Control Message Protocol Version 6
- `ospf` - Open Shortest Path First
- `pim` - Protocol Independent Multicast
- `sctp` - Stream Control Transmission Protocol
- `number` - Numeric protocol value (0 .. 255)
- `bootp` - Bootstrap protocol
- `dce-rpc` - DCE RPC
- `dce-rpc-portmap` - DCE RPC portmap
- `dns` - Domain Name Service
- `exec` - Remote Execution Protocol
- `ftp` - File Transfer Protocol
- `gprs-gtp-c` - GPRS Tunneling Control Plane
- `gprs-gtp-u` - GPRS Tunneling User Plane
- `gprs-gtp-v0` - GPRS Tunneling Version 0
- `gprs-sctp` - GPRS Stream Control Protocol
- `h323` - H.323
- `icmp` - ICMP
- `ignore` - Ignore application type
- `iiop` - Internet Inter-ORB Protocol
- `ike-esp-nat` - IKE/ESP with NAT
- `ip` - IP
- `login` - Login
- `mgcp-ca` - MGCP-CA
- `mgcp-ua` - MGCP-UA
- `ms-rpc` - Microsoft RPC
- `netbios` - NetBIOS
- `netshow` - NetShow

- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
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- sip - Session Initiation Protocol
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- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<brief>—Display brief output (default)

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
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- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
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- pim - Protocol Independent Multicast

- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
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- mgcp-ca - MGCP-CA
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- netbios - NetBIOS
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- pptp - Point-to-Point Tunneling Protocol
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- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
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- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<terse>—Display terse output

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
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- egp - Exterior gateway protocol
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<source-prefix>—Source prefix to use as filter

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- traceroute - Traceroute
- winframe - WinFrame

<destination-prefix>—Destination prefix to use as filter

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- ipip - IP in IP
- tcp - Transmission Control Protocol
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- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931

- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<source-port>—Source port to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell

- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<destination-port>—Destination port to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0



- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<protocol>—IP protocol type to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA

- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<application-protocol>—Application protocol type to use as filter

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0

- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
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- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<service-set>—Name of service set

<interface>—Name of adaptive services interface

<pgcp>—Use pgcp flow type as filter

<get-service-sfw-flow-count-information>—Show count of matching entries

## <get-service-sfw-redundancy-statistics>

### Usage

```
<rpc>
  <get-service-sfw-redundancy-statistics>
    <backup-data-pic/>
    <extensive/>
    <brief/>
  </get-service-sfw-redundancy-statistics>
</rpc>
```

**Description** Show redundancy statistics

**Contents** <backup-data-pic>—Query the backup data PIC

<extensive>—Display extensive output

<brief>—Display brief output (default)

## <get-service-sfw-sip-call-information>

### Usage

```
<rpc>
  <get-service-sfw-sip-call-information>
    <all/>
    <limit>limit</limit>
    <extensive/>
    <brief/>
    <terse/>
    <source-prefix>source-prefix</source-prefix>
    <destination-prefix>destination-prefix</destination-prefix>
    <source-port>source-port</source-port>
    <destination-port>destination-port</destination-port>
    <protocol>protocol</protocol>
    <application-protocol>application-protocol</application-protocol>
    <service-set>service-set</service-set>
    <interface>interface</interface>
    <get-service-sfw-sip-call-count-information/>
  </get-service-sfw-sip-call-information>
</rpc>
```

**Description** Show SIP call information

**Contents** <all>—Display all the entries

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA

- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<limit>—Maximum number of entries to display

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload

- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC



- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<extensive>—Display extensive output

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap

- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2

- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<brief>—Display brief output (default)

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP

- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<terse>—Display terse output

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP

- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS

- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<source-prefix>—Source prefix to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First

- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol

- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<destination-prefix>—Destination prefix to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol



- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol

- traceroute - Traceroute
- winframe - WinFrame

<source-port>—Source port to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT

- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<destination-port>—Destination port to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol

- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931

- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<protocol>—IP protocol type to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell

- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<application-protocol>—Application protocol type to use as filter

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
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- winframe - WinFrame

<service-set>—Name of service set

<interface>—Name of adaptive services interface

<get-service-sfw-sip-call-count-information>—Show count of matching entries

---

## <get-service-sfw-sip-register-information>

---

### Usage

```
<rpc>
  <get-service-sfw-sip-register-information>
    <all/>
    <limit>limit</limit>
    <extensive/>
    <brief/>
    <terse/>
    <source-prefix>source-prefix</source-prefix>
    <destination-prefix>destination-prefix</destination-prefix>
    <source-port>source-port</source-port>
    <destination-port>destination-port</destination-port>
    <protocol>protocol</protocol>
    <application-protocol>application-protocol</application-protocol>
    <service-set>service-set</service-set>
    <interface>interface</interface>
    <get-service-sfw-sip-register-count-information/>
```



```
</get-service-sfw-sip-register-information>  
</rpc>
```

**Description** Show SIP register information

**Contents** <all>—Display all the entries

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type

- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<limit>—Maximum number of entries to display

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol

- `egp` - Exterior gateway protocol
- `udp` - User Datagram Protocol
- `rsvp` - Resource Reservation Protocol
- `gre` - Generic routing encapsulation
- `esp` - IPSec Encapsulating Security Payload
- `ah` - IP Security authentication header
- `icmp6` - Internet Control Message Protocol Version 6
- `ospf` - Open Shortest Path First
- `pim` - Protocol Independent Multicast
- `sctp` - Stream Control Transmission Protocol
- `number` - Numeric protocol value (0 .. 255)
- `bootp` - Bootstrap protocol
- `dce-rpc` - DCE RPC
- `dce-rpc-portmap` - DCE RPC portmap
- `dns` - Domain Name Service
- `exec` - Remote Execution Protocol
- `ftp` - File Transfer Protocol
- `gprs-gtp-c` - GPRS Tunneling Control Plane
- `gprs-gtp-u` - GPRS Tunneling User Plane
- `gprs-gtp-v0` - GPRS Tunneling Version 0
- `gprs-sctp` - GPRS Stream Control Protocol
- `h323` - H.323
- `icmp` - ICMP
- `ignore` - Ignore application type
- `iiop` - Internet Inter-ORB Protocol
- `ike-esp-nat` - IKE/ESP with NAT
- `ip` - IP
- `login` - Login
- `mgcp-ca` - MGCP-CA
- `mgcp-ua` - MGCP-UA
- `ms-rpc` - Microsoft RPC
- `netbios` - NetBIOS
- `netshow` - NetShow

- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<extensive>—Display extensive output

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast

- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol

- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<brief>—Display brief output (default)

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane

- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol

- traceroute - Traceroute
- winframe - WinFrame

<terse>—Display terse output

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT



- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<source-prefix>—Source prefix to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol

- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
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- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)
- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
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- iiop - Internet Inter-ORB Protocol
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- ip - IP
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- ras - RAS
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- rpc - RPC
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- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
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- tftp - Trivial File Transfer Protocol
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- winframe - WinFrame

<destination-prefix>—Destination prefix to use as filter

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
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- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- number - Numeric protocol value (0 .. 255)

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
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- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
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<source-port>—Source port to use as filter

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- gprs-gtp-c - GPRS Tunneling Control Plane
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- gprs-gtp-v0 - GPRS Tunneling Version 0

- gprs-sctp - GPRS Stream Control Protocol
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- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
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- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<protocol>—IP protocol type to use as filter

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- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
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- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload



- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
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- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC

- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<application-protocol>—Application protocol type to use as filter

- bootp - Bootstrap protocol
- dce-rpc - DCE RPC
- dce-rpc-portmap - DCE RPC portmap
- dns - Domain Name Service
- exec - Remote Execution Protocol
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- h323 - H.323
- icmp - ICMP
- ignore - Ignore application type
- iiop - Internet Inter-ORB Protocol
- ike-esp-nat - IKE/ESP with NAT
- ip - IP
- login - Login
- mgcp-ca - MGCP-CA

- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- netbios - NetBIOS
- netshow - NetShow
- pptp - Point-to-Point Tunneling Protocol
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rpc - RPC
- rpc-portmap - RPC portmap
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- shell - Shell
- snmp - SNMP
- sqlnet - SQLNet
- sqlnet-v2 - Oracle SQL\*Net Version 2
- sun-rpc - Sun Microsystems RPC
- talk - Talk Program
- tftp - Trivial File Transfer Protocol
- traceroute - Traceroute
- winframe - WinFrame

<service-set>—Name of service set

<interface>—Name of adaptive services interface

<get-service-sfw-sip-register-count-information>—Show count of matching entries

---

## <get-service-sfw-statistics-information>

---

### Usage

```
<rpc>
  <get-service-sfw-statistics-information>
    <brief/>
    <detail/>
    <extensive/>
    <summary/>
```

```
<service-set>service-set</service-set>
<interface>interface</interface>
</get-service-sfw-statistics-information>
</rpc>
```

**Description** Show statistics

**Contents**

- <brief>—Display brief output (default)
- <detail>—Display detailed output
- <extensive>—Display extensive output
- <summary>—Display summary output
- <service-set>—Name of service set
- <interface>—Name of adaptive services interface
- <application-protocol>—Application protocol type to use as filter

---

## <get-service-softwire-ds-lite-flow-table-information>

---

### Usage

```
<rpc>
<get-service-softwire-ds-lite-flow-table-information>
<AFTR>AFTR</AFTR>
<B4>B4</B4>
</get-service-softwire-ds-lite-flow-table-information>
</rpc>
```

**Description** Show ds-lite related softwire flows

**Contents**

- <AFTR>—AFTR IPV6 Address
- <B4>—B4 IPV6 Address

---

## <get-service-softwire-flow-table-information>

---

### Usage

```
<rpc>
<get-service-softwire-flow-table-information>
<service-set>service-set</service-set>
<interface>interface</interface>
<get-service-softwire-count-information/>
</get-service-softwire-flow-table-information>
</rpc>
```

**Description** Show flow table entries

<b>Contents</b>	<p>&lt;service-set&gt;—Name of service set</p> <p>&lt;interface&gt;—Name of adaptive services interface</p> <p>&lt;get-service-softwire-count-information&gt;—Show count of matching entries</p> <p>&lt;get-service-softwire-ds-lite-flow-table-information&gt;—Show ds-lite related softwire flows</p> <p>&lt;get-service-softwire-v6rd-flow-table-information&gt;—Show v6rd related softwire flows</p>
-----------------	--

## <get-service-softwire-statistics-information>

---

### Usage

```
<rpc>
  <get-service-softwire-statistics-information>
    <interface>interface</interface>
    <ds-lite/>
    <v6rd/>
  </get-service-softwire-statistics-information>
</rpc>
```

**Description** Show global softwire statistics

<b>Contents</b>	<p>&lt;interface&gt;—Name of adaptive services interface</p> <p>&lt;ds-lite&gt;—Show softwire statistics for dslite</p> <p>&lt;v6rd&gt;—Show softwire statistics for v6rd</p>
-----------------	---

## <get-service-softwire-table-information>

---

### Usage

```
<rpc>
  <get-service-softwire-table-information>
    <get-service-current-softwire-count-information/>
  </get-service-softwire-table-information>
</rpc>
```

**Description** Show softwire information

<b>Contents</b>	<p>&lt;get-service-current-softwire-count-information&gt;—Show count of softwires created</p> <p>&lt;get-service-softwire-flow-table-information&gt;—Show flow table entries</p> <p>&lt;get-service-softwire-statistics-information&gt;—Show global softwire statistics</p>
-----------------	---

## <get-service-softwire-v6rd-flow-table-information>

---

**Usage**

```
<rpc>
  <get-service-softwire-v6rd-flow-table-information>
    <concentrator>concentrator</concentrator>
    <initiator>initiator</initiator>
  </get-service-softwire-v6rd-flow-table-information>
</rpc>
```

**Description** Show v6rd related softwire flows

**Contents** <concentrator>—Softwire concentrator IPV4 Address  
<initiator>—Softwire initiator IPV4 Address

## <get-services-dfc-statistics-information>

---

**Usage**

```
<rpc>
  <get-services-dfc-statistics-information>
    <capture-group>capture-group</capture-group> <!-- mandatory -->
  </get-services-dfc-statistics-information>
</rpc>
```

**Description** Show capture group statistics

**Contents** <capture-group>—Capture group name

## <get-services-dynamic-flow-capture-content-destination-information>

---

**Usage**

```
<rpc>
  <get-services-dynamic-flow-capture-content-destination-information>
    <terse/>
    <capture-group>capture-group</capture-group> <!-- mandatory -->
    <destination-identifier>destination-identifier</destination-identifier> <!-- mandatory -->
  </get-services-dynamic-flow-capture-content-destination-information>
</rpc>
```

**Description** Show DFC content destination information

**Contents** <terse>—Display terse output (default)  
<capture-group>—Capture group name

<destination-identifier>—Content destination identifier

## <get-services-dynamic-flow-capture-control-source-information>

### Usage

```
<rpc>
  <get-services-dynamic-flow-capture-control-source-information>
    <detail/>
    <terse/>
    <capture-group>capture-group</capture-group> <!-- mandatory -->
    <source-identifier>source-identifier</source-identifier> <!-- mandatory -->
  </get-services-dynamic-flow-capture-control-source-information>
</rpc>
```

**Description** Show DFC control source information

**Contents**

- <detail>—Display detailed output
- <terse>—Display terse output (default)
- <capture-group>—Capture group name
- <source-identifier>—Control source identifier

## <get-services-flow-collector-file-information>

### Usage

```
<rpc>
  <get-services-flow-collector-file-information>
    <interface>interface</interface> <!-- mandatory -->
    <extensive/>
    <detail/>
    <terse/>
  </get-services-flow-collector-file-information>
</rpc>
```

**Description** Show file status information

**Contents**

- <interface>—Interface name
  - all - All configured Collector PICs
  - interface - Physical interface
- <extensive>—Display extensive output
- <detail>—Display detailed output
- <terse>—Display terse output (default)

## <get-services-flow-collector-information>

---

### Usage

```
<rpc>
  <get-services-flow-collector-information>
    <extensive/>
    <detail/>
    <terse/>
    <interface>interface</interface> <!-- mandatory -->
  </get-services-flow-collector-information>
</rpc>
```

**Description** Show flow collector service information

**Contents** <extensive>—Display extensive output

- all - All configured Collector PICs
- interface - Physical interface

<detail>—Display detailed output

- all - All configured Collector PICs
- interface - Physical interface

<terse>—Display terse output (default)

- all - All configured Collector PICs
- interface - Physical interface

<interface>—Interface name

- all - All configured Collector PICs
- interface - Physical interface

<get-services-flow-collector-file-information>—Show file status information

<get-services-flow-collector-input-information>—Show input status information

## <get-services-flow-collector-input-information>

---

### Usage

```
<rpc>
  <get-services-flow-collector-input-information>
    <interface>interface</interface> <!-- mandatory -->
    <extensive/>
    <detail/>
    <terse/>
  </get-services-flow-collector-input-information>
```



`</rpc>`

**Description** Show input status information

**Contents** `<interface>`—Interface name

- all - All configured Collector PICs
- interface - Physical interface

`<extensive>`—Display extensive output

`<detail>`—Display detailed output

`<terse>`—Display terse output (default)

---

### `<get-services-l2tp-radius-accounting-servers-information>`

---

**Usage**

```
<rpc>
  <get-services-l2tp-radius-accounting-servers-information/>
</rpc>
```

**Description** Show RADIUS accounting servers information

---

### `<get-services-l2tp-radius-accounting-statistics-information>`

---

**Usage**

```
<rpc>
  <get-services-l2tp-radius-accounting-statistics-information/>
</rpc>
```

**Description** Show RADIUS accounting statistics information

---

### `<get-services-l2tp-radius-authentication-accounting-servers-information>`

---

**Usage**

```
<rpc>
  <get-services-l2tp-radius-authentication-accounting-servers-information/>
</rpc>
```

**Description** Show RADIUS authentication and accounting servers information

## <get-services-l2tp-radius-authentication-accounting-statistics-information>

---

**Usage**

```
<rpc>  
  <get-services-l2tp-radius-authentication-accounting-statistics-information/>  
</rpc>
```

**Description** Show RADIUS authentication and accounting statistics information

## <get-services-l2tp-radius-authentication-servers-information>

---

**Usage**

```
<rpc>  
  <get-services-l2tp-radius-authentication-servers-information/>  
</rpc>
```

**Description** Show RADIUS authentication servers information

## <get-services-l2tp-radius-authentication-statistics-information>

---

**Usage**

```
<rpc>  
  <get-services-l2tp-radius-authentication-statistics-information/>  
</rpc>
```

**Description** Show RADIUS authentication statistics information

## <get-services-pgcpd-root-termination>

---

**Usage**

```
<rpc>  
  <get-services-pgcpd-root-termination>  
  </get-services-pgcpd-root-termination>  
</rpc>
```

**Description** Show root termination h248 information

**Contents** <get-services-pgcpd-root-termination-gateway>—Show root termination h248 information for gateway

## <get-services-pgcpd-root-termination-gateway>

---

**Usage**

```
<rpc>
```

```

<get-services-pgcpd-root-termination-gateway>
  <gateway-name>gateway-name</gateway-name> <!-- mandatory -->
  <master/>
  <backup/>
</get-services-pgcpd-root-termination-gateway>
</rpc>

```

**Description** Show root termination h248 information for gateway

**Contents** <gateway-name>—Gateway name

<master>—Query the master RE or ms-pic (default)

<backup>—Query the backup ms-pic

---

### <get-services-subscriber-bandwidth-by-interface>

---

**Usage**

```

<rpc>
  <get-services-subscriber-bandwidth-by-interface>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
    <top-talkers>top-talkers</top-talkers> <!-- mandatory -->
  </get-services-subscriber-bandwidth-by-interface>
</rpc>

```

**Description** By interface name

**Contents** <interface-name>—Client interface name

<top-talkers>—Top talkers

---

### <get-services-subscriber-bandwidth-by-ip-address>

---

**Usage**

```

<rpc>
  <get-services-subscriber-bandwidth-by-ip-address>
    <ip-address>ip-address</ip-address>
  </get-services-subscriber-bandwidth-by-ip-address>
</rpc>

```

**Description** By IP address

**Contents** <ip-address>—Client IP address

## <get-services-subscriber-bandwidth-by-service-interface>

---

**Usage**

```
<rpc>
  <get-services-subscriber-bandwidth-by-service-interface>
    <service-interface>service-interface</service-interface> <!-- mandatory -->
    <top-talkers>top-talkers</top-talkers> <!-- mandatory -->
  </get-services-subscriber-bandwidth-by-service-interface>
</rpc>
```

**Description** By MS-PIC name

**Contents** <service-interface>—Client MS-PIC name  
          <top-talkers>—Top talkers

## <get-services-subscriber-bandwidth-by-session-id>

---

**Usage**

```
<rpc>
  <get-services-subscriber-bandwidth-by-session-id>
    <client-id>client-id</client-id> <!-- mandatory -->
  </get-services-subscriber-bandwidth-by-session-id>
</rpc>
```

**Description** By client identifier

**Contents** <client-id>—Client identifier

## <get-services-subscriber-dynamic-policies>

---

**Usage**

```
<rpc>
  <get-services-subscriber-dynamic-policies>
    <client-id>client-id</client-id> <!-- mandatory -->
  </get-services-subscriber-dynamic-policies>
</rpc>
```

**Description** Dynamic policy

**Contents** <client-id>—Client identifier

## <get-services-subscriber-flows>

---

**Usage**

```
<rpc>
```

```

<get-services-subscriber-flows>
  <client-id>client-id</client-id> <!-- mandatory -->
</get-services-subscriber-flows>
</rpc>

```

**Description**    Flows

**Contents**    <client-id>—Client identifier

## <get-services-subscriber-session>

### Usage

```

<rpc>
  <get-services-subscriber-session>
    <criteria>criteria</criteria>
    <client-id>client-id</client-id>
    <user-id>user-id</user-id>
    <ip-address>ip-address</ip-address>
    <interface>interface</interface>
    <service-interface>service-interface</service-interface>
    <routing-instance>routing-instance</routing-instance>
    <brief/>
    <detail/>
    <summary/>
  </get-services-subscriber-session>
</rpc>

```

**Description**    Sessions

**Contents**    <client-id>—Client identifier

                 <user-id>—User identifier

                 <ip-address>—Client IP address

                 <interface>—Client interface name

                 <service-interface>—Client MS-PIC name

                 <routing-instance>—Routing instance name

                 <brief>—Display brief output (default)

                 <detail>—Display detailed output

                 <summary>—Display summary output

## <get-services-subscriber-sessions>

---

### Usage

```
<rpc>
  <get-services-subscriber-sessions>
    <criteria>criteria</criteria> <!-- mandatory -->
    <client-id>client-id</client-id>
  </get-services-subscriber-sessions>
</rpc>
```

**Description** Clear subscriber session

**Contents** <client-id>—Client identifier

## <get-services-subscriber-statistics>

---

### Usage

```
<rpc>
  <get-services-subscriber-statistics>
    <client-id>client-id</client-id> <!-- mandatory -->
    <extensive/>
  </get-services-subscriber-statistics>
</rpc>
```

**Description** Statistics

**Contents** <client-id>—Client identifier  
  
<extensive>—Display extensive output

## <get-sfm-information>

---

### Usage

```
<rpc>
  <get-sfm-information>
  </get-sfm-information>
</rpc>
```

**Description** Show Switching and Forwarding Module status

**Contents** <detail>—Show detailed output

## <get-sha1-checksum-information>

---

### Usage

```
<rpc>
```

```
<get-sha1-checksum-information>
  <path>path</path> <!-- mandatory -->
</get-sha1-checksum-information>
</rpc>
```

**Description** Calculate SHA1 checksum of a file

**Contents** <path>—Path to filename

---

### <get-sha256-checksum-information>

---

**Usage**

```
<rpc>
  <get-sha256-checksum-information>
    <path>path</path> <!-- mandatory -->
  </get-sha256-checksum-information>
</rpc>
```

**Description** Calculate SHA-256 checksum of a file

**Contents** <path>—Path to filename

---

### <get-show-bridge-domain-all-ce-flood-route-information>

---

**Usage**

```
<rpc>
  <get-show-bridge-domain-all-ce-flood-route-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <bridge-domain>bridge-domain</bridge-domain>
  </get-show-bridge-domain-all-ce-flood-route-information>
</rpc>
```

**Description** Show route for flooding traffic to all CE routers if no-local-switching is enabled

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Display information for a specified instance

<bridge-domain>—Display information for a specified bridge domain

---

### <get-show-bridge-domain-ve-flood-route-information>

---

**Usage**

```
<rpc>
  <get-show-bridge-domain-ve-flood-route-information>
    <logical-system>logical-system</logical-system>
```

```
<instance>instance</instance>
<bridge-domain>bridge-domain</bridge-domain>
</get-show-bridge-domain-ve-flood-route-information>
</rpc>
```

**Description** Show route for flooding traffic to all VE routers if no-local-switching is enabled

**Contents** <logical-system>—Name of logical system, or 'all'

<instance>—Display information for a specified instance

<bridge-domain>—Display information for a specified bridge domain

---

## <get-sib-information>

### Usage

```
<rpc>
<get-sib-information/>
</rpc>
```

**Description** Show Switch Interface Board status

---

## <get-snapshot-information>

### Usage

```
<rpc>
<get-snapshot-information>
  <slice>slice</slice>
  <media>media</media>
</get-snapshot-information>
</rpc>
```

**Description** Show snapshot information

**Contents** <slice>—Show snapshot information from specified partition

- 1 - Show snapshot information from first partition
- 2 - Show snapshot information from second partition
- alternate - Show snapshot information from alternate partition
- removable-compact-flash - Show snapshot information from removable compact flash
- compact-flash - Show snapshot information from compact flash
- usb - Show snapshot information from device connected to USB port
- hard-disk - Show snapshot information from hard disk



- internal - Show snapshot information from internal flash
- external - Show snapshot information from external flash

<media>—Media to show snapshot information from

- removable-compact-flash - Show snapshot information from removable compact flash
- compact-flash - Show snapshot information from compact flash
- usb - Show snapshot information from device connected to USB port
- hard-disk - Show snapshot information from hard disk
- internal - Show snapshot information from internal flash
- external - Show snapshot information from external flash

---

### <get-snmp-inform-statistics>

---

#### Usage

```
<rpc>
  <get-snmp-inform-statistics/>
</rpc>
```

**Description** Show SNMP Inform request statistics

---

### <get-snmp-information>

---

#### Usage

```
<rpc>
  <get-snmp-information/>
</rpc>
```

**Description** Show SNMP statistics

---

### <get-snmp-object>

---

#### Usage

```
<rpc>
  <get-snmp-object>
    <decimal/>
    <ascii/>
    <snmp-object-name>snmp-object-name</snmp-object-name> <!-- mandatory
-->
  </get-snmp-object>
</rpc>
```

**Description** Get SNMP object value

**Contents**    <decimal>—Decimal format (default)  
                 <ascii>—Convert string indices to 'ascii-keys' representation  
                 <snmp-object-name>—

---

## <get-snmp-v3-access-information>

---

### Usage

```
<rpc>
  <get-snmp-v3-access-information>
    <brief/>
    <detail/>
  </get-snmp-v3-access-information>
</rpc>
```

**Description**    Show SNMPv3 access information

**Contents**    <brief>—Display brief output (default)  
                 <detail>—Display detailed output

---

## <get-snmp-v3-community-information>

---

### Usage

```
<rpc>
  <get-snmp-v3-community-information/>
</rpc>
```

**Description**    Show SNMPv3 community information

---

## <get-snmp-v3-general-information>

---

### Usage

```
<rpc>
  <get-snmp-v3-general-information/>
</rpc>
```

**Description**    Show general SNMPv3 information

---

## <get-snmp-v3-group-information>

---

### Usage

```
<rpc>
  <get-snmp-v3-group-information/>
</rpc>
```

**Description** Show SNMPv3 security-to-group information

### <get-snmp-v3-information>

---

**Usage**

```
<rpc>
  <get-snmp-v3-information>
</get-snmp-v3-information>
</rpc>
```

**Description** Show SNMP version 3 information

**Contents** <get-snmp-v3-general-information>—Show general SNMPv3 information

<get-snmp-v3-usm-user-information>—Show SNMPv3 user information

<get-snmp-v3-access-information>—Show SNMPv3 access information

<get-snmp-v3-community-information>—Show SNMPv3 community information

<get-snmp-v3-target-information>—Show SNMPv3 target information

<get-snmp-v3-notify-information>—Show SNMPv3 notify information

### <get-snmp-v3-notify-filter-information>

---

**Usage**

```
<rpc>
  <get-snmp-v3-notify-filter-information/>
</rpc>
```

**Description** Show SNMPv3 notify filter information

### <get-snmp-v3-notify-information>

---

**Usage**

```
<rpc>
  <get-snmp-v3-notify-information>
</get-snmp-v3-notify-information>
</rpc>
```

**Description** Show SNMPv3 notify information

**Contents** <get-snmp-v3-notify-filter-information>—Show SNMPv3 notify filter information

## <get-snmp-v3-target-address-information>

---

**Usage**

```
<rpc>
  <get-snmp-v3-target-address-information/>
</rpc>
```

**Description** Show SNMPv3 target address information

## <get-snmp-v3-target-information>

---

**Usage**

```
<rpc>
  <get-snmp-v3-target-information>
  </get-snmp-v3-target-information>
</rpc>
```

**Description** Show SNMPv3 target information

**Contents** <get-snmp-v3-target-address-information>—Show SNMPv3 target address information

<get-snmp-v3-target-parameters-information>—Show SNMPv3 target parameters information

## <get-snmp-v3-target-parameters-information>

---

**Usage**

```
<rpc>
  <get-snmp-v3-target-parameters-information/>
</rpc>
```

**Description** Show SNMPv3 target parameters information

## <get-snmp-v3-usm-user-information>

---

**Usage**

```
<rpc>
  <get-snmp-v3-usm-user-information/>
</rpc>
```

**Description** Show SNMPv3 user information

## <get-software-information>

---

**Usage**

```
<rpc>
  <get-software-information>
    <brief/>
    <detail/>
  </get-software-information>
</rpc>
```

**Description** Show software process revision levels

**Contents** <brief>—Display brief output  
            <detail>—Display detailed output

## <get-software-installation-status>

---

**Usage**

```
<rpc>
  <get-software-installation-status/>
</rpc>
```

**Description** Show status of software installation

## <get-source-class-statistics>

---

**Usage**

```
<rpc>
  <get-source-class-statistics>
    <class-name>class-name</class-name> <!-- mandatory -->
    <interface-name>interface-name</interface-name>
  </get-source-class-statistics>
</rpc>
```

**Description** Show statistics for source class

**Contents** <all>—Display all source class usage  
            <class-name>—Name of source class  
            <interface-name>—Name of logical interface

## <get-spmb-information>

---

**Usage**

```
<rpc>
  <get-spmb-information>
</get-spmb-information>
</rpc>
```

**Description** Show Switch Processor Mezzanine Board status

**Contents** <get-spmb-sib-information>—Show Switch Interface Board status

## <get-spmb-sib-information>

---

**Usage**

```
<rpc>
  <get-spmb-sib-information/>
</rpc>
```

**Description** Show Switch Interface Board status

## <get-ssb-information>

---

**Usage**

```
<rpc>
  <get-ssb-information>
    <slot>slot</slot>
  </get-ssb-information>
</rpc>
```

**Description** Show System and Switch Board status

**Contents** <slot>—SSB slot number

## <get-statistics-information>

---

**Usage**

```
<rpc>
  <get-statistics-information>
    <ip/>
    <ip6/>
    <icmp/>
    <icmp6/>
    <tcp/>
    <udp/>
    <igmp/>
```

```

    <arp/>
    <clns/>
    <esis/>
    <tnp/>
    <rdp/>
    <ttp/>
    <tudp/>
    <mpls/>
    <ethoamcfm/>
    <ethoamlfm/>
  </get-statistics-information>
</rpc>

```

**Description** Show statistics for protocol

**Contents**

- <ip>—IP version 4 (IPv4)
- <ip6>—IP version 6 (IPv6)
- <icmp>—Internet Control Message Protocol
- <icmp6>—Internet Control Message Protocol for IPv6
- <tcp>—Transmission Control Protocol
- <udp>—User Datagram Protocol
- <igmp>—Internet Gateway Management Protocol
- <arp>—Address Resolution Protocol
- <clns>—Connectionless Network Service
- <esis>—End System-to-Intermediate System
- <tnp>—Trivial Network Protocol
- <rdp>—Reliable Datagram Protocol
- <ttp>—TNP Tunneling Protocol
- <tudp>—Trivial User Datagram Protocol
- <mpls>—Multiprotocol Label Switching
- <ethoamcfm>—Ethernet OAM protocol for connectivity fault management
- <ethoamlfm>—Ethernet OAM protocol for link fault management
- <vpls>—Virtual private LAN service
- <bridge>—IEEE 802.1 Bridging

## <get-sticky-table-information>

---

**Usage**

```
<rpc>
  <get-sticky-table-information>

    <real-server-group-name-sticky>real-server-group-name-sticky</real-server-group-name-sticky>

    <terse/>
    <detail/>
  </get-sticky-table-information>
</rpc>
```

**Description** Show server load balance sticky information

**Contents** <real-server-group-name-sticky>—Show sticky information for a specific real server group

<terse>—Display terse output

<detail>—Display detailed output

## <get-stp-bridge-information>

---

**Usage**

```
<rpc>
  <get-stp-bridge-information>
    <brief/>
    <detail/>
    <logical-system>logical-system</logical-system>
    <msti-vlan>msti-vlan</msti-vlan>
    <msti>msti</msti>
    <vlan-id>vlan-id</vlan-id>
    <routing-instance>routing-instance</routing-instance>
  </get-stp-bridge-information>
</rpc>
```

**Description** Show STP bridge parameters

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<logical-system>—Name of logical system

<msti>—MSTP instance ID (0 for CIST and 1..64 for MSTIs)

<vlan-id>—VLAN ID

<routing-instance>—Name of routing instance



## <get-stp-interface-information>

### Usage

```

<rpc>
  <get-stp-interface-information>
  <brief/>
  <detail/>
  <logical-system>logical-system</logical-system>
  <interface-name>interface-name</interface-name>
  <msti-vlan>msti-vlan</msti-vlan>
  <msti>msti</msti>
  <vlan-id>vlan-id</vlan-id>
  <routing-instance>routing-instance</routing-instance>
</get-stp-interface-information>
</rpc>

```

**Description** Show STP interface parameters

**Contents**

- <brief>—Display brief output (default)
- <detail>—Display detailed output
- <logical-system>—Name of logical system
- <interface-name>—Name of interface
- <msti>—MSTP instance ID (0 for CIST and 1..64 for MSTIs)
- <vlan-id>—VLAN ID
- <routing-instance>—Name of routing instance

## <get-stp-interface-statistics>

### Usage

```

<rpc>
  <get-stp-interface-statistics>
  <brief/>
  <detail/>
  <logical-system>logical-system</logical-system>
  <interface-name>interface-name</interface-name>
  <routing-instance>routing-instance</routing-instance>
</get-stp-interface-statistics>
</rpc>

```

**Description** Show STP interface statistics

**Contents**

- <brief>—Display brief output (default)
- <detail>—Display detailed output

<logical-system>—Name of logical system

<interface-name>—Name of interface

<routing-instance>—Name of routing instance

---

## <get-stp-routing-instance-statistics>

---

### Usage

```
<rpc>
  <get-stp-routing-instance-statistics>
    <brief/>
    <detail/>
    <logical-system>logical-system</logical-system>
    <routing-instance-name>routing-instance-name</routing-instance-name>
  </get-stp-routing-instance-statistics>
</rpc>
```

**Description** Show STP routing instance statistics

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<logical-system>—Name of logical system

<routing-instance-name>—Name of routing instance

---

## <get-subscriber-management-summary-information>

---

### Usage

```
<rpc>
  <get-subscriber-management-summary-information/>
</rpc>
```

**Description** Show Subscriber management summary

---

## <get-subscribers>

---

### Usage

```
<rpc>
  <get-subscribers>
    <address>address</address>
    <interface>interface</interface>
    <logical-system>logical-system</logical-system>
    <routing-instance>routing-instance</routing-instance>
    <profile-name>profile-name</profile-name>
    <stacked-vlan-id>stacked-vlan-id</stacked-vlan-id>
    <vlan-id>vlan-id</vlan-id>
  </get-subscribers>
</rpc>
```

```

<id>id</id>
<mac-address>mac-address</mac-address>
<client-type>client-type</client-type>
<subscriber-state>subscriber-state</subscriber-state>
<terse/>
<detail/>
<extensive/>
<count/>
</get-subscribers>
</rpc>

```

**Description** Show subscriber information

**Contents** <address>—IPv4 or IPv6 address of subscriber

- dhcp - DHCP clients only
- vlan - VLAN clients only
- ppp - PPP clients only
- pppoe - PPPoE clients only
- l2tp - L2TP clients only
- init - INIT state only
- configured - CONFIGURED state only
- active - ACTIVE state only
- terminating - TERMINATING state only
- terminated - TERMINATED state only

<interface>—Interface name, or with wildcards (e.g. fe-0/0/\*, fe-0/\*/\*)

- dhcp - DHCP clients only
- vlan - VLAN clients only
- ppp - PPP clients only
- pppoe - PPPoE clients only
- l2tp - L2TP clients only
- init - INIT state only
- configured - CONFIGURED state only
- active - ACTIVE state only
- terminating - TERMINATING state only
- terminated - TERMINATED state only

<logical-system>—Logical system where subscriber resides

- dhcp - DHCP clients only
- vlan - VLAN clients only
- ppp - PPP clients only
- pppoe - PPPoE clients only
- l2tp - L2TP clients only
- init - INIT state only
- configured - CONFIGURED state only
- active - ACTIVE state only
- terminating - TERMINATING state only
- terminated - TERMINATED state only

<routing-instance>—Routing instance where subscriber resides

- dhcp - DHCP clients only
- vlan - VLAN clients only
- ppp - PPP clients only
- pppoe - PPPoE clients only
- l2tp - L2TP clients only
- init - INIT state only
- configured - CONFIGURED state only
- active - ACTIVE state only
- terminating - TERMINATING state only
- terminated - TERMINATED state only

<profile-name>—Profile with which subscriber has been activated

- dhcp - DHCP clients only
- vlan - VLAN clients only
- ppp - PPP clients only
- pppoe - PPPoE clients only
- l2tp - L2TP clients only
- init - INIT state only
- configured - CONFIGURED state only
- active - ACTIVE state only
- terminating - TERMINATING state only
- terminated - TERMINATED state only

<stacked-vlan-id>—Stacked VLAN identifier of subscriber

- dhcp - DHCP clients only
- vlan - VLAN clients only
- ppp - PPP clients only
- pppoe - PPPoE clients only
- l2tp - L2TP clients only
- init - INIT state only
- configured - CONFIGURED state only
- active - ACTIVE state only
- terminating - TERMINATING state only
- terminated - TERMINATED state only

<vlan-id>—VLAN identifier of subscriber

- dhcp - DHCP clients only
- vlan - VLAN clients only
- ppp - PPP clients only
- pppoe - PPPoE clients only
- l2tp - L2TP clients only
- init - INIT state only
- configured - CONFIGURED state only
- active - ACTIVE state only
- terminating - TERMINATING state only
- terminated - TERMINATED state only

<id>—Identifier of subscriber

- dhcp - DHCP clients only
- vlan - VLAN clients only
- ppp - PPP clients only
- pppoe - PPPoE clients only
- l2tp - L2TP clients only
- init - INIT state only
- configured - CONFIGURED state only
- active - ACTIVE state only
- terminating - TERMINATING state only
- terminated - TERMINATED state only

<mac-address>—MAC address of subscriber

- dhcp - DHCP clients only
- vlan - VLAN clients only
- ppp - PPP clients only
- pppoe - PPPoE clients only
- l2tp - L2TP clients only
- init - INIT state only
- configured - CONFIGURED state only
- active - ACTIVE state only
- terminating - TERMINATING state only
- terminated - TERMINATED state only

<client-type>—Client type of subscriber

- dhcp - DHCP clients only
- vlan - VLAN clients only
- ppp - PPP clients only
- pppoe - PPPoE clients only
- l2tp - L2TP clients only
- init - INIT state only
- configured - CONFIGURED state only
- active - ACTIVE state only
- terminating - TERMINATING state only
- terminated - TERMINATED state only

<subscriber-state>—State of subscriber

- init - INIT state only
- configured - CONFIGURED state only
- active - ACTIVE state only
- terminating - TERMINATING state only
- terminated - TERMINATED state only

<get-subscribers-summary>—Display subscriber summary

<terse>—Display terse output

<detail>—Display detailed output

<extensive>—Display extensive output

<count>—Display number of subscribers

### <get-subscribers-summary>

---

**Usage**

```
<rpc>
  <get-subscribers-summary>
    <logical-system>logical-system</logical-system>
    <routing-instance>routing-instance</routing-instance>
    <all/>
  </get-subscribers-summary>
</rpc>
```

**Description** Display subscriber summary

**Contents** <logical-system>—Display summary for specified logical system

<routing-instance>—Display summary for specified routing instance

<all>—Display full subscriber summary

### <get-summary-mip-binding-information>

---

**Usage**

```
<rpc>
  <get-summary-mip-binding-information>
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </get-summary-mip-binding-information>
</rpc>
```

**Description** Show summary of binding table

**Contents** <routing-instance>—Name of routing instance

<logical-system>—Name of logical system

### <get-switchover-information>

---

**Usage**

```
<rpc>
  <get-switchover-information/>
</rpc>
```

**Description** Show Routing Engine graceful switchover information

## <get-synchronous-ethernet-esmc-statistics>

---

**Usage**

```
<rpc>
  <get-synchronous-ethernet-esmc-statistics>
    <interface>interface</interface>
    <brief/>
    <detail/>
  </get-synchronous-ethernet-esmc-statistics>
</rpc>
```

**Description** Show ESMC related statistics

**Contents** <interface>—Name of physical interface

<brief>—Display brief output

<detail>—Display detail output

## <get-synchronous-ethernet-esmc-transmit>

---

**Usage**

```
<rpc>
  <get-synchronous-ethernet-esmc-transmit>
    <interface>interface</interface>
    <brief/>
    <detail/>
  </get-synchronous-ethernet-esmc-transmit>
</rpc>
```

**Description** Show ESMC enabled outgoing interfaces

**Contents** <interface>—Name of physical interface

<brief>—Display brief output

<detail>—Display detail output

## <get-synchronous-ethernet-global-information>

---

**Usage**

```
<rpc>
  <get-synchronous-ethernet-global-information>
    <brief/>
  </get-synchronous-ethernet-global-information>
</rpc>
```



**Description** Show process related global information only

**Contents** <brief>—Display brief output

## <get-syslog-events>

---

### Usage

```
<rpc>
  <get-syslog-events>
    <stream>stream</stream> <!-- mandatory -->
    <event>event</event>
    <process>process</process>
    <priority>priority</priority>
    <host>host</host>
    <start-time>start-time</start-time>
    <stop-time>stop-time</stop-time>
    <parameter>parameter</parameter>
    <text-pattern>text-pattern</text-pattern>
    <count>count</count>
    <recorded/>
    <connection-id>connection-id</connection-id>
  </get-syslog-events>
</rpc>
```

**Description** Show system log messages

**Contents** <stream>—Name of stream (log file) containing messages to filter

<event>—Event ID of messages to include in output

<process>—Name of process generating messages to include in output

<priority>—Facility and severity of messages to include in output

<host>—Name of host generating messages to include in output

<start-time>—Earliest timestamp of messages to include in output

<stop-time>—Latest timestamp of messages to include in output

<parameter>—Parameter (key=value) of messages to include in output

<text-pattern>—Pattern in messages to include in output

<count>—Number of messages to include in output

<recorded>—Match only the recorded messages

<connection-id>—Connection ID

## <get-syslog-facility-information>

---

**Usage**

```
<rpc>
  <get-syslog-facility-information>
    <facility-name>facility-name</facility-name>
  </get-syslog-facility-information>
</rpc>
```

**Description** System facility messages

**Contents** <facility-name>—Facility name or regular expression

## <get-syslog-filenames>

---

**Usage**

```
<rpc>
  <get-syslog-filenames/>
</rpc>
```

**Description** Get syslog file names

## <get-syslog-tag-information>

---

**Usage**

```
<rpc>
  <get-syslog-tag-information>
    <syslog-tag>syslog-tag</syslog-tag>
  </get-syslog-tag-information>
</rpc>
```

**Description** System log error messages

**Contents** <syslog-tag>—System log tag or regular expression  
<get-syslog-facility-information>—System facility messages

## <get-system-alarm-information>

---

**Usage**

```
<rpc>
  <get-system-alarm-information/>
</rpc>
```

**Description** Show system alarm status

### <get-system-archival>

---

**Usage**

```
<rpc>
  <get-system-archival/>
</rpc>
```

**Description** List files queued up for archive transfer

### <get-system-firmware-information>

---

**Usage**

```
<rpc>
  <get-system-firmware-information>
    <compatibility/>
  </get-system-firmware-information>
</rpc>
```

**Description** Show all firmware version information

**Contents** <compatibility>—Show all firmware compatibility information

### <get-system-login-lockout-information>

---

**Usage**

```
<rpc>
  <get-system-login-lockout-information>
    <user>user</user>
  </get-system-login-lockout-information>
</rpc>
```

**Description** Show user accounts not permitted logins

**Contents** <user>—Name of user

### <get-system-resource-cleanup-processes-information>

---

**Usage**

```
<rpc>
  <get-system-resource-cleanup-processes-information>
    <detail/>
    <name_pid_choice>name_pid_choice</name_pid_choice>
    <process-name>process-name</process-name>
    <pid>pid</pid>
  </get-system-resource-cleanup-processes-information>
```

</rpc>

**Description** Show process resource cleanup information

**Contents** <detail>—Display detailed information

<process-name>—Process name

<pid>—Process identifier

---

### <get-system-services-reverse-information>

---

**Usage**

```
<rpc>  
  <get-system-services-reverse-information/>  
</rpc>
```

**Description** Show reverse telnet/SSH connection information

---

### <get-system-storage>

---

**Usage**

```
<rpc>  
  <get-system-storage>  
    <detail/>  
  </get-system-storage>  
</rpc>
```

**Description** Show local storage data

**Contents** <detail>—

<get-system-storage-partitions>—Show partitions information for the boot media

---

### <get-system-storage-partitions>

---

**Usage**

```
<rpc>  
  <get-system-storage-partitions/>  
</rpc>
```

**Description** Show partitions information for the boot media

## <get-system-uptime-information>

### Usage

```

<rpc>
  <get-system-uptime-information>
    <interconnect-device>interconnect-device</interconnect-device>
    <node-group>node-group</node-group>
    <infrastructure>infrastructure</infrastructure>
    <director-group>director-group</director-group>
  </get-system-uptime-information>
</rpc>

```

**Description** Show time since system and processes started

**Contents** <interconnect-device>—Interconnect device identifier

<node-group>—Node group identifier

<infrastructure>—Fabric manager or fabric control identifier

<director-group>—Director device name (dg0 or dg1)

## <get-system-users-information>

### Usage

```

<rpc>
  <get-system-users-information>
    <no-resolve/>
  </get-system-users-information>
</rpc>

```

**Description** Show users who are currently logged in

**Contents** <no-resolve>—Don't attempt to print addresses symbolically

## <get-system-virtual-memory-information>

### Usage

```

<rpc>
  <get-system-virtual-memory-information/>
</rpc>

```

**Description** Show kernel dynamic memory usage

## <get-targeting-information>

---

**Usage**

```
<rpc>
  <get-targeting-information>
    <bundle-name>bundle-name</bundle-name>
  </get-targeting-information>
</rpc>
```

**Description** Show Distribution information of a bundle

**Contents** <bundle-name>—Name of the bundle

## <get-task-memory-information>

---

**Usage**

```
<rpc>
  <get-task-memory-information>
    <daemon-select>daemon-select</daemon-select>
    <logical-system>logical-system</logical-system>
    <fabric/>
    <summary/>
    <brief/>
    <detail/>
    <history/>
  </get-task-memory-information>
</rpc>
```

**Description** Show memory utilization of routing tasks

**Contents** <logical-system>—Name of logical system, or 'all'

<fabric>—Internal fabric state

<summary>—Display current and maximum memory usage

<brief>—Display current/maximum/available memory

<detail>—Display memory usage by individual users

<history>—Display memory usage in the recent past

## <get-ted-database-information>

---

**Usage**

```
<rpc>
  <get-ted-database-information>
    <logical-system>logical-system</logical-system>
    <brief/>
```

```

    <detail/>
    <extensive/>
    <system-id>system-id</system-id>
  </get-ted-database-information>
</rpc>

```

**Description** Show current Traffic Engineering Database

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

<system-id>—System ID or node ID

## <get-ted-link-information>

---

### Usage

```

<rpc>
  <get-ted-link-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
  </get-ted-link-information>
</rpc>

```

**Description** Show current Traffic Engineering Database link

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

## <get-ted-protocol-information>

---

### Usage

```

<rpc>
  <get-ted-protocol-information>
    <logical-system>logical-system</logical-system>
    <brief/>
    <detail/>
  </get-ted-protocol-information>
</rpc>

```

**Description** Show current contributing protocols

**Contents** <logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

---

## <get-temperature-threshold-information>

---

### Usage

```
<rpc>
  <get-temperature-threshold-information>
    <fpc>fpc</fpc>
  </get-temperature-threshold-information>
</rpc>
```

**Description** Show chassis temperature threshold settings

**Contents** <fpc>—Flexible PIC Controller slot number

---

## <get-tfeb-information>

---

### Usage

```
<rpc>
  <get-tfeb-information/>
</rpc>
```

**Description** Show Compact Forwarding Engine Board status

---

## <get-uri-redirect-set-statistics-information>

---

### Usage

```
<rpc>
  <get-uri-redirect-set-statistics-information>
    <detail/>
  </get-uri-redirect-set-statistics-information>
</rpc>
```

**Description** Show URI redirect set statistics

**Contents** <detail>—Display detailed statistics

---

## <get-vcpu-information>

---

### Usage

```
<rpc>
  <get-vcpu-information>
```



```
<detail/>
<slot>slot</slot>
</get-vcpu-information>
</rpc>
```

**Description** Show Visibility CPU status

**Contents** <detail>—Display detailed output  
            <slot>—VCPU slot number

---

## <get-virtual-server-information>

---

### Usage

```
<rpc>
  <get-virtual-server-information>

  <virtual-server-name-information>virtual-server-name-information</virtual-server-name-information>

  <terse/>
  <detail/>
</get-virtual-server-information>
</rpc>
```

**Description** Show virtual server configuration information

**Contents** <virtual-server-name-information>—Show information for a specific server  
            <terse>—Display terse output  
            <detail>—Display detailed output

---

## <get-virtual-server-statistics-information>

---

### Usage

```
<rpc>
  <get-virtual-server-statistics-information>

  <virtual-server-name-statistics>virtual-server-name-statistics</virtual-server-name-statistics>

  <terse/>
  <detail/>
  <extensive/>
</get-virtual-server-statistics-information>
</rpc>
```

**Description** Show virtual server statistics

**Contents**    <virtual-server-name-statistics>—Show statistics for a specific server

                 <terse>—Display terse output

                 <detail>—Display detailed output

                 <extensive>—Display extensive output

---

## <get-vlan-domain-map-information>

---

### Usage

```
<rpc>
  <get-vlan-domain-map-information>
    <brief/>
    <detail/>
    <vlan>vlan</vlan>
  </get-vlan-domain-map-information>
</rpc>
```

**Description**    Show Vlan Domain Map information

**Contents**    <brief>—Display brief output (default)

                 <detail>—Display detailed output

                 <vlan>—Vlan index

---

## <get-vpls-all-ce-flood-route-information>

---

### Usage

```
<rpc>
  <get-vpls-all-ce-flood-route-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance> <!-- mandatory -->
  </get-vpls-all-ce-flood-route-information>
</rpc>
```

**Description**    Show route for flooding traffic to all CE routers

**Contents**    <logical-system>—Name of logical system

                 <instance>—Display information for a specified vpls

---

## <get-vpls-all-flood-route-information>

---

### Usage

```
<rpc>
  <get-vpls-all-flood-route-information>
    <logical-system>logical-system</logical-system>
```

```

    <instance>instance</instance> <!-- mandatory -->
  </get-vpls-all-flood-route-information>
</rpc>

```

**Description** Show route for flooding traffic from customer edge router

**Contents** <logical-system>—Name of logical system  
 <instance>—Display information for a specified vpls

### <get-vpls-alt-root-flood-route-information>

#### Usage

```

<rpc>
  <get-vpls-alt-root-flood-route-information>
    <interface>interface</interface> <!-- mandatory -->
  </get-vpls-alt-root-flood-route-information>
</rpc>

```

**Description** Show STP alt-root flooding route used for interface

**Contents** <interface>—Interface for which to show alternate-root flooding route

### <get-vpls-ce-flood-route-information>

#### Usage

```

<rpc>
  <get-vpls-ce-flood-route-information>
    <interface>interface</interface> <!-- mandatory -->
  </get-vpls-ce-flood-route-information>
</rpc>

```

**Description** Show customer edge flood route

**Contents** <interface>—Interface for which to show CE flood route

### <get-vpls-connection-information>

#### Usage

```

<rpc>
  <get-vpls-connection-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
    <local-site>local-site</local-site>
    <remote-site>remote-site</remote-site>
    <down/>
    <up/>

```

```
<up-down/>
<brief/>
<extensive/>
<history/>
<status/>
<summary/>
</get-vpls-connection-information>
</rpc>
```

**Description** Show VPLS connections information

**Contents**

- <logical-system>—Name of logical system, or 'all'
- <instance>—Name of VPLS instance
- <local-site>—Name or ID of VPLS local site
- <remote-site>—ID of VPLS remote site
- <down>—Display nonoperational connections
- <up>—Display operational connections
- <up-down>—Display both non- and operational connections (default)
- <brief>—Display one-line version of output
- <extensive>—Display connection status and history
- <history>—Display connection history
- <status>—Display connection and circuit status (default)
- <summary>—Display summary output

---

## <get-vpls-event-queue-information>

---

### Usage

```
<rpc>
<get-vpls-event-queue-information/>
</rpc>
```

**Description** Show queue of pending VPLS flood events

---

## <get-vpls-interface-mac-table>

---

### Usage

```
<rpc>
<get-vpls-interface-mac-table>
<interface-choice>interface-choice</interface-choice> <!-- mandatory -->
<interface-name>interface-name</interface-name>
```

```

    <all/>
    <detail/>
    <brief/>
    <extensive/>
    <count/>
    </get-vpls-interface-mac-table>
  </rpc>

```

**Description** Display MAC table for a specified interface

**Contents** <interface-name>—Name of interface for which to display table

<all>—Display MAC table for all the interfaces

<detail>—Display detailed output

<brief>—Display brief output

<extensive>—Display extensive output

<count>—Display count only

## <get-vpls-mac-table>

### Usage

```

<rpc>
  <get-vpls-mac-table>
    <instance>instance</instance>
    <logical-system>logical-system</logical-system>
    <vlan-id>vlan-id</vlan-id>
    <isid>isid</isid>
    <address>address</address>
    <detail/>
    <brief/>
    <extensive/>
    <count/>
  </get-vpls-mac-table>
</rpc>

```

**Description** Show media access control table

**Contents** <get-vpls-interface-mac-table>—Display MAC table for a specified interface

- all-vlan - Display MAC addresses on all VLAN(s)
- vlan-id - Display MAC address learned on a specified VLAN
- all-isid - Display Information for all ISID(s)
- isid - Display information for a specified ISID

<instance>—Display information for a specified vpls

- all-vlan - Display MAC addresses on all VLAN(s)
- vlan-id - Display MAC address learned on a specified VLAN
- all-isid - Display Information for all ISID(s)
- isid - Display information for a specified ISID

<logical-system>—Name of logical system, or 'all'

- all-vlan - Display MAC addresses on all VLAN(s)
- vlan-id - Display MAC address learned on a specified VLAN
- all-isid - Display Information for all ISID(s)
- isid - Display information for a specified ISID

<vlan-id>—Display MAC address learned on a specified VLAN

- all-vlan - Display MAC addresses on all VLAN(s)
- vlan-id - Display MAC address learned on a specified VLAN
- all-isid - Display Information for all ISID(s)
- isid - Display information for a specified ISID

<isid>—Display Information for specified ISID or all ISID(s)

- all-isid - Display Information for all ISID(s)
- isid - Display information for a specified ISID

<address>—MAC address

<detail>—Display detailed output

<brief>—Display brief output

<extensive>—Display extensive output

<count>—Display count only

---

## <get-vpls-mlp-flood-route-information>

---

### Usage

```
<rpc>
  <get-vpls-mlp-flood-route-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance> <!-- mandatory -->
  </get-vpls-mlp-flood-route-information>
</rpc>
```

**Description** Show route for flooding traffic to MAC learning chips

**Contents** <logical-system>—Name of logical system  
 <instance>—Display information for a specified vpls

### <get-vpls-re-flood-route-information>

---

**Usage**

```
<rpc>
  <get-vpls-re-flood-route-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance> <!-- mandatory -->
  </get-vpls-re-flood-route-information>
</rpc>
```

**Description** Show route for Routing Engine flooding to all interfaces

**Contents** <logical-system>—Name of logical system  
 <instance>—Display information for a specified vpls

### <get-vpls-statistics-information>

---

**Usage**

```
<rpc>
  <get-vpls-statistics-information>
    <logical-system>logical-system</logical-system>
    <instance>instance</instance>
  </get-vpls-statistics-information>
</rpc>
```

**Description** Show VPLS statistics information

**Contents** <logical-system>—Name of logical system, or 'all'  
 <instance>—Name of VPLS instance

### <get-vrrp-information>

---

**Usage**

```
<rpc>
  <get-vrrp-information>
    <brief/>
    <detail/>
    <extensive/>
    <summary/>
    <logical-system>logical-system</logical-system>
  </get-vrrp-information>
</rpc>
```

**Description** Show Virtual Router Redundancy Protocol information

**Contents**

- <brief>—Display brief output (default)
- <detail>—Display detailed output
- <extensive>—Display extensive output
- <summary>—Display summary output
- <get-vrrp-interface-information>—Show VRRP interface
- <get-vrrp-track-interfaces>—Show VRRP track interfaces
- <logical-system>—Name of logical system

---

### <get-vrrp-interface-information>

---

**Usage**

```
<rpc>
  <get-vrrp-interface-information>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
    <group>group</group>
    <logical-system>logical-system</logical-system>
  </get-vrrp-interface-information>
</rpc>
```

**Description** Show VRRP interface

**Contents**

- <interface-name>—Name of interface
- <group>—Number of VRRP group
- <logical-system>—Name of logical system

---

### <get-vrrp-track-interfaces>

---

**Usage**

```
<rpc>
  <get-vrrp-track-interfaces>
    <interfaces/>
    <summary/>
    <detail/>
    <logical-system>logical-system</logical-system>
  </get-vrrp-track-interfaces>
</rpc>
```

**Description** Show VRRP track interfaces



**Contents**    <interfaces>—Show all VRRP track interfaces

                 <summary>—Display summary output (default)

                 <detail>—Display detailed output

                 <logical-system>—Name of logical system

## <load-pki-ca-certificate>

---

### Usage

```
<rpc>
  <load-pki-ca-certificate>
    <ca-profile>ca-profile</ca-profile> <!-- mandatory -->
    <filename>filename</filename> <!-- mandatory -->
  </load-pki-ca-certificate>
</rpc>
```

**Description**    Load the certificate onto the routing platform

**Contents**    <ca-profile>—Certificate authority profile

                 <filename>—File pathname containing certificate to load

## <load-pki-crl>

---

### Usage

```
<rpc>
  <load-pki-crl>
    <ca-profile>ca-profile</ca-profile> <!-- mandatory -->
    <filename>filename</filename> <!-- mandatory -->
  </load-pki-crl>
</rpc>
```

**Description**    Load the CRL onto the routing platform

**Contents**    <ca-profile>—Certificate authority profile

                 <filename>—Pathname of file containing CRL to load

## <load-pki-local-certificate>

---

### Usage

```
<rpc>
  <load-pki-local-certificate>
    <certificate-id>certificate-id</certificate-id> <!-- mandatory -->
    <filename>filename</filename> <!-- mandatory -->
  </load-pki-local-certificate>
```

```
</rpc>
```

**Description** Load the certificate onto the routing platform

**Contents** <certificate-id>—Certificate identifier  
<filename>—File pathname containing certificate to load

---

## <network-services>

### Usage

```
<rpc>  
  <network-services/>  
</rpc>
```

**Description** Show chassis network services

---

## <next-snmp-object>

### Usage

```
<rpc>  
  <next-snmp-object>  
    <decimal/>  
    <ascii/>  
    <snmp-object-name>snmp-object-name</snmp-object-name> <!-- mandatory  
-->  
  </next-snmp-object>  
</rpc>
```

**Description** Get next SNMP object value

**Contents** <decimal>—Decimal format (default)  
<ascii>—Convert string indices to 'ascii-keys' representation  
<snmp-object-name>—

---

## <node-secret-file-table>

### Usage

```
<rpc>  
  <node-secret-file-table/>  
</rpc>
```

**Description** Show SecurID server's node secret file path

## <op-script>

---

**Usage**

```

<rpc>
  <op-script>
    <script>script</script> <!-- mandatory -->
    <detail/>
    <argument>argument</argument>
  </op-script>
</rpc>

```

**Description** Invoke an operation script

**Contents** <url>—Execution of remote op script

<script>—Name of script to run

<detail>—Display detailed output

<argument>—Argument to pass to script

## <other-routing-engine>

---

**Usage**

```

<rpc>
  <other-routing-engine/>
</rpc>

```

**Description** Execute command on other routing engine

## <ping>

---

**Usage**

```

<rpc>
  <ping>
    <count>count</count>
    <wait>wait</wait>
    <no-resolve/>
    <rapid/>
    <record-route/>
    <detail/>
    <do-not-fragment/>
    <loose-source>loose-source</loose-source>
    <interface>interface</interface>
    <interval>interval</interval>
    <source>source</source>
    <pattern>pattern</pattern>
    <size>size</size>
    <strict/>
  </ping>
</rpc>

```

```
<strict-source>strict-source</strict-source>
<ttl>ttl</ttl>
<verbose/>
<tos>tos</tos>
<bypass-routing/>
<inet/>
<inet6/>
<routing-instance>routing-instance</routing-instance>
<mac-address>mac-address</mac-address>
<host>host</host> <!-- mandatory -->
<logical-system>logical-system</logical-system>
</ping>
</rpc>
```

**Description** Ping remote target

**Contents**

- <mpls>—Ping label-switched path
- <vpls>—Ping VPLS MAC address
- <fibre-channel>—Probe fibre channel node
- <count>—Number of ping requests to send
- <wait>—Delay after sending last packet
- <no-resolve>—Don't attempt to print addresses symbolically
- <rapid>—Send requests rapidly (default count of 5)
- <record-route>—Record and report packet's path (IPv4)
- <detail>—Display incoming interface of received packet
- <do-not-fragment>—Don't fragment echo request packets (IPv4)
- <loose-source>—Intermediate loose source route entry (IPv4)
- <interface>—Source interface (multicast, all-ones, unrouted packets)
- <interval>—Delay between ping requests
- <source>—Source address of echo request
- <pattern>—Hexadecimal fill pattern
- <size>—Size of request packets
- <strict>—Use strict source route option (IPv4)
- <strict-source>—Intermediate strict source route entry (IPv4)
- <ttl>—IP time-to-live value (IPv6 hop-limit value)
- <verbose>—Display detailed output

<tos>—IP type-of-service value

<bypass-routing>—Bypass routing table, use specified interface

<inet>—Force ping to IPv4 destination

<inet6>—Force ping to IPv6 destination

<routing-instance>—Routing instance for ping attempt

<mac-address>—MAC address of the nexthop in xx:xx:xx:xx:xx:xx format

<host>—Hostname or IP address of remote host

<logical-system>—Name of logical system

<request-ping-ethernet>—Ping to an ethernet host by unicast mac address

### <pppoe-connect-session>

#### Usage

```
<rpc>
  <pppoe-connect-session>
    <interface>interface</interface>
  </pppoe-connect-session>
</rpc>
```

**Description** PPPoE session connect

**Contents** <interface>—Enter PPPoE interface name

### <pppoe-diconnect-session>

#### Usage

```
<rpc>
  <pppoe-diconnect-session>
    <interface>interface</interface>
  </pppoe-diconnect-session>
</rpc>
```

**Description** PPPoE session disconnect

**Contents** <interface>—Enter PPPoE interface name or session id

### <reload-eedebg-action-profile>

#### Usage

```
<rpc>
  <reload-eedebg-action-profile/>
```

```
</rpc>
```

**Description** Reload all datapath-debug action profile

---

## <reload-event-scripts>

---

### Usage

```
<rpc>
  <reload-event-scripts/>
</rpc>
```

**Description** Reload all existing event-scripts

---

## <remove-diagnostic-routing-engine-contents>

---

### Usage

```
<rpc>
  <remove-diagnostic-routing-engine-contents>
    <local/>
    <repository>repository</repository>
    <name-tag>name-tag</name-tag>
    <dry-run/>
    <component>component</component>
  </remove-diagnostic-routing-engine-contents>
</rpc>
```

**Description** Remove debug repository contents in the diagnostic routing engine

**Contents** <local>—Remove contents of local repository

- core - Remove 'core' repository
- log - Remove 'log' repository

<repository>—Specify type of repository for display

- core - Remove 'core' repository
- log - Remove 'log' repository

<name-tag>—Remove all debug file(s) matching name-tag

<dry-run>—Only list cleanup candidates, donot remove them

<component>—Name of the component (uuid or serial number or all)

## <request-appid-application-package-download>

**Usage**

```
<rpc>
  <request-appid-application-package-download>
  </request-appid-application-package-download>
</rpc>
```

**Description** Download application package

**Contents** <request-appid-application-package-download-version>—Version of application package to download

<request-appid-application-package-download-status>—Download and display installation status

## <request-appid-application-package-download-status>

**Usage**

```
<rpc>
  <request-appid-application-package-download-status/>
</rpc>
```

**Description** Download and display installation status

## <request-appid-application-package-download-version>

**Usage**

```
<rpc>
  <request-appid-application-package-download-version>
    <version-value>version-value</version-value> <!-- mandatory -->
  </request-appid-application-package-download-version>
</rpc>
```

**Description** Version of application package to download

**Contents** <version-value>—Version number (1 - 65535)

## <request-appid-application-package-uninstall>

**Usage**

```
<rpc>
  <request-appid-application-package-uninstall>
    <all/>
    <predefined/>
    <customer-defined/>
```

```
</request-appid-application-package-uninstall>  
</rpc>
```

**Description** Uninstall application package

**Contents** <all>—Uninstall both predefined and customer defined applications  
<predefined>—Uninstall predefined applications  
<customer-defined>—Uninstall customer defined applications

---

## <request-chassis-beacon>

---

### Usage

```
<rpc>  
  <request-chassis-beacon>  
    <off/>  
    <on/>  
    <which-arg>which-arg</which-arg>  
    <all/>  
    <fpc>fpc</fpc>  
    <cb>cb</cb>  
  </request-chassis-beacon>  
</rpc>
```

**Description** Change beacon status

**Contents** <off>—Turn beacon off  
<on>—Turn beacon on  
<all>—All beacons  
<fpc>—Flexible PIC Controller slot number  
<cb>—Control Board slot number

---

## <request-delete-rescue-configuration>

---

### Usage

```
<rpc>  
  <request-delete-rescue-configuration/>  
</rpc>
```

**Description** Delete the rescue configuration



## <request-dhcp-server-reconfigure-information>

### Usage

```

<rpc>
  <request-dhcp-server-reconfigure-information>
    <reconfigure-choice>reconfigure-choice</reconfigure-choice> <!-- mandatory -->
    <address>address</address>
    <all/>
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </request-dhcp-server-reconfigure-information>
</rpc>

```

**Description** Perform DHCP server reconfigure operation

**Contents** <address>—IP address or MAC address or Session Id of DHCP client binding

<all>—Reconfigure all clients

<interface>—Name of interface

<routing-instance>—Name of routing instance

<logical-system>—Name of logical system

## <request-dhcpv6-server-reconfigure-information>

### Usage

```

<rpc>
  <request-dhcpv6-server-reconfigure-information>
    <reconfigure-choice>reconfigure-choice</reconfigure-choice> <!-- mandatory -->
    <address>address</address>
    <all/>
    <routing-instance>routing-instance</routing-instance>
    <logical-system>logical-system</logical-system>
  </request-dhcpv6-server-reconfigure-information>
</rpc>

```

**Description** Perform DHCPv6 server reconfigure operation

**Contents** <address>—Ipv6 Prefix or session-id or CID <cid-len/0x.../0x...> of DHCPv6 client binding

<all>—Reconfigure all clients

<interface>—Name of interface

<routing-instance>—Name of routing instance

<logical-system>—Name of logical system

## <request-end-session>

---

**Usage**

```
<rpc>
  <request-end-session/>
</rpc>
```

**Description** Exit the management session

## <request-feb>

---

**Usage**

```
<rpc>
  <request-feb>
    <slot>slot</slot> <!-- mandatory -->
    <offline/>
    <online/>
    <restart/>
  </request-feb>
</rpc>
```

**Description** Change Forwarding Engine Board status

**Contents** <slot>—FEB slot number

<offline>—Take FEB offline

<online>—Bring FEB online

<restart>—Restart FEB

## <request-ggsn-restart-interface>

---

**Usage**

```
<rpc>
  <request-ggsn-restart-interface>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </request-ggsn-restart-interface>
</rpc>
```

**Description** Restart GGSN service interface

**Contents** <interface-name>—Name of GGSN service interface

### <request-ggsn-restart-node>

---

**Usage**

```
<rpc>
  <request-ggsn-restart-node/>
</rpc>
```

**Description** Restart GGSN node activity

### <request-ggsn-software-update>

---

**Usage**

```
<rpc>
  <request-ggsn-software-update/>
</rpc>
```

**Description** Start GGSN in service update

### <request-ggsn-start-imsi-trace>

---

**Usage**

```
<rpc>
  <request-ggsn-start-imsi-trace>
    <imsi-identifier>imsi-identifier</imsi-identifier> <!-- mandatory -->
  </request-ggsn-start-imsi-trace>
</rpc>
```

**Description** Start tracing International Mobile Subscriber Identity

**Contents** <imsi-identifier>—Identifier for IMSI

### <request-ggsn-start-msisdn-trace>

---

**Usage**

```
<rpc>
  <request-ggsn-start-msisdn-trace>
    <msisdn-identifier>msisdn-identifier</msisdn-identifier> <!-- mandatory -->
  </request-ggsn-start-msisdn-trace>
</rpc>
```

**Description** Start tracing Mobile Station Integrated Services Digital Network

**Contents** <msisdn-identifier>—Identifier for MSISDN

## <request-ggsn-stop-imsi-trace>

---

**Usage**

```
<rpc>
  <request-ggsn-stop-imsi-trace>
    <imsi-identifier>imsi-identifier</imsi-identifier> <!-- mandatory -->
  </request-ggsn-stop-imsi-trace>
</rpc>
```

**Description** Stop tracing International Mobile Subscriber Identity

**Contents** <imsi-identifier>—Identifier for IMSI

## <request-ggsn-stop-interface>

---

**Usage**

```
<rpc>
  <request-ggsn-stop-interface>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </request-ggsn-stop-interface>
</rpc>
```

**Description** Stop GGSN service interface

**Contents** <interface-name>—Name of GGSN service interface

## <request-ggsn-stop-msisdn-trace>

---

**Usage**

```
<rpc>
  <request-ggsn-stop-msisdn-trace>
    <msisdn-identifier>msisdn-identifier</msisdn-identifier> <!-- mandatory -->
  </request-ggsn-stop-msisdn-trace>
</rpc>
```

**Description** Stop tracing Mobile Station Integrated Services Digital Network

**Contents** <msisdn-identifier>—Identifier for MSISDN

## <request-ggsn-stop-node>

---

**Usage**

```
<rpc>
  <request-ggsn-stop-node/>
</rpc>
```

**Description** Stop GGSN node activity

### <request-ggsn-stop-trace-activity>

---

**Usage**

```
<rpc>
  <request-ggsn-stop-trace-activity/>
</rpc>
```

**Description** Stop all tracing

### <request-ggsn-terminate-context>

---

**Usage**

```
<rpc>
  <request-ggsn-terminate-context>
    <imsi>imsi</imsi> <!-- mandatory -->
    <nsapi>nsapi</nsapi>
  </request-ggsn-terminate-context>
</rpc>
```

**Description** Terminate specified kind of PDP context

**Contents** <request-ggsn-terminate-msisdn-context>—Terminate context for Mobile Station Integrated Services Digital Network

<imsi>—Identifier for International Mobile Subscriber Identity

<nsapi>—Network layer service access point identifier

### <request-ggsn-terminate-contexts-apn>

---

**Usage**

```
<rpc>
  <request-ggsn-terminate-contexts-apn>
    <apn-name>apn-name</apn-name> <!-- mandatory -->
    <user-category>user-category</user-category>
  </request-ggsn-terminate-contexts-apn>
</rpc>
```

**Description** Terminate all PDP contexts in access point name

**Contents** <apn-name>—Name of access point name

- default -
- user-value -

<user-category>—Name of user category ('default' or 1..63)

- default -
- user-value -

---

## <request-ggsn-terminate-msisdn-context>

---

### Usage

```
<rpc>
  <request-ggsn-terminate-msisdn-context>
    <msisdn>msisdn</msisdn> <!-- mandatory -->
  </request-ggsn-terminate-msisdn-context>
</rpc>
```

**Description** Terminate context for Mobile Station Integrated Services Digital Network

**Contents** <msisdn>—Identifier for MSISDN

---

## <request-halt>

---

### Usage

```
<rpc>
  <request-halt>
    <at>at</at>
    <in>in</in>
    <message>message</message>
    <power-off>power-off</power-off>
    <media>media</media>
    <slice>slice</slice>
    <both-routing-engines/>
    <other-routing-engine/>
  </request-halt>
</rpc>
```

**Description** Halt the system

**Contents** <at>—Time at which to perform the operation

- fpc - Power off FPCs
- disk - Boot off hard disk
- compact-flash - Standard boot off flash device
- pcmcia-flash - Boot off removable PCMCIA device
- lan - Network boot via bootp
- usb - Boot off USB device
- recovery-compact-flash - Boot off recovery partition of compact flash

- removable-compact-flash - Boot off removable compact flash device
- external - Boot from external flash
- internal - Boot from internal flash
- nand-flash0 - Boot off nand-flash0
- nand-flash1 - Boot off nand-flash1
- alternate - Boot from alternate partition
- 1 - Boot from first partition
- 2 - Boot from second partition

<in>—Number of minutes to delay before operation

- fpc - Power off FPCs
- disk - Boot off hard disk
- compact-flash - Standard boot off flash device
- pcmcia-flash - Boot off removable PCMCIA device
- lan - Network boot via bootp
- usb - Boot off USB device
- recovery-compact-flash - Boot off recovery partition of compact flash
- removable-compact-flash - Boot off removable compact flash device
- external - Boot from external flash
- internal - Boot from internal flash
- nand-flash0 - Boot off nand-flash0
- nand-flash1 - Boot off nand-flash1
- alternate - Boot from alternate partition
- 1 - Boot from first partition
- 2 - Boot from second partition

<message>—Message to display to all users

- fpc - Power off FPCs
- disk - Boot off hard disk
- compact-flash - Standard boot off flash device
- pcmcia-flash - Boot off removable PCMCIA device
- lan - Network boot via bootp
- usb - Boot off USB device
- recovery-compact-flash - Boot off recovery partition of compact flash

- removable-compact-flash - Boot off removable compact flash device
- external - Boot from external flash
- internal - Boot from internal flash
- nand-flash0 - Boot off nand-flash0
- nand-flash1 - Boot off nand-flash1
- alternate - Boot from alternate partition
- 1 - Boot from first partition
- 2 - Boot from second partition

<power-off>—Power-off FRUs before shutting down RE

- fpc - Power off FPCs
- disk - Boot off hard disk
- compact-flash - Standard boot off flash device
- pcmcia-flash - Boot off removable PCMCIA device
- lan - Network boot via bootp
- usb - Boot off USB device
- recovery-compact-flash - Boot off recovery partition of compact flash
- removable-compact-flash - Boot off removable compact flash device
- external - Boot from external flash
- internal - Boot from internal flash
- nand-flash0 - Boot off nand-flash0
- nand-flash1 - Boot off nand-flash1
- alternate - Boot from alternate partition
- 1 - Boot from first partition
- 2 - Boot from second partition

<media>—Boot media for next boot

- disk - Boot off hard disk
- compact-flash - Standard boot off flash device
- pcmcia-flash - Boot off removable PCMCIA device
- lan - Network boot via bootp
- usb - Boot off USB device
- recovery-compact-flash - Boot off recovery partition of compact flash
- removable-compact-flash - Boot off removable compact flash device



- external - Boot from external flash
- internal - Boot from internal flash
- nand-flash0 - Boot off nand-flash0
- nand-flash1 - Boot off nand-flash1
- alternate - Boot from alternate partition
- 1 - Boot from first partition
- 2 - Boot from second partition

<slice>—Partition on boot media to boot from

- alternate - Boot from alternate partition
- 1 - Boot from first partition
- 2 - Boot from second partition

<both-routing-engines>—Halt both Routing Engines

<other-routing-engine>—Halt other Routing Engine

---

## <request-idp-policy-load>

---

### Usage

```
<rpc>
  <request-idp-policy-load>
    <policy>policy</policy>
    <no-ai/>
    <detector>detector</detector>
  </request-idp-policy-load>
</rpc>
```

**Description** Load a compiled policy

**Contents** <policy>—Compiled policy file name

<no-ai>—Application identification flag

<detector>—Detector file name

---

## <request-idp-security-package-download>

---

### Usage

```
<rpc>
  <request-idp-security-package-download>
    <re-selector-idpd>re-selector-idpd</re-selector-idpd>
    <re0/>
    <re1/>
    <download-choice>download-choice</download-choice>
  </request-idp-security-package-download>
</rpc>
```

```
<full-update/>
<check-server/>
<policy-templates/>
<precompiled-policy/>
<status/>
<policy-template-file/>
<policy-template-result/>
</request-idp-security-package-download>
</rpc>
```

**Description** Download security package (Package includes detector and deltas for attack table)

**Contents** <re0>—RE0

<re1>—RE1

<full-update>—Download package with complete attack table

<check-server>—Retrieve version information for latest package on server

<policy-templates>—Download policy templates

<precompiled-policy>—Download pre-compiled 'Recommended' policy and detector for it

<status>—Retrieve the status of security package download operation

<policy-template-file>—Current status of policy template file

<policy-template-result>—Status of policy templates operation

<request-idp-security-package-download-version>—Version of package to download

---

## <request-idp-security-package-download-version>

---

### Usage

```
<rpc>
<request-idp-security-package-download-version>
  <re-selector-idpd>re-selector-idpd</re-selector-idpd>
  <re0/>
  <re1/>
  <version-value>version-value</version-value> <!-- mandatory -->
  <full-update/>
</request-idp-security-package-download-version>
</rpc>
```

**Description** Version of package to download

**Contents** <re0>—RE0

<re1>—RE1

<version-value>—Version number

<full-update>—Download package with complete attack table

## <request-idp-security-package-install>

### Usage

```
<rpc>
  <request-idp-security-package-install>
    <re-selector-idpd>re-selector-idpd</re-selector-idpd>
    <re0/>
    <re1/>
    <install-choice>install-choice</install-choice>
    <update-attack-database-only/>
    <policy-templates/>
    <precompiled-policy/>
    <older-detector/>
    <status/>
    <policy-template-result/>
  </request-idp-security-package-install>
</rpc>
```

**Description** Update attack database, active policy, detector with new package

**Contents** <re0>—RE0

<re1>—RE1

<update-attack-database-only>—Don't update/push active policy or detector to data plane

<policy-templates>—Update previously installed policy-templates with newly downloaded ones

<precompiled-policy>—Update dataplane 'Recommended' policy and detector for it with newly downloaded ones

<older-detector>—Update dataplane with older detector

<status>—Retrieve the status of security package load operation

<policy-template-result>—Status of policy templates operation

## <request-idp-ssl-key-add>

### Usage

```
<rpc>
  <request-idp-ssl-key-add>
    <key-name>key-name</key-name> <!-- mandatory -->
    <file>file</file>
    <password>password</password>
```

```
<server>server</server>
<tcp-port>tcp-port</tcp-port>
</request-idp-ssl-key-add>
</rpc>
```

**Description** Add SSL key and server

**Contents** <key-name>—Key name

<file>—Key file

<password>—Password used to encrypt private key

<server>—Server IP address

<tcp-port>—Server TCP port

---

### <request-idp-ssl-key-delete>

---

**Usage**

```
<rpc>
<request-idp-ssl-key-delete>
  <key-name>key-name</key-name>
  <server>server</server>
  <tcp-port>tcp-port</tcp-port>
</request-idp-ssl-key-delete>
</rpc>
```

**Description** Delete SSL keys and servers

**Contents** <key-name>—Key name

<server>—Server IP address

<tcp-port>—Server TCP port

---

### <request-lacp-link-protection-switchover>

---

**Usage**

```
<rpc>
<request-lacp-link-protection-switchover>
  <interface-name>interface-name</interface-name> <!-- mandatory -->
</request-lacp-link-protection-switchover>
</rpc>
```

**Description** Request LACP link protection switchover

**Contents** <interface-name>—Name of AE interface

## <request-license-delete>

### Usage

```
<rpc>
  <request-license-delete>
    <license-identifier>license-identifier</license-identifier> <!-- mandatory -->
  </request-license-delete>
</rpc>
```

**Description** Delete license keys

**Contents** <license-identifier>—Identifier of installed license key

## <request-license-update>

### Usage

```
<rpc>
  <request-license-update>
    <trial/>
  </request-license-update>
</rpc>
```

**Description** Start autoupdate license keys from LMS servers

**Contents** <trial>—Start autoupdate trial license keys from LMS servers

## <request-logout-user>

### Usage

```
<rpc>
  <request-logout-user>
    <all/>
    <user>user</user>
    <terminal>terminal</terminal>
    <pid>pid</pid>
  </request-logout-user>
</rpc>
```

**Description** Forcibly end user's CLI login session

**Contents** <all>—Logout all sessions owned by user

<user>—Name of user

<terminal>—Terminal user is logged in to

<pid>—Management process ID for user

## <request-monitor-ethernet-delay-measurement>

---

### Usage

```
<rpc>
  <request-monitor-ethernet-delay-measurement>
    <one-way/>
    <two-way/>
    <wait>wait</wait>
    <count>count</count>
    <maintenance-domain>maintenance-domain</maintenance-domain> <!--
mandatory -->
    <maintenance-association>maintenance-association</maintenance-association>
<!-- mandatory -->
    <remote-mac-address>remote-mac-address</remote-mac-address>
    <mep>mep</mep>
    <priority>priority</priority>
    <size>size</size>
    <no-session-id-tlv/>
    <logical-system>logical-system</logical-system>
  </request-monitor-ethernet-delay-measurement>
</rpc>
```

**Description** Trigger ethernet delay measurement from local to remote host

### Contents

<one-way>—One-way delay measurement

<two-way>—Two-way delay measurement

<wait>—Delay after sending last packet

<count>—Number of delay measurement requests to send

<maintenance-domain>—Name of maintenance domain

<maintenance-association>—Name of maintenance association

<remote-mac-address>—MAC address of remote host in xx:xx:xx:xx:xx:xx format

<mep>—MEP identifier of remote host

<priority>—Priority (802.1p) value of delay measurement request frame

<size>—Size of data in data TLV of request packets

<no-session-id-tlv>—Suppress insertion of session id tlv in request packet

<logical-system>—Name of logical system

## <request-monitor-ethernet-loss-measurement>

---

### Usage

```
<rpc>
```

```

<request-monitor-ethernet-loss-measurement>
  <wait>wait</wait>
  <count>count</count>
  <maintenance-domain>maintenance-domain</maintenance-domain> <!--
mandatory -->
  <maintenance-association>maintenance-association</maintenance-association>
<!-- mandatory -->
  <remote-mac-address>remote-mac-address</remote-mac-address>
  <mep>mep</mep>
  <priority>priority</priority>
  <no-session-id-tlv/>
</request-monitor-ethernet-loss-measurement>
</rpc>

```

**Description** Trigger ethernet loss measurement from local to remote host

**Contents**

- <wait>—Delay after sending last packet
- <count>—Number of loss measurement requests to send
- <maintenance-domain>—Name of maintenance domain
- <maintenance-association>—Name of maintenance association
- <remote-mac-address>—MAC address of remote host in xx:xx:xx:xx:xx:xx format
- <mep>—MEP identifier of remote host
- <priority>—Priority (802.1p) value of the loss measurement request frame
- <no-session-id-tlv>—Suppress insertion of session id tlv in request packet

## <request-package-add>

### Usage

```

<rpc>
  <request-package-add>
    <force/>
    <reboot/>
    <delay-restart/>
    <no-copy/>
    <validate_choice>validate_choice</validate_choice>
    <no-validate/>
    <validate/>
    <best-effort-load/>
    <unlink/>
    <partition/>
    <package-options>package-options</package-options> <!-- mandatory -->
    <set>set</set>
    <package-name>package-name</package-name>
    <re-choice>re-choice</re-choice>
    <re0/>
    <re1/>
  </request-package-add>
</rpc>

```

```

    <chassis>chassis</chassis>
    <scc/>
    <lcc>lcc</lcc>
    <sfc/>
    <member>member</member>
    <dont-forward/>
  </request-package-add>
</rpc>

```

**Description** Add extension or upgrade package

**Contents**

- <force>—Force addition of package (ignore warnings)
- <reboot>—Reboot system after adding package
- <delay-restart>—Don't restart processes
- <no-copy>—Don't save copies of package files
- <no-validate>—Don't check compatibility with current configuration
- <validate>—Check compatibility with current configuration
- <best-effort-load>—Load succeeds if at least one statement is valid
- <unlink>—Remove the package after successful installation
- <partition>—Format and re-partition the media before installation
- <set>—List of URLs or pathnames corresponding to packages
- <package-name>—URL or pathname of package
- <re0>—Install package on RE0
- <re1>—Install package on RE1
- <scc>—Install package on SCC
- <lcc>—Install package on an LCC
- <sfc>—Install package on SFC
- <member>—Install package on VC Member
- <dont-forward>—

---

## <request-package-delete>

---

### Usage

```

  <rpc>
    <request-package-delete>
      <force/>

```



```

    <package-name>package-name</package-name> <!-- mandatory -->
  </request-package-delete>
</rpc>

```

**Description** Remove extension or upgrade package

**Contents** <force>—Force removal of package (ignore warnings)  
 <package-name>—Name of package

### <request-package-delete-backup>

---

**Usage**

```

<rpc>
  <request-package-delete-backup/>
</rpc>

```

**Description** Delete old system software packages

### <request-package-in-service-upgrade>

---

**Usage**

```

<rpc>
  <request-package-in-service-upgrade>
    <reboot/>
    <package-name>package-name</package-name> <!-- mandatory -->
    <no-old-master-upgrade/>
    <no-copy/>
    <unlink/>
  </request-package-in-service-upgrade>
</rpc>

```

**Description** In-service software upgrade

**Contents** <reboot>—Reboot system after adding package  
 <package-name>—URL or pathname of package  
 <no-old-master-upgrade>—Don't upgrade the old master after switchover  
 <no-copy>—Don't save copies of package files  
 <unlink>—Remove the package after successful installation

### <request-package-nonstop-upgrade>

---

**Usage**

```

<rpc>

```

```
<request-package-nonstop-upgrade>
  <reboot/>
  <package-name>package-name</package-name> <!-- mandatory -->
  <no-old-master-upgrade/>
  <no-copy/>
  <unlink/>
</request-package-nonstop-upgrade>
</rpc>
```

**Description** Nonstop software upgrade

**Contents** <reboot>—Reboot system after adding package

<package-name>—URL or pathname of package

<no-old-master-upgrade>—Don't upgrade the old master after switchover

<no-copy>—Don't save copies of package files

<unlink>—Remove the package after successful installation

---

## <request-package-rollback>

### Usage

```
<rpc>
  <request-package-rollback/>
</rpc>
```

**Description** Attempt to roll back to previous set of packages

---

## <request-package-validate>

### Usage

```
<rpc>
  <request-package-validate>
    <package-name>package-name</package-name> <!-- mandatory -->
    <chassis>chassis</chassis>
    <scc/>
    <lcc>lcc</lcc>
    <sfc/>
    <member>member</member>
    <dont-forward/>
  </request-package-validate>
</rpc>
```

**Description** Verify package compatibility with current configuration

**Contents** <check-in-service-upgrade>—Check in-service software upgrade

<package-name>—URL or path of package

<sc>—Validate package on SCC

<lcc>—Validate package on an LCC

<sfc>—Validate package on SFC

<member>—Install package on VC Member

<dont-forward>—

## <request-ping-bgp-lsp>

### Usage

```
<rpc>
<request-ping-bgp-lsp>
  <fec>fec</fec> <!-- mandatory -->
  <bottom-label-ttl>bottom-label-ttl</bottom-label-ttl>
  <instance>instance</instance>
  <count>count</count>
  <source>source</source>
  <destination>destination</destination>
  <exp>exp</exp>
  <detail/>
  <size>size</size>
  <sweep/>
  <logical-system>logical-system</logical-system>
</request-ping-bgp-lsp>
</rpc>
```

**Description** Ping BGP-signaled LSP

**Contents**

- <fec>—IP prefix/length of forwarding equivalence class
- <bottom-label-ttl>—Time to live for the bottom label in the label stack
- <instance>—Routing-instance name
- <count>—Number of ping requests to send
- <source>—IP source address of echo request
- <destination>—IP address of destination for echo request
- <exp>—Forwarding class
- <detail>—Display detailed output
- <size>—Size of lsp ping request packet
- <sweep>—Incremental ping to find MTU

<logical-system>—Name of logical system

---

## <request-ping-ethernet>

---

### Usage

```
<rpc>
  <request-ping-ethernet>
    <wait>wait</wait>
    <size>size</size>
    <count>count</count>
    <maintenance-domain>maintenance-domain</maintenance-domain> <!--
mandatory -->
    <maintenance-association>maintenance-association</maintenance-association>
<!-- mandatory -->
    <host>host</host>
    <mep>mep</mep>
    <logical-system>logical-system</logical-system>
  </request-ping-ethernet>
</rpc>
```

**Description** Ping to an ethernet host by unicast mac address

**Contents**

- <wait>—Delay after sending last packet
- <size>—Size of data TLV in request packets
- <count>—Number of ping requests to send
- <maintenance-domain>—Name of maintenance domain
- <maintenance-association>—Name of maintenance association
- <host>—MAC address of remote host in xx:xx:xx:xx:xx:xx format
- <mep>—MEP identifier of remote host
- <logical-system>—Name of logical system

---

## <request-ping-l2circuit-interface>

---

### Usage

```
<rpc>
  <request-ping-l2circuit-interface>
    <v1/>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
    <reply-mode>reply-mode</reply-mode>
    <count>count</count>
    <source>source</source>
    <destination>destination</destination>
    <exp>exp</exp>
    <detail/>
    <size>size</size>
```

```

    <sweep/>
    <logical-system>logical-system</logical-system>
  </request-ping-l2circuit-interface>
</rpc>

```

**Description** Locate LSP from interface name

**Contents** <v1>—Ping using Layer 2 circuit TLV (type 9)

- no-reply - Do not reply
- ip-udp - Reply via an IPv4 or IPv6 UDP packet
- application-level-control-channel - Reply via application level control channel

<interface-name>—Interface name

- no-reply - Do not reply
- ip-udp - Reply via an IPv4 or IPv6 UDP packet
- application-level-control-channel - Reply via application level control channel

<reply-mode>—Reply mode for ping request

- no-reply - Do not reply
- ip-udp - Reply via an IPv4 or IPv6 UDP packet
- application-level-control-channel - Reply via application level control channel

<count>—Number of ping requests to send

<source>—IP source address of echo request

<destination>—IP address of destination for echo request

<exp>—Forwarding class

<detail>—Display detailed output

<size>—Size of lsp ping request packet

<sweep>—Incremental ping to find MTU

<logical-system>—Name of logical system

## <request-ping-l2circuit-virtual-circuit>

### Usage

```

<rpc>
  <request-ping-l2circuit-virtual-circuit>
    <v1/>
    <neighbor>neighbor</neighbor> <!-- mandatory -->
    <virtual-circuit-id>virtual-circuit-id</virtual-circuit-id> <!-- mandatory -->
  </request-ping-l2circuit-virtual-circuit>
</rpc>

```

```
<reply-mode>reply-mode</reply-mode>
<count>count</count>
<source>source</source>
<destination>destination</destination>
<exp>exp</exp>
<detail/>
<size>size</size>
<sweep/>
<logical-system>logical-system</logical-system>
</request-ping-l2circuit-virtual-circuit>
</rpc>
```

**Description** Locate LSP from virtual circuit information

**Contents** <v1>—Ping using Layer 2 circuit TLV (type 9)

- no-reply - Do not reply
- ip-udp - Reply via an IPv4 or IPv6 UDP packet
- application-level-control-channel - Reply via application level control channel

<neighbor>—Address of remote neighbor

- no-reply - Do not reply
- ip-udp - Reply via an IPv4 or IPv6 UDP packet
- application-level-control-channel - Reply via application level control channel

<virtual-circuit-id>—Layer 2 circuit identifier

- no-reply - Do not reply
- ip-udp - Reply via an IPv4 or IPv6 UDP packet
- application-level-control-channel - Reply via application level control channel

<reply-mode>—Reply mode for ping request

- no-reply - Do not reply
- ip-udp - Reply via an IPv4 or IPv6 UDP packet
- application-level-control-channel - Reply via application level control channel

<count>—Number of ping requests to send

<source>—IP source address of echo request

<destination>—IP address of destination for echo request

<exp>—Forwarding class

<detail>—Display detailed output

<size>—Size of lsp ping request packet

<sweep>—Incremental ping to find MTU

<logical-system>—Name of logical system

## <request-ping-l2vpn-instance>

### Usage

```
<rpc>
  <request-ping-l2vpn-instance>
    <instance-name>instance-name</instance-name> <!-- mandatory -->
    <local-site-id>local-site-id</local-site-id> <!-- mandatory -->
    <remote-site-id>remote-site-id</remote-site-id> <!-- mandatory -->
    <bottom-label-ttl>bottom-label-ttl</bottom-label-ttl>
    <reply-mode>reply-mode</reply-mode>
    <count>count</count>
    <source>source</source>
    <destination>destination</destination>
    <exp>exp</exp>
    <detail/>
    <size>size</size>
    <sweep/>
    <logical-system>logical-system</logical-system>
  </request-ping-l2vpn-instance>
</rpc>
```

**Description** Instance to which this connection belongs

**Contents** <instance-name>—Layer 2 VPN name

- no-reply - Do not reply
- ip-udp - Reply via an IPv4 or IPv6 UDP packet
- application-level-control-channel - Reply via application level control channel

<local-site-id>—Layer 2 VPN local site identifier

- no-reply - Do not reply
- ip-udp - Reply via an IPv4 or IPv6 UDP packet
- application-level-control-channel - Reply via application level control channel

<remote-site-id>—Layer 2 VPN remote site identifier

- no-reply - Do not reply
- ip-udp - Reply via an IPv4 or IPv6 UDP packet
- application-level-control-channel - Reply via application level control channel

<bottom-label-ttl>—Time to live for the bottom label in the label stack

- no-reply - Do not reply

- ip-udp - Reply via an IPv4 or IPv6 UDP packet
- application-level-control-channel - Reply via application level control channel

<reply-mode>—Reply mode for ping request

- no-reply - Do not reply
- ip-udp - Reply via an IPv4 or IPv6 UDP packet
- application-level-control-channel - Reply via application level control channel

<count>—Number of ping requests to send

<source>—IP source address of echo request

<destination>—IP address of destination for echo request

<exp>—Forwarding class

<detail>—Display detailed output

<size>—Size of lsp ping request packet

<sweep>—Incremental ping to find MTU

<logical-system>—Name of logical system

---

## <request-ping-l2vpn-interface>

---

### Usage

```
<rpc>
  <request-ping-l2vpn-interface>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
    <bottom-label-ttl>bottom-label-ttl</bottom-label-ttl>
    <reply-mode>reply-mode</reply-mode>
    <count>count</count>
    <source>source</source>
    <destination>destination</destination>
    <exp>exp</exp>
    <detail/>
    <size>size</size>
    <sweep/>
    <logical-system>logical-system</logical-system>
  </request-ping-l2vpn-interface>
</rpc>
```

**Description** Locate LSP using interface name

**Contents** <interface-name>—Interface name

- no-reply - Do not reply
- ip-udp - Reply via an IPv4 or IPv6 UDP packet



- application-level-control-channel - Reply via application level control channel

<bottom-label-ttl>—Time to live for the bottom label in the label stack

- no-reply - Do not reply
- ip-udp - Reply via an IPv4 or IPv6 UDP packet
- application-level-control-channel - Reply via application level control channel

<reply-mode>—Reply mode for ping request

- no-reply - Do not reply
- ip-udp - Reply via an IPv4 or IPv6 UDP packet
- application-level-control-channel - Reply via application level control channel

<count>—Number of ping requests to send

<source>—IP source address of echo request

<destination>—IP address of destination for echo request

<exp>—Forwarding class

<detail>—Display detailed output

<size>—Size of lsp ping request packet

<sweep>—Incremental ping to find MTU

<logical-system>—Name of logical system

## <request-ping-l3vpn>

### Usage

```
<rpc>
  <request-ping-l3vpn>
    <l3vpn-name>l3vpn-name</l3vpn-name> <!-- mandatory -->
    <prefix>prefix</prefix> <!-- mandatory -->
    <bottom-label-ttl>bottom-label-ttl</bottom-label-ttl>
    <count>count</count>
    <source>source</source>
    <destination>destination</destination>
    <exp>exp</exp>
    <detail/>
    <size>size</size>
    <sweep/>
    <logical-system>logical-system</logical-system>
  </request-ping-l3vpn>
</rpc>
```

**Description** Ping LSP to Layer 3 VPN prefix

|                 |   |
|-----------------|---|
| <b>Contents</b> | <b>&lt;l3vpn-name&gt;</b> —Name of Layer 3 VPN  |
|                 | <b>&lt;prefix&gt;</b> —IP prefix/length of Layer 3 VPN                                |
|                 | <b>&lt;bottom-label-ttl&gt;</b> —Time to live for the bottom label in the label stack |
|                 | <b>&lt;count&gt;</b> —Number of ping requests to send                                 |
|                 | <b>&lt;source&gt;</b> —IP source address of echo request                              |
|                 | <b>&lt;destination&gt;</b> —IP address of destination for echo request                |
|                 | <b>&lt;exp&gt;</b> —Forwarding class  |
|                 | <b>&lt;detail&gt;</b> —Display detailed output  |
|                 | <b>&lt;size&gt;</b> —Size of lsp ping request packet                                  |
|                 | <b>&lt;sweep&gt;</b> —Incremental ping to find MTU                                    |
|                 | <b>&lt;logical-system&gt;</b> —Name of logical system                                 |

---

## <request-ping-ldp-lsp>

---

### Usage

```
<rpc>
  <request-ping-ldp-lsp>
    <fec>fec</fec> <!-- mandatory -->
    <instance>instance</instance>
    <count>count</count>
    <source>source</source>
    <destination>destination</destination>
    <exp>exp</exp>
    <detail/>
    <size>size</size>
    <sweep/>
    <logical-system>logical-system</logical-system>
  </request-ping-ldp-lsp>
</rpc>
```

**Description** Ping LDP-signaled LSP

|                 |  |
|-----------------|--|
| <b>Contents</b> | <b>&lt;fec&gt;</b> —IP prefix/length of forwarding equivalence class   |
|                 | <b>&lt;instance&gt;</b> —Routing-instance name                         |
|                 | <b>&lt;count&gt;</b> —Number of ping requests to send                  |
|                 | <b>&lt;source&gt;</b> —IP source address of echo request               |
|                 | <b>&lt;destination&gt;</b> —IP address of destination for echo request |
|                 | <b>&lt;exp&gt;</b> —Forwarding class                                   |

<detail>—Display detailed output

<size>—Size of lsp ping request packet

<sweep>—Incremental ping to find MTU

<logical-system>—Name of logical system

<request-ping-ldp-p2mp-lsp>—Ping LDP-signaled P2MP LSP

## <request-ping-ldp-p2mp-lsp>

### Usage

```
<rpc>
  <request-ping-ldp-p2mp-lsp>
    <root-addr>root-addr</root-addr> <!-- mandatory -->
    <lsp-id>lsp-id</lsp-id> <!-- mandatory -->
    <egress>egress</egress>
    <instance>instance</instance>
    <count>count</count>
    <source>source</source>
    <destination>destination</destination>
    <exp>exp</exp>
    <detail/>
    <size>size</size>
    <sweep/>
    <logical-system>logical-system</logical-system>
  </request-ping-ldp-p2mp-lsp>
</rpc>
```

**Description** Ping LDP-signaled P2MP LSP

**Contents**

<root-addr>—IP address of p2mp lsp root

<lsp-id>—LSP ID of p2mp lsp

<egress>—Request only a specific multipoint egress to respond

<instance>—Routing-instance name

<count>—Number of ping requests to send

<source>—IP source address of echo request

<destination>—IP address of destination for echo request

<exp>—Forwarding class

<detail>—Display detailed output

<size>—Size of lsp ping request packet

<sweep>—Incremental ping to find MTU

<logical-system>—Name of logical system

---

## <request-ping-lsp-end-point>

---

### Usage

```
<rpc>
  <request-ping-lsp-end-point>
    <prefix>prefix</prefix> <!-- mandatory -->
    <instance>instance</instance>
    <count>count</count>
    <source>source</source>
    <destination>destination</destination>
    <exp>exp</exp>
    <detail/>
    <size>size</size>
    <sweep/>
    <logical-system>logical-system</logical-system>
  </request-ping-lsp-end-point>
</rpc>
```

**Description** Ping end point of LSP

**Contents**

- <prefix>—IP prefix/length of end point
- <instance>—Routing-instance name
- <count>—Number of ping requests to send
- <source>—IP source address of echo request
- <destination>—IP address of destination for echo request
- <exp>—Forwarding class
- <detail>—Display detailed output
- <size>—Size of lsp ping request packet
- <sweep>—Incremental ping to find MTU
- <logical-system>—Name of logical system

---

## <request-ping-rsvp-dynamic-bypass-lsp>

---

### Usage

```
<rpc>
  <request-ping-rsvp-dynamic-bypass-lsp>
    <lsp-name>lsp-name</lsp-name> <!-- mandatory -->
    <count>count</count>
    <source>source</source>
    <destination>destination</destination>
    <exp>exp</exp>
```

```

    <detail/>
    <size>size</size>
    <sweep/>
    <logical-system>logical-system</logical-system>
  </request-ping-rsvp-dynamic-bypass-lsp>
</rpc>

```

**Description** Dynamically created LSP, used for protecting other LSPs

**Contents**

- <lsp-name>—Name of dynamic bypass LSP
- <count>—Number of ping requests to send
- <source>—IP source address of echo request
- <destination>—IP address of destination for echo request
- <exp>—Forwarding class
- <detail>—Display detailed output
- <size>—Size of lsp ping request packet
- <sweep>—Incremental ping to find MTU
- <logical-system>—Name of logical system

## <request-ping-rsvp-lsp>

### Usage

```

<rpc>
  <request-ping-rsvp-lsp>
    <lsp-name>lsp-name</lsp-name> <!-- mandatory -->
    <standby>standby</standby>
    <multipoint/>
    <egress>egress</egress>
    <count>count</count>
    <source>source</source>
    <destination>destination</destination>
    <exp>exp</exp>
    <detail/>
    <size>size</size>
    <sweep/>
    <logical-system>logical-system</logical-system>
  </request-ping-rsvp-lsp>
</rpc>

```

**Description** Ping RSVP-signaled LSP

**Contents** <lsp-name>—Name of LSP

<standby>—Name of standby path

<multipoint>—Probe multipoint LSP

<egress>—Request only a specific multipoint egress to respond

<count>—Number of ping requests to send

<source>—IP source address of echo request

<destination>—IP address of destination for echo request

<exp>—Forwarding class

<detail>—Display detailed output

<size>—Size of lsp ping request packet

<sweep>—Incremental ping to find MTU

<logical-system>—Name of logical system

<request-ping-rsvp-dynamic-bypass-lsp>—Dynamically created LSP, used for protecting other LSPs

<request-ping-rsvp-manual-bypass-lsp>—Manually configured LSP, used for protecting other LSPs

---

## <request-ping-rsvp-manual-bypass-lsp>

---

### Usage

```
<rpc>
  <request-ping-rsvp-manual-bypass-lsp>
    <lsp-name>lsp-name</lsp-name> <!-- mandatory -->
    <interface>interface</interface> <!-- mandatory -->
    <count>count</count>
    <source>source</source>
    <destination>destination</destination>
    <exp>exp</exp>
    <detail/>
    <size>size</size>
    <sweep/>
    <logical-system>logical-system</logical-system>
  </request-ping-rsvp-manual-bypass-lsp>
</rpc>
```

**Description** Manually configured LSP, used for protecting other LSPs

**Contents** <lsp-name>—Name of manual bypass LSP

<interface>—Name of the interface, which is protected by this bypass

<count>—Number of ping requests to send

<source>—IP source address of echo request

<destination>—IP address of destination for echo request

<exp>—Forwarding class

<detail>—Display detailed output

<size>—Size of lsp ping request packet

<sweep>—Incremental ping to find MTU

<logical-system>—Name of logical system

## <request-ping-vpls-instance>

### Usage

```
<rpc>
  <request-ping-vpls-instance>
    <instance-name>instance-name</instance-name> <!-- mandatory -->
    <destination-mac>destination-mac</destination-mac> <!-- mandatory -->
    <source-ip>source-ip</source-ip> <!-- mandatory -->
    <learning-vlan-id>learning-vlan-id</learning-vlan-id>
    <control-plane-response/>
    <bd-name>bd-name</bd-name>
    <count>count</count>
    <detail/>
    <logical-system>logical-system</logical-system>
  </request-ping-vpls-instance>
</rpc>
```

**Description** Instance to which this VPLS connection belongs

**Contents** <instance-name>—Layer 2 VPLS name

<destination-mac>—Destination MAC address

<source-ip>—Source IP address

<learning-vlan-id>—Learning VLAN identifier

<control-plane-response>—Request VPLS OAM responses using the control plane

<bd-name>—Name of bridge domain

<count>—Number of ping requests to send

<detail>—Display detailed output

<logical-system>—Name of logical system

## <request-power-off>

---

### Usage

```
<rpc>
  <request-power-off>
    <at>at</at>
    <in>in</in>
    <message>message</message>
    <power-off>power-off</power-off>
    <media>media</media>
    <slice>slice</slice>
    <both-routing-engines/>
    <other-routing-engine/>
  </request-power-off>
</rpc>
```

**Description** Power off the system

**Contents** <at>—Time at which to perform the operation

- fpc - Power off FPCs
- disk - Boot off hard disk
- compact-flash - Standard boot off flash device
- pcmcia-flash - Boot off removable PCMCIA device
- lan - Network boot via bootp
- usb - Boot off USB device
- recovery-compact-flash - Boot off recovery partition of compact flash
- removable-compact-flash - Boot off removable compact flash device
- external - Boot from external flash
- internal - Boot from internal flash
- nand-flash0 - Boot off nand-flash0
- nand-flash1 - Boot off nand-flash1
- alternate - Boot from alternate partition
- 1 - Boot from first partition
- 2 - Boot from second partition

<in>—Number of minutes to delay before operation

- fpc - Power off FPCs
- disk - Boot off hard disk
- compact-flash - Standard boot off flash device



- pcmcia-flash - Boot off removable PCMCIA device
- lan - Network boot via bootp
- usb - Boot off USB device
- recovery-compact-flash - Boot off recovery partition of compact flash
- removable-compact-flash - Boot off removable compact flash device
- external - Boot from external flash
- internal - Boot from internal flash
- nand-flash0 - Boot off nand-flash0
- nand-flash1 - Boot off nand-flash1
- alternate - Boot from alternate partition
- 1 - Boot from first partition
- 2 - Boot from second partition

<message>—Message to display to all users

- fpc - Power off FPCs
- disk - Boot off hard disk
- compact-flash - Standard boot off flash device
- pcmcia-flash - Boot off removable PCMCIA device
- lan - Network boot via bootp
- usb - Boot off USB device
- recovery-compact-flash - Boot off recovery partition of compact flash
- removable-compact-flash - Boot off removable compact flash device
- external - Boot from external flash
- internal - Boot from internal flash
- nand-flash0 - Boot off nand-flash0
- nand-flash1 - Boot off nand-flash1
- alternate - Boot from alternate partition
- 1 - Boot from first partition
- 2 - Boot from second partition

<power-off>—Power-off FRUs before shutting down RE

- fpc - Power off FPCs
- disk - Boot off hard disk
- compact-flash - Standard boot off flash device

- pcmcia-flash - Boot off removable PCMCIA device
- lan - Network boot via bootp
- usb - Boot off USB device
- recovery-compact-flash - Boot off recovery partition of compact flash
- removable-compact-flash - Boot off removable compact flash device
- external - Boot from external flash
- internal - Boot from internal flash
- nand-flash0 - Boot off nand-flash0
- nand-flash1 - Boot off nand-flash1
- alternate - Boot from alternate partition
- 1 - Boot from first partition
- 2 - Boot from second partition

<media>—Boot media for next boot

- disk - Boot off hard disk
- compact-flash - Standard boot off flash device
- pcmcia-flash - Boot off removable PCMCIA device
- lan - Network boot via bootp
- usb - Boot off USB device
- recovery-compact-flash - Boot off recovery partition of compact flash
- removable-compact-flash - Boot off removable compact flash device
- external - Boot from external flash
- internal - Boot from internal flash
- nand-flash0 - Boot off nand-flash0
- nand-flash1 - Boot off nand-flash1
- alternate - Boot from alternate partition
- 1 - Boot from first partition
- 2 - Boot from second partition

<slice>—Partition on boot media to boot from

- alternate - Boot from alternate partition
- 1 - Boot from first partition
- 2 - Boot from second partition

<both-routing-engines>—Power off both Routing Engines

<other-routing-engine>—Power off other Routing Engine

## <request-protection-group-ethernet-aps>

### Usage

```
<rpc>
  <request-protection-group-ethernet-aps>
    <maintenance-domain>maintenance-domain</maintenance-domain> <!--
mandatory -->
    <maintenance-association>maintenance-association</maintenance-association>
  <!-- mandatory -->
    <switch-to-working/>
    <switch-to-protect/>
    <lockout/>
    <force-switch/>
    <manual-switch/>
    <exercise/>
    <clear/>
    <logical-system>logical-system</logical-system>
  </request-protection-group-ethernet-aps>
</rpc>
```

**Description** Ethernet APS related operations

### Contents

<maintenance-domain>—Name of maintenance domain

<maintenance-association>—Name of maintenance association

<switch-to-working>—Switch data path to use working path

<switch-to-protect>—Switch data path to use protection path

<lockout>—Lockout protection

<force-switch>—Force switch data path to use protection path

<manual-switch>—Manual switch data path to use protection path

<exercise>—Exercise APS protocol

<clear>—Clears active local command

<logical-system>—Name of logical system, or 'all'

## <request-rebalance-interface>

### Usage

```
<rpc>
  <request-rebalance-interface>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </request-rebalance-interface>
```

</rpc>

**Description** Request rebalance of interfaces on the interface

**Contents** <interface-name>—Name of the interface

---

## <request-reboot>

---

### Usage

```
<rpc>
  <request-reboot>
    <re-selector>re-selector</re-selector>
    <re0/>
    <re1/>
    <at>at</at>
    <in>in</in>
    <message>message</message>
    <power-off>power-off</power-off>
    <media>media</media>
    <slice>slice</slice>
    <other-routing-engine/>
  </request-reboot>
</rpc>
```

**Description** Reboot the system

**Contents** <re0>—RE0

- fpc - Power off FPCs
- disk - Boot off hard disk
- compact-flash - Standard boot off flash device
- pcmcia-flash - Boot off removable PCMCIA device
- lan - Network boot via bootp
- usb - Boot off USB device
- recovery-compact-flash - Boot off recovery partition of compact flash
- removable-compact-flash - Boot off removable compact flash device
- external - Boot from external flash
- internal - Boot from internal flash
- nand-flash0 - Boot off nand-flash0
- nand-flash1 - Boot off nand-flash1
- alternate - Boot from alternate partition

- 1 - Boot from first partition
- 2 - Boot from second partition

<rel>—REI

- fpc - Power off FPCs
- disk - Boot off hard disk
- compact-flash - Standard boot off flash device
- pcmcia-flash - Boot off removable PCMCIA device
- lan - Network boot via bootp
- usb - Boot off USB device
- recovery-compact-flash - Boot off recovery partition of compact flash
- removable-compact-flash - Boot off removable compact flash device
- external - Boot from external flash
- internal - Boot from internal flash
- nand-flash0 - Boot off nand-flash0
- nand-flash1 - Boot off nand-flash1
- alternate - Boot from alternate partition
- 1 - Boot from first partition
- 2 - Boot from second partition

<at>—Time at which to perform the operation

- fpc - Power off FPCs
- disk - Boot off hard disk
- compact-flash - Standard boot off flash device
- pcmcia-flash - Boot off removable PCMCIA device
- lan - Network boot via bootp
- usb - Boot off USB device
- recovery-compact-flash - Boot off recovery partition of compact flash
- removable-compact-flash - Boot off removable compact flash device
- external - Boot from external flash
- internal - Boot from internal flash
- nand-flash0 - Boot off nand-flash0
- nand-flash1 - Boot off nand-flash1
- alternate - Boot from alternate partition

- 1 - Boot from first partition
- 2 - Boot from second partition

<in>—Number of minutes to delay before operation

- fpc - Power off FPCs
- disk - Boot off hard disk
- compact-flash - Standard boot off flash device
- pcmcia-flash - Boot off removable PCMCIA device
- lan - Network boot via bootp
- usb - Boot off USB device
- recovery-compact-flash - Boot off recovery partition of compact flash
- removable-compact-flash - Boot off removable compact flash device
- external - Boot from external flash
- internal - Boot from internal flash
- nand-flash0 - Boot off nand-flash0
- nand-flash1 - Boot off nand-flash1
- alternate - Boot from alternate partition
- 1 - Boot from first partition
- 2 - Boot from second partition

<message>—Message to display to all users

- fpc - Power off FPCs
- disk - Boot off hard disk
- compact-flash - Standard boot off flash device
- pcmcia-flash - Boot off removable PCMCIA device
- lan - Network boot via bootp
- usb - Boot off USB device
- recovery-compact-flash - Boot off recovery partition of compact flash
- removable-compact-flash - Boot off removable compact flash device
- external - Boot from external flash
- internal - Boot from internal flash
- nand-flash0 - Boot off nand-flash0
- nand-flash1 - Boot off nand-flash1
- alternate - Boot from alternate partition

- 1 - Boot from first partition
- 2 - Boot from second partition

<power-off>—Power-off FRUs before shutting down RE

- fpc - Power off FPCs
- disk - Boot off hard disk
- compact-flash - Standard boot off flash device
- pcmcia-flash - Boot off removable PCMCIA device
- lan - Network boot via bootp
- usb - Boot off USB device
- recovery-compact-flash - Boot off recovery partition of compact flash
- removable-compact-flash - Boot off removable compact flash device
- external - Boot from external flash
- internal - Boot from internal flash
- nand-flash0 - Boot off nand-flash0
- nand-flash1 - Boot off nand-flash1
- alternate - Boot from alternate partition
- 1 - Boot from first partition
- 2 - Boot from second partition

<media>—Boot media for next boot

- disk - Boot off hard disk
- compact-flash - Standard boot off flash device
- pcmcia-flash - Boot off removable PCMCIA device
- lan - Network boot via bootp
- usb - Boot off USB device
- recovery-compact-flash - Boot off recovery partition of compact flash
- removable-compact-flash - Boot off removable compact flash device
- external - Boot from external flash
- internal - Boot from internal flash
- nand-flash0 - Boot off nand-flash0
- nand-flash1 - Boot off nand-flash1
- alternate - Boot from alternate partition

- 1 - Boot from first partition
- 2 - Boot from second partition

<slice>—Partition on boot media to boot from

- alternate - Boot from alternate partition
- 1 - Boot from first partition
- 2 - Boot from second partition

<other-routing-engine>—Reboot the other Routing Engine

## <request-redundancy-feb>

---

### Usage

```
<rpc>
  <request-redundancy-feb>
    <slot>slot</slot> <!-- mandatory -->
    <switch-to-backup/>
    <revert-from-backup/>
  </request-redundancy-feb>
</rpc>
```

**Description** Change Forwarding Engine Board redundancy status

**Contents** <slot>—FEB slot number

<switch-to-backup>—Switch mastership to other FEB

<revert-from-backup>—Revert mastership back to configured default

## <request-save-rescue-configuration>

---

### Usage

```
<rpc>
  <request-save-rescue-configuration/>
</rpc>
```

**Description** Save committed configuration as rescue configuration

## <request-script-refresh-from>

---

### Usage

```
<rpc>
  <request-script-refresh-from>
    <commit/>
    <op/>
    <event/>
```



```

    <file>file</file>
    <url>url</url>
  </request-script-refresh-from>
</rpc>

```

**Description** Refresh script from a given base URL

**Contents**

- <commit>—Refresh commit script from a given base URL
- <op>—Refresh op script from a given base URL
- <event>—Refresh event script from a given base URL
- <file>—Local script file name
- <url>—URL from where the content will be retrieved

## <request-scripts-package-add>

### Usage

```

<rpc>
  <request-scripts-package-add>
    <no-copy/>
    <unlink/>
    <package-name>package-name</package-name> <!-- mandatory -->
    <chassis>chassis</chassis>
    <scc/>
    <lcc>lcc</lcc>
    <sfc/>
    <member>member</member>
    <dont-forward/>
  </request-scripts-package-add>
</rpc>

```

**Description** Add or upgrade jais package

**Contents**

- <no-copy>—Don't save copy of jais package file
- <unlink>—Remove the package after successful installation
- <package-name>—URL or pathname of package
- <scc>—Install package on SCC
- <lcc>—Install package on an LCC
- <sfc>—Install package on SFC
- <member>—Install package on VC Member
- <dont-forward>—

## <request-scripts-package-delete>

---

**Usage**

```
<rpc>
  <request-scripts-package-delete/>
</rpc>
```

**Description** Remove jais package

## <request-scripts-package-rollback>

---

**Usage**

```
<rpc>
  <request-scripts-package-rollback/>
</rpc>
```

**Description** Attempt to roll back to last jais package

## <request-services-flow-collector-destination>

---

**Usage**

```
<rpc>
  <request-services-flow-collector-destination>
    <primary/>
    <secondary/>
    <interface>interface</interface> <!-- mandatory -->
    <clear-files/>
    <clear-logs/>
    <gracefully/>
    <immediately/>
  </request-services-flow-collector-destination>
</rpc>
```

**Description** Change to Destination server

**Contents** <primary>—Primary server

<secondary>—Secondary server

<interface>—Physical interface

<clear-files>—Remove existing files

<clear-logs>—Remove existing logs

<gracefully>—Retain existing FTP connections

<immediately>—Terminate existing FTP connections

## <request-services-flow-collector-test-file-transfer>

### Usage

```

<rpc>
  <request-services-flow-collector-test-file-transfer>
    <filename>filename</filename> <!-- mandatory -->
    <channel-zero/>
    <channel-one/>
    <primary/>
    <secondary/>
    <interface>interface</interface> <!-- mandatory -->
  </request-services-flow-collector-test-file-transfer>
</rpc>

```

**Description** Transfer a test file to the current primary server

**Contents** <filename>—Specify the filename to use

- all - All configured Collector PICs
- interface - Physical interface

<channel-zero>—Channel 0

- all - All configured Collector PICs
- interface - Physical interface

<channel-one>—Channel 1

- all - All configured Collector PICs
- interface - Physical interface

<primary>—Primary server

- all - All configured Collector PICs
- interface - Physical interface

<secondary>—Secondary server

- all - All configured Collector PICs
- interface - Physical interface

<interface>—Interface name

- all - All configured Collector PICs
- interface - Physical interface

## <request-snapshot>

---

### Usage

```
<rpc>
  <request-snapshot>
    <partition/>
    <factory/>
    <as-primary/>
    <swap-size>swap-size</swap-size>
    <config-size>config-size</config-size>
    <root-size>root-size</root-size>
    <data-size>data-size</data-size>
    <slice>slice</slice>
    <media>media</media>
  </request-snapshot>
</rpc>
```

**Description** Archive data and executable areas

**Contents** <partition>—Partition the media

- 1 - Write snapshot to first partition
- 2 - Write snapshot to second partition
- alternate - Write snapshot to alternate partition
- removable-compact-flash - Write snapshot to removable compact flash
- compact-flash - Write snapshot to compact flash
- usb - Write snapshot to device connected to USB port
- hard-disk - Write snapshot to hard disk
- internal - Write snapshot to internal flash
- external - Write snapshot to external flash

<factory>—Include only files shipped from factory in snapshot

- 1 - Write snapshot to first partition
- 2 - Write snapshot to second partition
- alternate - Write snapshot to alternate partition
- removable-compact-flash - Write snapshot to removable compact flash
- compact-flash - Write snapshot to compact flash
- usb - Write snapshot to device connected to USB port
- hard-disk - Write snapshot to hard disk
- internal - Write snapshot to internal flash
- external - Write snapshot to external flash

<as-primary>—Setup snapshot to be used in the primary boot device

- 1 - Write snapshot to first partition
- 2 - Write snapshot to second partition
- alternate - Write snapshot to alternate partition
- removable-compact-flash - Write snapshot to removable compact flash
- compact-flash - Write snapshot to compact flash
- usb - Write snapshot to device connected to USB port
- hard-disk - Write snapshot to hard disk
- internal - Write snapshot to internal flash
- external - Write snapshot to external flash

<swap-size>—Size of the swap partition

- 1 - Write snapshot to first partition
- 2 - Write snapshot to second partition
- alternate - Write snapshot to alternate partition
- removable-compact-flash - Write snapshot to removable compact flash
- compact-flash - Write snapshot to compact flash
- usb - Write snapshot to device connected to USB port
- hard-disk - Write snapshot to hard disk
- internal - Write snapshot to internal flash
- external - Write snapshot to external flash

<config-size>—Size of the config partition

- 1 - Write snapshot to first partition
- 2 - Write snapshot to second partition
- alternate - Write snapshot to alternate partition
- removable-compact-flash - Write snapshot to removable compact flash
- compact-flash - Write snapshot to compact flash
- usb - Write snapshot to device connected to USB port
- hard-disk - Write snapshot to hard disk
- internal - Write snapshot to internal flash
- external - Write snapshot to external flash

<root-size>—Size of the root partition

- 1 - Write snapshot to first partition
- 2 - Write snapshot to second partition
- alternate - Write snapshot to alternate partition
- removable-compact-flash - Write snapshot to removable compact flash
- compact-flash - Write snapshot to compact flash
- usb - Write snapshot to device connected to USB port
- hard-disk - Write snapshot to hard disk
- internal - Write snapshot to internal flash
- external - Write snapshot to external flash

<data-size>—Size of the data partition

- 1 - Write snapshot to first partition
- 2 - Write snapshot to second partition
- alternate - Write snapshot to alternate partition
- removable-compact-flash - Write snapshot to removable compact flash
- compact-flash - Write snapshot to compact flash
- usb - Write snapshot to device connected to USB port
- hard-disk - Write snapshot to hard disk
- internal - Write snapshot to internal flash
- external - Write snapshot to external flash

<slice>—Write snapshot to specified partition

- 1 - Write snapshot to first partition
- 2 - Write snapshot to second partition
- alternate - Write snapshot to alternate partition
- removable-compact-flash - Write snapshot to removable compact flash
- compact-flash - Write snapshot to compact flash
- usb - Write snapshot to device connected to USB port
- hard-disk - Write snapshot to hard disk
- internal - Write snapshot to internal flash
- external - Write snapshot to external flash

<media>—Media to snapshot to

- removable-compact-flash - Write snapshot to removable compact flash
- compact-flash - Write snapshot to compact flash

- usb - Write snapshot to device connected to USB port
- hard-disk - Write snapshot to hard disk
- internal - Write snapshot to internal flash
- external - Write snapshot to external flash

## <request-snmp-spoof-trap>

### Usage

```
<rpc>
  <request-snmp-spoof-trap>
    <trap>trap</trap> <!-- mandatory -->
    <variable-bindings>variable-bindings</variable-bindings>
  </request-snmp-spoof-trap>
</rpc>
```

**Description** Generate artificial SNMP notification

**Contents** <trap>—The name of the trap to spoof

<variable-bindings>—The list of variables & values to include in the trap

## <request-snmp-utility-mib-clear>

### Usage

```
<rpc>
  <request-snmp-utility-mib-clear>
    <object-type>object-type</object-type> <!-- mandatory -->
    <instance>instance</instance> <!-- mandatory -->
  </request-snmp-utility-mib-clear>
</rpc>
```

**Description** Clear values in utility mib objects

**Contents** <object-type>—

- counter - Set counter value
- counter64 - Set 64 bit counter value
- integer - Set signed integer value
- unsigned-integer - Set unsigned integer value
- string - Set string value

<instance>—

## <request-snmp-utility-mib-set>

---

**Usage**

```
<rpc>
  <request-snmp-utility-mib-set>
    <object-type>object-type</object-type> <!-- mandatory -->
    <instance>instance</instance> <!-- mandatory -->
    <object-value>object-value</object-value> <!-- mandatory -->
  </request-snmp-utility-mib-set>
</rpc>
```

**Description** Set values in utility mib objects

**Contents**

<object-type>—

- counter - Set counter value
- counter64 - Set 64 bit counter value
- integer - Set signed integer value
- unsigned-integer - Set unsigned integer value
- string - Set string value

<instance>—

<object-value>—

## <request-system-storage-cleanup>

---

**Usage**

```
<rpc>
  <request-system-storage-cleanup>
    <dry-run/>
  </request-system-storage-cleanup>
</rpc>
```

**Description** Clean up temporary files and rotate logs

**Contents**

<dry-run>—Only list the cleanup candidates, do not remove them

<remove-diagnostic-routing-engine-contents>—Remove debug repository contents in the diagnostic routing engine

## <request-traceroute-ethernet>

---

**Usage**

```
<rpc>
  <request-traceroute-ethernet>
```



```

    <ttl>ttl</ttl>
    <wait>wait</wait>
    <maintenance-domain>maintenance-domain</maintenance-domain> <!--
mandatory -->
    <maintenance-association>maintenance-association</maintenance-association>
<!-- mandatory -->
    <host>host</host> <!-- mandatory -->
    <mep>mep</mep>
    <logical-system>logical-system</logical-system>
</request-traceroute-ethernet>
</rpc>

```

**Description** Trace route to an ethernet host by unicast mac address

**Contents**

- <ttl>—Maximum time-to-live value
- <wait>—Number of seconds to wait for response
- <maintenance-domain>—Name of maintenance domain
- <maintenance-association>—Name of maintenance association
- <host>—MAC address of remote host in xx:xx:xx:xx:xx:xx format
- <mep>—MEP identifier of remote host
- <logical-system>—Name of logical system

## <restart-kernel-replication>

### Usage

```

<rpc>
  <restart-kernel-replication>
    <gracefully/>
    <soft/>
    <immediately/>
  </restart-kernel-replication>
</rpc>

```

**Description** Kernel replication process

**Contents**

- <gracefully>—Gracefully restart the process
- <soft>—Soft reset (SIGHUP) the process
- <immediately>—Immediately restart (SIGKILL) the process

## <revert-redundancy-interface-to-primary>

---

**Usage**

```
<rpc>
  <revert-redundancy-interface-to-primary>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </revert-redundancy-interface-to-primary>
</rpc>
```

**Description** Revert redundancy interface to its primary

**Contents** <interface-name>—Name of interface

## <set-logical-router>

---

**Usage**

```
<rpc>
  <set-logical-router>
    <logical-system>logical-system</logical-system> <!-- mandatory -->
  </set-logical-router>
</rpc>
```

**Description** Set default logical system

**Contents** <logical-system>—Name of logical system

## <show-interfaces-far-end-interval>

---

**Usage**

```
<rpc>
  <show-interfaces-far-end-interval>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </show-interfaces-far-end-interval>
</rpc>
```

**Description** Show far end interval statistics

**Contents** <interface-name>—Name of physical interface

## <show-interfaces-interval>

---

**Usage**

```
<rpc>
  <show-interfaces-interval>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </show-interfaces-interval>
```

```
</rpc>
```

**Description** Show interval statistics

**Contents** <interface-name>—Name of physical interface

## <show-protection-group-ethernet-aps>

### Usage

```
<rpc>
<show-protection-group-ethernet-aps>
  <protocol>protocol</protocol>
  <maintenance-domain>maintenance-domain</maintenance-domain>
  <maintenance-association>maintenance-association</maintenance-association>

  <profile>profile</profile>
  <logical-system>logical-system</logical-system>
  <brief/>
  <detail/>
</show-protection-group-ethernet-aps>
</rpc>
```

**Description** Show commands related to ethernet APS

**Contents** <protocol>—Associated protocol

- ccm - CCM
- G.8031 - G.8031

<maintenance-domain>—Name of maintenance domain

<maintenance-association>—Name of maintenance association

<profile>—Profile name

<logical-system>—Name of logical system, or 'all'

<brief>—Display brief output (default)

<detail>—Display detailed output

## <switch-redundancy-interface-to-secondary>

### Usage

```
<rpc>
<switch-redundancy-interface-to-secondary>
  <interface-name>interface-name</interface-name> <!-- mandatory -->
</switch-redundancy-interface-to-secondary>
```

</rpc>

**Description** Switch redundancy interface over to its secondary

**Contents** <interface-name>—Name of interface

---

## <traceroute>

---

### Usage

```
<rpc>
  <traceroute>
    <gateway>gateway</gateway>
    <ttl>ttl</ttl>
    <wait>wait</wait>
    <no-resolve/>
    <source>source</source>
    <tos>tos</tos>
    <as-number-lookup/>
    <bypass-routing/>
    <inet/>
    <inet6/>
    <interface>interface</interface>
    <routing-instance>routing-instance</routing-instance>
    <host>host</host> <!-- mandatory -->
    <logical-system>logical-system</logical-system>
  </traceroute>
</rpc>
```

**Description** Trace route to remote host

**Contents** <mpls>—Trace MPLS paths

<gateway>—Address of router gateway to route through

<ttl>—IP maximum time-to-live value (or IPv6 maximum hop-limit value)

<wait>—Number of seconds to wait for response

<no-resolve>—Don't attempt to print addresses symbolically

<source>—Source address to use in outgoing traceroute packets

<tos>—IP type-of-service field (IPv4)

<as-number-lookup>—Look up AS numbers for each hop

<bypass-routing>—Bypass routing table, use specified interface

<inet>—Force traceroute to IPv4 destination

<inet6>—Force traceroute to IPv6 destination

<interface>—Name of interface to use for outgoing traffic

<routing-instance>—Name of routing instance for traceroute attempt

<host>—Hostname or address of remote host

<logical-system>—Name of logical system

<request-traceroute-ethernet>—Trace route to an ethernet host by unicast mac address

## <verify-pki-ca-certificate>

### Usage

```
<rpc>
  <verify-pki-ca-certificate>
    <ca-profile>ca-profile</ca-profile> <!-- mandatory -->
  </verify-pki-ca-certificate>
</rpc>
```

**Description** Verify the certificate

**Contents** <ca-profile>—Certificate authority profile

## <verify-pki-local-certificate>

### Usage

```
<rpc>
  <verify-pki-local-certificate>
    <certificate-id>certificate-id</certificate-id> <!-- mandatory -->
  </verify-pki-local-certificate>
</rpc>
```

**Description** Verify the certificate

**Contents** <certificate-id>—Certificate identifier

## <walk-snmp-object>

### Usage

```
<rpc>
  <walk-snmp-object>
    <decimal/>
    <ascii/>
    <snmp-object-name>snmp-object-name</snmp-object-name> <!-- mandatory
-->
  </walk-snmp-object>
</rpc>
```

**Description** Walk SNMP object values

**Contents** <decimal>—Decimal format (default)

<ascii>—Convert string indices to 'ascii-keys' representation

<snmp-object-name>—Requested SNMP object names

## CHAPTER 8

# Operational Request Tag Elements Specific to EX Series and QFX Series

This chapter lists the Junos Extensible Markup Language (XML) tag elements that a client of the Junos XML protocol or NETCONF server uses to request operational information. The tag names are in alphabetical order. For information about the notation used in this chapter, see [Table 2 on page cccxxxix](#).

The tags listed in this chapter are specific to devices belonging to:

- EX Series
- QFX Series

### <abort-tdr-interface-diagnostics>

---

#### Usage

```
<rpc>
  <abort-tdr-interface-diagnostics>
    <interface-name>interface-name</interface-name>
  </abort-tdr-interface-diagnostics>
</rpc>
```

**Description** Enter TDR interface name

**Contents** <interface-name>—Interface name

### <cfm-clear-statistics>

---

#### Usage

```
<rpc>
  <cfm-clear-statistics>
    <interface>interface</interface>
    <level>level</level>
  </cfm-clear-statistics>
</rpc>
```

**Description** Clear connectivity-fault-management statistics

**Contents** <interface>—Clear the statistics on an interface  
<level>—The maintenance-domain level

---

### <clear-captive-portal-firewall>

---

**Usage**

```
<rpc>
  <clear-captive-portal-firewall>
    <counter-name>counter-name</counter-name>
  </clear-captive-portal-firewall>
</rpc>
```

**Description** Clear captive-portal firewall statistics for a counter

**Contents** <clear-captive-portal-firewall-interface>—Clear firewall statistics on this interface  
<counter-name>—Clear firewall statistics for this counter

---

### <clear-captive-portal-firewall-interface>

---

**Usage**

```
<rpc>
  <clear-captive-portal-firewall-interface>
    <interface-name>interface-name</interface-name>
  </clear-captive-portal-firewall-interface>
</rpc>
```

**Description** Clear firewall statistics on this interface

**Contents** <interface-name>—Name of interface

---

### <clear-captive-portal-interface-session>

---

**Usage**

```
<rpc>
  <clear-captive-portal-interface-session>
    <interface-name>interface-name</interface-name>
  </clear-captive-portal-interface-session>
</rpc>
```

**Description** Clear 802.1X session on an interface

**Contents** <interface-name>—Name of interface



## <clear-captive-portal-mac-session>

---

**Usage**

```
<rpc>
  <clear-captive-portal-mac-session>
    <session-mac-addr>session-mac-addr</session-mac-addr>
  </clear-captive-portal-mac-session>
</rpc>
```

**Description** Clear 802.1X session on a MAC address

**Contents** <session-mac-addr>—MAC address to clear

## <clear-cfm-linktrace-path-database>

---

**Usage**

```
<rpc>
  <clear-cfm-linktrace-path-database>
    <maintenance-domain>maintenance-domain</maintenance-domain> <!--
mandatory -->
    <maintenance-association>maintenance-association</maintenance-association>
  <!-- mandatory -->
    <host>host</host> <!-- mandatory -->
  </clear-cfm-linktrace-path-database>
</rpc>
```

**Description** Clear linktrace path-database entries of a remote host

**Contents** <maintenance-domain>—Name of maintenance domain

<maintenance-association>—Name of maintenance association

<host>—MAC address of remote host in xx:xx:xx:xx:xx:xx format

## <clear-helper-statistics>

---

**Usage**

```
<rpc>
  <clear-helper-statistics/>
</rpc>
```

**Description** Clear helper statistics

## <clear-sflow-collector-statistics>

---

**Usage**

```
<rpc>
  <clear-sflow-collector-statistics/>
</rpc>
```

**Description** Clear sFlow collector statistics

## <clear-virtual-chassis-port-statistics>

---

**Usage**

```
<rpc>
  <clear-virtual-chassis-port-statistics>
    <interface-name>interface-name</interface-name>
  </clear-virtual-chassis-port-statistics>
</rpc>
```

**Description** Clear virtual chassis port statistics

**Contents** <interface-name>—Name of virtual chassis port

## <clear-virtual-chassis-statistics>

---

**Usage**

```
<rpc>
  <clear-virtual-chassis-statistics>
    <provisioning/>
  </clear-virtual-chassis-statistics>
</rpc>
```

**Description** Clear virtual chassis statistics

**Contents** <provisioning>—Show information for provisioning instance

## <get-captive-portal-authentication-failed-users>

---

**Usage**

```
<rpc>
  <get-captive-portal-authentication-failed-users/>
</rpc>
```

**Description** List users who have failed captive-portal authentication

## <get-captive-portal-firewall-interface>

---

**Usage**

```
<rpc>
  <get-captive-portal-firewall-interface>
    <interface-name>interface-name</interface-name>
  </get-captive-portal-firewall-interface>
</rpc>
```

**Description** Show captive-portal firewall statistics for an interface

**Contents** <interface-name>—Show firewall statistics for this interface

## <get-captive-portal-interface-information>

---

**Usage**

```
<rpc>
  <get-captive-portal-interface-information>
    <brief/>
    <detail/>
    <interface-name>interface-name</interface-name>
  </get-captive-portal-interface-information>
</rpc>
```

**Description** Show Captive Portal interface information

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<interface-name>—Name of interface

## <get-cfm-MIP-information>

---

**Usage**

```
<rpc>
  <get-cfm-MIP-information>
    <interface-name>interface-name</interface-name>
    <vlan>vlan</vlan>
  </get-cfm-MIP-information>
</rpc>
```

**Description** Display MIP information

**Contents** <interface-name>—Display information for this logical interface

<vlan>—Show information for a particular VLAN

## <get-cfm-adjacency-information>

---

**Usage**

```
<rpc>
  <get-cfm-adjacency-information>
    <interface-name>interface-name</interface-name>
  </get-cfm-adjacency-information>
</rpc>
```

**Description** Show connectivity-fault-management adjacencies

**Contents** <interface-name>—Name of interface

## <get-cfm-bridge-routes>

---

**Usage**

```
<rpc>
  <get-cfm-bridge-routes>
    <all/>
  </get-cfm-bridge-routes>
</rpc>
```

**Description** Show connectivity-fault-management bridge routes

**Contents** <all>—Show all bridge route entries

## <get-cfm-flood-interface-information>

---

**Usage**

```
<rpc>
  <get-cfm-flood-interface-information>
    <interface-name>interface-name</interface-name>
    <brief/>
    <detail/>
    <extensive/>
  </get-cfm-flood-interface-information>
</rpc>
```

**Description** Show Ethernet OAM state for an interface

**Contents** <interface-name>—Display information for this logical interface

<brief>—Display brief output

<detail>—Display detail output

<extensive>—Display extensive output

## <get-cfm-interface>

---

**Usage**

```

<rpc>
  <get-cfm-interface>
    <interface-name>interface-name</interface-name>
    <vlan>vlan</vlan>
    <level>level</level>
    <brief/>
    <detail/>
    <extensive/>
  </get-cfm-interface>
</rpc>

```

**Description** Show Ethernet OAM information for interface

**Contents**

- <interface-name>—Name of interface
- <vlan>—Trunk interface VLAN
- <level>—Level value for maintenance domain
- <brief>—Display brief output
- <detail>—Display detail output
- <extensive>—Display extensive output

## <get-cfm-linktrace-path-databases>

---

**Usage**

```

<rpc>
  <get-cfm-linktrace-path-databases>
    <maintenance-domain>maintenance-domain</maintenance-domain>
    <maintenance-association>maintenance-association</maintenance-association>

    <host>host</host>
  </get-cfm-linktrace-path-databases>
</rpc>

```

**Description** Display the linktrace path-database for a remote host

**Contents**

- <maintenance-domain>—Name of maintenance domain
- <maintenance-association>—Name of maintenance association
- <host>—MAC address of remote host in xx:xx:xx:xx:xx:xx format

## <get-cfm-mep-database-information>

---

**Usage**

```
<rpc>
  <get-cfm-mep-database-information>
    <maintenance-domain>maintenance-domain</maintenance-domain>
    <maintenance-association>maintenance-association</maintenance-association>

    <local-mep>local-mep</local-mep>
    <remote-mep>remote-mep</remote-mep>
  </get-cfm-mep-database-information>
</rpc>
```

**Description** Show Ethernet OAM maintenance endpoint database information

**Contents** <maintenance-domain>—Name of maintenance domain

<maintenance-association>—Name of maintenance association

<local-mep>—Identifier for local maintenance endpoint

<remote-mep>—Identifier for remote maintenance endpoint

## <get-cfm-mep-statistics>

---

**Usage**

```
<rpc>
  <get-cfm-mep-statistics>
    <maintenance-domain>maintenance-domain</maintenance-domain> <!--
mandatory -->
    <maintenance-association>maintenance-association</maintenance-association>
    <!-- mandatory -->
    <local-mep>local-mep</local-mep>
    <remote-mep>remote-mep</remote-mep>
    <count>count</count>
  </get-cfm-mep-statistics>
</rpc>
```

**Description** Show Ethernet OAM maintenance endpoint statistics

**Contents** <maintenance-domain>—Name of maintenance domain

<maintenance-association>—Name of maintenance association

<local-mep>—Identifier for local maintenance endpoint

<remote-mep>—Identifier for remote maintenance endpoint

<count>—Number of statistics per maintenance endpoint

### <get-chassis-pic-mode-information>

---

**Usage**

```
<rpc>
  <get-chassis-pic-mode-information/>
</rpc>
```

**Description** Show a member's chassis pic-mode

### <get-helper-statistics>

---

**Usage**

```
<rpc>
  <get-helper-statistics/>
</rpc>
```

**Description** Show helper statistics

### <get-initialsetup-status-information>

---

**Usage**

```
<rpc>
  <get-initialsetup-status-information/>
</rpc>
```

**Description** Show initialsetup status

### <get-lcd-fpc-information>

---

**Usage**

```
<rpc>
  <get-lcd-fpc-information>
    <interconnect-device>interconnect-device</interconnect-device> <!-- mandatory
-->
    <fpc-slot>fpc-slot</fpc-slot>
  </get-lcd-fpc-information>
</rpc>
```

**Description** Show LCD display for FPC slot number

**Contents** <interconnect-device>—Interconnect device identifier  
<fpc-slot>—FPC slot number

## <get-lcd-information>

---

**Usage**

```
<rpc>
  <get-lcd-information>
</get-lcd-information>
</rpc>
```

**Description** Show LCD display

**Contents** <get-lcd-fpc-information>—Show LCD display for FPC slot number  
<get-lcd-menu-information>—Show active LCD menu items

## <get-lcd-menu-information>

---

**Usage**

```
<rpc>
  <get-lcd-menu-information/>
</rpc>
```

**Description** Show active LCD menu items

## <get-led-fpc-information>

---

**Usage**

```
<rpc>
  <get-led-fpc-information>
    <interconnect-device>interconnect-device</interconnect-device> <!-- mandatory
-->
    <fpc-slot>fpc-slot</fpc-slot>
  </get-led-fpc-information>
</rpc>
```

**Description** Show LED status for FPC slot number

**Contents** <interconnect-device>—Interconnect device identifier  
<fpc-slot>—FPC slot number

## <get-led-information>

---

**Usage**

```
<rpc>
  <get-led-information>
</get-led-information>
```



</rpc>

**Description** Show LED status

**Contents** <get-led-fpc-information>—Show LED status for FPC slot number

---

### <get-line-card-group-state>

---

**Usage**

```
<rpc>
  <get-line-card-group-state>
    <line-card-group>line-card-group</line-card-group>
  </get-line-card-group-state>
</rpc>
```

**Description** Show line-card-group state information

**Contents** <line-card-group>—Line-card-group Name

---

### <get-poe-controller-information>

---

**Usage**

```
<rpc>
  <get-poe-controller-information/>
</rpc>
```

**Description** Show PoE system information

---

### <get-poe-interface-fpc-information>

---

**Usage**

```
<rpc>
  <get-poe-interface-fpc-information>
    <fpc-slot>fpc-slot</fpc-slot>
  </get-poe-interface-fpc-information>
</rpc>
```

**Description** Show PoE information for specific FPC Slot

**Contents** <fpc-slot>—FPC slot number

---

### <get-poe-interface-information>

---

**Usage**

```
<rpc>
```

```
<get-poe-interface-information>  
  <ifname>ifname</ifname>  
</get-poe-interface-information>  
</rpc>
```

**Description** Show PoE interfaces

**Contents** <get-poe-interface-fpc-information>—Show PoE information for specific FPC Slot  
<ifname>—Name of interface

---

## <get-poe-notifications>

---

**Usage**

```
<rpc>  
  <get-poe-notifications/>  
</rpc>
```

**Description** Show PoE notification information

---

## <get-sflow-collector>

---

**Usage**

```
<rpc>  
  <get-sflow-collector/>  
</rpc>
```

**Description** Show sFlow collectors

---

## <get-sflow-information>

---

**Usage**

```
<rpc>  
  <get-sflow-information>  
  </get-sflow-information>  
</rpc>
```

**Description** Show sFlow information

**Contents** <get-sflow-collector>—Show sFlow collectors  
<get-sflow-interface>—Show sFlow interfaces

## <get-sflow-interface>

---

**Usage**

```
<rpc>
  <get-sflow-interface/>
</rpc>
```

**Description** Show sFlow interfaces

## <get-tdr-interface-information>

---

**Usage**

```
<rpc>
  <get-tdr-interface-information>
  </get-tdr-interface-information>
</rpc>
```

**Description** Status of TDR diagnostics

**Contents** <get-tdr-interface-status>—Show TDR interface name

## <get-tdr-interface-status>

---

**Usage**

```
<rpc>
  <get-tdr-interface-status>
  <interface-name>interface-name</interface-name> <!-- mandatory -->
  </get-tdr-interface-status>
</rpc>
```

**Description** Show TDR interface name

**Contents** <interface-name>—Interface name

## <get-telemetries-information>

---

**Usage**

```
<rpc>
  <get-telemetries-information>
  <ifname>ifname</ifname> <!-- mandatory -->
  <all/>
  <entries/>
  </get-telemetries-information>
</rpc>
```

**Description** Show PoE telemetries for an interface

**Contents** <ifname>—Name of interface

<all>—Show all entries

<entries>—Number of entries

---

### <get-uplink-failure-detection-group-information>

---

#### Usage

```
<rpc>
  <get-uplink-failure-detection-group-information>
    <group-name>group-name</group-name> <!-- mandatory -->
  </get-uplink-failure-detection-group-information>
</rpc>
```

**Description** Show uplink failure detection information for a specified group

**Contents** <group-name>—Name of uplink-failure-detection group

---

### <get-uplink-failure-detection-information>

---

#### Usage

```
<rpc>
  <get-uplink-failure-detection-information>
  </get-uplink-failure-detection-information>
</rpc>
```

**Description** Show uplink failure detection information

**Contents** <get-uplink-failure-detection-group-information>—Show uplink failure detection information for a specified group

---

### <get-virtual-chassis-active-topology>

---

#### Usage

```
<rpc>
  <get-virtual-chassis-active-topology>
    <fabric/>
  </get-virtual-chassis-active-topology>
</rpc>
```

**Description** Virtual chassis active topology

**Contents** <fabric>—Internal fabric state

## <get-virtual-chassis-adjacency-information>

---

**Usage**

```
<rpc>
  <get-virtual-chassis-adjacency-information>
    <fabric/>
    <brief/>
    <detail/>
    <extensive/>
    <provisioning/>
    <system-id>system-id</system-id>
  </get-virtual-chassis-adjacency-information>
</rpc>
```

**Description** Show virtual chassis adjacency database

**Contents**

- <fabric>—Internal fabric state
- <brief>—Display brief output (default)
- <detail>—Display detailed output
- <extensive>—Display extensive output
- <provisioning>—Show information for provisioning instance
- <system-id>—System ID of neighbor

## <get-virtual-chassis-database-information>

---

**Usage**

```
<rpc>
  <get-virtual-chassis-database-information>
    <fabric/>
    <brief/>
    <detail/>
    <extensive/>
    <provisioning/>
    <system-id>system-id</system-id>
  </get-virtual-chassis-database-information>
</rpc>
```

**Description** Show virtual chassis link-state database

**Contents**

- <fabric>—Internal fabric state
- <brief>—Display brief output (default)
- <detail>—Display detailed output

<extensive>—Display extensive output

<provisioning>—Show information for provisioning instance

<system-id>—System ID of neighbor

---

## <get-virtual-chassis-device-topology>

---

### Usage

```
<rpc>
  <get-virtual-chassis-device-topology/>
</rpc>
```

**Description** PFE device topology

---

## <get-virtual-chassis-diagnostic-information>

---

### Usage

```
<rpc>
  <get-virtual-chassis-diagnostic-information>
    <test-name>test-name</test-name> <!-- mandatory -->
    <destination-device>destination-device</destination-device>
    <destination-fpc>destination-fpc</destination-fpc>
    <destination-ip-address>destination-ip-address</destination-ip-address>
    <source-fpc>source-fpc</source-fpc>
    <source-ip-address>source-ip-address</source-ip-address>
    <probe-count>probe-count</probe-count>
    <probe-pattern>probe-pattern</probe-pattern>
    <probe-interval>probe-interval</probe-interval>
    <test-interval>test-interval</test-interval>
    <test-count>test-count</test-count>
  </get-virtual-chassis-diagnostic-information>
</rpc>
```

**Description** Device reachability diagnostics

### Contents

<test-name>—Name of the test

<destination-device>—Probe destination (global) device ID

<destination-fpc>—Probe destination FPC

<destination-ip-address>—IP address of destination FPC

<source-fpc>—Probe initiator FPC

<source-ip-address>—IP address of source FPC

<probe-count>—Number of probes in a test

<probe-pattern>—Payload pattern byte in the probe (0x00-0xff)

<probe-interval>—Duration between successive probes

<test-interval>—Time interval to perform this test again

<test-count>—Number of times this test to be performed

---

### <get-virtual-chassis-fast-failover>

---

#### Usage

```
<rpc>
  <get-virtual-chassis-fast-failover/>
</rpc>
```

**Description** Fast failover status

---

### <get-virtual-chassis-information>

---

#### Usage

```
<rpc>
  <get-virtual-chassis-information>
    <fabric/>
    <brief/>
    <detail/>
  </get-virtual-chassis-information>
</rpc>
```

**Description** Virtual chassis information

**Contents** <fabric>—Internal fabric state

<brief>—Display brief output (default)

<detail>—Display detailed output

---

### <get-virtual-chassis-interface-information>

---

#### Usage

```
<rpc>
  <get-virtual-chassis-interface-information>
    <fabric/>
    <brief/>
    <detail/>
    <provisioning/>
    <interface-name>interface-name</interface-name>
  </get-virtual-chassis-interface-information>
</rpc>
```

**Description** Show virtual chassis protocol interface information

**Contents**

- <fabric>—Internal fabric state
- <brief>—Display brief output (default)
- <detail>—Display detailed output
- <provisioning>—Show information for provisioning instance
- <interface-name>—Name of interface

---

### <get-virtual-chassis-mode-information>

---

**Usage**

```
<rpc>  
  <get-virtual-chassis-mode-information/>  
</rpc>
```

**Description** Virtual chassis mode information

---

### <get-virtual-chassis-packet-path>

---

**Usage**

```
<rpc>  
  <get-virtual-chassis-packet-path>  
    <source-interface>source-interface</source-interface> <!-- mandatory -->  
    <destination-interface>destination-interface</destination-interface> <!-- mandatory  
-->  
  </get-virtual-chassis-packet-path>  
</rpc>
```

**Description** Show virtual-chassis packet path

**Contents**

- <source-interface>—Source interface name
- <destination-interface>—Destination interface name

---

### <get-virtual-chassis-port-information>

---

**Usage**

```
<rpc>  
  <get-virtual-chassis-port-information>  
  </get-virtual-chassis-port-information>  
</rpc>
```

**Description** Virtual chassis port information



**Contents** <get-virtual-chassis-port-statistics>—Show virtual chassis port statistics

## <get-virtual-chassis-port-statistics>

---

### Usage

```
<rpc>
  <get-virtual-chassis-port-statistics>
    <brief/>
    <detail/>
    <extensive/>
    <interface-name>interface-name</interface-name>
  </get-virtual-chassis-port-statistics>
</rpc>
```

**Description** Show virtual chassis port statistics

**Contents** <brief>—Display brief output (default)

<detail>—Display detailed output

<extensive>—Display extensive output

<interface-name>—Name of virtual chassis port

## <get-virtual-chassis-route-information>

---

### Usage

```
<rpc>
  <get-virtual-chassis-route-information>
    <provisioning/>
    <destination>destination</destination>
  </get-virtual-chassis-route-information>
</rpc>
```

**Description** Show virtual chassis routing table

**Contents** <provisioning>—Show information for provisioning instance

<destination>—System ID of destination

## <get-virtual-chassis-statistics-information>

---

### Usage

```
<rpc>
  <get-virtual-chassis-statistics-information>
    <fabric/>
    <provisioning/>
    <interface-name>interface-name</interface-name>
  </get-virtual-chassis-statistics-information>
```

```
</rpc>
```

**Description** Show virtual chassis performance statistics

**Contents** <fabric>—Internal fabric state  
<provisioning>—Show information for provisioning instance  
<interface-name>—Name of logical interface

---

## <poe-controller-download-software>

---

**Usage**

```
<rpc>  
  <poe-controller-download-software/>  
</rpc>
```

**Description** Upgrade PoE software

---

## <request-tdr-interface-diagnostics>

---

**Usage**

```
<rpc>  
  <request-tdr-interface-diagnostics>  
    <interface-name>interface-name</interface-name>  
  </request-tdr-interface-diagnostics>  
</rpc>
```

**Description** Enter TDR interface name

**Contents** <interface-name>—Interface name

---

## <request-virtual-chassis-mode-mixed>

---

**Usage**

```
<rpc>  
  <request-virtual-chassis-mode-mixed>  
    <disable/>  
    <member-id>member-id</member-id>  
  </request-virtual-chassis-mode-mixed>  
</rpc>
```

**Description** Set a member's virtual chassis mode

**Contents** <disable>—Disable virtual chassis mixed-mode

<member-id>—Current member ID

### <request-virtual-chassis-vc-port-delete-pic-slot>

#### Usage

```
<rpc>
<request-virtual-chassis-vc-port-delete-pic-slot>
  <pic-slot>pic-slot</pic-slot> <!-- mandatory -->
  <port>port</port> <!-- mandatory -->
</request-virtual-chassis-vc-port-delete-pic-slot>
</rpc>
```

**Description** Member's PIC slot

**Contents** <pic-slot>—PIC slot number  
 <port>—Port number

### <request-virtual-chassis-vc-port-set-interface>

#### Usage

```
<rpc>
<request-virtual-chassis-vc-port-set-interface>
  <interface-name>interface-name</interface-name> <!-- mandatory -->
  <disable/>
</request-virtual-chassis-vc-port-set-interface>
</rpc>
```

**Description** Member's virtual chassis interface

**Contents** <interface-name>—Name of dedicated virtual chassis interface  
 <disable>—Disable virtual chassis interface

### <request-virtual-chassis-vc-port-set-pic-slot>

#### Usage

```
<rpc>
<request-virtual-chassis-vc-port-set-pic-slot>
  <pic-slot>pic-slot</pic-slot> <!-- mandatory -->
  <port>port</port> <!-- mandatory -->
</request-virtual-chassis-vc-port-set-pic-slot>
</rpc>
```

**Description** Member's PIC slot

**Contents** <pic-slot>—PIC slot number

<port>—Port number

## CHAPTER 9

# Operational Request Tag Elements Specific to J Series and SRX Series

This chapter lists the Junos Extensible Markup Language (XML) tag elements that a client of the Junos XML protocol or NETCONF server uses to request operational information. The tag names are in alphabetical order. For information about the notation used in this chapter, see [Table 2 on page cccxxxix](#).

The tags listed in this chapter are specific to devices belonging to:

- J Series
- SRX Series

### <activate-wireless-modem>

---

#### Usage

```
<rpc>
  <activate-wireless-modem>
</activate-wireless-modem>
</rpc>
```

**Description**    Activate the modem

**Contents**    <request-modem-wireless-activate-iota>—Internet Over The Air Activation  
                 <request-modem-wireless-activate-otasp>—Over The Air Service Provisioning  
                 <request-modem-wireless-activate-manual>—Manual Activation

### <clear-alg-h323-counters>

---

#### Usage

```
<rpc>
  <clear-alg-h323-counters/>
</rpc>
```

**Description** Clear H323 counters

---

### <clear-alg-ike-esp-state>

---

**Usage**

```
<rpc>
  <clear-alg-ike-esp-state/>
</rpc>
```

**Description** Clear all IKE-ESP ALG state information

---

### <clear-alg-mgcp-calls-information>

---

**Usage**

```
<rpc>
  <clear-alg-mgcp-calls-information/>
</rpc>
```

**Description** Clear MGCP calls

---

### <clear-alg-mgcp-counter-information>

---

**Usage**

```
<rpc>
  <clear-alg-mgcp-counter-information/>
</rpc>
```

**Description** Clear MGCP counters

---

### <clear-alg-sccp-calls-information>

---

**Usage**

```
<rpc>
  <clear-alg-sccp-calls-information/>
</rpc>
```

**Description** Clear SCCP calls

---

### <clear-alg-sccp-counters>

---

**Usage**

```
<rpc>
  <clear-alg-sccp-counters/>
</rpc>
```

**Description** Clear SCCP counters

---

### <clear-alg-sip-calls>

---

**Usage**

```
<rpc>
  <clear-alg-sip-calls/>
</rpc>
```

**Description** Clear SIP calls

---

### <clear-alg-sip-counters>

---

**Usage**

```
<rpc>
  <clear-alg-sip-counters/>
</rpc>
```

**Description** Clear SIP counters

---

### <clear-all-dvpn-user-connections>

---

**Usage**

```
<rpc>
  <clear-all-dvpn-user-connections/>
</rpc>
```

**Description** Clear all dynamic VPN user connections

---

### <clear-anti-spam-clear>

---

**Usage**

```
<rpc>
  <clear-anti-spam-clear/>
</rpc>
```

**Description** Clear anti-spam statistics information

---

### <clear-anti-virus>

---

**Usage**

```
<rpc>
  <clear-anti-virus/>
</rpc>
```

**Description** Clear anti-virus statistics information

---

### <clear-application-firewall-statistics>

---

**Usage**

```
<rpc>
  <clear-application-firewall-statistics/>
</rpc>
```

**Description** Clear statistics of the application-firewall

---

### <clear-avt-counters>

---

**Usage**

```
<rpc>
  <clear-avt-counters/>
</rpc>
```

**Description** Clear Application tracking counters

---

### <clear-chassis-cluster-control-plane-statistics>

---

**Usage**

```
<rpc>
  <clear-chassis-cluster-control-plane-statistics/>
</rpc>
```

**Description** Clear control-plane statistics

---

### <clear-chassis-cluster-data-plane-statistics>

---

**Usage**

```
<rpc>
  <clear-chassis-cluster-data-plane-statistics/>
</rpc>
```

**Description** Clear data-plane statistics

---

### <clear-chassis-cluster-failover-count>

---

**Usage**

```
<rpc>
  <clear-chassis-cluster-failover-count/>
</rpc>
```



**Description** Clear failover-count for all redundancy-groups

### <clear-chassis-cluster-information>

---

**Usage**

```
<rpc>
  <clear-chassis-cluster-information/>
</rpc>
```

**Description** Clear debug information

### <clear-chassis-cluster-ip-monitoring-failure-count>

---

**Usage**

```
<rpc>
  <clear-chassis-cluster-ip-monitoring-failure-count>
  </clear-chassis-cluster-ip-monitoring-failure-count>
</rpc>
```

**Description** Clear IP monitoring failure-count

**Contents** <clear-chassis-cluster-ip-monitoring-failure-count-ip-address>—Clear IP monitoring failure-count for a specific IP address

### <clear-chassis-cluster-ip-monitoring-failure-count-ip-address>

---

**Usage**

```
<rpc>
  <clear-chassis-cluster-ip-monitoring-failure-count-ip-address>
  <ip-address-identifier>ip-address-identifier</ip-address-identifier> <!-- mandatory
-->
  </clear-chassis-cluster-ip-monitoring-failure-count-ip-address>
</rpc>
```

**Description** Clear IP monitoring failure-count for a specific IP address

**Contents** <ip-address-identifier>—Clear failure-count of an IP address

### <clear-chassis-cluster-statistics>

---

**Usage**

```
<rpc>
  <clear-chassis-cluster-statistics/>
</rpc>
```

**Description** Clear all statistics

---

### <clear-chassis-cluster-switch-fabric-probe-statistics>

---

**Usage**

```
<rpc>
  <clear-chassis-cluster-switch-fabric-probe-statistics/>
</rpc>
```

**Description** Clear chassis cluster switch fabric probe statistics

---

### <clear-content-filter>

---

**Usage**

```
<rpc>
  <clear-content-filter/>
</rpc>
```

**Description** Clear content-filtering statistics information

---

### <clear-destination-nat-pool-information>

---

**Usage**

```
<rpc>
  <clear-destination-nat-pool-information>
    <pool-choice>pool-choice</pool-choice> <!-- mandatory -->
    <pool-name>pool-name</pool-name> <!-- mandatory -->
    <all/>
  </clear-destination-nat-pool-information>
</rpc>
```

**Description** Clear destination NAT information of this pool

**Contents** <pool-name>—Address-pool name  
          <all>—Clear all destination NAT pool information

---

### <clear-destination-nat-rule-sets-information>

---

**Usage**

```
<rpc>
  <clear-destination-nat-rule-sets-information>
    <rule-choice>rule-choice</rule-choice> <!-- mandatory -->
    <rule-name>rule-name</rule-name> <!-- mandatory -->
    <all/>
  </clear-destination-nat-rule-sets-information>
```

```
</rpc>
```

**Description** Clear destination NAT rule-set information

**Contents** <rule-name>—The name of the destination NAT rule-set

<all>—Clear all destination NAT rule-sets information

---

### <clear-dvpn-user-connection-by-username>

---

#### Usage

```
<rpc>
  <clear-dvpn-user-connection-by-username>
    <username>username</username> <!-- mandatory -->
    <ike-id>ike-id</ike-id> <!-- mandatory -->
  </clear-dvpn-user-connection-by-username>
</rpc>
```

**Description** Clear Dynamic VPN user connection with specified username

**Contents** <username>—Name of user for the connection

<ike-id>—The IKE ID of this user connection

---

### <clear-eeedebg-counters>

---

#### Usage

```
<rpc>
  <clear-eeedebg-counters/>
</rpc>
```

**Description** Clear datapath debug counters

---

### <clear-flow-ipaction-all>

---

#### Usage

```
<rpc>
  <clear-flow-ipaction-all>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </clear-flow-ipaction-all>
</rpc>
```

**Description** Clear all ip-action entries

- Contents**    <logical-system>—Logical-system name
- all - All logical systems
  - logical-system-name - Logical system name
- <root-logical-system>—Root logical-system (default)

---

## <clear-flow-session>

---

### Usage

```
<rpc>
  <clear-flow-session>
    <destination-prefix>destination-prefix</destination-prefix>
    <source-prefix>source-prefix</source-prefix>
    <source-port>source-port</source-port>
    <destination-port>destination-port</destination-port>
    <protocol>protocol</protocol>
    <application>application</application>
    <idp/>
    <tunnel/>
    <nat/>
    <fast-forward/>
    <resource-manager/>
    <application-firewall/>
    <interface>interface</interface>
    <family>family</family>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </clear-flow-session>
</rpc>
```

**Description**    Clear session table

- Contents**    <destination-prefix>—Destination IP prefix or address
- icmp - Internet Control Message Protocol
  - igmp - Internet Group Management Protocol
  - ipip - IP in IP
  - tcp - Transmission Control Protocol
  - egp - Exterior gateway protocol
  - udp - User Datagram Protocol
  - rsvp - Resource Reservation Protocol
  - gre - Generic routing encapsulation
  - esp - IPSec Encapsulating Security Payload
  - ah - IP Security authentication header

- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- dns - Domain Name Service
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- ignore - Ignore application type
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- pptp - Point-to-Point Tunneling Protocol
- sun-rpc - Sun Microsystems RPC
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- sqlnet-v2 - Oracle SQL\*Net Version 2
- talk - Talk program
- tftp - Trivial File Transfer Protocol
- http - Hyper Text transfer protocol
- https - Secure HyperText Transfer Protocol
- smtp - Simple Mail Transfer Protocol
- imap - Internet Message Access Protocol
- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol

- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<source-prefix>—Source IP prefix or address

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- dns - Domain Name Service
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- ignore - Ignore application type
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- pptp - Point-to-Point Tunneling Protocol
- sun-rpc - Sun Microsystems RPC
- q931 - Q.931

- ras - RAS
- realaudio - RealAudio
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- sqlnet-v2 - Oracle SQL\*Net Version 2
- talk - Talk program
- tftp - Trivial File Transfer Protocol
- http - Hyper Text transfer protocol
- https - Secure HyperText Transfer Protocol
- smtp - Simple Mail Transfer Protocol
- imap - Internet Message Access Protocol
- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<source-port>—Source port

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast

- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- dns - Domain Name Service
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- ignore - Ignore application type
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- pptp - Point-to-Point Tunneling Protocol
- sun-rpc - Sun Microsystems RPC
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- sqlnet-v2 - Oracle SQL\*Net Version 2
- talk - Talk program
- tftp - Trivial File Transfer Protocol
- http - Hyper Text transfer protocol
- https - Secure HyperText Transfer Protocol
- smtp - Simple Mail Transfer Protocol
- imap - Internet Message Access Protocol
- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT



- all - All logical systems
- logical-system-name - Logical system name

<destination-port>—Destination port

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- dns - Domain Name Service
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- ignore - Ignore application type
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- pptp - Point-to-Point Tunneling Protocol
- sun-rpc - Sun Microsystems RPC
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio

- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- sqlnet-v2 - Oracle SQL\*Net Version 2
- talk - Talk program
- tftp - Trivial File Transfer Protocol
- http - Hyper Text transfer protocol
- https - Secure HyperText Transfer Protocol
- smtp - Simple Mail Transfer Protocol
- imap - Internet Message Access Protocol
- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<protocol>—IP protocol number

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)

- dns - Domain Name Service
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- ignore - Ignore application type
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- pptp - Point-to-Point Tunneling Protocol
- sun-rpc - Sun Microsystems RPC
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- sqlnet-v2 - Oracle SQL\*Net Version 2
- talk - Talk program
- tftp - Trivial File Transfer Protocol
- http - Hyper Text transfer protocol
- https - Secure HyperText Transfer Protocol
- smtp - Simple Mail Transfer Protocol
- imap - Internet Message Access Protocol
- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<application>—Application protocol name

- dns - Domain Name Service
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- ignore - Ignore application type
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- pptp - Point-to-Point Tunneling Protocol
- sun-rpc - Sun Microsystems RPC
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- sqlnet-v2 - Oracle SQL\*Net Version 2
- talk - Talk program
- tftp - Trivial File Transfer Protocol
- http - Hyper Text transfer protocol
- https - Secure HyperText Transfer Protocol
- smtp - Simple Mail Transfer Protocol
- imap - Internet Message Access Protocol
- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<idp>—IDP sessions

- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<tunnel>—Tunnel sessions

- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<nat>—Sessions with network address translation

- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<fast-forward>—Fast-forward sessions

- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<resource-manager>—Sessions with resource manager

- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<application-firewall>—Show application-firewall sessions

- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<interface>—Name of incoming or outgoing interface

- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<family>—Protocol family

- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

<clear-flow-session-all>—Clear all sessions

<clear-flow-session-by-session-identifier>—Clear session with specified session identifier

---

## <clear-flow-session-all>

---

### Usage

```
<rpc>
  <clear-flow-session-all>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </clear-flow-session-all>
</rpc>
```

**Description** Clear all sessions

**Contents** <logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

## <clear-flow-session-by-session-identifier>

### Usage

```

<rpc>
  <clear-flow-session-by-session-identifier>
    <session-identifier>session-identifier</session-identifier> <!-- mandatory -->
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </clear-flow-session-by-session-identifier>
</rpc>

```

**Description** Clear session with specified session identifier

**Contents** <session-identifier>—Session identifier

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

## <clear-group-vpn-ike-security-associations>

### Usage

```

<rpc>
  <clear-group-vpn-ike-security-associations>
    <fpc>fpc</fpc>
    <pic>pic</pic>
    <kmd-instance>kmd-instance</kmd-instance>
    <peer-address>peer-address</peer-address>
    <index>index</index>
  </clear-group-vpn-ike-security-associations>
</rpc>

```

**Description** Clear group VPN IKE security associations

**Contents** <fpc>—FPC slot number

<pic>—PIC slot number

<kmd-instance>—Name of KMD instance or 'all'

<peer-address>—IP address of the peer

<index>—Index of security association

---

## <clear-group-vpn-kek-security-associations>

---

### Usage

```
<rpc>
  <clear-group-vpn-kek-security-associations>
    <fpc>fpc</fpc>
    <pic>pic</pic>
    <kmd-instance>kmd-instance</kmd-instance>
    <index>index</index>
  </clear-group-vpn-kek-security-associations>
</rpc>
```

**Description** Clear group VPN KEK security associations

**Contents** <fpc>—FPC slot number

<pic>—PIC slot number

<kmd-instance>—Name of KMD instance or 'all'

<index>—Index of security association

---

## <clear-gvpn-ipsec-security-association>

---

### Usage

```
<rpc>
  <clear-gvpn-ipsec-security-association>
    <fpc>fpc</fpc>
    <pic>pic</pic>
    <kmd-instance>kmd-instance</kmd-instance>
    <index>index</index>
  </clear-gvpn-ipsec-security-association>
</rpc>
```

**Description** Clear IPSec dynamic security associations

**Contents** <fpc>—FPC slot number

<pic>—PIC slot number

<kmd-instance>—Name of KMD instance or 'all'

<index>—Index of security association



## <clear-gvpn-ipsec-statistics>

### Usage

```

<rpc>
  <clear-gvpn-ipsec-statistics>
    <fpc>fpc</fpc>
    <pic>pic</pic>
    <index>index</index>
  </clear-gvpn-ipsec-statistics>
</rpc>

```

**Description** Clear Group VPN IPSec statistics

**Contents** <fpc>—FPC slot number

<pic>—PIC slot number

<index>—Index of security association

## <clear-ike-respond-bad-spi-count>

### Usage

```

<rpc>
  <clear-ike-respond-bad-spi-count>
    <gw-name>gw-name</gw-name>
  </clear-ike-respond-bad-spi-count>
</rpc>

```

**Description** Clear IKE bad SPI count

**Contents** <gw-name>—Name of the gateway

## <clear-ike-security-association>

### Usage

```

<rpc>
  <clear-ike-security-association>
    <fpc>fpc</fpc>
    <pic>pic</pic>
    <kmd-instance>kmd-instance</kmd-instance>
    <peer-address>peer-address</peer-address>
    <index>index</index>
    <port>port</port>
  </clear-ike-security-association>
</rpc>

```

**Description** Clear IKE security associations

**Contents**    <fpc>—FPC slot number

                 <pic>—PIC slot number

                 <kmd-instance>—Name of KMD instance or 'all'

                 <peer-address>—Name of security association

                 <index>—Index of security association

                 <port>—Port number of security association

---

## <clear-incoming-table-information>

### Usage

```
<rpc>
  <clear-incoming-table-information>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </clear-incoming-table-information>
</rpc>
```

**Description**    Clear incoming table information

**Contents**    <logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

                 <root-logical-system>—Root logical-system (default)

---

## <clear-ipsec-security-association>

### Usage

```
<rpc>
  <clear-ipsec-security-association>
    <fpc>fpc</fpc>
    <pic>pic</pic>
    <kmd-instance>kmd-instance</kmd-instance>
    <index>index</index>
  </clear-ipsec-security-association>
</rpc>
```

**Description**    Clear IPSec dynamic security associations

**Contents**    <fpc>—FPC slot number

                 <pic>—PIC slot number

<kmd-instance>—Name of KMD instance or 'all'

<index>—Index of security association

## <clear-ipsec-statistics>

### Usage

```
<rpc>
  <clear-ipsec-statistics>
    <fpc>fpc</fpc>
    <pic>pic</pic>
    <index>index</index>
  </clear-ipsec-statistics>
</rpc>
```

**Description** Clear IPSec statistics

**Contents** <fpc>—FPC slot number

<pic>—PIC slot number

<index>—Index of security association

## <clear-isdn-q921-statistics>

### Usage

```
<rpc>
  <clear-isdn-q921-statistics>
    <interface>interface</interface>
  </clear-isdn-q921-statistics>
</rpc>
```

**Description** Clear Q.921 layer statistics

**Contents** <interface>—Interface name

## <clear-isdn-q931-statistics>

### Usage

```
<rpc>
  <clear-isdn-q931-statistics>
    <interface>interface</interface>
  </clear-isdn-q931-statistics>
</rpc>
```

**Description** Clear Q.931 layer statistics

**Contents**    <interface>—Interface name

---

## <clear-persist-nat-all>

---

### Usage

```
<rpc>
  <clear-persist-nat-all>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </clear-persist-nat-all>
</rpc>
```

**Description**    Clear all persistent NAT information

**Contents**    <logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

---

## <clear-persist-nat-interface-information>

---

### Usage

```
<rpc>
  <clear-persist-nat-interface-information>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </clear-persist-nat-interface-information>
</rpc>
```

**Description**    Clear persistent NAT information of this interface

**Contents**    <logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

---

## <clear-persist-nat-ip-port-information>

---

### Usage

```
<rpc>
  <clear-persist-nat-ip-port-information>
```

```

<ip>ip</ip> <!-- mandatory -->
<internal-port>internal-port</internal-port>
<internal-protocol>internal-protocol</internal-protocol>
<lsys>lsys</lsys>
<logical-system>logical-system</logical-system>
<root-logical-system/>
</clear-persist-nat-ip-port-information>
</rpc>

```

**Description** Clear persistent NAT information of internal IP and port

**Contents** <ip>—Internal IP address

- all - All logical systems
- logical-system-name - Logical system name

<internal-port>—Internal port

- all - All logical systems
- logical-system-name - Logical system name

<internal-protocol>—Internal protocol

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

## <clear-persist-nat-pool-information>

### Usage

```

<rpc>
<clear-persist-nat-pool-information>
<pool-name>pool-name</pool-name> <!-- mandatory -->
<lsys>lsys</lsys>
<logical-system>logical-system</logical-system>
<root-logical-system/>
</clear-persist-nat-pool-information>
</rpc>

```

**Description** Clear persistent NAT information of this pool

**Contents** <pool-name>—Source NAT pool name

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

---

## <clear-retag-statistics>

---

### Usage

```
<rpc>
  <clear-retag-statistics>
    <filter>filter</filter> <!-- mandatory -->
    <interface>interface</interface>
    <vlan-id>vlan-id</vlan-id>
    <clear-all/>
  </clear-retag-statistics>
</rpc>
```

**Description** Clear L2 vlan rewrite statistics information

**Contents** <interface>—Rewrite statistics interface  
<vlan-id>—Rewrite statistics on vlan-id  
<clear-all>—Clear all statistics

---

## <clear-screen-statistics>

---

### Usage

```
<rpc>
  <clear-screen-statistics>
    <filter>filter</filter> <!-- mandatory -->
    <zone>zone</zone>
    <interface>interface</interface>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </clear-screen-statistics>
</rpc>
```

**Description** Clear screen attack statistics information

**Contents** <zone>—IDS statistics zone

- logical-system-name - Logical system name

<interface>—IDS statistics interface

- logical-system-name - Logical system name

<logical-system>—Logical-system name

- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

## <clear-security-dynamic-policies-statistics>

### Usage

```
<rpc>
  <clear-security-dynamic-policies-statistics/>
</rpc>
```

**Description** Clear statistics about the dynamic policies

## <clear-security-firewall-authentication-history>

### Usage

```
<rpc>
  <clear-security-firewall-authentication-history>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
    <filter>filter</filter>
    <identifier>identifier</identifier>
    <address>address</address>
  </clear-security-firewall-authentication-history>
</rpc>
```

**Description** Clear firewall authentication history

**Contents** <logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

<identifier>—Clear authentication history by id

<address>—Clear authentication history by ip address

## <clear-security-firewall-authentication-users>

---

### Usage

```
<rpc>
  <clear-security-firewall-authentication-users>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
    <filter>filter</filter>
    <identifier>identifier</identifier>
    <address>address</address>
  </clear-security-firewall-authentication-users>
</rpc>
```

**Description** Clear current firewall authentication user data

**Contents** <logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

<identifier>—Clear authentication entry by id

<address>—Clear authentication entry by ip address

## <clear-security-group-vpn-server>

---

### Usage

```
<rpc>
  <clear-security-group-vpn-server>
    <group_choice>group_choice</group_choice>

    <clear-security-group-vpn-server-group-name>clear-security-group-vpn-server-group-name</clear-security-group-vpn-server-group-name>

    <clear-security-group-vpn-server-group-id>clear-security-group-vpn-server-group-id</clear-security-group-vpn-server-group-id>

    <clear-security-group-vpn-server-now/>
  </clear-security-group-vpn-server>
</rpc>
```

**Description** Clear group VPN server security information

**Contents** <clear-security-group-vpn-server-group-name>—Clear specified group name

<clear-security-group-vpn-server-group-id>—Clear specified group id



`<clear-security-group-vpn-server-now>`—Clear group immediately

## `<clear-security-policies-statistics>`

### Usage

```
<rpc>
<clear-security-policies-statistics>
  <lsys>lsys</lsys>
  <logical-system>logical-system</logical-system>
  <root-logical-system/>
</clear-security-policies-statistics>
</rpc>
```

**Description** Clear statistics about the policies

**Contents** `<logical-system>`—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

`<root-logical-system>`—Root logical-system (default)

## `<clear-source-nat-pool-information>`

### Usage

```
<rpc>
<clear-source-nat-pool-information>
  <pool-choice>pool-choice</pool-choice> <!-- mandatory -->
  <pool-name>pool-name</pool-name> <!-- mandatory -->
  <all/>
</clear-source-nat-pool-information>
</rpc>
```

**Description** Clear source NAT information of this pool

**Contents** `<pool-name>`—Address-pool name

`<all>`—Clear all source NAT pool information

## `<clear-source-nat-rule-sets-information>`

### Usage

```
<rpc>
<clear-source-nat-rule-sets-information>
  <rule-choice>rule-choice</rule-choice> <!-- mandatory -->
  <rule-name>rule-name</rule-name> <!-- mandatory -->
  <all/>
</clear-source-nat-rule-sets-information>
```

```
</rpc>
```

**Description** Clear source NAT rule-set information

**Contents** `<rule-name>`—The name of the source NAT rule-set  
`<all>`—Clear all source NAT rule-sets information

---

### `<clear-static-nat-rule-sets-information>`

---

**Usage**

```
<rpc>  
  <clear-static-nat-rule-sets-information>  
    <rule-choice>rule-choice</rule-choice> <!-- mandatory -->  
    <rule-name>rule-name</rule-name> <!-- mandatory -->  
  </clear-static-nat-rule-sets-information>  
</rpc>
```

**Description** Clear static NAT rule-set information

**Contents** `<rule-name>`—The name of the static NAT rule-set  
`<all>`—Clear all static NAT rule-sets information

---

### `<clear-tgm-media-gateway-controller>`

---

**Usage**

```
<rpc>  
  <clear-tgm-media-gateway-controller>  
    <slot>slot</slot> <!-- mandatory -->  
  </clear-tgm-media-gateway-controller>  
</rpc>
```

**Description** Clear TGM information for this FPC

**Contents** `<slot>`—FPC slot number  
`<media-gateway-controller>`—Name of one or more media gateway controllers

---

### `<clear-web-filter-clear>`

---

**Usage**

```
<rpc>  
  <clear-web-filter-clear/>  
</rpc>
```

```
</rpc>
```

**Description** Clear web-filtering statistics information

---

### <clear-wlan-access-points-neighbors>

---

#### Usage

```
<rpc>  
  <clear-wlan-access-points-neighbors>  
    <wlan-access-point-name>wlan-access-point-name</wlan-access-point-name>  
  <!-- mandatory -->  
  </clear-wlan-access-points-neighbors>  
</rpc>
```

**Description** Clear access point neighbor information

**Contents** <wlan-access-point-name>—Name of the access point

---

### <get-alg-h323-counters>

---

#### Usage

```
<rpc>  
  <get-alg-h323-counters/>  
</rpc>
```

**Description** Show H323 counters

---

### <get-alg-mgcp-call-information>

---

#### Usage

```
<rpc>  
  <get-alg-mgcp-call-information>  
    <endpoint>endpoint</endpoint>  
  </get-alg-mgcp-call-information>  
</rpc>
```

**Description** Show MGCP calls

**Contents** <endpoint>—Show MGCP call endpoint

---

### <get-alg-mgcp-counter-information>

---

#### Usage

```
<rpc>  
  <get-alg-mgcp-counter-information/>
```

```
</rpc>
```

**Description** Show MGCP counters

---

### <get-alg-mgcp-endpoint-information>

---

**Usage**

```
<rpc>  
  <get-alg-mgcp-endpoint-information>  
    <endpoint-name>endpoint-name</endpoint-name>  
  </get-alg-mgcp-endpoint-information>  
</rpc>
```

**Description** Show MGCP endpoints

**Contents** <endpoint-name>—Show MGCP endpoint with identifier

---

### <get-alg-msrpc-uuid2oid-table>

---

**Usage**

```
<rpc>  
  <get-alg-msrpc-uuid2oid-table/>  
</rpc>
```

**Description** Show MSRPC UUID to OID table

---

### <get-alg-sccp-calls>

---

**Usage**

```
<rpc>  
  <get-alg-sccp-calls>  
    <detail/>  
    <brief/>  
  </get-alg-sccp-calls>  
</rpc>
```

**Description** Show SCCP calls

**Contents** <detail>—Display detailed call information

<brief>—Display brief call information (default)

## <get-alg-sccp-counters>

---

**Usage**

```
<rpc>
  <get-alg-sccp-counters/>
</rpc>
```

**Description** Show SCCP counters

## <get-alg-sip-call-information>

---

**Usage**

```
<rpc>
  <get-alg-sip-call-information>
    <detail/>
    <brief/>
  </get-alg-sip-call-information>
</rpc>
```

**Description** Show SIP calls

**Contents** <detail>—Display detailed call information  
<brief>—Display brief call information (default)

## <get-alg-sip-counter-information>

---

**Usage**

```
<rpc>
  <get-alg-sip-counter-information/>
</rpc>
```

**Description** Show SIP counters

## <get-alg-sip-rate-information>

---

**Usage**

```
<rpc>
  <get-alg-sip-rate-information/>
</rpc>
```

**Description** Show SIP rate

## <get-alg-status>

---

**Usage**

```
<rpc>
  <get-alg-status/>
</rpc>
```

**Description** Show ALG status

## <get-appfw-rule-set>

---

**Usage**

```
<rpc>
  <get-appfw-rule-set>
    <rule-set-choice>rule-set-choice</rule-set-choice> <!-- mandatory -->
    <rule-set-name>rule-set-name</rule-set-name> <!-- mandatory -->
    <all/>
  </get-appfw-rule-set>
</rpc>
```

**Description** Show security application firewall rule-set

**Contents** <rule-set-name>—Show the rule-set information matching the given rule-set name  
<all>—Show all rule-sets information

## <get-avt-counters>

---

**Usage**

```
<rpc>
  <get-avt-counters/>
</rpc>
```

**Description** Show Application tracking counters

## <get-chassis-cluster-control-plane-statistics>

---

**Usage**

```
<rpc>
  <get-chassis-cluster-control-plane-statistics/>
</rpc>
```

**Description** Display control-plane statistics

### <get-chassis-cluster-data-plane-interfaces>

---

**Usage**

```
<rpc>  
  <get-chassis-cluster-data-plane-interfaces/>  
</rpc>
```

**Description**    Display data-plane interfaces

### <get-chassis-cluster-data-plane-statistics>

---

**Usage**

```
<rpc>  
  <get-chassis-cluster-data-plane-statistics/>  
</rpc>
```

**Description**    Display data-plane statistics

### <get-chassis-cluster-ethernet-switching-status>

---

**Usage**

```
<rpc>  
  <get-chassis-cluster-ethernet-switching-status/>  
</rpc>
```

**Description**    Display chassis cluster ethernet switching status

### <get-chassis-cluster-interfaces>

---

**Usage**

```
<rpc>  
  <get-chassis-cluster-interfaces/>  
</rpc>
```

**Description**    Display chassis cluster interfaces

### <get-chassis-cluster-ip-monitoring-status>

---

**Usage**

```
<rpc>  
  <get-chassis-cluster-ip-monitoring-status>  
  </get-chassis-cluster-ip-monitoring-status>  
</rpc>
```

**Description** Display IP monitoring status

**Contents** <get-chassis-cluster-ip-monitoring-status-redundancy-group>—Display IP monitoring status for a specific redundancy-group

---

### <get-chassis-cluster-ip-monitoring-status-redundancy-group>

**Usage**

```
<rpc>
  <get-chassis-cluster-ip-monitoring-status-redundancy-group>

  <redundancy-group-identifier>redundancy-group-identifier</redundancy-group-identifier>
  <!-- mandatory -->
  </get-chassis-cluster-ip-monitoring-status-redundancy-group>
</rpc>
```

**Description** Display IP monitoring status for a specific redundancy-group

**Contents** <redundancy-group-identifier>—Redundancy-group identifier

---

### <get-chassis-cluster-statistics>

**Usage**

```
<rpc>
  <get-chassis-cluster-statistics/>
</rpc>
```

**Description** Display chassis cluster statistics

---

### <get-chassis-cluster-status>

**Usage**

```
<rpc>
  <get-chassis-cluster-status>
    <redundancy-group>redundancy-group</redundancy-group>
  </get-chassis-cluster-status>
</rpc>
```

**Description** Display chassis cluster status

**Contents** <redundancy-group>—Display chassis cluster status per redundancy-group

---

### <get-chassis-cluster-switch-fabric-link-interfaces>

**Usage**

```
<rpc>
```



```
<get-chassis-cluster-switch-fabric-link-interfaces/>
</rpc>
```

**Description** Display chassis cluster switch fabric link interfaces

---

### <get-chassis-cluster-switch-fabric-probe-statistics>

---

#### Usage

```
<rpc>
<get-chassis-cluster-switch-fabric-probe-statistics/>
</rpc>
```

**Description** Display chassis cluster switch fabric probe statistics

---

### <get-client-version>

---

#### Usage

```
<rpc>
<get-client-version/>
</rpc>
```

**Description** Show Dynamic VPN client version

---

### <get-destination-nat-pool-information>

---

#### Usage

```
<rpc>
<get-destination-nat-pool-information>
  <pool-choice>pool-choice</pool-choice> <!-- mandatory -->
  <pool-name>pool-name</pool-name> <!-- mandatory -->
  <all/>
  <lsys>lsys</lsys>
  <logical-system>logical-system</logical-system>
  <root-logical-system/>
</get-destination-nat-pool-information>
</rpc>
```

**Description** Show destination NAT address-pool information

**Contents** <pool-name>—The name of the address-pool

- all - All logical systems
- logical-system-name - Logical system name

<all>—Display all destination NAT address-pool information

- all - All logical systems

- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

---

## <get-destination-nat-rule-sets-information>

---

### Usage

```
<rpc>
  <get-destination-nat-rule-sets-information>
    <rule-choice>rule-choice</rule-choice> <!-- mandatory -->
    <rule-name>rule-name</rule-name> <!-- mandatory -->
    <all/>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </get-destination-nat-rule-sets-information>
</rpc>
```

**Description** Show destination NAT rule-set information

**Contents** <rule-name>—The name of the rule-set

- all - All logical systems
- logical-system-name - Logical system name

<all>—Display all destination NAT rule-sets information

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

---

## <get-dialer-defaults-information>

---

### Usage

```
<rpc>
  <get-dialer-defaults-information/>
```

</rpc>

**Description** Show dialer services software defaults

---

### <get-dialer-interface-information>

---

**Usage**

```
<rpc>
  <get-dialer-interface-information>
    <brief/>
    <detail/>
    <interface-name>interface-name</interface-name>
  </get-dialer-interface-information>
</rpc>
```

**Description** Show interface information

**Contents** <brief>—Display brief output

<detail>—Display detailed output

<interface-name>—Name of dialer logical interface

---

### <get-dialer-pool-information>

---

**Usage**

```
<rpc>
  <get-dialer-pool-information>
    <brief/>
    <detail/>
    <pool-name>pool-name</pool-name>
  </get-dialer-pool-information>
</rpc>
```

**Description** Show pool information

**Contents** <brief>—Display brief output

<detail>—Display detailed output

<pool-name>—Dialer pool identifier

---

### <get-eeedebg-action-profile>

---

**Usage**

```
<rpc>
  <get-eeedebg-action-profile/>
```

```
</rpc>
```

**Description** Show current datapath-debug action profile

---

### <get-eeedebug-counters>

---

**Usage**

```
<rpc>  
<get-eeedebug-counters/>  
</rpc>
```

**Description** Show datapath counters

---

### <get-eeedebug-events>

---

**Usage**

```
<rpc>  
<get-eeedebug-events/>  
</rpc>
```

**Description** Show current registered data path events

---

### <get-firewall-authentication-history>

---

**Usage**

```
<rpc>  
<get-firewall-authentication-history>  
  <lsys>lsys</lsys>  
  <logical-system>logical-system</logical-system>  
  <root-logical-system/>  
  <filter>filter</filter>  
  
<get-firewall-authentication-history-specific>  
  <get-firewall-authentication-history-specific/>  
  
<get-firewall-authentication-history-specific>  
  <get-firewall-authentication-history-specific/>  
  
</get-firewall-authentication-history>  
</rpc>
```

**Description** Show firewall authentication history

**Contents** <logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

<get-firewall-authentication-history-specific>—Locate authentication history by id

<get-firewall-authentication-history-specific>—Locate authentication history by ip address

## <get-firewall-authentication-users>

### Usage

```
<rpc>
  <get-firewall-authentication-users>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
    <filter>filter</filter>

  <get-firewall-authentication-users-specific>get-firewall-authentication-users-specific</get-firewall-authentication-users-specific>

  <get-firewall-authentication-users-specific>get-firewall-authentication-users-specific</get-firewall-authentication-users-specific>

  </get-firewall-authentication-users>
</rpc>
```

**Description** Show current firewall authentication users

### Contents

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

<get-firewall-authentication-users-specific>—Locate authentication entry by id

<get-firewall-authentication-users-specific>—Locate authentication entry by ip address

## <get-firewall-dynamic-policies>

### Usage

```
<rpc>
  <get-firewall-dynamic-policies>
    <from-zone>from-zone</from-zone>
    <to-zone>to-zone</to-zone>
    <detail/>
    <scope-id>scope-id</scope-id>
  </get-firewall-dynamic-policies>
</rpc>
```

**Description** Show security firewall dynamic policies

**Contents**

- <from-zone>—Show the policy information matching the given source zone
- <to-zone>—Show the policy information matching the given destination zone
- <detail>—Show the detailed dynamic policy information
- <scope-id>—Show the policy information matching the given scope policy id  
[4...MAX\_POLICIES]

---

## <get-firewall-policies>

---

### Usage

```
<rpc>
  <get-firewall-policies>
    <from-zone>from-zone</from-zone>
    <to-zone>to-zone</to-zone>
    <policy-name>policy-name</policy-name>
    <detail/>
    <zone-context/>
    <start>start</start>
    <count>count</count>
    <application-firewall/>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </get-firewall-policies>
</rpc>
```

**Description** Show security firewall policies

**Contents**

- <from-zone>—Show the policy information matching the given source zone
  - all - All logical systems
  - logical-system-name - Logical system name
- <to-zone>—Show the policy information matching the given destination zone
  - all - All logical systems
  - logical-system-name - Logical system name
- <get-global-firewall-policies>—Show the policy information of global policies
  - all - All logical systems
  - logical-system-name - Logical system name
- <policy-name>—Show the policy information matching the given policy name
  - all - All logical systems
  - logical-system-name - Logical system name

<detail>—Show the detailed information

- all - All logical systems
- logical-system-name - Logical system name

<zone-context>—Show the count of policies in each context (from-zone and to-zone)

- all - All logical systems
- logical-system-name - Logical system name

<start>—Show the policies from a given position

- all - All logical systems
- logical-system-name - Logical system name

<count>—Number of policies to show

- all - All logical systems
- logical-system-name - Logical system name

<application-firewall>—Show the information of application-firewall

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

---

## <get-flow-cp-session>

---

### Usage

```
<rpc>
  <get-flow-cp-session>
    <source-prefix>source-prefix</source-prefix>
    <destination-prefix>destination-prefix</destination-prefix>
    <source-port>source-port</source-port>
    <destination-port>destination-port</destination-port>
    <protocol>protocol</protocol>
    <family>family</family>
    <summary/>
    <terse/>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </get-flow-cp-session>
```

</rpc>

**Description** Show CP sessions

**Contents** <source-prefix>—Source IP prefix or address

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<destination-prefix>—Destination IP prefix or address

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload



- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<source-port>—Source port

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<destination-port>—Destination port

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<protocol>—IP protocol number

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast

- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<family>—Protocol family

- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<summary>—Show output summary

- all - All logical systems
- logical-system-name - Logical system name

<terse>—Show terse output (default)

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

---

## <get-flow-gate-information>

---

### Usage

```
<rpc>
<get-flow-gate-information>
  <source-prefix>source-prefix</source-prefix>
  <destination-prefix>destination-prefix</destination-prefix>
  <source-port>source-port</source-port>
  <destination-port>destination-port</destination-port>
  <protocol>protocol</protocol>
  <family>family</family>
  <summary/>
  <brief/>
  <lsys>lsys</lsys>
  <logical-system>logical-system</logical-system>
```

```
<root-logical-system/>
</get-flow-gate-information>
</rpc>
```

**Description** Show gate information

**Contents** <source-prefix>—Source IP prefix or address

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<destination-prefix>—Destination IP prefix or address

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol

- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<source-port>—Source port

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<destination-port>—Destination port

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<protocol>—IP protocol number

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First

- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<family>—Protocol family

- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<summary>—Show output summary

- all - All logical systems
- logical-system-name - Logical system name

<brief>—Show brief output (default)

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

## <get-flow-ipaction-information>

### Usage

```
<rpc>
<get-flow-ipaction-information>
  <source-prefix>source-prefix</source-prefix>
  <destination-prefix>destination-prefix</destination-prefix>
  <source-port>source-port</source-port>
  <destination-port>destination-port</destination-port>
  <protocol>protocol</protocol>
  <family>family</family>
  <lsys>lsys</lsys>
  <logical-system>logical-system</logical-system>
  <root-logical-system/>
```

```
</get-flow-ipaction-information>
</rpc>
```

**Description** Show ip-action table

**Contents** <source-prefix>—Source IP prefix or address

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<destination-prefix>—Destination IP prefix or address

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation



- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<source-port>—Source port

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<destination-port>—Destination port

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<protocol>—IP protocol number

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast

- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<family>—Protocol family

- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

<get-flow-ipaction-information-all>—Show all ip-action entries

---

## <get-flow-ipaction-information-all>

---

### Usage

```
<rpc>
  <get-flow-ipaction-information-all>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </get-flow-ipaction-information-all>
</rpc>
```

**Description** Show all ip-action entries

**Contents** <logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

## <get-flow-session-by-identifier>

---

### Usage

```
<rpc>
  <get-flow-session-by-identifier>
    <session-identifier>session-identifier</session-identifier> <!-- mandatory -->
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </get-flow-session-by-identifier>
</rpc>
```

**Description** Show session with specified session identifier

**Contents** <session-identifier>—Session identifier

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

## <get-flow-session-information>

---

### Usage

```
<rpc>
  <get-flow-session-information>
    <source-prefix>source-prefix</source-prefix>
    <destination-prefix>destination-prefix</destination-prefix>
    <source-port>source-port</source-port>
    <destination-port>destination-port</destination-port>
    <protocol>protocol</protocol>
    <summary/>
    <brief/>
    <extensive/>
    <idp/>
    <tunnel/>
    <nat/>
    <fast-forward/>
    <resource-manager/>
    <application-firewall/>
    <application>application</application>
    <family>family</family>
    <interface>interface</interface>

    <application-firewall-rule-set>application-firewall-rule-set</application-firewall-rule-set>
```

```

    <dynamic-application>dynamic-application</dynamic-application>

<dynamic-application-group>dynamic-application-group</dynamic-application-group>

    <start-identifier>start-identifier</start-identifier>
    <count>count</count>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
    </get-flow-session-information>
</rpc>

```

**Description** Show session table

**Contents** <source-prefix>—Source IP prefix or address

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- dns - Domain Name Service
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- ignore - Ignore application type

- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- pptp - Point-to-Point Tunneling Protocol
- sun-rpc - Sun Microsystems RPC
- q931 - Q.931
- ras - RAS
- realaudio - RealAudio
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- sqlnet-v2 - Oracle SQL\*Net Version 2
- talk - Talk program
- tftp - Trivial File Transfer Protocol
- http - Hyper Text transfer protocol
- https - Secure HyperText Transfer Protocol
- smtp - Simple Mail Transfer Protocol
- imap - Internet Message Access Protocol
- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<destination-prefix>—Destination IP prefix or address

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol

- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
- dns - Domain Name Service
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- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
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- mgcp-ua - MGCP-UA
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- q931 - Q.931
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- rsh - Remote Shell
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- sip - Session Initiation Protocol
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- imap - Internet Message Access Protocol
- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<source-port>—Source port

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
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- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- ignore - Ignore application type
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC



- pptp - Point-to-Point Tunneling Protocol
- sun-rpc - Sun Microsystems RPC
- q931 - Q.931
- ras - RAS
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- rsh - Remote Shell
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- smtp - Simple Mail Transfer Protocol
- imap - Internet Message Access Protocol
- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<destination-port>—Destination port

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header

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- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)
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- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- ignore - Ignore application type
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- pptp - Point-to-Point Tunneling Protocol
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- sqlnet-v2 - Oracle SQL\*Net Version 2
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- http - Hyper Text transfer protocol
- https - Secure HyperText Transfer Protocol
- smtp - Simple Mail Transfer Protocol
- imap - Internet Message Access Protocol
- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol

- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<protocol>—IP protocol number

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
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- pim - Protocol Independent Multicast
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- protocol-number - Numeric protocol value (0 .. 255)
- dns - Domain Name Service
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- ignore - Ignore application type
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- pptp - Point-to-Point Tunneling Protocol
- sun-rpc - Sun Microsystems RPC
- q931 - Q.931

- ras - RAS
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- smtp - Simple Mail Transfer Protocol
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- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<summary>—Show output summary

- dns - Domain Name Service
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- ignore - Ignore application type
- mgcp-ca - MGCP-CA
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- sip - Session Initiation Protocol
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- talk - Talk program
- tftp - Trivial File Transfer Protocol
- http - Hyper Text transfer protocol
- https - Secure HyperText Transfer Protocol
- smtp - Simple Mail Transfer Protocol
- imap - Internet Message Access Protocol
- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<brief>—Show brief output (default)

- dns - Domain Name Service
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- ignore - Ignore application type
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- pptp - Point-to-Point Tunneling Protocol
- sun-rpc - Sun Microsystems RPC
- q931 - Q.931

- ras - RAS
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- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- sqlnet-v2 - Oracle SQL\*Net Version 2
- talk - Talk program
- tftp - Trivial File Transfer Protocol
- http - Hyper Text transfer protocol
- https - Secure HyperText Transfer Protocol
- smtp - Simple Mail Transfer Protocol
- imap - Internet Message Access Protocol
- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<extensive>—Show detailed output

- dns - Domain Name Service
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- ignore - Ignore application type
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- pptp - Point-to-Point Tunneling Protocol
- sun-rpc - Sun Microsystems RPC
- q931 - Q.931

- ras - RAS
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- rsh - Remote Shell
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- sccp - Skinny Client Control Protocol
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- sqlnet-v2 - Oracle SQL\*Net Version 2
- talk - Talk program
- tftp - Trivial File Transfer Protocol
- http - Hyper Text transfer protocol
- https - Secure HyperText Transfer Protocol
- smtp - Simple Mail Transfer Protocol
- imap - Internet Message Access Protocol
- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<idp>—IDP sessions

- dns - Domain Name Service
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- ignore - Ignore application type
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- pptp - Point-to-Point Tunneling Protocol
- sun-rpc - Sun Microsystems RPC
- q931 - Q.931

- ras - RAS
- realaudio - RealAudio
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- sqlnet-v2 - Oracle SQL\*Net Version 2
- talk - Talk program
- tftp - Trivial File Transfer Protocol
- http - Hyper Text transfer protocol
- https - Secure HyperText Transfer Protocol
- smtp - Simple Mail Transfer Protocol
- imap - Internet Message Access Protocol
- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<tunnel>—Tunnel sessions

- dns - Domain Name Service
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- ignore - Ignore application type
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- pptp - Point-to-Point Tunneling Protocol
- sun-rpc - Sun Microsystems RPC
- q931 - Q.931



- ras - RAS
- realaudio - RealAudio
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- sqlnet-v2 - Oracle SQL\*Net Version 2
- talk - Talk program
- tftp - Trivial File Transfer Protocol
- http - Hyper Text transfer protocol
- https - Secure HyperText Transfer Protocol
- smtp - Simple Mail Transfer Protocol
- imap - Internet Message Access Protocol
- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<nat>—Sessions with network address translation

- dns - Domain Name Service
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- ignore - Ignore application type
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- pptp - Point-to-Point Tunneling Protocol
- sun-rpc - Sun Microsystems RPC
- q931 - Q.931

- ras - RAS
- realaudio - RealAudio
- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- sqlnet-v2 - Oracle SQL\*Net Version 2
- talk - Talk program
- tftp - Trivial File Transfer Protocol
- http - Hyper Text transfer protocol
- https - Secure HyperText Transfer Protocol
- smtp - Simple Mail Transfer Protocol
- imap - Internet Message Access Protocol
- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<fast-forward>—Fast-forward sessions

- dns - Domain Name Service
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- ignore - Ignore application type
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- pptp - Point-to-Point Tunneling Protocol
- sun-rpc - Sun Microsystems RPC
- q931 - Q.931

- ras - RAS
- realaudio - RealAudio
- rsh - Remote Shell
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- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
- sqlnet-v2 - Oracle SQL\*Net Version 2
- talk - Talk program
- tftp - Trivial File Transfer Protocol
- http - Hyper Text transfer protocol
- https - Secure HyperText Transfer Protocol
- smtp - Simple Mail Transfer Protocol
- imap - Internet Message Access Protocol
- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<resource-manager>—Sessions with resource manager

- dns - Domain Name Service
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- ignore - Ignore application type
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- pptp - Point-to-Point Tunneling Protocol
- sun-rpc - Sun Microsystems RPC
- q931 - Q.931

- ras - RAS
- realaudio - RealAudio
- rsh - Remote Shell
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- sccp - Skinny Client Control Protocol
- sip - Session Initiation Protocol
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- talk - Talk program
- tftp - Trivial File Transfer Protocol
- http - Hyper Text transfer protocol
- https - Secure HyperText Transfer Protocol
- smtp - Simple Mail Transfer Protocol
- imap - Internet Message Access Protocol
- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<application-firewall>—Show application-firewall sessions

- dns - Domain Name Service
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
- gprs-sctp - GPRS Stream Control Protocol
- ignore - Ignore application type
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
- pptp - Point-to-Point Tunneling Protocol
- sun-rpc - Sun Microsystems RPC
- q931 - Q.931

- ras - RAS
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- smtp - Simple Mail Transfer Protocol
- imap - Internet Message Access Protocol
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- telnet - Telnet Terminal Emulation Protocol
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<application>—Application protocol name

- dns - Domain Name Service
- ftp - File Transfer Protocol
- gprs-gtp-c - GPRS Tunneling Control Plane
- gprs-gtp-u - GPRS Tunneling User Plane
- gprs-gtp-v0 - GPRS Tunneling Version 0
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- ignore - Ignore application type
- mgcp-ca - MGCP-CA
- mgcp-ua - MGCP-UA
- ms-rpc - Microsoft RPC
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- rsh - Remote Shell
- rtsp - Real Time Streaming Protocol
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- sip - Session Initiation Protocol
- sqlnet-v2 - Oracle SQL\*Net Version 2
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- http - Hyper Text transfer protocol
- https - Secure HyperText Transfer Protocol
- smtp - Simple Mail Transfer Protocol
- imap - Internet Message Access Protocol
- ssh - Secure Shell
- telnet - Telnet Terminal Emulation Protocol
- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<family>—Protocol family

- inet - Show IPv4
- inet6 - Show IPv6/IPv6-NATPT
- all - All logical systems
- logical-system-name - Logical system name

<interface>—Name of incoming or outgoing interface

- all - All logical systems
- logical-system-name - Logical system name

<application-firewall-rule-set>—Show application-firewall session by rule-set

- all - All logical systems
- logical-system-name - Logical system name

<dynamic-application>—Dynamic application name

- all - All logical systems

- logical-system-name - Logical system name

<dynamic-application-group>—Dynamic application group name

- all - All logical systems
- logical-system-name - Logical system name

<start-identifier>—Show sessions from this start identifier

- all - All logical systems
- logical-system-name - Logical system name

<count>—Number of entries to show

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

<get-flow-session-by-identifier>—Show session with specified session identifier

## <get-flow-statistics-all>

### Usage

```
<rpc>
  <get-flow-statistics-all>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </get-flow-statistics-all>
</rpc>
```

**Description** Show flow statistics

**Contents** <logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

## <get-flow-status-all>

---

**Usage**

```
<rpc>
  <get-flow-status-all/>
</rpc>
```

**Description** Show flow status

## <get-global-firewall-policies>

---

**Usage**

```
<rpc>
  <get-global-firewall-policies>
    <policy-name>policy-name</policy-name>
    <detail/>
    <zone-context/>
    <start>start</start>
    <count>count</count>
    <application-firewall/>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </get-global-firewall-policies>
</rpc>
```

**Description** Show the policy information of global policies

**Contents** <policy-name>—Show the policy information matching the given policy name

- all - All logical systems
- logical-system-name - Logical system name

<detail>—Show the detailed information

- all - All logical systems
- logical-system-name - Logical system name

<zone-context>—Show the count of policies in each context (from-zone and to-zone)

- all - All logical systems
- logical-system-name - Logical system name

<start>—Show the policies from a given position

- all - All logical systems
- logical-system-name - Logical system name



<count>—Number of policies to show

- all - All logical systems
- logical-system-name - Logical system name

<application-firewall>—Show the information of application-firewall

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

## <get-gvpn-ike-security-associations-information>

### Usage

```
<rpc>
  <get-gvpn-ike-security-associations-information>
    <brief/>
    <detail/>
    <peer-address>peer-address</peer-address>
    <index>index</index>
    <fpc>fpc</fpc>
    <pic>pic</pic>
    <kmd-instance>kmd-instance</kmd-instance>
  </get-gvpn-ike-security-associations-information>
</rpc>
```

**Description** Show IKE security association information

**Contents** <brief>—Show brief output (default)

<detail>—Show detailed output

<peer-address>—IP address of the peer

<index>—Index of security association

<fpc>—FPC slot number

<pic>—PIC slot number

<kmd-instance>—Name of KMD instance or 'all'

## <get-gvpn-ipsec-statistics-information>

---

**Usage**

```
<rpc>
  <get-gvpn-ipsec-statistics-information>
    <fpc>fpc</fpc>
    <pic>pic</pic>

    <show-gvpn-index-ipsec-statistics>show-gvpn-index-ipsec-statistics</show-gvpn-index-ipsec-statistics>

  </get-gvpn-ipsec-statistics-information>
</rpc>
```

**Description** Show IPSec statistics

**Contents** <fpc>—FPC slot number

<pic>—PIC slot number

<show-gvpn-index-ipsec-statistics>—Index of Security Association

## <get-gvpn-kek-security-associations-information>

---

**Usage**

```
<rpc>
  <get-gvpn-kek-security-associations-information>
    <brief/>
    <detail/>
    <peer-address>peer-address</peer-address>
    <index>index</index>
    <fpc>fpc</fpc>
    <pic>pic</pic>
    <kmd-instance>kmd-instance</kmd-instance>
  </get-gvpn-kek-security-associations-information>
</rpc>
```

**Description** Show KEK security association information

**Contents** <brief>—Show brief output (default)

<detail>—Show detailed output

<peer-address>—IP address of the peer

<index>—Index of security association

<fpc>—FPC slot number

<pic>—PIC slot number

<kmd-instance>—Name of KMD instance or 'all'

## <get-gvpn-security-associations-information>

### Usage

```
<rpc>
  <get-gvpn-security-associations-information>
    <brief/>
    <detail/>

  <show-gvpn-index-ipsec-security-association> <show-gvpn-index-ipsec-security-association> <show-gvpn-index-ipsec-security-association>

    <fpc>fpc</fpc>
    <pic>pic</pic>
    <kmd-instance>kmd-instance</kmd-instance>
  </get-gvpn-security-associations-information>
</rpc>
```

**Description** Show IPSec security association information

**Contents** <brief>—Display brief output

<detail>—Display detailed output

<show-gvpn-index-ipsec-security-association>—Index of security association

<fpc>—FPC slot number

<pic>—PIC slot number

<kmd-instance>—Name of KMD instance or 'all'

## <get-gvrp-information>

### Usage

```
<rpc>
  <get-gvrp-information>
  </get-gvrp-information>
</rpc>
```

**Description** Show Generic VLAN Registration Protocol information

**Contents** <timers>—Show GVRP protocol timers

<statistics>—Show GVRP statistics

## <get-ids-statistics>

---

### Usage

```
<rpc>
  <get-ids-statistics>
    <filter>filter</filter> <!-- mandatory -->
    <zone>zone</zone>
    <interface>interface</interface>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </get-ids-statistics>
</rpc>
```

**Description** Show screen attack statistics information

### Contents

- <zone>—IDS statistics zone
- logical-system-name - Logical system name
- <interface>—IDS statistics interface
- logical-system-name - Logical system name
- <logical-system>—Logical-system name
- logical-system-name - Logical system name
- <root-logical-system>—Root logical-system (default)

## <get-ike-active-peers-information>

---

### Usage

```
<rpc>
  <get-ike-active-peers-information>
    <brief/>
    <detail/>
    <peer-address>peer-address</peer-address>
    <port>port</port>
    <fpc>fpc</fpc>
    <pic>pic</pic>
    <kmd-instance>kmd-instance</kmd-instance>
  </get-ike-active-peers-information>
</rpc>
```

**Description** Show IKE active peers

### Contents

- <brief>—Display brief output
- <detail>—Display detailed output

<peer-address>—IP of peer

<port>—Port number of peer

<fpc>—FPC slot number

<pic>—PIC slot number

<kmd-instance>—Name of KMD instance or 'all'

## <get-ike-security-associations-information>

### Usage

```
<rpc>
  <get-ike-security-associations-information>
    <brief/>
    <detail/>
    <peer-address>peer-address</peer-address>
    <index>index</index>
    <fpc>fpc</fpc>
    <pic>pic</pic>
    <kmd-instance>kmd-instance</kmd-instance>
    <family>family</family>
  </get-ike-security-associations-information>
</rpc>
```

**Description** Show IKE security association information

**Contents** <brief>—Show brief output (default)

- inet - Show IPv4
- inet6 - Show IPv6

<detail>—Show detailed output

- inet - Show IPv4
- inet6 - Show IPv6

<peer-address>—IP address of the peer

- inet - Show IPv4
- inet6 - Show IPv6

<index>—Index of security association

- inet - Show IPv4
- inet6 - Show IPv6

<fpc>—FPC slot number

- inet - Show IPv4
- inet6 - Show IPv6

<pic>—PIC slot number

- inet - Show IPv4
- inet6 - Show IPv6

<kmd-instance>—Name of KMD instance or 'all'

- inet - Show IPv4
- inet6 - Show IPv6

<family>—Show IKE security association by family

- inet - Show IPv4
- inet6 - Show IPv6

---

## <get-interface-nat-ports-information>

---

### Usage

```
<rpc>
  <get-interface-nat-ports-information>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </get-interface-nat-ports-information>
</rpc>
```

**Description** Show interface nat ports information

**Contents** <logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

---

## <get-ipsec-next-hop-tunnel-information>

---

### Usage

```
<rpc>
  <get-ipsec-next-hop-tunnel-information>
    <interface-name>interface-name</interface-name>
  </get-ipsec-next-hop-tunnel-information>
</rpc>
```

**Description** Show manual and auto next-hop-tunnel entries

**Contents** <interface-name>—Name of secure tunnel logical interface

---

### <get-ipsec-statistics-information>

---

**Usage**

```
<rpc>
  <get-ipsec-statistics-information>
    <fpc>fpc</fpc>
    <pic>pic</pic>

    <show-index-ipsec-statistics>show-index-ipsec-statistics</show-index-ipsec-statistics>

  </get-ipsec-statistics-information>
</rpc>
```

**Description** Show IPSec statistics

**Contents** <fpc>—FPC slot number

<pic>—PIC slot number

<show-index-ipsec-statistics>—Index of Security Association

---

### <get-isdn-call-history>

---

**Usage**

```
<rpc>
  <get-isdn-call-history/>
</rpc>
```

**Description** History of calls

---

### <get-isdn-calls>

---

**Usage**

```
<rpc>
  <get-isdn-calls/>
</rpc>
```

**Description** Information about calls

## <get-isdn-q921-statistics>

---

**Usage**

```
<rpc>
  <get-isdn-q921-statistics>
    <interface>interface</interface> <!-- mandatory -->
  </get-isdn-q921-statistics>
</rpc>
```

**Description** Show Q.921 layer statistics

**Contents** <interface>—Interface name

## <get-isdn-q931-statistics>

---

**Usage**

```
<rpc>
  <get-isdn-q931-statistics>
    <interface>interface</interface> <!-- mandatory -->
  </get-isdn-q931-statistics>
</rpc>
```

**Description** Show Q.931 layer statistics

**Contents** <interface>—Interface name

## <get-isdn-status>

---

**Usage**

```
<rpc>
  <get-isdn-status>
    <brief/>
    <detail/>
    <interface>interface</interface>
  </get-isdn-status>
</rpc>
```

**Description** Show isdn information

**Contents** <brief>—Display brief output

<detail>—Display detailed output

<interface>—Interface name



## <get-lsys-license-status>

### Usage

```

<rpc>
  <get-lsys-license-status>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </get-lsys-license-status>
</rpc>

```

**Description** Show logical system status

**Contents** <logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

## <get-modem-wireless-interface>

### Usage

```

<rpc>
  <get-modem-wireless-interface>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
    <firmware/>
    <network/>
    <rsi/>
    <profiles/>
  </get-modem-wireless-interface>
</rpc>

```

**Description** Show wireless interface information

**Contents** <interface-name>—Name of physical interface

<firmware>—Show wireless interface firmware details

<network>—Show wireless Network statistics

<rsi>—Show Received Signal Strength

<profiles>—Show profile details

## <get-performance-session-information>

---

**Usage**

```
<rpc>
  <get-performance-session-information>
    <fpc>fpc</fpc>
    <pic>pic</pic>
  </get-performance-session-information>
</rpc>
```

**Description** Show security performance session information

**Contents** <fpc>—FPC slot number  
<pic>—PIC slot number

## <get-performance-spu-information>

---

**Usage**

```
<rpc>
  <get-performance-spu-information>
    <fpc>fpc</fpc>
    <pic>pic</pic>
  </get-performance-spu-information>
</rpc>
```

**Description** Show security performance SPU information

**Contents** <fpc>—FPC slot number  
<pic>—PIC slot number

## <get-persist-nat-all>

---

**Usage**

```
<rpc>
  <get-persist-nat-all>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </get-persist-nat-all>
</rpc>
```

**Description** Show all persistent NAT information

**Contents** <logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

## <get-persist-nat-interface-information>

### Usage

```
<rpc>
  <get-persist-nat-interface-information>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </get-persist-nat-interface-information>
</rpc>
```

**Description** Show persistent NAT information of this interface

**Contents** <logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

## <get-persist-nat-sum>

### Usage

```
<rpc>
  <get-persist-nat-sum>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </get-persist-nat-sum>
</rpc>
```

**Description** Show persistent NAT summary information

**Contents** <logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

## <get-poe-controller-information>

---

**Usage**

```
<rpc>
  <get-poe-controller-information/>
</rpc>
```

**Description** Show Power over Ethernet system information

## <get-poe-fpc-information>

---

**Usage**

```
<rpc>
  <get-poe-fpc-information>
    <fpc-slot>fpc-slot</fpc-slot>
  </get-poe-fpc-information>
</rpc>
```

**Description** Show power over ethernet fpc information

**Contents** <fpc-slot>—FPC slot number

## <get-poe-interface-information>

---

**Usage**

```
<rpc>
  <get-poe-interface-information>
    <ifname>ifname</ifname>
  </get-poe-interface-information>
</rpc>
```

**Description** Show Power over Ethernet interfaces

**Contents** <ifname>—Name of interface

## <get-poe-notifications>

---

**Usage**

```
<rpc>
  <get-poe-notifications/>
</rpc>
```

**Description** Show Power over Ethernet notification information

## <get-pre-shared-key>

---

**Usage**

```

<rpc>
  <get-pre-shared-key>
    <user-id>user-id</user-id>
    <master-key>master-key</master-key> <!-- mandatory -->
  </get-pre-shared-key>
</rpc>

```

**Description** Show IKE pre-shared key information for a particular group-ike-id user

**Contents** <user-id>—IKE user-id value

<master-key>—Master pre-shared key

## <get-resmgr-group-active>

---

**Usage**

```

<rpc>
  <get-resmgr-group-active>
    <group-number>group-number</group-number>
  </get-resmgr-group-active>
</rpc>

```

**Description** Show active resource manager group service information

**Contents** <group-number>—Show active resource manager group

## <get-resmgr-resource-active>

---

**Usage**

```

<rpc>
  <get-resmgr-resource-active>
    <resource-number>resource-number</resource-number>
  </get-resmgr-resource-active>
</rpc>

```

**Description** Show active resource manager resource service information

**Contents** <resource-number>—Show active resource manager resource

## <get-resmgr-settings>

---

**Usage**

```

<rpc>

```

```
<get-resmgr-settings/>
</rpc>
```

**Description** Show resource manager settings information

---

## <get-resource-manager-summary>

---

### Usage

```
<rpc>
  <get-resource-manager-summary/>
</rpc>
```

**Description** Show resource manager summary information

---

## <get-retag-statistics>

---

### Usage

```
<rpc>
  <get-retag-statistics>
    <filter>filter</filter> <!-- mandatory -->
    <interface>interface</interface>
    <vlan-id>vlan-id</vlan-id>
  </get-retag-statistics>
</rpc>
```

**Description** Show vlan rewrite statistics information

**Contents** <interface>—Rewrite statistics interface

<vlan-id>—Rewrite statistics on vlan-id

---

## <get-schedulers>

---

### Usage

```
<rpc>
  <get-schedulers>
    <scheduler-name>scheduler-name</scheduler-name>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </get-schedulers>
</rpc>
```

**Description** Show the information on one or more schedulers

**Contents** <scheduler-name>—Name of the scheduler

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

## <get-security-associations-information>

### Usage

```
<rpc>
  <get-security-associations-information>
    <brief/>
    <detail/>
    <family>family</family>

  <show-index-ipsec-security-association>show-index-ipsec-security-association</show-index-ipsec-security-association>

    <fpc>fpc</fpc>
    <pic>pic</pic>
    <kmd-instance>kmd-instance</kmd-instance>
  </get-security-associations-information>
</rpc>
```

**Description** Show IPSec security association information

**Contents** <brief>—Display brief output

- inet - Show IPv4
- inet6 - Show IPv6

<detail>—Display detailed output

- inet - Show IPv4
- inet6 - Show IPv6

<family>—Show IPSec security association information by family

- inet - Show IPv4
- inet6 - Show IPv6

<show-index-ipsec-security-association>—Index of security association

<fpc>—FPC slot number

<pic>—PIC slot number

<kmd-instance>—Name of KMD instance or 'all'

---

## <get-security-group-vpn-server-ike-security-associations-information>

---

### Usage

```
<rpc>
  <get-security-group-vpn-server-ike-security-associations-information>
    <brief/>
    <detail/>
    <group_index_choice>group_index_choice</group_index_choice>
    <group>group</group>
    <group-id>group-id</group-id>
    <index>index</index>
    <fpc>fpc</fpc>
    <pic>pic</pic>
    <kmd-instance>kmd-instance</kmd-instance>
  </get-security-group-vpn-server-ike-security-associations-information>
</rpc>
```

**Description** Show IKE security association information

**Contents** <brief>—Show brief output (default)

<detail>—Show detailed output

<group>—Show specified group

<group-id>—Show specified group id

<index>—Index of security association

<fpc>—FPC slot number

<pic>—PIC slot number

<kmd-instance>—Name of KMD instance or 'all'

---

## <get-security-group-vpn-server-kek-sa>

---

### Usage

```
<rpc>
  <get-security-group-vpn-server-kek-sa>
    <brief/>
    <detail/>
    <group_index_choice>group_index_choice</group_index_choice>
    <group>group</group>
    <group-id>group-id</group-id>
    <index>index</index>
    <fpc>fpc</fpc>
    <pic>pic</pic>
    <kmd-instance>kmd-instance</kmd-instance>
  </get-security-group-vpn-server-kek-sa>
```



```
</rpc>
```

**Description** Show KEK security association information

**Contents**

- <brief>—Show brief output (default)
- <detail>—Show detailed output
- <group>—Show specified group
- <group-id>—Show specified group id
- <index>—Index of security association
- <fpc>—FPC slot number
- <pic>—PIC slot number
- <kmd-instance>—Name of KMD instance or 'all'

## <get-security-group-vpn-server-registered-members>

### Usage

```
<rpc>
  <get-security-group-vpn-server-registered-members>
    <group_choice>group_choice</group_choice>

    <show-security-group-vpn-server-reg-group-name>show-security-group-vpn-server-reg-group-name</show-security-group-vpn-server-reg-group-name>

    <show-security-group-vpn-server-reg-group-id>show-security-group-vpn-server-reg-group-id</show-security-group-vpn-server-reg-group-id>

    <fpc>fpc</fpc>
    <pic>pic</pic>
    <kmd-instance>kmd-instance</kmd-instance>
  </get-security-group-vpn-server-registered-members>
</rpc>
```

**Description** Show group VPN registered members for group VPN server

**Contents**

- <show-security-group-vpn-server-reg-group-name>—Show specified group
- <show-security-group-vpn-server-reg-group-id>—Show specified group id
- <fpc>—FPC slot number
- <pic>—PIC slot number
- <kmd-instance>—Name of KMD instance or 'all'

## <get-security-group-vpn-server-security-information>

---

### Usage

```
<rpc>
  <get-security-group-vpn-server-security-information>
    <brief/>
    <detail/>
    <group_choice>group_choice</group_choice>
    <group>group</group>
    <group-id>group-id</group-id>
    <fpc>fpc</fpc>
    <pic>pic</pic>
    <kmd-instance>kmd-instance</kmd-instance>
  </get-security-group-vpn-server-security-information>
</rpc>
```

**Description** Show IPSec security association information for group VPN server

**Contents** <brief>—Show brief output (default)

<detail>—Show detailed output

<group>—Show specified group

<group-id>—Show specified group id

<fpc>—FPC slot number

<pic>—PIC slot number

<kmd-instance>—Name of KMD instance or 'all'

## <get-security-profile-address-book-information>

---

### Usage

```
<rpc>
  <get-security-profile-address-book-information>
    <terse/>
    <detail/>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
    <summary/>
  </get-security-profile-address-book-information>
</rpc>
```

**Description** Show address-book resource information

**Contents** <terse>—Display terse output (default)

- all - All logical systems
- logical-system-name - Logical system name

<detail>—Display detailed output

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system

<summary>—Display summary output

## <get-security-profile-all-resource-information>

### Usage

```
<rpc>
  <get-security-profile-all-resource-information>
  <terse/>
  <detail/>
  <lsys>lsys</lsys>
  <logical-system>logical-system</logical-system>
  <root-logical-system/>
  <summary/>
</get-security-profile-all-resource-information>
</rpc>
```

**Description** Show all resources information per logical system

**Contents** <terse>—Display terse output (default)

- all - All logical systems
- logical-system-name - Logical system name

<detail>—Display detailed output

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system

<summary>—Display summary output

---

## <get-security-profile-auth-entry-information>

---

### Usage

```
<rpc>
  <get-security-profile-auth-entry-information>
    <terse/>
    <detail/>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
    <summary/>
  </get-security-profile-auth-entry-information>
</rpc>
```

**Description** Show authentication resource information

**Contents** <terse>—Display terse output (default)

- all - All logical systems
- logical-system-name - Logical system name

<detail>—Display detailed output

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system

<summary>—Display summary output

---

## <get-security-profile-cpu-information>

---

### Usage

```
<rpc>
  <get-security-profile-cpu-information>
    <terse/>
    <detail/>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
```

```

    <summary/>
  </get-security-profile-cpu-information>
</rpc>

```

**Description** Show CPU utilization information

**Contents**

<terse>—Display terse output (default)

- all - All logical systems
- logical-system-name - Logical system name

<detail>—Display detailed output

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system

<summary>—Display summary output

## <get-security-profile-flow-gate-information>

### Usage

```

<rpc>
  <get-security-profile-flow-gate-information>
    <terse/>
    <detail/>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
    <summary/>
  </get-security-profile-flow-gate-information>
</rpc>

```

**Description** Show flow gate resource information

**Contents**

<terse>—Display terse output (default)

- all - All logical systems
- logical-system-name - Logical system name

<detail>—Display detailed output

- all - All logical systems

- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system

<summary>—Display summary output

---

## <get-security-profile-flow-session-information>

---

### Usage

```
<rpc>
  <get-security-profile-flow-session-information>
  <terse/>
  <detail/>
  <lsys>lsys</lsys>
  <logical-system>logical-system</logical-system>
  <root-logical-system/>
  <summary/>
</get-security-profile-flow-session-information>
</rpc>
```

**Description** Show flow session resource information

**Contents** <terse>—Display terse output (default)

- all - All logical systems
- logical-system-name - Logical system name

<detail>—Display detailed output

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system

<summary>—Display summary output

## <get-security-profile-nat-cone-binding-information>

### Usage

```

<rpc>
  <get-security-profile-nat-cone-binding-information>
    <terse/>
    <detail/>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
    <summary/>
  </get-security-profile-nat-cone-binding-information>
</rpc>

```

**Description** Show nat cone binding resource information

**Contents** <terse>—Display terse output (default)

- all - All logical systems
- logical-system-name - Logical system name

<detail>—Display detailed output

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system

<summary>—Display summary output

## <get-security-profile-nat-destination-pool-information>

### Usage

```

<rpc>
  <get-security-profile-nat-destination-pool-information>
    <terse/>
    <detail/>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
    <summary/>
  </get-security-profile-nat-destination-pool-information>
</rpc>

```

**Description** Show nat destination pool resource information

**Contents**

- <terse>—Display terse output (default)
  - all - All logical systems
  - logical-system-name - Logical system name
- <detail>—Display detailed output
  - all - All logical systems
  - logical-system-name - Logical system name
- <logical-system>—Logical-system name
  - all - All logical systems
  - logical-system-name - Logical system name
- <root-logical-system>—Root logical-system
- <summary>—Display summary output

---

## <get-security-profile-nat-destination-rule-information>

---

### Usage

```
<rpc>
  <get-security-profile-nat-destination-rule-information>
    <terse/>
    <detail/>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
    <summary/>
  </get-security-profile-nat-destination-rule-information>
</rpc>
```

**Description** Show nat destination rule resource information

**Contents**

- <terse>—Display terse output (default)
  - all - All logical systems
  - logical-system-name - Logical system name
- <detail>—Display detailed output
  - all - All logical systems
  - logical-system-name - Logical system name
- <logical-system>—Logical-system name



- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system

<summary>—Display summary output

## <get-security-profile-nat-port-overloading-ip-number-information>

### Usage

```
<rpc>
  <get-security-profile-nat-port-overloading-ip-number-information>
  <terse/>
  <detail/>
  <lsys>lsys</lsys>
  <logical-system>logical-system</logical-system>
  <root-logical-system/>
  <summary/>
</get-security-profile-nat-port-overloading-ip-number-information>
</rpc>
```

**Description** Show nat port overloading resource information

**Contents** <terse>—Display terse output (default)

- all - All logical systems
- logical-system-name - Logical system name

<detail>—Display detailed output

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system

<summary>—Display summary output

## <get-security-profile-nat-rule-referenced-prefix-information>

### Usage

```
<rpc>
  <get-security-profile-nat-rule-referenced-prefix-information>
  <lsys>lsys</lsys>
```

```
<logical-system>logical-system</logical-system>
<root-logical-system/>
<summary/>
<terse/>
<detail/>
</get-security-profile-nat-rule-referenced-prefix-information>
</rpc>
```

**Description** Show nat rule referenced IP-prefix information

**Contents** <logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system

<summary>—Display summary output

<terse>—Display terse output (default)

<detail>—Display detailed output

---

## <get-security-profile-nat-source-nopat-address-information>

---

### Usage

```
<rpc>
<get-security-profile-nat-source-nopat-address-information>
<terse/>
<detail/>
<lsys>lsys</lsys>
<logical-system>logical-system</logical-system>
<root-logical-system/>
<summary/>
</get-security-profile-nat-source-nopat-address-information>
</rpc>
```

**Description** Show nat source nopat address resource information

**Contents** <terse>—Display terse output (default)

- all - All logical systems
- logical-system-name - Logical system name

<detail>—Display detailed output

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system

<summary>—Display summary output

---

## <get-security-profile-nat-source-pat-address-information>

---

### Usage

```
<rpc>
  <get-security-profile-nat-source-pat-address-information>
  <terse/>
  <detail/>
  <lsys>lsys</lsys>
  <logical-system>logical-system</logical-system>
  <root-logical-system/>
  <summary/>
</get-security-profile-nat-source-pat-address-information>
</rpc>
```

**Description** Show nat source pat address resource information

**Contents** <terse>—Display terse output (default)

- all - All logical systems
- logical-system-name - Logical system name

<detail>—Display detailed output

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system

<summary>—Display summary output

---

## <get-security-profile-nat-source-pool-information>

---

### Usage

```
<rpc>
  <get-security-profile-nat-source-pool-information>
```

```
<terse/>
<detail/>
<lsys>lsys</lsys>
<logical-system>logical-system</logical-system>
<root-logical-system/>
<summary/>
</get-security-profile-nat-source-pool-information>
</rpc>
```

**Description** Show nat source pool resource information

**Contents** <terse>—Display terse output (default)

- all - All logical systems
- logical-system-name - Logical system name

<detail>—Display detailed output

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system

<summary>—Display summary output

---

## <get-security-profile-nat-source-rule-information>

---

### Usage

```
<rpc>
<get-security-profile-nat-source-rule-information>
<terse/>
<detail/>
<lsys>lsys</lsys>
<logical-system>logical-system</logical-system>
<root-logical-system/>
<summary/>
</get-security-profile-nat-source-rule-information>
</rpc>
```

**Description** Show nat source rule resource information

**Contents** <terse>—Display terse output (default)

- all - All logical systems

- logical-system-name - Logical system name

<detail>—Display detailed output

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system

<summary>—Display summary output

## <get-security-profile-nat-static-rule-information>

### Usage

```
<rpc>
  <get-security-profile-nat-static-rule-information>
    <terse/>
    <detail/>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
    <summary/>
  </get-security-profile-nat-static-rule-information>
</rpc>
```

**Description** Show nat static rule resource information

**Contents** <terse>—Display terse output (default)

- all - All logical systems
- logical-system-name - Logical system name

<detail>—Display detailed output

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system

<summary>—Display summary output

## <get-security-profile-policy-information>

---

### Usage

```
<rpc>
  <get-security-profile-policy-information>
    <terse/>
    <detail/>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
    <summary/>
  </get-security-profile-policy-information>
</rpc>
```

**Description** Show policy resource information

**Contents** <terse>—Display terse output (default)

- all - All logical systems
- logical-system-name - Logical system name

<detail>—Display detailed output

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system

<summary>—Display summary output

## <get-security-profile-policy-with-count-information>

---

### Usage

```
<rpc>
  <get-security-profile-policy-with-count-information>
    <terse/>
    <detail/>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
    <summary/>
  </get-security-profile-policy-with-count-information>
```

</rpc>

**Description** Show resource information of policy with count

**Contents**

- <terse>—Display terse output (default)
  - all - All logical systems
  - logical-system-name - Logical system name
- <detail>—Display detailed output
  - all - All logical systems
  - logical-system-name - Logical system name
- <logical-system>—Logical-system name
  - all - All logical systems
  - logical-system-name - Logical system name
- <root-logical-system>—Root logical-system
- <summary>—Display summary output

## <get-security-profile-scheduler-information>

### Usage

```
<rpc>
  <get-security-profile-scheduler-information>
    <terse/>
    <detail/>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
    <summary/>
  </get-security-profile-scheduler-information>
</rpc>
```

**Description** Show scheduler resource information

**Contents**

- <terse>—Display terse output (default)
  - all - All logical systems
  - logical-system-name - Logical system name
- <detail>—Display detailed output
  - all - All logical systems
  - logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system

<summary>—Display summary output

---

## <get-security-profile-zone-information>

---

### Usage

```
<rpc>
  <get-security-profile-zone-information>
    <terse/>
    <detail/>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
    <summary/>
  </get-security-profile-zone-information>
</rpc>
```

**Description** Show zone resource information

**Contents** <terse>—Display terse output (default)

- all - All logical systems
- logical-system-name - Logical system name

<detail>—Display detailed output

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system

<summary>—Display summary output

---

## <get-security-report-threats-recent-activity>

---

### Usage

```
<rpc>
  <get-security-report-threats-recent-activity/>
```



</rpc>

**Description** Show the most recent threat activities

---

### <get-security-report-threats-statistics>

---

**Usage**

```
<rpc>  
<get-security-report-threats-statistics/>  
</rpc>
```

**Description** Show the threat statistics

---

### <get-security-report-threats-summary>

---

**Usage**

```
<rpc>  
<get-security-report-threats-summary/>  
</rpc>
```

**Description** Show threat indicator summary

---

### <get-security-report-traffic-statistics>

---

**Usage**

```
<rpc>  
<get-security-report-traffic-statistics/>  
</rpc>
```

**Description** Show the traffic statistics

---

### <get-smtp-configuration>

---

**Usage**

```
<rpc>  
<get-smtp-configuration/>  
</rpc>
```

**Description** Show SMTP server configuration information

---

### <get-smtp-statistics>

---

**Usage**

```
<rpc>
```

```
<get-smtp-statistics/>
</rpc>
```

**Description** Show SMTP client service statistics

---

## <get-source-nat-rule-sets-information>

---

### Usage

```
<rpc>
  <get-source-nat-rule-sets-information>
    <rule-choice>rule-choice</rule-choice> <!-- mandatory -->
    <rule-name>rule-name</rule-name> <!-- mandatory -->
    <all/>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </get-source-nat-rule-sets-information>
</rpc>
```

**Description** Show source NAT rule-set information

**Contents** <rule-name>—The name of the source NAT rule-set

- all - All logical systems
- logical-system-name - Logical system name

<all>—Display all source NAT rule-sets information

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

---

## <get-spu-monitoring-information>

---

### Usage

```
<rpc>
  <get-spu-monitoring-information>
    <fpc-slot>fpc-slot</fpc-slot> <!-- mandatory -->
  </get-spu-monitoring-information>
</rpc>
```

**Description** Show the FPC slot security monitoring information

**Contents** <fpc-slot>—FPC slot number

## <get-static-nat-rule-information>

---

### Usage

```
<rpc>
  <get-static-nat-rule-information>
    <rule-choice>rule-choice</rule-choice> <!-- mandatory -->
    <rule-name>rule-name</rule-name> <!-- mandatory -->
    <all/>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </get-static-nat-rule-information>
</rpc>
```

**Description** Show static NAT rule information

**Contents** <rule-name>—The name of the rule

- all - All logical systems
- logical-system-name - Logical system name

<all>—Display all static NAT rule information

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

## <get-telemetries-information>

---

### Usage

```
<rpc>
  <get-telemetries-information>
    <ifname>ifname</ifname> <!-- mandatory -->
    <all/>
    <entries/>
  </get-telemetries-information>
</rpc>
```

**Description** Show telemetries for an interface

**Contents** <ifname>—Name of interface

<all>—Show all entries

<entries>—Number of entries

---

### <get-tgm-dynamic-cac-information>

---

**Usage**

```
<rpc>
  <get-tgm-dynamic-cac-information/>
</rpc>
```

**Description** Show dynamic call admission control information

---

### <get-tgm-information>

---

**Usage**

```
<rpc>
  <get-tgm-information>
    <slot>slot</slot> <!-- mandatory -->
    <media-gateway-controller/>
    <dsp-capacity/>
  </get-tgm-information>
</rpc>
```

**Description** Show Flexible PIC Concentrator information

**Contents** <slot>—FPC slot number

<media-gateway-controller>—Show TGM media gateway controller configuration

<dsp-capacity>—Show TGM DSP resources

---

### <get-tgm-telephony-interface-module-status>

---

**Usage**

```
<rpc>
  <get-tgm-telephony-interface-module-status>
    <status/>
  </get-tgm-telephony-interface-module-status>
</rpc>
```

**Description** Show telephony interface module information

**Contents**    <status>—Status of telephony interface modules

---

## <get-uac-auth-table>

---

**Usage**

```
<rpc>
  <get-uac-auth-table>
    <detail/>
    <identifier>identifier</identifier>
  </get-uac-auth-table>
</rpc>
```

**Description**    Show authentication table configured from infranet controller

**Contents**    <detail>—Display detail output

                 <identifier>—Show specified authentication entry

---

## <get-uac-policies>

---

**Usage**

```
<rpc>
  <get-uac-policies>
    <detail/>
    <identifier>identifier</identifier>
  </get-uac-policies>
</rpc>
```

**Description**    Access policies from infranet controller

**Contents**    <detail>—Display detail output

                 <identifier>—Show specified policy information

---

## <get-uac-status>

---

**Usage**

```
<rpc>
  <get-uac-status/>
</rpc>
```

**Description**    Show connection status with infranet controller

## <get-user-connection>

---

**Usage**

```
<rpc>
  <get-user-connection>
    <terse/>
    <detail/>
  </get-user-connection>
</rpc>
```

**Description** Show Dynamic VPN user connection information

**Contents** <terse>—Display terse output

<detail>—Display detailed user connection information (default)

## <get-wlan-access-points-list>

---

**Usage**

```
<rpc>
  <get-wlan-access-points-list>
    <wlan-access-point-name>wlan-access-point-name</wlan-access-point-name>

    <client-associations/>
    <neighbors/>
    <virtual-access-points/>
    <detail/>
  </get-wlan-access-points-list>
</rpc>
```

**Description** Show Wireless LAN access points information

**Contents** <wlan-access-point-name>—Name of the access point

<client-associations>—Show access point client associations

<neighbors>—Show access point neighbors

<virtual-access-points>—Show virtual access points

<detail>—Show detailed output

## <get-wx-status>

---

**Usage**

```
<rpc>
  <get-wx-status>
</get-wx-status>
```

```
</rpc>
```

**Description** Show WAN acceleration status

#### Contents

### <get-zones-information>

---

#### Usage

```
<rpc>
  <get-zones-information>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
    <filter>filter</filter>

    <get-zones-named-information>get-zones-named-information</get-zones-named-information>

    <type>type</type>
    <terse/>
    <detail/>
  </get-zones-information>
</rpc>
```

**Description** Show security zone information

#### Contents

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name
- functional - Show information for functional zones
- security - Show information for security zones

<root-logical-system>—Root logical-system (default)

- functional - Show information for functional zones
- security - Show information for security zones

<get-zones-named-information>—Show information for a specified zone

- functional - Show information for functional zones
- security - Show information for security zones

<type>—Show information for zones of a specified type

- functional - Show information for functional zones
- security - Show information for security zones

<terse>—Display terse output

<detail>—Display detailed output (default)

---

## <match-firewall-policies>

---

### Usage

```
<rpc>
  <match-firewall-policies>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
    <from-zone>from-zone</from-zone> <!-- mandatory -->
    <to-zone>to-zone</to-zone> <!-- mandatory -->
    <source-ip>source-ip</source-ip> <!-- mandatory -->
    <destination-ip>destination-ip</destination-ip> <!-- mandatory -->
    <source-port>source-port</source-port> <!-- mandatory -->
    <destination-port>destination-port</destination-port> <!-- mandatory -->
    <protocol>protocol</protocol> <!-- mandatory -->
    <result-count>result-count</result-count>
  </match-firewall-policies>
</rpc>
```

**Description** Show security match policies

**Contents** <logical-system>—Logical-system name

- logical-system-name - Logical system name
- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)



<root-logical-system>—Root logical-system (default)

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)

<from-zone>—Match policy for the given source zone

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)

<to-zone>—Match policy for the given destination zone

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)

<match-global-policies>—Match global policy

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)

<source-ip>—Match policy for the given source IP

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)

<destination-ip>—Match policy for the given destination IP

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)

<source-port>—Match policy for the given source port)

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)

<destination-port>—Match policy for the given destination port)

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)

<protocol>—Match policy for the given protocol)

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)

<result-count>—Expected results count (optional)

## <match-global-policies>

### Usage

```
<rpc>
  <match-global-policies>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
    <source-ip>source-ip</source-ip> <!-- mandatory -->
    <destination-ip>destination-ip</destination-ip> <!-- mandatory -->
    <source-port>source-port</source-port> <!-- mandatory -->
    <destination-port>destination-port</destination-port> <!-- mandatory -->
    <protocol>protocol</protocol> <!-- mandatory -->
    <result-count>result-count</result-count>
  </match-global-policies>
</rpc>
```

**Description** Match global policy

**Contents** <logical-system>—Logical-system name

- logical-system-name - Logical system name
- icmp - Internet Control Message Protocol

- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)

<root-logical-system>—Root logical-system (default)

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)

<source-ip>—Match policy for the given source IP

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)

<destination-ip>—Match policy for the given destination IP

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)

<source-port>—Match policy for the given source port)

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)

<destination-port>—Match policy for the given destination port)

- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)

<protocol>—Match policy for the given protocol)



- icmp - Internet Control Message Protocol
- igmp - Internet Group Management Protocol
- ipip - IP in IP
- tcp - Transmission Control Protocol
- egp - Exterior gateway protocol
- udp - User Datagram Protocol
- rsvp - Resource Reservation Protocol
- gre - Generic routing encapsulation
- esp - IPSec Encapsulating Security Payload
- ah - IP Security authentication header
- icmp6 - Internet Control Message Protocol Version 6
- ospf - Open Shortest Path First
- pim - Protocol Independent Multicast
- sctp - Stream Control Transmission Protocol
- protocol-number - Numeric protocol value (0 .. 255)

<result-count>—Expected results count (optional)

---

### <request-anti-virus-request-update-express>

---

#### Usage

```
<rpc>
  <request-anti-virus-request-update-express>
    <pattern-update/>
    <pattern-reload/>
    <pattern-delete/>
  </request-anti-virus-request-update-express>
</rpc>
```

**Description** Request update of anti-virus pattern for juniper-express-engine

**Contents** <pattern-update>—Update juniper-express-engine pattern  
<pattern-reload>—Reload juniper-express-engine pattern  
<pattern-delete>—Delete juniper-express-engine pattern

---

### <request-anti-virus-request-update-kaspersky>

---

#### Usage

```
<rpc>
  <request-anti-virus-request-update-kaspersky>
```

```
<pattern-update/>
<pattern-reload/>
<pattern-delete/>
</request-anti-virus-request-update-kaspersky>
</rpc>
```

**Description** Request update of anti-virus pattern for kaspersky-lab-engine

**Contents** <pattern-update>—Update kaspersky-lab-engine pattern

<pattern-reload>—Reload kaspersky-lab-engine pattern

<pattern-delete>—Delete kaspersky-lab-engine pattern

---

### <request-anti-virus-update-sophos-patterns>

---

**Usage**

```
<rpc>
<request-anti-virus-update-sophos-patterns>
<pattern-update/>
<pattern-reload/>
<pattern-delete/>
</request-anti-virus-update-sophos-patterns>
</rpc>
```

**Description** Request update of anti-virus pattern for sophos-engine

**Contents** <pattern-update>—Update sophos-engine pattern

<pattern-reload>—Reload sophos-engine pattern

<pattern-delete>—Delete sophos-engine pattern

---

### <request-chassis-cluster-in-service-upgrade>

---

**Usage**

```
<rpc>
<request-chassis-cluster-in-service-upgrade>
<abort/>
</request-chassis-cluster-in-service-upgrade>
</rpc>
```

**Description** Initiate in-service-upgrade

**Contents** <abort>—Abort in-service-upgrade

<failover>—Initiate failover for a redundancy-group

## <request-eedebg-capture-start>

---

**Usage**

```
<rpc>
  <request-eedebg-capture-start/>
</rpc>
```

**Description** Start datapath debug packet capture

## <request-eedebg-capture-stop>

---

**Usage**

```
<rpc>
  <request-eedebg-capture-stop/>
</rpc>
```

**Description** Stop datapath debug packet capture

## <request-gsm-change-pin>

---

**Usage**

```
<rpc>
  <request-gsm-change-pin>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
    <old-pin>old-pin</old-pin> <!-- mandatory -->
    <new-pin>new-pin</new-pin> <!-- mandatory -->
  </request-gsm-change-pin>
</rpc>
```

**Description** Unblock SIM

**Contents** <interface-name>—Name of physical interface

<old-pin>—Current SIM unlock code (PIN)

<new-pin>—New SIM unlock code (PIN) to be set

## <request-gsm-create-profile>

---

**Usage**

```
<rpc>
  <request-gsm-create-profile>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
    <profile-id>profile-id</profile-id> <!-- mandatory -->
    <sip-user-id>sip-user-id</sip-user-id>
    <sip-password>sip-password</sip-password>
    <access-point-name>access-point-name</access-point-name> <!-- mandatory
```

```
-->
  <authentication-method>authentication-method</authentication-method>
</request-gsm-create-profile>
</rpc>
```

**Description** Create GSM profile

**Contents**

<interface-name>—Name of physical interface

- pap - Password Authentication Protocol
- chap - Challenge Handshake Authentication Protocol

<profile-id>—Profile Id

- pap - Password Authentication Protocol
- chap - Challenge Handshake Authentication Protocol

<sip-user-id>—SIP User ID

- pap - Password Authentication Protocol
- chap - Challenge Handshake Authentication Protocol

<sip-password>—SIP Password

- pap - Password Authentication Protocol
- chap - Challenge Handshake Authentication Protocol

<access-point-name>—Access Point Name (APN)

- pap - Password Authentication Protocol
- chap - Challenge Handshake Authentication Protocol

<authentication-method>—Authentication method

- pap - Password Authentication Protocol
- chap - Challenge Handshake Authentication Protocol

---

## <request-gsm-delete-profile>

---

### Usage

```
<rpc>
  <request-gsm-delete-profile>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
    <profile-id>profile-id</profile-id> <!-- mandatory -->
  </request-gsm-delete-profile>
</rpc>
```

|                    |   |
|--------------------|---|
| <b>Description</b> | Create GSM profile  |
| <b>Contents</b>    | <p>&lt;interface-name&gt;—Name of physical interface</p> <p>&lt;profile-id&gt;—Profile Id</p> |

### <request-gsm-sim-lock>

---

#### Usage

```
<rpc>
  <request-gsm-sim-lock>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
    <pin>pin</pin> <!-- mandatory -->
    <enable/>
    <disable/>
  </request-gsm-sim-lock>
</rpc>
```

|                    |   |
|--------------------|---|
| <b>Description</b> | Enable or disable SIM lock  |
| <b>Contents</b>    | <p>&lt;interface-name&gt;—Name of physical interface</p> <p>&lt;pin&gt;—SIM unlock code (PIN)</p> <p>&lt;enable&gt;—Enable SIM lock</p> <p>&lt;disable&gt;—Disable SIM lock</p> |

### <request-gsm-sim-unblock>

---

#### Usage

```
<rpc>
  <request-gsm-sim-unblock>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
    <puk>puk</puk> <!-- mandatory -->
    <pin>pin</pin> <!-- mandatory -->
  </request-gsm-sim-unblock>
</rpc>
```

|                    |   |
|--------------------|---|
| <b>Description</b> | Unblock SIM   |
| <b>Contents</b>    | <p>&lt;interface-name&gt;—Name of physical interface</p> <p>&lt;puk&gt;—SIM unblock code (PUK)</p> <p>&lt;pin&gt;—New SIM unlock code (PIN) to be set</p> |

## <request-gsm-sim-unlock>

---

**Usage**

```
<rpc>
  <request-gsm-sim-unlock>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
    <pin>pin</pin> <!-- mandatory -->
  </request-gsm-sim-unlock>
</rpc>
```

**Description**    Unlock SIM

**Contents**    <interface-name>—Name of physical interface  
                 <pin>—SIM unlock code (PIN)

## <request-modem-wireless-activate-iota>

---

**Usage**

```
<rpc>
  <request-modem-wireless-activate-iota>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
  </request-modem-wireless-activate-iota>
</rpc>
```

**Description**    Internet Over The Air Activation

**Contents**    <interface-name>—Name of physical interface

## <request-modem-wireless-activate-manual>

---

**Usage**

```
<rpc>
  <request-modem-wireless-activate-manual>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
    <msl>msl</msl> <!-- mandatory -->
    <mdn>mdn</mdn> <!-- mandatory -->
    <imsi>imsi</imsi> <!-- mandatory -->
    <sid>sid</sid>
    <nid>nid</nid>
    <sip-user-id>sip-user-id</sip-user-id>
    <sip-password>sip-password</sip-password>
  </request-modem-wireless-activate-manual>
</rpc>
```

**Description**    Manual Activation

**Contents** <interface-name>—Name of physical interface

<msl>—Master Subsidy Lock

<mdn>—Mobile Dictionary Number

<imsi>—International Mobile Station Identity

<sid>—System identification

<nid>—Network identification

<sip-user-id>—SIP user ID

<sip-password>—SIP password

### <request-modem-wireless-activate-otasp>

---

**Usage**

```
<rpc>
  <request-modem-wireless-activate-otasp>
    <interface-name>interface-name</interface-name> <!-- mandatory -->
    <dial-string>dial-string</dial-string> <!-- mandatory -->
  </request-modem-wireless-activate-otasp>
</rpc>
```

**Description** Over The Air Service Provisioning

**Contents** <interface-name>—Name of physical interface

<dial-string>—

### <request-wlan-access-point-firmware-switch>

---

**Usage**

```
<rpc>
  <request-wlan-access-point-firmware-switch>
    <wlan-access-point-name>wlan-access-point-name</wlan-access-point-name>
  <!-- mandatory -->
  </request-wlan-access-point-firmware-switch>
</rpc>
```

**Description** Switch to alternate firmware image on the access point

**Contents** <wlan-access-point-name>—Name of the access point

## <request-wlan-access-point-firmware-upgrade>

---

**Usage**

```
<rpc>
  <request-wlan-access-point-firmware-upgrade>
    <name/>
    <all/>
    <file>file</file> <!-- mandatory -->
  </request-wlan-access-point-firmware-upgrade>
</rpc>
```

**Description** Upgrade the firmware

**Contents** <name>—Name of the access point

<all>—All access points

<file>—Manually specified firmware file

## <request-wlan-access-point-packet-capture-start>

---

**Usage**

```
<rpc>
  <request-wlan-access-point-packet-capture-start>
    <wlan-access-point-name>wlan-access-point-name</wlan-access-point-name>
  <!-- mandatory -->
    <interface>interface</interface> <!-- mandatory -->
    <duration>duration</duration>
    <filename>filename</filename>
    <size>size</size>
    <promiscuous/>
    <disable-beacons/>
    <filter-mac>filter-mac</filter-mac>
  </request-wlan-access-point-packet-capture-start>
</rpc>
```

**Description** Start the packet capture

**Contents** <wlan-access-point-name>—Name of the access point

- Bridge - Bridge interface on the access point
- Ethernet - Ethernet interface on the access point
- Radio1 - Radio 1 interface on the access point
- Radio2 - Radio 2 interface on the access point
- Radio1VAP0 - Radio 1 VAP 0 interface on the access point
- Radio1VAP1 - Radio 1 VAP 1 interface on the access point



- Radio1VAP2 - Radio 1 VAP 2 interface on the access point
- Radio1VAP3 - Radio 1 VAP 3 interface on the access point
- Radio1VAP4 - Radio 1 VAP 4 interface on the access point
- Radio1VAP5 - Radio 1 VAP 5 interface on the access point
- Radio1VAP6 - Radio 1 VAP 6 interface on the access point
- Radio1VAP7 - Radio 1 VAP 7 interface on the access point
- Radio1VAP8 - Radio 1 VAP 8 interface on the access point
- Radio1VAP9 - Radio 1 VAP 9 interface on the access point
- Radio1VAP10 - Radio 1 VAP 10 interface on the access point
- Radio1VAP11 - Radio 1 VAP 11 interface on the access point
- Radio1VAP12 - Radio 1 VAP 12 interface on the access point
- Radio1VAP13 - Radio 1 VAP 13 interface on the access point
- Radio1VAP14 - Radio 1 VAP 14 interface on the access point
- Radio1VAP15 - Radio 1 VAP 15 interface on the access point
- Radio2VAP0 - Radio 2 VAP 0 interface on the access point
- Radio2VAP1 - Radio 2 VAP 1 interface on the access point
- Radio2VAP2 - Radio 2 VAP 2 interface on the access point
- Radio2VAP3 - Radio 2 VAP 3 interface on the access point
- Radio2VAP4 - Radio 2 VAP 4 interface on the access point
- Radio2VAP5 - Radio 2 VAP 5 interface on the access point
- Radio2VAP6 - Radio 2 VAP 6 interface on the access point
- Radio2VAP7 - Radio 2 VAP 7 interface on the access point
- Radio2VAP8 - Radio 2 VAP 8 interface on the access point
- Radio2VAP9 - Radio 2 VAP 9 interface on the access point
- Radio2VAP10 - Radio 2 VAP 10 interface on the access point
- Radio2VAP11 - Radio 2 VAP 11 interface on the access point
- Radio2VAP12 - Radio 2 VAP 12 interface on the access point
- Radio2VAP13 - Radio 2 VAP 13 interface on the access point
- Radio2VAP14 - Radio 2 VAP 14 interface on the access point
- Radio2VAP15 - Radio 2 VAP 15 interface on the access point

<interface>—Name of the interface

- Bridge - Bridge interface on the access point
- Ethernet - Ethernet interface on the access point

- Radio1 - Radio 1 interface on the access point
- Radio2 - Radio 2 interface on the access point
- Radio1VAP0 - Radio 1 VAP 0 interface on the access point
- Radio1VAP1 - Radio 1 VAP 1 interface on the access point
- Radio1VAP2 - Radio 1 VAP 2 interface on the access point
- Radio1VAP3 - Radio 1 VAP 3 interface on the access point
- Radio1VAP4 - Radio 1 VAP 4 interface on the access point
- Radio1VAP5 - Radio 1 VAP 5 interface on the access point
- Radio1VAP6 - Radio 1 VAP 6 interface on the access point
- Radio1VAP7 - Radio 1 VAP 7 interface on the access point
- Radio1VAP8 - Radio 1 VAP 8 interface on the access point
- Radio1VAP9 - Radio 1 VAP 9 interface on the access point
- Radio1VAP10 - Radio 1 VAP 10 interface on the access point
- Radio1VAP11 - Radio 1 VAP 11 interface on the access point
- Radio1VAP12 - Radio 1 VAP 12 interface on the access point
- Radio1VAP13 - Radio 1 VAP 13 interface on the access point
- Radio1VAP14 - Radio 1 VAP 14 interface on the access point
- Radio1VAP15 - Radio 1 VAP 15 interface on the access point
- Radio2VAP0 - Radio 2 VAP 0 interface on the access point
- Radio2VAP1 - Radio 2 VAP 1 interface on the access point
- Radio2VAP2 - Radio 2 VAP 2 interface on the access point
- Radio2VAP3 - Radio 2 VAP 3 interface on the access point
- Radio2VAP4 - Radio 2 VAP 4 interface on the access point
- Radio2VAP5 - Radio 2 VAP 5 interface on the access point
- Radio2VAP6 - Radio 2 VAP 6 interface on the access point
- Radio2VAP7 - Radio 2 VAP 7 interface on the access point
- Radio2VAP8 - Radio 2 VAP 8 interface on the access point
- Radio2VAP9 - Radio 2 VAP 9 interface on the access point
- Radio2VAP10 - Radio 2 VAP 10 interface on the access point
- Radio2VAP11 - Radio 2 VAP 11 interface on the access point
- Radio2VAP12 - Radio 2 VAP 12 interface on the access point
- Radio2VAP13 - Radio 2 VAP 13 interface on the access point

- Radio2VAP14 - Radio 2 VAP 14 interface on the access point
- Radio2VAP15 - Radio 2 VAP 15 interface on the access point

<duration>—Capture duration

<filename>—Name of the captured file

<size>—Maximum file size

<promiscuous>—Enable promiscuous mode

<disable-beacons>—Disable capture of beacons

<filter-mac>—MAC address of the interface

---

### <request-wlan-access-point-packet-capture-stop>

---

#### Usage

```
<rpc>
  <request-wlan-access-point-packet-capture-stop>
    <wlan-access-point-name>wlan-access-point-name</wlan-access-point-name>
  <!-- mandatory -->
  </request-wlan-access-point-packet-capture-stop>
</rpc>
```

**Description** Stop the packet capture

**Contents** <wlan-access-point-name>—Name of the access point

---

### <request-wlan-access-point-restart>

---

#### Usage

```
<rpc>
  <request-wlan-access-point-restart>
    <wlan-access-point-name>wlan-access-point-name</wlan-access-point-name>
  <!-- mandatory -->
  </request-wlan-access-point-restart>
</rpc>
```

**Description** Restart operation

**Contents** <wlan-access-point-name>—Name of the access point

---

### <retrieve-destination-nat-summary-information>

---

#### Usage

```
<rpc>
  <retrieve-destination-nat-summary-information>
```

```
<lsys>lsys</lsys>
<logical-system>logical-system</logical-system>
<root-logical-system/>
</retrieve-destination-nat-summary-information>
</rpc>
```

**Description** Show destination NAT summary information

**Contents** <logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

---

## <retrieve-persist-nat-ip-port-information>

---

### Usage

```
<rpc>
<retrieve-persist-nat-ip-port-information>
<ip>ip</ip> <!-- mandatory -->
<internal-port>internal-port</internal-port>
<internal-protocol>internal-protocol</internal-protocol>
<lsys>lsys</lsys>
<logical-system>logical-system</logical-system>
<root-logical-system/>
</retrieve-persist-nat-ip-port-information>
</rpc>
```

**Description** Show persistent NAT information of internal IP and port

**Contents** <ip>—Internal IP address

- all - All logical systems
- logical-system-name - Logical system name

<internal-port>—Internal port

- all - All logical systems
- logical-system-name - Logical system name

<internal-protocol>—Internal protocol

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems

- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

## <retrieve-persist-nat-pool-information>

### Usage

```
<rpc>
  <retrieve-persist-nat-pool-information>
    <pool-name>pool-name</pool-name> <!-- mandatory -->
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </retrieve-persist-nat-pool-information>
</rpc>
```

**Description** Show persistent NAT information of this pool

**Contents** <pool-name>—Source NAT pool name

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

## <retrieve-source-nat-pool-information>

### Usage

```
<rpc>
  <retrieve-source-nat-pool-information>
    <pool-choice>pool-choice</pool-choice> <!-- mandatory -->
    <pool-name>pool-name</pool-name> <!-- mandatory -->
    <all/>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </retrieve-source-nat-pool-information>
</rpc>
```

**Description** Show source NAT information of this pool

**Contents** <pool-name>—Address-pool name

- all - All logical systems
- logical-system-name - Logical system name

<all>—Display all source NAT pool information

- all - All logical systems
- logical-system-name - Logical system name

<logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

---

## <retrieve-source-nat-summary>

---

### Usage

```
<rpc>
  <retrieve-source-nat-summary>
    <lsys>lsys</lsys>
    <logical-system>logical-system</logical-system>
    <root-logical-system/>
  </retrieve-source-nat-summary>
</rpc>
```

**Description** Show source NAT summary information

**Contents** <logical-system>—Logical-system name

- all - All logical systems
- logical-system-name - Logical system name

<root-logical-system>—Root logical-system (default)

---

## <set-chassis-cluster-disable>

---

### Usage

```
<rpc>
  <set-chassis-cluster-disable>
    <reboot/>
  </set-chassis-cluster-disable>
</rpc>
```

**Description** Disable the chassis cluster

**Contents** <reboot>—Reboot the system after disabling the cluster

## <set-chassis-cluster-enable>

### Usage

```
<rpc>
  <set-chassis-cluster-enable>
    <cluster-id>cluster-id</cluster-id> <!-- mandatory -->
    <node>node</node> <!-- mandatory -->
  </set-chassis-cluster-enable>
</rpc>
```

**Description** Set cluster identifier

**Contents** <cluster-id>—Cluster identifier

<node>—Node identifier

<reboot>—Reboot the system after setting the identifiers

## <set-tgm-media-gateway-controller>

### Usage

```
<rpc>
  <set-tgm-media-gateway-controller>
    <slot>slot</slot> <!-- mandatory -->
    <media-gateway-controller>media-gateway-controller</media-gateway-controller>
  </set-tgm-media-gateway-controller>
</rpc>
```

**Description** Change TGM information for this FPC

**Contents** <slot>—FPC slot number

<media-gateway-controller>—IPv4 address of one or more media gateway controllers

## <show-alg-ike-esp-state>

### Usage

```
<rpc>
  <show-alg-ike-esp-state>
</show-alg-ike-esp-state>
</rpc>
```

**Description** Show all IKE-ESP ALG state information

**Contents**    <show-alg-ike-esp-summary>—Show IKE-ESP ALG summary

---

## <show-alg-ike-esp-summary>

---

### Usage

```
<rpc>
  <show-alg-ike-esp-summary/>
</rpc>
```

**Description**    Show IKE-ESP ALG summary

---

## <show-anti-spam>

---

### Usage

```
<rpc>
  <show-anti-spam>
  </show-anti-spam>
</rpc>
```

**Description**    Show anti-spam information

**Contents**    <show-anti-spam-statistics>—Show anti-spam statistics  
              <show-anti-spam-status>—Show anti-spam status

---

## <show-anti-spam-statistics>

---

### Usage

```
<rpc>
  <show-anti-spam-statistics/>
</rpc>
```

**Description**    Show anti-spam statistics

---

## <show-anti-spam-status>

---

### Usage

```
<rpc>
  <show-anti-spam-status/>
</rpc>
```

**Description**    Show anti-spam status



## <show-anti-virus>

---

**Usage**

```
<rpc>  
  <show-anti-virus>  
  </show-anti-virus>  
</rpc>
```

**Description** Show anti-virus information

**Contents** <show-anti-virus-statistics>—Show anti-virus statistics  
<show-anti-virus-status>—Show anti-virus status

## <show-anti-virus-statistics>

---

**Usage**

```
<rpc>  
  <show-anti-virus-statistics/>  
</rpc>
```

**Description** Show anti-virus statistics

## <show-anti-virus-status>

---

**Usage**

```
<rpc>  
  <show-anti-virus-status>  
  </show-anti-virus-status>  
</rpc>
```

**Description** Show anti-virus status

**Contents** <show-anti-virus-status-detail>—Show anti-virus detailed status

## <show-anti-virus-status-detail>

---

**Usage**

```
<rpc>  
  <show-anti-virus-status-detail/>  
</rpc>
```

**Description** Show anti-virus detailed status

## <show-content-filtering>

---

**Usage**

```
<rpc>
  <show-content-filtering>
  </show-content-filtering>
</rpc>
```

**Description** Show content-filtering information

**Contents** <show-content-filtering-statistics>—Show content-filtering statistics

## <show-content-filtering-statistics>

---

**Usage**

```
<rpc>
  <show-content-filtering-statistics/>
</rpc>
```

**Description** Show content-filtering statistics

## <show-ds-lite-software-one-sc-information>

---

**Usage**

```
<rpc>
  <show-ds-lite-software-one-sc-information>
    <software-name-str>software-name-str</software-name-str> <!-- mandatory -->
  </show-ds-lite-software-one-sc-information>
</rpc>
```

**Description** Show Software Concentrator object

**Contents** <software-name-str>—Software Name

## <show-ds-lite-software-sc-infomation>

---

**Usage**

```
<rpc>
  <show-ds-lite-software-sc-infomation>
  </show-ds-lite-software-sc-infomation>
</rpc>
```

**Description** Show software information

**Contents**    <show-ds-lite-software-one-sc-information>—Show Software Concentrator object

---

### <show-eedebg-capture>

---

**Usage**

```
<rpc>  
  <show-eedebg-capture/>  
</rpc>
```

**Description**    Show datapath debug capture file

---

### <show-utmd-session>

---

**Usage**

```
<rpc>  
  <show-utmd-session/>  
</rpc>
```

**Description**    Show security utm session

---

### <show-utmd-status>

---

**Usage**

```
<rpc>  
  <show-utmd-status/>  
</rpc>
```

**Description**    Show security utm status

---

### <show-web-filtering>

---

**Usage**

```
<rpc>  
  <show-web-filtering>  
  </show-web-filtering>  
</rpc>
```

**Description**    Show web-filtering information

**Contents**    <show-web-filtering-statistics>—Show web-filtering statistics  
              <show-web-filtering-status>—Show web-filtering status

## <show-web-filtering-statistics>

---

**Usage**

```
<rpc>
  <show-web-filtering-statistics/>
</rpc>
```

**Description** Show web-filtering statistics

## <show-web-filtering-status>

---

**Usage**

```
<rpc>
  <show-web-filtering-status/>
</rpc>
```

**Description** Show web-filtering status

## <test-anti-spam-profile>

---

**Usage**

```
<rpc>
  <test-anti-spam-profile>
    <profile>profile</profile>
    <test-string>test-string</test-string>
  </test-anti-spam-profile>
</rpc>
```

**Description** Test anti-spam profile

**Contents** <profile>—Anti-spam profile name

<test-string>—Anti-spam test string

## <test-anti-virus-profile>

---

**Usage**

```
<rpc>
  <test-anti-virus-profile>
    <profile>profile</profile>
    <test-string>test-string</test-string>
  </test-anti-virus-profile>
</rpc>
```

**Description** Test anti-virus profile

**Contents**    <profile>—Anti-virus profile name  
                 <test-string>—Anti-virus test string

## <test-web-filtering-profile>

---

### Usage

```
<rpc>  
  <test-web-filtering-profile>  
    <profile>profile</profile>  
    <test-string>test-string</test-string>  
  </test-web-filtering-profile>  
</rpc>
```

**Description**    Test web-filtering profile

**Contents**    <profile>—Web-filtering profile name  
                 <test-string>—Web-filtering test string



## PART 3

# Summary of Operational Response Tag Elements

- Operational Response Tag Elements Applicable to All Platforms on page 1517
- Operational Response Tag Elements Common to EX Series, M, MX, and T Series, and QFX Series on page 6501
- Operational Response Tag Elements Common to J Series, M, MX, and T Series, and SRX Series on page 6587
- Operational Response Tag Elements Common to EX Series, J Series, QFX Series, and SRX Series on page 7123
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- Operational Response Tag Elements Specific to EX Series and QFX Series on page 7369
- Operational Response Tag Elements Specific to J Series and SRX Series on page 7977





## CHAPTER 10

# Operational Response Tag Elements Applicable to All Platforms

This chapter lists the Extensible Markup Language (XML) tag elements in the Junos XML application programming interface (API) that contain operational information. The Junos XML protocol and NETCONF servers return them in response to requests from client applications.

The tags listed in this chapter are common to devices belonging to the following platforms:

- EX Series
- J Series
- M Series
- MX Series
- T Series
- QFX Series
- SRX Series

The tags are divided into the following sections and listed in alphabetical order within each section.

- [Summary of Captive Portal Content Delivery Tags on page 1520](#)
- [Summary of Ethernet Virtual Circuit Response Tags on page 1529](#)
- [Summary of Accounting Response Tags on page 1532](#)
- [Summary of Adaptive Services Response Tags on page 1573](#)
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- [Summary of Static Subscribers Response Tags on page 6278](#)
- [Summary of Statistics Response Tags on page 6279](#)
- [Summary of Subscriber Management Response Tags on page 6322](#)
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- [Summary of Task Response Tags on page 6472](#)
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- [Summary of Local Policy Decision Function Response Tags on page 6496](#)

## Summary of Captive Portal Content Delivery Tags

---

### <cpcd-pic-information>

#### Usage

```
<cpcd-pic-information>  
  <cpcd-pic-table>....</cpcd-pic-table>  
</cpcd-pic-information>
```

**Description** Cpcd pic name and index

### <cpcd-pic-statistics>

#### Usage

```
<cpcd-pic-statistics>  
  <statistics-header>....</statistics-header>  
  <statistics>....</statistics>  
</cpcd-pic-statistics>
```

**Description** Captive portal and content delivery statistics per PIC

### <cpcd-pic-statistics-cleared>

#### Usage

```
<cpcd-pic-statistics-cleared>  
  <statistics-cleared-header>....</statistics-cleared-header>  
</cpcd-pic-statistics-cleared>
```

**Description** Captive portal and content delivery statistics per PIC cleared

### <cpcd-pic-table>

#### Usage

```
<cpcd-pic-information>  
  <cpcd-pic-table>  
    <cpcd-pic-table-entry>....</cpcd-pic-table-entry>  
  </cpcd-pic-table>  
</cpcd-pic-information>
```

**Description**

### <cpcd-pic-table-entry>

#### Usage

```
<cpcd-pic-information>
```

```
<cpcd-pic-table>
  <cpcd-pic-table-entry>
    <pic-name>
      pic-name
    </pic-name>
    <pic-index>
      pic-index
    </pic-index>
  </cpcd-pic-table-entry>
</cpcd-pic-table>
</cpcd-pic-information>
```

**Description****<cpcd-profile>****Usage**

```
<cpcd-profile>
  <cpcd-profile-table>....</cpcd-profile-table>
</cpcd-profile>
```

**Description** Cpcd profile name and number of rules or rulesets

**<cpcd-profile-table>****Usage**

```
<cpcd-profile>
  <cpcd-profile-table>
    <cpcd-profile-table-entry>....</cpcd-profile-table-entry>
  </cpcd-profile-table>
</cpcd-profile>
```

**Description****<cpcd-profile-table-entry>****Usage**

```
<cpcd-profile>
  <cpcd-profile-table>
    <cpcd-profile-table-entry>
      <profile-name>
        profile-name
      </profile-name>
      <num-rules>
        num-rules
      </num-rules>
    </cpcd-profile-table-entry>
  </cpcd-profile-table>
</cpcd-profile>
```

**Description**

### <cpcd-rule>

#### Usage

```
<cpcd-rule>
  <cpcd-rule-table>....</cpcd-rule-table>
</cpcd-rule>
```

**Description** Cpcd rule name and number of terms

### <cpcd-rule-set-table>

#### Usage

```
<cpcd-ruleset>
  <cpcd-rule-set-table>
    <cpcd-rule-set-table-entry>....</cpcd-rule-set-table-entry>
  </cpcd-rule-set-table>
</cpcd-ruleset>
```

#### Description

### <cpcd-rule-set-table-entry>

#### Usage

```
<cpcd-ruleset>
  <cpcd-rule-set-table>
    <cpcd-rule-set-table-entry>
      <ruleset-name>
        ruleset-name
      </ruleset-name>
      <rule-name>
        rule-name
      </rule-name>
    </cpcd-rule-set-table-entry>
  </cpcd-rule-set-table>
</cpcd-ruleset>
```

#### Description

### <cpcd-rule-table>

#### Usage

```
<cpcd-rule>
  <cpcd-rule-table>
    <cpcd-rule-table-entry>....</cpcd-rule-table-entry>
  </cpcd-rule-table>
</cpcd-rule>
```

#### Description

**<cpcd-rule-table-entry>****Usage**

```

<cpcd-rule>
  <cpcd-rule-table>
    <cpcd-rule-table-entry>
      <rule-name>
        rule-name
      </rule-name>
      <term-name>
        term-name
      </term-name>
    </cpcd-rule-table-entry>
  </cpcd-rule-table>
</cpcd-rule>

```

**Description****<cpcd-rule-term>****Usage**

```

<cpcd-rule-term>
  <cpcd-term-table>....</cpcd-term-table>
</cpcd-rule-term>

```

**Description** Cpcd terms within a rule

**<cpcd-ruleset>****Usage**

```

<cpcd-ruleset>
  <cpcd-rule-set-table>....</cpcd-rule-set-table>
</cpcd-ruleset>

```

**Description** Cpcd rule sets

**<cpcd-service-set-brief>****Usage**

```

<cpcd-service-set-brief>
  <cpcd-sset-brief-table>....</cpcd-sset-brief-table>
</cpcd-service-set-brief>

```

**Description** Service set with cpcd profile name

**<cpcd-service-set-detail>****Usage**

```

<cpcd-service-set-detail>

```

```
<cpcd-sset-detail-table>....</cpcd-sset-detail-table>
</cpcd-service-set-detail>
```

**Description** Service set with cpcd profile name and number of compiled rules

### <cpcd-service-set-summary>

**Usage**

```
<cpcd-service-set-summary>
  <num-sset>
    num-sset
  </num-sset>
</cpcd-service-set-summary>
```

**Description** Service set summary

### <cpcd-sset-brief-table>

**Usage**

```
<cpcd-service-set-brief>
  <cpcd-sset-brief-table>
    <cpcd-sset-brief-table-entry>....</cpcd-sset-brief-table-entry>
  </cpcd-sset-brief-table>
</cpcd-service-set-brief>
```

**Description**

### <cpcd-sset-brief-table-entry>

**Usage**

```
<cpcd-service-set-brief>
  <cpcd-sset-brief-table>
    <cpcd-sset-brief-table-entry>
      <sset-name>
        sset-name
      </sset-name>
      <profile-name>
        profile-name
      </profile-name>
    </cpcd-sset-brief-table-entry>
  </cpcd-sset-brief-table>
</cpcd-service-set-brief>
```

**Description**

### <cpcd-sset-detail-table>

**Usage**

```
<cpcd-service-set-detail>
  <cpcd-sset-detail-table>
    <cpcd-sset-detail-table-entry>....</cpcd-sset-detail-table-entry>
```



```

    </cpcd-sset-detail-table>
  </cpcd-service-set-detail>

```

#### Description

### <cpcd-sset-detail-table-entry>

#### Usage

```

<cpcd-service-set-detail>
  <cpcd-sset-detail-table>
    <cpcd-sset-detail-table-entry>
      <sset-name>
        sset-name
      </sset-name>
      <sset-id>
        sset-id
      </sset-id>
      <profile-name>
        profile-name
      </profile-name>
      <num-compiled-rules>
        num-compiled-rules
      </num-compiled-rules>
    </cpcd-sset-detail-table-entry>
  </cpcd-sset-detail-table>
</cpcd-service-set-detail>

```

#### Description

### <cpcd-term>

#### Usage

```

<cpcd-term>
  <term-header>....</term-header>
  <term-application>....</term-application>
  <term-address-range>....</term-address-range>
  <no-term-found>....</no-term-found>
</cpcd-term>

```

**Description** Cpcd term within a rule

### <cpcd-term-table>

#### Usage

```

<cpcd-rule-term>
  <cpcd-term-table>
    <cpcd-term-table-entry>....</cpcd-term-table-entry>
  </cpcd-term-table>
</cpcd-rule-term>

```

#### Description

### <cpcd-term-table-entry>

#### Usage

```
<cpcd-rule-term>
  <cpcd-term-table>
    <cpcd-term-table-entry>
      <term-name>
        term-name
      </term-name>
      <term-action>
        term-action
      </term-action>
      <term-action-option>
        term-action-option
      </term-action-option>
    </cpcd-term-table-entry>
  </cpcd-term-table>
</cpcd-rule-term>
```

#### Description

### <no-cpcd-statistics>

#### Usage

```
<no-cpcd-statistics>
  <service-set-interface>
    service-set-interface
  </service-set-interface>
</no-cpcd-statistics>
```

#### Description

### <no-term-found>

#### Usage

```
<cpcd-term>
  <no-term-found>
    <rule-name>
      rule-name
    </rule-name>
    <term-name>
      term-name
    </term-name>
  </no-term-found>
</cpcd-term>
```

#### Description

### <statistics>

#### Usage

```
<cpcd-pic-statistics>
```

```

<statistics>
  <packets-received>
    packets-received
  </packets-received>
  <packets-altered>
    packets-altered
  </packets-altered>
</statistics>
</cpcd-pic-statistics>

```

**Description** Statistics

### <statistics-cleared-header>

#### Usage

```

<cpcd-pic-statistics-cleared>
  <statistics-cleared-header>
    <service-set-interface>
      service-set-interface
    </service-set-interface>
  </statistics-cleared-header>
</cpcd-pic-statistics-cleared>

```

**Description**

### <statistics-header>

#### Usage

```

<cpcd-pic-statistics>
  <statistics-header>
    <service-set-interface>
      service-set-interface
    </service-set-interface>
  </statistics-header>
</cpcd-pic-statistics>

```

**Description**

### <term-address-range>

#### Usage

```

<cpcd-term>
  <term-address-range>
    <term-address-range-low>
      term-address-range-low
    </term-address-range-low>
    <term-address-range-high>
      term-address-range-high
    </term-address-range-high>
    <term-address-range-mask>
      term-address-range-mask
    </term-address-range-mask>
  </term-address-range>
</cpcd-term>

```

```
<term-address-range-except>  
  term-address-range-except  
</term-address-range-except>  
</term-address-range>  
</cpcd-term>
```

#### Description

### <term-application>

#### Usage

```
<cpcd-term>  
  <term-application>  
    <term-application-name>  
      term-application-name  
    </term-application-name>  
    <term-application-protocol>  
      term-application-protocol  
    </term-application-protocol>  
    <term-application-ip-protocol>  
      term-application-ip-protocol  
    </term-application-ip-protocol>  
    <term-application-src-ports>  
      term-application-src-ports  
    </term-application-src-ports>  
    <term-application-dst-ports>  
      term-application-dst-ports  
    </term-application-dst-ports>  
  </term-application>  
</cpcd-term>
```

#### Description

### <term-header>

#### Usage

```
<cpcd-term>  
  <term-header>  
    <rule-name-term>  
      rule-name-term  
    </rule-name-term>  
    <rule-match-direction>  
      rule-match-direction  
    </rule-match-direction>  
    <term-name-term>  
      term-name-term  
    </term-name-term>  
    <term-action>  
      term-action  
    </term-action>  
    <term-action-option>  
      term-action-option  
    </term-action-option>  
  </term-header>
```

</cpcd-term>

## Description

## Summary of Ethernet Virtual Circuit Response Tags

### <elmi-evc-entry>

#### Usage

```
<elmi-evc-information>
  <elmi-evc-entry>
    <elmi-evc-id>
      elmi-evc-id
    </elmi-evc-id>
    <elmi-evc-status>
      elmi-evc-status
    </elmi-evc-status>
    <elmi-evc-reference-id>
      elmi-evc-reference-id
    </elmi-evc-reference-id>
    <elmi-evc-type>
      elmi-evc-type
    </elmi-evc-type>
    <elmi-evc-configured-remote-uni-count>
      elmi-evc-configured-remote-uni-count
    </elmi-evc-configured-remote-uni-count>
    <elmi-evc-active-uni-count>
      elmi-evc-active-uni-count
    </elmi-evc-active-uni-count>
    <elmi-evc-protocol>
      elmi-evc-protocol
    </elmi-evc-protocol>
    <elmi-cfm-maintenance-domain>
      elmi-cfm-maintenance-domain
    </elmi-cfm-maintenance-domain>
    <elmi-cfm-maintenance-association>
      elmi-cfm-maintenance-association
    </elmi-cfm-maintenance-association>
    <elmi-vpls-routing-instance>
      elmi-vpls-routing-instance
    </elmi-vpls-routing-instance>
    <elmi-evc-uni>....</elmi-evc-uni>
  </elmi-evc-entry>
</elmi-evc-information>
```

## Description

### <elmi-evc-information>

#### Usage

```
<elmi-evc-information>
  <elmi-evc-entry>....</elmi-evc-entry>
</elmi-evc-information>
```

**Description****<elmi-evc-uni>****Usage**

```
<elmi-evc-information>
  <elmi-evc-entry>
    <elmi-evc-uni>
      <elmi-uni-id>
        elmi-uni-id
      </elmi-uni-id>
      <elmi-interface-name>
        elmi-interface-name
      </elmi-interface-name>
      <elmi-operational-state>
        elmi-operational-state
      </elmi-operational-state>
    </elmi-evc-uni>
  </elmi-evc-entry>
</elmi-evc-information>
```

**Description****<elmi-interface-entry>****Usage**

```
<elmi-interface-information>
  <elmi-interface-entry>
    <elmi-interface-name>
      elmi-interface-name
    </elmi-interface-name>
    <elmi-interface-status>
      elmi-interface-status
    </elmi-interface-status>
    <elmi-uni-id>
      elmi-uni-id
    </elmi-uni-id>
    <elmi-evc-map-type>
      elmi-evc-map-type
    </elmi-evc-map-type>
    <elmi-polling-verification-timer>
      elmi-polling-verification-timer
    </elmi-polling-verification-timer>
    <elmi-operational-state>
      elmi-operational-state
    </elmi-operational-state>
    <elmi-untagged-vlan-id>
      elmi-untagged-vlan-id
    </elmi-untagged-vlan-id>
    <elmi-default-evc>
      elmi-default-evc
    </elmi-default-evc>
    <elmi-uni-evc>....</elmi-uni-evc>
  </elmi-interface-entry>
```

</elmi-interface-information>

#### Description

### <elmi-interface-information>

#### Usage

```
<elmi-interface-information>
  <elmi-interface-entry>....</elmi-interface-entry>
</elmi-interface-information>
```

#### Description

### <elmi-interface-statistics>

#### Usage

```
<elmi-interface-statistics>
  <elmi-interface-statistics-entry>....</elmi-interface-statistics-entry>
</elmi-interface-statistics>
```

#### Description

### <elmi-interface-statistics-entry>

#### Usage

```
<elmi-interface-statistics>
  <elmi-interface-statistics-entry>
    <elmi-interface-name>
      elmi-interface-name
    </elmi-interface-name>
    <elmi-check-messages-sent>
      elmi-check-messages-sent
    </elmi-check-messages-sent>
    <elmi-check-messages-received>
      elmi-check-messages-received
    </elmi-check-messages-received>
    <elmi-full-status-messages-sent>
      elmi-full-status-messages-sent
    </elmi-full-status-messages-sent>
    <elmi-full-status-messages-received>
      elmi-full-status-messages-received
    </elmi-full-status-messages-received>
    <elmi-full-status-continued-messages-sent>
      elmi-full-status-continued-messages-sent
    </elmi-full-status-continued-messages-sent>
    <elmi-full-status-continued-messages-received>
      elmi-full-status-continued-messages-received
    </elmi-full-status-continued-messages-received>
    <elmi-async-evc-status-messages-sent>
      elmi-async-evc-status-messages-sent
    </elmi-async-evc-status-messages-sent>
    <elmi-reliability-errors>
      elmi-reliability-errors
```

```
</elmi-reliability-errors>
<elmi-protocol-errors>
  elmi-protocol-errors
</elmi-protocol-errors>
</elmi-interface-statistics-entry>
</elmi-interface-statistics>
```

#### Description

### <elmi-uni-evc>

#### Usage

```
<elmi-interface-information>
<elmi-interface-entry>
  <elmi-uni-evc>
    <elmi-evc-reference-id>
      elmi-evc-reference-id
    </elmi-evc-reference-id>
    <elmi-evc-id>
      elmi-evc-id
    </elmi-evc-id>
    <elmi-evc-status>
      elmi-evc-status
    </elmi-evc-status>
    <elmi-ce-vlan-ids>
      elmi-ce-vlan-ids
    </elmi-ce-vlan-ids>
  </elmi-uni-evc>
</elmi-interface-entry>
</elmi-interface-information>
```

#### Description

## Summary of Accounting Response Tags

---

### <accounting-profile-columns>

#### Usage

```
<accounting-profile-information>
<accounting-profile-columns>
  <column-label>
    column-label
  </column-label>
</accounting-profile-columns>
</accounting-profile-information>
```

**Description** Name of each Junos XML protocol output tag that is included in records generated based on the profile



**<accounting-profile-filter>****Usage**

```

<accounting-profile-information>
  <accounting-profile-filter>
    <filter-name>
      filter-name
    </filter-name>
    <next-scheduled-collection>
      next-scheduled-collection
    </next-scheduled-collection>
  </accounting-profile-filter>
</accounting-profile-information>

```

**Description** Name of each filter to which the profile is applied

**<accounting-profile-header>****Usage**

```

<accounting-profile-information>
  <accounting-profile-header>
    <profile-name>
      profile-name
    </profile-name>
    <profile-type>
      profile-type
    </profile-type>
    <profile-interval>
      profile-interval
    </profile-interval>
    <profile-use-count>
      profile-use-count
    </profile-use-count>
    <filename>
      filename
    </filename>
    <filesize>
      filesize
    </filesize>
    <filenumber>
      filenumber
    </filenumber>
    <bytes-written>
      bytes-written
    </bytes-written>
    <transfer-interval>
      transfer-interval
    </transfer-interval>
    <next-transfer-time>
      next-transfer-time
    </next-transfer-time>
  </accounting-profile-header>

```

</accounting-profile-information>

**Description** Information from the accounting profile header

### <accounting-profile-information>

#### Usage

```
<accounting-profile-information>
  <accounting-profile-header>....</accounting-profile-header>
  <accounting-profile-columns>....</accounting-profile-columns>
  <accounting-profile-interfaces>....</accounting-profile-interfaces>
  <accounting-profile-mib>....</accounting-profile-mib>
  <accounting-profile-filter>....</accounting-profile-filter>
</accounting-profile-information>
```

**Description** Information about an accounting profile

### <accounting-profile-interfaces>

#### Usage

```
<accounting-profile-information>
  <accounting-profile-interfaces>
    <interface-name>
      interface-name
    </interface-name>
    <next-scheduled-collection>
      next-scheduled-collection
    </next-scheduled-collection>
  </accounting-profile-interfaces>
</accounting-profile-information>
```

**Description** Name of each interface to which the profile is applied

### <accounting-profile-mib>

#### Usage

```
<accounting-profile-information>
  <accounting-profile-mib>
    <mib-name>
      mib-name
    </mib-name>
    <next-scheduled-collection>
      next-scheduled-collection
    </next-scheduled-collection>
  </accounting-profile-mib>
</accounting-profile-information>
```

**Description** Name of each Management Information Base to which the profile is applied

## <accounting-record-information>

### Usage

```

<accounting-record-information>
  <interface-accounting-statistics>....</interface-accounting-statistics>
  <routing-engine-accounting-statistics>....</routing-engine-accounting-statistics>

  <filter-accounting-statistics>....</filter-accounting-statistics>
  <cu-accounting-statistics>....</cu-accounting-statistics>
  <mib-accounting-statistics>....</mib-accounting-statistics>
  <file-accounting-records>....</file-accounting-records>
</accounting-record-information>

```

**Description** Information in a record that was generated based on an accounting profile

## <accounting-server-statistics>

### Usage

```

<accounting-server-statistics>
  <statistics_connection_header>....</statistics_connection_header>
  <statistics_pfe_header>....</statistics_pfe_header>
  <statistics_pfed_header>....</statistics_pfed_header>
  <statistics_libstat_header>....</statistics_libstat_header>
  <statistics_error_header>....</statistics_error_header>
</accounting-server-statistics>

```

### Description

## <cu-accounting-record>

### Usage

```

<accounting-record-information>
  <cu-accounting-statistics>
    <cu-accounting-record>
      <profile-layout>
        profile-layout
      </profile-layout>
      <epoch-timestamp>
        epoch-timestamp
      </epoch-timestamp>
      <utc-timestamp>
        utc-timestamp
      </utc-timestamp>
      <interface-name>
        interface-name
      </interface-name>
      <address-family>
        address-family
      </address-family>
      <destination-class-name>
        destination-class-name
      </destination-class-name>
      <source-class-name>

```

```
    source-class-name
  </source-class-name>
  <counter-name>
    counter-name
  </counter-name>
  <packet-count>
    packet-count
  </packet-count>
  <byte-count>
    byte-count
  </byte-count>
</cu-accounting-record>
</cu-accounting-statistics>
</accounting-record-information>
```

**Description** Information in a record that was generated based on a destination class usage or source class usage profile

### <cu-accounting-statistics>

#### Usage

```
<accounting-record-information>
  <cu-accounting-statistics>
    <cu-accounting-record>....</cu-accounting-record>
  </cu-accounting-statistics>
</accounting-record-information>
```

**Description** Information from one or more records that were generated based on a destination class usage or source class usage profile

### <file-accounting-record>

#### Usage

```
<accounting-record-information>
  <file-accounting-records>
    <file-accounting-record>
      <profile-layout>
        profile-layout
      </profile-layout>
      <epoch-timestamp>
        epoch-timestamp
      </epoch-timestamp>
    </file-accounting-record>
  </file-accounting-records>
</accounting-record-information>
```

**Description** Record from an accounting file

### <file-accounting-records>

#### Usage

```
<accounting-record-information>
  <file-accounting-records>
    <file-accounting-record>....</file-accounting-record>
  </file-accounting-records>
</accounting-record-information>
```

**Description** Records from an accounting file

### <filter-accounting-record>

#### Usage

```
<accounting-record-information>
  <filter-accounting-statistics>
    <filter-accounting-record>
      <profile-layout>
        profile-layout
      </profile-layout>
      <epoch-timestamp>
        epoch-timestamp
      </epoch-timestamp>
      <utc-timestamp>
        utc-timestamp
      </utc-timestamp>
      <interfaces>
        interfaces
      </interfaces>
      <filter-name>
        filter-name
      </filter-name>
      <counter-name>
        counter-name
      </counter-name>
      <packet-count>
        packet-count
      </packet-count>
      <byte-count>
        byte-count
      </byte-count>
    </filter-accounting-record>
  </filter-accounting-statistics>
</accounting-record-information>
```

**Description** Information in a record that was generated based on a filter profile

### <filter-accounting-statistics>

#### Usage

```
<accounting-record-information>
  <filter-accounting-statistics>
```

```
<filter-accounting-record>....</filter-accounting-record>
</filter-accounting-statistics>
</accounting-record-information>
```

**Description** Information from one or more records that were generated based on a filter profile

## <index>

### Usage

```
<snmp-object-information>
  <snmp-object>
    <index>
      <index-name>
        index-name
      </index-name>
      <index-value>
        index-value
      </index-value>
    </index>
  </snmp-object>
</snmp-object-information>
```

### Description

## <interface-accounting-record>

### Usage

```
<accounting-record-information>
  <interface-accounting-statistics>
    <interface-accounting-record>
      <profile-layout>
        profile-layout
      </profile-layout>
      <epoch-timestamp>
        epoch-timestamp
      </epoch-timestamp>
      <utc-timestamp>
        utc-timestamp
      </utc-timestamp>
      <interface-name>
        interface-name
      </interface-name>
      <snmp-index>
        snmp-index
      </snmp-index>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-packets>
        input-packets
      </input-packets>
    </interface-accounting-record>
  </interface-accounting-statistics>
</accounting-record-information>
```

```

</input-packets>
<output-packets>
  output-packets
</output-packets>
<input-unicast>
  input-unicast
</input-unicast>
<output-unicast>
  output-unicast
</output-unicast>
<input-multicast>
  input-multicast
</input-multicast>
<output-multicast>
  output-multicast
</output-multicast>
<input-errors>
  input-errors
</input-errors>
<output-errors>
  output-errors
</output-errors>
<no-proto>
  no-proto
</no-proto>
<rpf-check-bytes>
  rpf-check-bytes
</rpf-check-bytes>
<rpf-check-packets>
  rpf-check-packets
</rpf-check-packets>
<rpf-check6-bytes>
  rpf-check6-bytes
</rpf-check6-bytes>
<rpf-check6-packets>
  rpf-check6-packets
</rpf-check6-packets>
</interface-accounting-record>
</interface-accounting-statistics>
</accounting-record-information>

```

**Description** Information in a record that was generated based on an interface profile

### <interface-accounting-statistics>

#### Usage

```

<accounting-record-information>
  <interface-accounting-statistics>
    <interface-accounting-record>....</interface-accounting-record>
  </interface-accounting-statistics>
</accounting-record-information>

```

**Description** Information from one or more records that were generated based on an interface profile

### <mib-accounting-record>

#### Usage

```
<accounting-record-information>
  <mib-accounting-statistics>
    <mib-accounting-record>
      <profile>
        profile
      </profile>
      <epoch-timestamp>
        epoch-timestamp
      </epoch-timestamp>
      <utc-timestamp>
        utc-timestamp
      </utc-timestamp>
      <name>
        name
      </name>
      <object-value>
        object-value
      </object-value>
    </mib-accounting-record>
  </mib-accounting-statistics>
</accounting-record-information>
```

**Description** Information in a record that was generated based on a Management Information Base profile

### <mib-accounting-statistics>

#### Usage

```
<accounting-record-information>
  <mib-accounting-statistics>
    <mib-accounting-record>....</mib-accounting-record>
  </mib-accounting-statistics>
</accounting-record-information>
```

**Description** Information from one or more records that were generated based on a Management Information Base profile

### <pfe>

#### Usage

```
<pfe-information>
  <pfe>
    <slot-index>
      slot-index
    </slot-index>
    <slot-type>
      slot-type
    </slot-type>
```



```

<slot-state>
  slot-state
</slot-state>
<mgmt-state>
  mgmt-state
</mgmt-state>
<up-time>
  up-time
</up-time>
</pfe>
</pfe-information>

```

## Description

### <pfe-bfd-statistics-detail>

#### Usage

```

<pfe-statistics>
  <pfe-bfd-statistics-detail>
    <bfd-invalid-iif>
      bfd-invalid-iif
    </bfd-invalid-iif>
    <bfd-invalid-iff>
      bfd-invalid-iff
    </bfd-invalid-iff>
    <bfd-bad-checksum>
      bfd-bad-checksum
    </bfd-bad-checksum>
    <bfd-bad-options>
      bfd-bad-options
    </bfd-bad-options>
    <bfd-bad-length>
      bfd-bad-length
    </bfd-bad-length>
    <bfd-bad-udp-checksum>
      bfd-bad-udp-checksum
    </bfd-bad-udp-checksum>
    <bfd-bad-udp-length>
      bfd-bad-udp-length
    </bfd-bad-udp-length>
    <bfd-bad-udp-ports>
      bfd-bad-udp-ports
    </bfd-bad-udp-ports>
    <bfd-no-local-ifl>
      bfd-no-local-ifl
    </bfd-no-local-ifl>
    <bfd-bad-ifl-prefix-length>
      bfd-bad-ifl-prefix-length
    </bfd-bad-ifl-prefix-length>
    <bfd-rx-queue-overflow>
      bfd-rx-queue-overflow
    </bfd-rx-queue-overflow>
    <bfd-out-of-packets>
      bfd-out-of-packets
    </bfd-out-of-packets>
  </pfe-bfd-statistics-detail>
</pfe-statistics>

```

```
<bfd-total-packets>
  bfd-total-packets
</bfd-total-packets>
<bfd-total-absorbed>
  bfd-total-absorbed
</bfd-total-absorbed>
<bfd-transmit-errors>
  bfd-transmit-errors
</bfd-transmit-errors>
</pfe-bfd-statistics-detail>
</pfe-statistics>
```

#### Description

### <pfe-cfm-statistics-detail>

#### Usage

```
<pfe-statistics>
<pfe-cfm-statistics-detail>
  <cfm-packets-received>
    cfm-packets-received
  </cfm-packets-received>
  <cfm-packets-sent-to-re>
    cfm-packets-sent-to-re
  </cfm-packets-sent-to-re>
  <cfm-packets-absorbed>
    cfm-packets-absorbed
  </cfm-packets-absorbed>
  <cfm-packets-received-with-sequence-number>
    cfm-packets-received-with-sequence-number
  </cfm-packets-received-with-sequence-number>
  <cfm-packets-received-invalid-length>
    cfm-packets-received-invalid-length
  </cfm-packets-received-invalid-length>
  <cfm-packets-transmitted>
    cfm-packets-transmitted
  </cfm-packets-transmitted>
  <cfm-packets-transmit-error>
    cfm-packets-transmit-error
  </cfm-packets-transmit-error>
  <cfm-packets-dropped>
    cfm-packets-dropped
  </cfm-packets-dropped>
</pfe-cfm-statistics-detail>
</pfe-statistics>
```

#### Description

### <pfe-chip-statistics>

#### Usage

```
<pfe-statistics>
<pfe-chip-statistics>
  <input-checksum>
```

```

        input-checksum
      </input-checksum>
    <output-mtu>
      output-mtu
    </output-mtu>
  </pfe-chip-statistics>
</pfe-statistics>

```

#### Description

### <pfe-cpu-stats>

#### Usage

```

<pfe-statistics>
  <pfe-cpu-stats>
    <pfe-queue-counters>....</pfe-queue-counters>
  </pfe-cpu-stats>
</pfe-statistics>

```

#### Description

### <pfe-hardware-discard-statistics>

#### Usage

```

<pfe-statistics>
  <pfe-hardware-discard-statistics>
    <timeout-discard>
      timeout-discard
    </timeout-discard>
    <truncated-key-discard>
      truncated-key-discard
    </truncated-key-discard>
    <bits-to-test-discard>
      bits-to-test-discard
    </bits-to-test-discard>
    <data-error-discard>
      data-error-discard
    </data-error-discard>
    <stack-underflow-discard>
      stack-underflow-discard
    </stack-underflow-discard>
    <stack-overflow-discard>
      stack-overflow-discard
    </stack-overflow-discard>
    <bad-route-discard>
      bad-route-discard
    </bad-route-discard>
    <nexthop-discard>
      nexthop-discard
    </nexthop-discard>
    <invalid-iif-discard>
      invalid-iif-discard
    </invalid-iif-discard>
    <info-cell-discard>

```

```
    info-cell-discard
  </info-cell-discard>
  <fabric-discard>
    fabric-discard
  </fabric-discard>
</pfe-hardware-discard-statistics>
</pfe-statistics>
```

#### Description

### <pfe-information>

#### Usage

```
<pfe-information>
<pfe>....</pfe>
</pfe-information>
```

#### Description

### <pfe-lfm-statistics-detail>

#### Usage

```
<pfe-statistics>
  <pfe-lfm-statistics-detail>
    <lfm-packets-received>
      lfm-packets-received
    </lfm-packets-received>
    <lfm-packets-sent-to-re>
      lfm-packets-sent-to-re
    </lfm-packets-sent-to-re>
    <lfm-packets-absorbed>
      lfm-packets-absorbed
    </lfm-packets-absorbed>
    <lfm-packets-transmitted>
      lfm-packets-transmitted
    </lfm-packets-transmitted>
    <lfm-packets-transmit-error>
      lfm-packets-transmit-error
    </lfm-packets-transmit-error>
    <lfm-packets-dropped>
      lfm-packets-dropped
    </lfm-packets-dropped>
  </pfe-lfm-statistics-detail>
</pfe-statistics>
```

#### Description

### <pfe-local-protocol-statistics>

#### Usage

```
<pfe-statistics>
  <pfe-local-protocol-statistics>
    <hdlc-keepalive-count>
```

```

    hdlc-keepalive-count
  </hdlc-keepalive-count>
  <atm-oam-count>
    atm-oam-count
  </atm-oam-count>
  <fr-lmi-count>
    fr-lmi-count
  </fr-lmi-count>
  <ppp-lcp-ncp-count>
    ppp-lcp-ncp-count
  </ppp-lcp-ncp-count>
  <ospf-hello-count>
    ospf-hello-count
  </ospf-hello-count>
  <ospf3-hello-count>
    ospf3-hello-count
  </ospf3-hello-count>
  <rsvp-hello-count>
    rsvp-hello-count
  </rsvp-hello-count>
  <ldp-hello-count>
    ldp-hello-count
  </ldp-hello-count>
  <bfd-count>
    bfd-count
  </bfd-count>
  <isis-iih-count>
    isis-iih-count
  </isis-iih-count>
  <lacp-count>
    lacp-count
  </lacp-count>
  <arp-count>
    arp-count
  </arp-count>
  <ether-oam-count>
    ether-oam-count
  </ether-oam-count>
  <unknown-count>
    unknown-count
  </unknown-count>
</pfe-local-protocol-statistics>
</pfe-statistics>

```

#### Description

<pfe-local-traffic-statistics>

#### Usage

```

<pfe-statistics>
  <pfe-local-traffic-statistics>
    <pfe-input-packets>
      pfe-input-packets
    </pfe-input-packets>
    <pfe-output-packets>

```

```
    pfe-output-packets
  </pfe-output-packets>
  <software-input-control-drops>
    software-input-control-drops
  </software-input-control-drops>
  <software-input-high-drops>
    software-input-high-drops
  </software-input-high-drops>
  <software-input-medium-drops>
    software-input-medium-drops
  </software-input-medium-drops>
  <software-input-low-drops>
    software-input-low-drops
  </software-input-low-drops>
  <software-output-low-drops>
    software-output-low-drops
  </software-output-low-drops>
  <hardware-input-drops>
    hardware-input-drops
  </hardware-input-drops>
</pfe-local-traffic-statistics>
</pfe-statistics>
```

#### Description

### <pfe-multicast-stats>

#### Usage

```
<pfe-statistics>
  <pfe-multicast-stats>
    <pfe-queue-counters>....</pfe-queue-counters>
  </pfe-multicast-stats>
</pfe-statistics>
```

#### Description

### <pfe-queue>

#### Usage

```
<pfe-queue-counters>
  <pfe-queue>
    <number>
      number
    </number>
    <forwarding-class-name>
      forwarding-class-name
    </forwarding-class-name>
    <queued-packets>
      queued-packets
    </queued-packets>
    <queued-packets-na>
      queued-packets-na
    </queued-packets-na>
    <queued-bytes-na>
```

```
    queued-bytes-na
  </queued-bytes-na>
  <queued-bytes>
    queued-bytes
  </queued-bytes>
  <queued-packets-rate>
    queued-packets-rate
  </queued-packets-rate>
  <queued-bytes-rate>
    queued-bytes-rate
  </queued-bytes-rate>
  <trans-packets>
    trans-packets
  </trans-packets>
  <trans-bytes>
    trans-bytes
  </trans-bytes>
  <trans-packets-rate>
    trans-packets-rate
  </trans-packets-rate>
  <trans-bytes-rate>
    trans-bytes-rate
  </trans-bytes-rate>
  <tail-drop-packets>
    tail-drop-packets
  </tail-drop-packets>
  <tail-drop-packets-rate>
    tail-drop-packets-rate
  </tail-drop-packets-rate>
  <tail-drop-packets-na>
    tail-drop-packets-na
  </tail-drop-packets-na>
  <rate-limit-drop-packets>
    rate-limit-drop-packets
  </rate-limit-drop-packets>
  <rate-limit-drop-packets-rate>
    rate-limit-drop-packets-rate
  </rate-limit-drop-packets-rate>
  <rate-limit-drop-packets-na>
    rate-limit-drop-packets-na
  </rate-limit-drop-packets-na>
  <rate-limit-drop-bytes>
    rate-limit-drop-bytes
  </rate-limit-drop-bytes>
  <rate-limit-drop-bytes-rate>
    rate-limit-drop-bytes-rate
  </rate-limit-drop-bytes-rate>
  <rate-limit-drop-bytes-na>
    rate-limit-drop-bytes-na
  </rate-limit-drop-bytes-na>
  <red-packets-na>
    red-packets-na
  </red-packets-na>
  <red-packets>
    red-packets
  </red-packets>
```

```
<red-bytes-na>
  red-bytes-na
</red-bytes-na>
<red-bytes>
  red-bytes
</red-bytes>
<red-packets-rate>
  red-packets-rate
</red-packets-rate>
<red-bytes-rate>
  red-bytes-rate
</red-bytes-rate>
<red-packets-ln>
  red-packets-ln
</red-packets-ln>
<red-bytes-ln>
  red-bytes-ln
</red-bytes-ln>
<red-packets-rate-ln>
  red-packets-rate-ln
</red-packets-rate-ln>
<red-bytes-rate-ln>
  red-bytes-rate-ln
</red-bytes-rate-ln>
<red-packets-lt>
  red-packets-lt
</red-packets-lt>
<red-bytes-lt>
  red-bytes-lt
</red-bytes-lt>
<red-packets-rate-lt>
  red-packets-rate-lt
</red-packets-rate-lt>
<red-bytes-rate-lt>
  red-bytes-rate-lt
</red-bytes-rate-lt>
<red-packets-ht>
  red-packets-ht
</red-packets-ht>
<red-bytes-ht>
  red-bytes-ht
</red-bytes-ht>
<red-packets-rate-ht>
  red-packets-rate-ht
</red-packets-rate-ht>
<red-bytes-rate-ht>
  red-bytes-rate-ht
</red-bytes-rate-ht>
<red-packets-hn>
  red-packets-hn
</red-packets-hn>
<red-bytes-hn>
  red-bytes-hn
</red-bytes-hn>
<red-packets-rate-hn>
  red-packets-rate-hn
```



```
</red-packets-rate-hn>
<red-bytes-rate-hn>
  red-bytes-rate-hn
</red-bytes-rate-hn>
<red-packets-low>
  red-packets-low
</red-packets-low>
<red-bytes-low>
  red-bytes-low
</red-bytes-low>
<red-packets-rate-low>
  red-packets-rate-low
</red-packets-rate-low>
<red-bytes-rate-low>
  red-bytes-rate-low
</red-bytes-rate-low>
<red-packets-medium-low>
  red-packets-medium-low
</red-packets-medium-low>
<red-bytes-medium-low>
  red-bytes-medium-low
</red-bytes-medium-low>
<red-packets-rate-medium-low>
  red-packets-rate-medium-low
</red-packets-rate-medium-low>
<red-bytes-rate-medium-low>
  red-bytes-rate-medium-low
</red-bytes-rate-medium-low>
<red-packets-medium-high>
  red-packets-medium-high
</red-packets-medium-high>
<red-bytes-medium-high>
  red-bytes-medium-high
</red-bytes-medium-high>
<red-packets-rate-medium-high>
  red-packets-rate-medium-high
</red-packets-rate-medium-high>
<red-bytes-rate-medium-high>
  red-bytes-rate-medium-high
</red-bytes-rate-medium-high>
<red-packets-medium>
  red-packets-medium
</red-packets-medium>
<red-bytes-medium>
  red-bytes-medium
</red-bytes-medium>
<red-packets-rate-medium>
  red-packets-rate-medium
</red-packets-rate-medium>
<red-bytes-rate-medium>
  red-bytes-rate-medium
</red-bytes-rate-medium>
<red-packets-high>
  red-packets-high
</red-packets-high>
<red-bytes-high>
```

```
    red-bytes-high
  </red-bytes-high>
  <red-packets-rate-high>
    red-packets-rate-high
  </red-packets-rate-high>
  <red-bytes-rate-high>
    red-bytes-rate-high
  </red-bytes-rate-high>
</pfe-queue>
</pfe-queue-counters>
```

**Description** Counters for a single queue

## <pfe-queue>

### Usage

```
<pfe-statistics>
  <pfe-multicast-stats>
  <pfe-queue-counters>
    <pfe-queue>
      <number>
        number
      </number>
      <forwarding-class-name>
        forwarding-class-name
      </forwarding-class-name>
      <queued-packets>
        queued-packets
      </queued-packets>
      <queued-packets-na>
        queued-packets-na
      </queued-packets-na>
      <queued-bytes-na>
        queued-bytes-na
      </queued-bytes-na>
      <queued-bytes>
        queued-bytes
      </queued-bytes>
      <queued-packets-rate>
        queued-packets-rate
      </queued-packets-rate>
      <queued-bytes-rate>
        queued-bytes-rate
      </queued-bytes-rate>
      <trans-packets>
        trans-packets
      </trans-packets>
      <trans-bytes>
        trans-bytes
      </trans-bytes>
      <trans-packets-rate>
        trans-packets-rate
      </trans-packets-rate>
      <trans-bytes-rate>
```

```
    trans-bytes-rate
  </trans-bytes-rate>
  <tail-drop-packets>
    tail-drop-packets
  </tail-drop-packets>
  <tail-drop-packets-rate>
    tail-drop-packets-rate
  </tail-drop-packets-rate>
  <tail-drop-packets-na>
    tail-drop-packets-na
  </tail-drop-packets-na>
  <rate-limit-drop-packets>
    rate-limit-drop-packets
  </rate-limit-drop-packets>
  <rate-limit-drop-packets-rate>
    rate-limit-drop-packets-rate
  </rate-limit-drop-packets-rate>
  <rate-limit-drop-packets-na>
    rate-limit-drop-packets-na
  </rate-limit-drop-packets-na>
  <rate-limit-drop-bytes>
    rate-limit-drop-bytes
  </rate-limit-drop-bytes>
  <rate-limit-drop-bytes-rate>
    rate-limit-drop-bytes-rate
  </rate-limit-drop-bytes-rate>
  <rate-limit-drop-bytes-na>
    rate-limit-drop-bytes-na
  </rate-limit-drop-bytes-na>
  <red-packets-na>
    red-packets-na
  </red-packets-na>
  <red-packets>
    red-packets
  </red-packets>
  <red-bytes-na>
    red-bytes-na
  </red-bytes-na>
  <red-bytes>
    red-bytes
  </red-bytes>
  <red-packets-rate>
    red-packets-rate
  </red-packets-rate>
  <red-bytes-rate>
    red-bytes-rate
  </red-bytes-rate>
  <red-packets-ln>
    red-packets-ln
  </red-packets-ln>
  <red-bytes-ln>
    red-bytes-ln
  </red-bytes-ln>
  <red-packets-rate-ln>
    red-packets-rate-ln
  </red-packets-rate-ln>
```

```
<red-bytes-rate-ln>
  red-bytes-rate-ln
</red-bytes-rate-ln>
<red-packets-lt>
  red-packets-lt
</red-packets-lt>
<red-bytes-lt>
  red-bytes-lt
</red-bytes-lt>
<red-packets-rate-lt>
  red-packets-rate-lt
</red-packets-rate-lt>
<red-bytes-rate-lt>
  red-bytes-rate-lt
</red-bytes-rate-lt>
<red-packets-ht>
  red-packets-ht
</red-packets-ht>
<red-bytes-ht>
  red-bytes-ht
</red-bytes-ht>
<red-packets-rate-ht>
  red-packets-rate-ht
</red-packets-rate-ht>
<red-bytes-rate-ht>
  red-bytes-rate-ht
</red-bytes-rate-ht>
<red-packets-hn>
  red-packets-hn
</red-packets-hn>
<red-bytes-hn>
  red-bytes-hn
</red-bytes-hn>
<red-packets-rate-hn>
  red-packets-rate-hn
</red-packets-rate-hn>
<red-bytes-rate-hn>
  red-bytes-rate-hn
</red-bytes-rate-hn>
<red-packets-low>
  red-packets-low
</red-packets-low>
<red-bytes-low>
  red-bytes-low
</red-bytes-low>
<red-packets-rate-low>
  red-packets-rate-low
</red-packets-rate-low>
<red-bytes-rate-low>
  red-bytes-rate-low
</red-bytes-rate-low>
<red-packets-medium-low>
  red-packets-medium-low
</red-packets-medium-low>
<red-bytes-medium-low>
  red-bytes-medium-low
```

```

</red-bytes-medium-low>
<red-packets-rate-medium-low>
  red-packets-rate-medium-low
</red-packets-rate-medium-low>
<red-bytes-rate-medium-low>
  red-bytes-rate-medium-low
</red-bytes-rate-medium-low>
<red-packets-medium-high>
  red-packets-medium-high
</red-packets-medium-high>
<red-bytes-medium-high>
  red-bytes-medium-high
</red-bytes-medium-high>
<red-packets-rate-medium-high>
  red-packets-rate-medium-high
</red-packets-rate-medium-high>
<red-bytes-rate-medium-high>
  red-bytes-rate-medium-high
</red-bytes-rate-medium-high>
<red-packets-medium>
  red-packets-medium
</red-packets-medium>
<red-bytes-medium>
  red-bytes-medium
</red-bytes-medium>
<red-packets-rate-medium>
  red-packets-rate-medium
</red-packets-rate-medium>
<red-bytes-rate-medium>
  red-bytes-rate-medium
</red-bytes-rate-medium>
<red-packets-high>
  red-packets-high
</red-packets-high>
<red-bytes-high>
  red-bytes-high
</red-bytes-high>
<red-packets-rate-high>
  red-packets-rate-high
</red-packets-rate-high>
<red-bytes-rate-high>
  red-bytes-rate-high
</red-bytes-rate-high>
</pfe-queue>
</pfe-queue-counters>
</pfe-multicast-stats>
</pfe-statistics>

```

**Description** Counters for a single queue

## <pfe-queue>

### Usage

```
<pfe-statistics>
```

```
<pfe-cpu-stats>
  <pfe-queue-counters>
    <pfe-queue>
      <number>
        number
      </number>
      <forwarding-class-name>
        forwarding-class-name
      </forwarding-class-name>
      <queued-packets>
        queued-packets
      </queued-packets>
      <queued-packets-na>
        queued-packets-na
      </queued-packets-na>
      <queued-bytes-na>
        queued-bytes-na
      </queued-bytes-na>
      <queued-bytes>
        queued-bytes
      </queued-bytes>
      <queued-packets-rate>
        queued-packets-rate
      </queued-packets-rate>
      <queued-bytes-rate>
        queued-bytes-rate
      </queued-bytes-rate>
      <trans-packets>
        trans-packets
      </trans-packets>
      <trans-bytes>
        trans-bytes
      </trans-bytes>
      <trans-packets-rate>
        trans-packets-rate
      </trans-packets-rate>
      <trans-bytes-rate>
        trans-bytes-rate
      </trans-bytes-rate>
      <tail-drop-packets>
        tail-drop-packets
      </tail-drop-packets>
      <tail-drop-packets-rate>
        tail-drop-packets-rate
      </tail-drop-packets-rate>
      <tail-drop-packets-na>
        tail-drop-packets-na
      </tail-drop-packets-na>
      <rate-limit-drop-packets>
        rate-limit-drop-packets
      </rate-limit-drop-packets>
      <rate-limit-drop-packets-rate>
        rate-limit-drop-packets-rate
      </rate-limit-drop-packets-rate>
      <rate-limit-drop-packets-na>
        rate-limit-drop-packets-na
```

```
</rate-limit-drop-packets-na>
<rate-limit-drop-bytes>
  rate-limit-drop-bytes
</rate-limit-drop-bytes>
<rate-limit-drop-bytes-rate>
  rate-limit-drop-bytes-rate
</rate-limit-drop-bytes-rate>
<rate-limit-drop-bytes-na>
  rate-limit-drop-bytes-na
</rate-limit-drop-bytes-na>
<red-packets-na>
  red-packets-na
</red-packets-na>
<red-packets>
  red-packets
</red-packets>
<red-bytes-na>
  red-bytes-na
</red-bytes-na>
<red-bytes>
  red-bytes
</red-bytes>
<red-packets-rate>
  red-packets-rate
</red-packets-rate>
<red-bytes-rate>
  red-bytes-rate
</red-bytes-rate>
<red-packets-ln>
  red-packets-ln
</red-packets-ln>
<red-bytes-ln>
  red-bytes-ln
</red-bytes-ln>
<red-packets-rate-ln>
  red-packets-rate-ln
</red-packets-rate-ln>
<red-bytes-rate-ln>
  red-bytes-rate-ln
</red-bytes-rate-ln>
<red-packets-lt>
  red-packets-lt
</red-packets-lt>
<red-bytes-lt>
  red-bytes-lt
</red-bytes-lt>
<red-packets-rate-lt>
  red-packets-rate-lt
</red-packets-rate-lt>
<red-bytes-rate-lt>
  red-bytes-rate-lt
</red-bytes-rate-lt>
<red-packets-ht>
  red-packets-ht
</red-packets-ht>
<red-bytes-ht>
```

```
    red-bytes-ht
  </red-bytes-ht>
  <red-packets-rate-ht>
    red-packets-rate-ht
  </red-packets-rate-ht>
  <red-bytes-rate-ht>
    red-bytes-rate-ht
  </red-bytes-rate-ht>
  <red-packets-hn>
    red-packets-hn
  </red-packets-hn>
  <red-bytes-hn>
    red-bytes-hn
  </red-bytes-hn>
  <red-packets-rate-hn>
    red-packets-rate-hn
  </red-packets-rate-hn>
  <red-bytes-rate-hn>
    red-bytes-rate-hn
  </red-bytes-rate-hn>
  <red-packets-low>
    red-packets-low
  </red-packets-low>
  <red-bytes-low>
    red-bytes-low
  </red-bytes-low>
  <red-packets-rate-low>
    red-packets-rate-low
  </red-packets-rate-low>
  <red-bytes-rate-low>
    red-bytes-rate-low
  </red-bytes-rate-low>
  <red-packets-medium-low>
    red-packets-medium-low
  </red-packets-medium-low>
  <red-bytes-medium-low>
    red-bytes-medium-low
  </red-bytes-medium-low>
  <red-packets-rate-medium-low>
    red-packets-rate-medium-low
  </red-packets-rate-medium-low>
  <red-bytes-rate-medium-low>
    red-bytes-rate-medium-low
  </red-bytes-rate-medium-low>
  <red-packets-medium-high>
    red-packets-medium-high
  </red-packets-medium-high>
  <red-bytes-medium-high>
    red-bytes-medium-high
  </red-bytes-medium-high>
  <red-packets-rate-medium-high>
    red-packets-rate-medium-high
  </red-packets-rate-medium-high>
  <red-bytes-rate-medium-high>
    red-bytes-rate-medium-high
  </red-bytes-rate-medium-high>
```



```

<red-packets-medium>
  red-packets-medium
</red-packets-medium>
<red-bytes-medium>
  red-bytes-medium
</red-bytes-medium>
<red-packets-rate-medium>
  red-packets-rate-medium
</red-packets-rate-medium>
<red-bytes-rate-medium>
  red-bytes-rate-medium
</red-bytes-rate-medium>
<red-packets-high>
  red-packets-high
</red-packets-high>
<red-bytes-high>
  red-bytes-high
</red-bytes-high>
<red-packets-rate-high>
  red-packets-rate-high
</red-packets-rate-high>
<red-bytes-rate-high>
  red-bytes-rate-high
</red-bytes-rate-high>
</pfe-queue>
</pfe-queue-counters>
</pfe-cpu-stats>
</pfe-statistics>

```

**Description** Counters for a single queue

## <pfe-queue>

### Usage

```

<pfe-statistics>
<pfe-tail-drop-statistics>
<pfe-queue-counters>
  <pfe-queue>
    <number>
      number
    </number>
    <forwarding-class-name>
      forwarding-class-name
    </forwarding-class-name>
    <queued-packets>
      queued-packets
    </queued-packets>
    <queued-packets-na>
      queued-packets-na
    </queued-packets-na>
    <queued-bytes-na>
      queued-bytes-na
    </queued-bytes-na>
    <queued-bytes>

```

```
    queued-bytes
  </queued-bytes>
  <queued-packets-rate>
    queued-packets-rate
  </queued-packets-rate>
  <queued-bytes-rate>
    queued-bytes-rate
  </queued-bytes-rate>
  <trans-packets>
    trans-packets
  </trans-packets>
  <trans-bytes>
    trans-bytes
  </trans-bytes>
  <trans-packets-rate>
    trans-packets-rate
  </trans-packets-rate>
  <trans-bytes-rate>
    trans-bytes-rate
  </trans-bytes-rate>
  <tail-drop-packets>
    tail-drop-packets
  </tail-drop-packets>
  <tail-drop-packets-rate>
    tail-drop-packets-rate
  </tail-drop-packets-rate>
  <tail-drop-packets-na>
    tail-drop-packets-na
  </tail-drop-packets-na>
  <rate-limit-drop-packets>
    rate-limit-drop-packets
  </rate-limit-drop-packets>
  <rate-limit-drop-packets-rate>
    rate-limit-drop-packets-rate
  </rate-limit-drop-packets-rate>
  <rate-limit-drop-packets-na>
    rate-limit-drop-packets-na
  </rate-limit-drop-packets-na>
  <rate-limit-drop-bytes>
    rate-limit-drop-bytes
  </rate-limit-drop-bytes>
  <rate-limit-drop-bytes-rate>
    rate-limit-drop-bytes-rate
  </rate-limit-drop-bytes-rate>
  <rate-limit-drop-bytes-na>
    rate-limit-drop-bytes-na
  </rate-limit-drop-bytes-na>
  <red-packets-na>
    red-packets-na
  </red-packets-na>
  <red-packets>
    red-packets
  </red-packets>
  <red-bytes-na>
    red-bytes-na
  </red-bytes-na>
```

```
<red-bytes>
  red-bytes
</red-bytes>
<red-packets-rate>
  red-packets-rate
</red-packets-rate>
<red-bytes-rate>
  red-bytes-rate
</red-bytes-rate>
<red-packets-ln>
  red-packets-ln
</red-packets-ln>
<red-bytes-ln>
  red-bytes-ln
</red-bytes-ln>
<red-packets-rate-ln>
  red-packets-rate-ln
</red-packets-rate-ln>
<red-bytes-rate-ln>
  red-bytes-rate-ln
</red-bytes-rate-ln>
<red-packets-lt>
  red-packets-lt
</red-packets-lt>
<red-bytes-lt>
  red-bytes-lt
</red-bytes-lt>
<red-packets-rate-lt>
  red-packets-rate-lt
</red-packets-rate-lt>
<red-bytes-rate-lt>
  red-bytes-rate-lt
</red-bytes-rate-lt>
<red-packets-ht>
  red-packets-ht
</red-packets-ht>
<red-bytes-ht>
  red-bytes-ht
</red-bytes-ht>
<red-packets-rate-ht>
  red-packets-rate-ht
</red-packets-rate-ht>
<red-bytes-rate-ht>
  red-bytes-rate-ht
</red-bytes-rate-ht>
<red-packets-hn>
  red-packets-hn
</red-packets-hn>
<red-bytes-hn>
  red-bytes-hn
</red-bytes-hn>
<red-packets-rate-hn>
  red-packets-rate-hn
</red-packets-rate-hn>
<red-bytes-rate-hn>
  red-bytes-rate-hn
```

```
</red-bytes-rate-hn>
<red-packets-low>
  red-packets-low
</red-packets-low>
<red-bytes-low>
  red-bytes-low
</red-bytes-low>
<red-packets-rate-low>
  red-packets-rate-low
</red-packets-rate-low>
<red-bytes-rate-low>
  red-bytes-rate-low
</red-bytes-rate-low>
<red-packets-medium-low>
  red-packets-medium-low
</red-packets-medium-low>
<red-bytes-medium-low>
  red-bytes-medium-low
</red-bytes-medium-low>
<red-packets-rate-medium-low>
  red-packets-rate-medium-low
</red-packets-rate-medium-low>
<red-bytes-rate-medium-low>
  red-bytes-rate-medium-low
</red-bytes-rate-medium-low>
<red-packets-medium-high>
  red-packets-medium-high
</red-packets-medium-high>
<red-bytes-medium-high>
  red-bytes-medium-high
</red-bytes-medium-high>
<red-packets-rate-medium-high>
  red-packets-rate-medium-high
</red-packets-rate-medium-high>
<red-bytes-rate-medium-high>
  red-bytes-rate-medium-high
</red-bytes-rate-medium-high>
<red-packets-medium>
  red-packets-medium
</red-packets-medium>
<red-bytes-medium>
  red-bytes-medium
</red-bytes-medium>
<red-packets-rate-medium>
  red-packets-rate-medium
</red-packets-rate-medium>
<red-bytes-rate-medium>
  red-bytes-rate-medium
</red-bytes-rate-medium>
<red-packets-high>
  red-packets-high
</red-packets-high>
<red-bytes-high>
  red-bytes-high
</red-bytes-high>
<red-packets-rate-high>
```

```

        red-packets-rate-high
      </red-packets-rate-high>
      <red-bytes-rate-high>
        red-bytes-rate-high
      </red-bytes-rate-high>
    </pfe-queue>
  </pfe-queue-counters>
</pfe-tail-drop-statistics>
</pfe-statistics>

```

**Description** Counters for a single queue

## <pfe-queue>

### Usage

```

<pfe-statistics>
  <pfe-total-tail-drop>
  <pfe-queue-counters>
    <pfe-queue>
      <number>
        number
      </number>
      <forwarding-class-name>
        forwarding-class-name
      </forwarding-class-name>
      <queued-packets>
        queued-packets
      </queued-packets>
      <queued-packets-na>
        queued-packets-na
      </queued-packets-na>
      <queued-bytes-na>
        queued-bytes-na
      </queued-bytes-na>
      <queued-bytes>
        queued-bytes
      </queued-bytes>
      <queued-packets-rate>
        queued-packets-rate
      </queued-packets-rate>
      <queued-bytes-rate>
        queued-bytes-rate
      </queued-bytes-rate>
      <trans-packets>
        trans-packets
      </trans-packets>
      <trans-bytes>
        trans-bytes
      </trans-bytes>
      <trans-packets-rate>
        trans-packets-rate
      </trans-packets-rate>
      <trans-bytes-rate>
        trans-bytes-rate

```

```
</trans-bytes-rate>
<tail-drop-packets>
  tail-drop-packets
</tail-drop-packets>
<tail-drop-packets-rate>
  tail-drop-packets-rate
</tail-drop-packets-rate>
<tail-drop-packets-na>
  tail-drop-packets-na
</tail-drop-packets-na>
<rate-limit-drop-packets>
  rate-limit-drop-packets
</rate-limit-drop-packets>
<rate-limit-drop-packets-rate>
  rate-limit-drop-packets-rate
</rate-limit-drop-packets-rate>
<rate-limit-drop-packets-na>
  rate-limit-drop-packets-na
</rate-limit-drop-packets-na>
<rate-limit-drop-bytes>
  rate-limit-drop-bytes
</rate-limit-drop-bytes>
<rate-limit-drop-bytes-rate>
  rate-limit-drop-bytes-rate
</rate-limit-drop-bytes-rate>
<rate-limit-drop-bytes-na>
  rate-limit-drop-bytes-na
</rate-limit-drop-bytes-na>
<red-packets-na>
  red-packets-na
</red-packets-na>
<red-packets>
  red-packets
</red-packets>
<red-bytes-na>
  red-bytes-na
</red-bytes-na>
<red-bytes>
  red-bytes
</red-bytes>
<red-packets-rate>
  red-packets-rate
</red-packets-rate>
<red-bytes-rate>
  red-bytes-rate
</red-bytes-rate>
<red-packets-ln>
  red-packets-ln
</red-packets-ln>
<red-bytes-ln>
  red-bytes-ln
</red-bytes-ln>
<red-packets-rate-ln>
  red-packets-rate-ln
</red-packets-rate-ln>
<red-bytes-rate-ln>
```

```
    red-bytes-rate-ln
  </red-bytes-rate-ln>
  <red-packets-lt>
    red-packets-lt
  </red-packets-lt>
  <red-bytes-lt>
    red-bytes-lt
  </red-bytes-lt>
  <red-packets-rate-lt>
    red-packets-rate-lt
  </red-packets-rate-lt>
  <red-bytes-rate-lt>
    red-bytes-rate-lt
  </red-bytes-rate-lt>
  <red-packets-ht>
    red-packets-ht
  </red-packets-ht>
  <red-bytes-ht>
    red-bytes-ht
  </red-bytes-ht>
  <red-packets-rate-ht>
    red-packets-rate-ht
  </red-packets-rate-ht>
  <red-bytes-rate-ht>
    red-bytes-rate-ht
  </red-bytes-rate-ht>
  <red-packets-hn>
    red-packets-hn
  </red-packets-hn>
  <red-bytes-hn>
    red-bytes-hn
  </red-bytes-hn>
  <red-packets-rate-hn>
    red-packets-rate-hn
  </red-packets-rate-hn>
  <red-bytes-rate-hn>
    red-bytes-rate-hn
  </red-bytes-rate-hn>
  <red-packets-low>
    red-packets-low
  </red-packets-low>
  <red-bytes-low>
    red-bytes-low
  </red-bytes-low>
  <red-packets-rate-low>
    red-packets-rate-low
  </red-packets-rate-low>
  <red-bytes-rate-low>
    red-bytes-rate-low
  </red-bytes-rate-low>
  <red-packets-medium-low>
    red-packets-medium-low
  </red-packets-medium-low>
  <red-bytes-medium-low>
    red-bytes-medium-low
  </red-bytes-medium-low>
```

```
<red-packets-rate-medium-low>
  red-packets-rate-medium-low
</red-packets-rate-medium-low>
<red-bytes-rate-medium-low>
  red-bytes-rate-medium-low
</red-bytes-rate-medium-low>
<red-packets-medium-high>
  red-packets-medium-high
</red-packets-medium-high>
<red-bytes-medium-high>
  red-bytes-medium-high
</red-bytes-medium-high>
<red-packets-rate-medium-high>
  red-packets-rate-medium-high
</red-packets-rate-medium-high>
<red-bytes-rate-medium-high>
  red-bytes-rate-medium-high
</red-bytes-rate-medium-high>
<red-packets-medium>
  red-packets-medium
</red-packets-medium>
<red-bytes-medium>
  red-bytes-medium
</red-bytes-medium>
<red-packets-rate-medium>
  red-packets-rate-medium
</red-packets-rate-medium>
<red-bytes-rate-medium>
  red-bytes-rate-medium
</red-bytes-rate-medium>
<red-packets-high>
  red-packets-high
</red-packets-high>
<red-bytes-high>
  red-bytes-high
</red-bytes-high>
<red-packets-rate-high>
  red-packets-rate-high
</red-packets-rate-high>
<red-bytes-rate-high>
  red-bytes-rate-high
</red-bytes-rate-high>
</pfe-queue>
</pfe-queue-counters>
</pfe-total-tail-drop>
</pfe-statistics>
```

**Description** Counters for a single queue

## <pfe-queue-counters>

### Usage

```
<pfe-queue-counters>
<pfe-queue>....</pfe-queue>
```



</pfe-queue-counters>

**Description** Queue counter statistics

<pfe-queue-counters>

**Usage**

```
<pfe-statistics>
  <pfe-multicast-stats>
    <pfe-queue-counters>
      <pfe-queue>.....</pfe-queue>
    </pfe-queue-counters>
  </pfe-multicast-stats>
</pfe-statistics>
```

**Description** Queue counter statistics

<pfe-queue-counters>

**Usage**

```
<pfe-statistics>
  <pfe-cpu-stats>
    <pfe-queue-counters>
      <pfe-queue>.....</pfe-queue>
    </pfe-queue-counters>
  </pfe-cpu-stats>
</pfe-statistics>
```

**Description** Queue counter statistics

<pfe-queue-counters>

**Usage**

```
<pfe-statistics>
  <pfe-tail-drop-statistics>
    <pfe-queue-counters>
      <pfe-queue>.....</pfe-queue>
    </pfe-queue-counters>
  </pfe-tail-drop-statistics>
</pfe-statistics>
```

**Description** Queue counter statistics

<pfe-queue-counters>

**Usage**

```
<pfe-statistics>
  <pfe-total-tail-drop>
    <pfe-queue-counters>
```

```
<pfe-queue>....</pfe-queue>
</pfe-queue-counters>
</pfe-total-tail-drop>
</pfe-statistics>
```

**Description** Queue counter statistics

## <pfe-resource>

### Usage

```
<pfe-resource>
  <pfe-resource-usage>....</pfe-resource-usage>
</pfe-resource>
```

### Description

## <pfe-resource-general-information>

### Usage

```
<pfe-resource>
  <pfe-resource-usage>
    <pfe-resource-general-information>
      <pfe-description>
        pfe-description
      </pfe-description>
      <pfe-instance>
        pfe-instance
      </pfe-instance>
      <pfe-forwarding-module-name>
        pfe-forwarding-module-name
      </pfe-forwarding-module-name>
      <pfe-forwarding-module-instance>
        pfe-forwarding-module-instance
      </pfe-forwarding-module-instance>
      <pfe-resource-usage-details>....</pfe-resource-usage-details>
    </pfe-resource-general-information>
  </pfe-resource-usage>
</pfe-resource>
```

### Description

## <pfe-resource-usage>

### Usage

```
<pfe-resource>
  <pfe-resource-usage>
    <pfe-fpc-instance>
      pfe-fpc-instance
    </pfe-fpc-instance>
    <pfe-resource-usage-legend>
      pfe-resource-usage-legend
    </pfe-resource-usage-legend>
```

```

    <pfe-resource-general-information>....</pfe-resource-general-information>
  </pfe-resource-usage>
</pfe-resource>

```

## Description

### <pfe-resource-usage-details>

#### Usage

```

<pfe-resource>
  <pfe-resource-usage>
    <pfe-resource-general-information>
      <pfe-resource-usage-details>
        <pfe-resource-total>
          pfe-resource-total
        </pfe-resource-total>
        <pfe-resource-units>
          pfe-resource-units
        </pfe-resource-units>
        <pfe-resource-free>
          pfe-resource-free
        </pfe-resource-free>
        <pfe-resource-inuse>
          pfe-resource-inuse
        </pfe-resource-inuse>
        <pfe-resource-name>
          pfe-resource-name
        </pfe-resource-name>
        <pfe-resource-inuse-percent>
          pfe-resource-inuse-percent
        </pfe-resource-inuse-percent>
        <pfe-resource-highlight>
          pfe-resource-highlight
        </pfe-resource-highlight>
      </pfe-resource-usage-details>
    </pfe-resource-general-information>
  </pfe-resource-usage>
</pfe-resource>

```

## Description

### <pfe-statistics>

#### Usage

```

<pfe-statistics>
  <pfe-multicast-stats>....</pfe-multicast-stats>
  <pfe-cpu-stats>....</pfe-cpu-stats>
  <pfe-tail-drop-statistics>....</pfe-tail-drop-statistics>
  <pfe-total-tail-drop>....</pfe-total-tail-drop>
  <pfe-traffic-statistics>....</pfe-traffic-statistics>
  <pfe-local-traffic-statistics>....</pfe-local-traffic-statistics>
  <pfe-local-protocol-statistics>....</pfe-local-protocol-statistics>
  <pfe-bfd-statistics-detail>....</pfe-bfd-statistics-detail>
  <pfe-cfm-statistics-detail>....</pfe-cfm-statistics-detail>

```

```
<pfe-lfm-statistics-detail>....</pfe-lfm-statistics-detail>
<pfe-vrrp-statistics-detail>....</pfe-vrrp-statistics-detail>
<pfe-hardware-discard-statistics>....</pfe-hardware-discard-statistics>
<pfe-chip-statistics>....</pfe-chip-statistics>
</pfe-statistics>
```

#### Description

### <pfe-tail-drop-statistics>

#### Usage

```
<pfe-statistics>
  <pfe-tail-drop-statistics>
    <pfe-queue-counters>....</pfe-queue-counters>
  </pfe-tail-drop-statistics>
</pfe-statistics>
```

#### Description

### <pfe-total-tail-drop>

#### Usage

```
<pfe-statistics>
  <pfe-total-tail-drop>
    <pfe-queue-counters>....</pfe-queue-counters>
  </pfe-total-tail-drop>
</pfe-statistics>
```

#### Description

### <pfe-traffic-statistics>

#### Usage

```
<pfe-statistics>
  <pfe-traffic-statistics>
    <pfe-input-packets>
      pfe-input-packets
    </pfe-input-packets>
    <pfe-output-packets>
      pfe-output-packets
    </pfe-output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
  </pfe-traffic-statistics>
</pfe-statistics>
```

#### Description

## <pfe-vrrp-statistics-detail>

### Usage

```

<pfe-statistics>
  <pfe-vrrp-statistics-detail>
    <vrrp-packets-received>
      vrrp-packets-received
    </vrrp-packets-received>
    <vrrp-packets-sent-to-re>
      vrrp-packets-sent-to-re
    </vrrp-packets-sent-to-re>
    <vrrp-packets-absorbed>
      vrrp-packets-absorbed
    </vrrp-packets-absorbed>
    <vrrp-packets-transmitted>
      vrrp-packets-transmitted
    </vrrp-packets-transmitted>
    <vrrp-packets-transmit-error>
      vrrp-packets-transmit-error
    </vrrp-packets-transmit-error>
    <vrrp-packets-dropped>
      vrrp-packets-dropped
    </vrrp-packets-dropped>
  </pfe-vrrp-statistics-detail>
</pfe-statistics>

```

### Description

## <routing-engine-accounting-record>

### Usage

```

<accounting-record-information>
  <routing-engine-accounting-statistics>
    <routing-engine-accounting-record>
      <profile-layout>
        profile-layout
      </profile-layout>
      <epoch-timestamp>
        epoch-timestamp
      </epoch-timestamp>
      <utc-timestamp>
        utc-timestamp
      </utc-timestamp>
      <hostname>
        hostname
      </hostname>
      <date-yyyyymmdd>
        date-yyyyymmdd
      </date-yyyyymmdd>
      <timeofday-hhmmss>
        timeofday-hhmmss
      </timeofday-hhmmss>
      <uptime>
        uptime
      </uptime>
    </routing-engine-accounting-record>
  </routing-engine-accounting-statistics>
</accounting-record-information>

```

```
</uptime>
<cpu1min>
  cpu1min
</cpu1min>
<cpu5min>
  cpu5min
</cpu5min>
<cpu15min>
  cpu15min
</cpu15min>
<memory-usage>
  memory-usage
</memory-usage>
<total-cpu-usage>
  total-cpu-usage
</total-cpu-usage>
</routing-engine-accounting-record>
</routing-engine-accounting-statistics>
</accounting-record-information>
```

**Description** Information in a record that was generated based on a Routing Engine profile

### <routing-engine-accounting-statistics>

#### Usage

```
<accounting-record-information>
  <routing-engine-accounting-statistics>
    <routing-engine-accounting-record>....</routing-engine-accounting-record>
  </routing-engine-accounting-statistics>
</accounting-record-information>
```

**Description** Information from one or more records that were generated based on a Routing Engine profile

### <snmp-object>

#### Usage

```
<snmp-object-information>
  <snmp-object>
    <name>
      name
    </name>
    <index>....</index>
    <oid>
      oid
    </oid>
    <object-value>
      object-value
    </object-value>
    <object-value-type>
      object-value-type
    </object-value-type>
```

```

    <error>
      error
    </error>
  </snmp-object>
</snmp-object-information>

```

#### Description

### <snmp-object-information>

#### Usage

```

<snmp-object-information>
  <snmp-object>....</snmp-object>
  <snmp-request-error>....</snmp-request-error>
</snmp-object-information>

```

#### Description

### <snmp-request-error>

#### Usage

```

<snmp-object-information>
  <snmp-request-error>
    <snmp-req-error-value>
      snmp-req-error-value
    </snmp-req-error-value>
  </snmp-request-error>
</snmp-object-information>

```

#### Description

### <statistics\_connection\_header>

#### Usage

```

<accounting-server-statistics>
  <statistics_connection_header>
    <conn-name>
      conn-name
    </conn-name>
    <conn-id>
      conn-id
    </conn-id>
  </statistics_connection_header>
</accounting-server-statistics>

```

#### Description

### <statistics\_error\_header>

#### Usage

```

<accounting-server-statistics>
  <statistics_error_header>

```

```
<statistics-error-string>
  statistics-error-string
</statistics-error-string>
</statistics_error_header>
</accounting-server-statistics>
```

#### Description

### <statistics\_libstat\_header>

#### Usage

```
<accounting-server-statistics>
  <statistics_libstat_header>
    <libstat-counter-names>
      libstat-counter-names
    </libstat-counter-names>
    <to-libstat>
      to-libstat
    </to-libstat>
    <from-libstat>
      from-libstat
    </from-libstat>
  </statistics_libstat_header>
</accounting-server-statistics>
```

#### Description

### <statistics\_pfe\_header>

#### Usage

```
<accounting-server-statistics>
  <statistics_pfe_header>
    <pfe-counter-names>
      pfe-counter-names
    </pfe-counter-names>
    <stats-to-pfe>
      stats-to-pfe
    </stats-to-pfe>
    <stats-from-pfe>
      stats-from-pfe
    </stats-from-pfe>
    <timeout-count>
      timeout-count
    </timeout-count>
  </statistics_pfe_header>
</accounting-server-statistics>
```

#### Description

### <statistics\_pfed\_header>

#### Usage

```
<accounting-server-statistics>
```



```

<statistics_pfed_header>
  <pfed-counter-names>
    pfed-counter-names
  </pfed-counter-names>
  <stats-to-pfed>
    stats-to-pfed
  </stats-to-pfed>
</statistics_pfed_header>
</accounting-server-statistics>

```

## Description

## Summary of Adaptive Services Response Tags

### <alg-error-counters>

#### Usage

```

<sfw-stats-service-set-entry>
  <alg-error-counters>
    <alg-bootp-errors>
      alg-bootp-errors
    </alg-bootp-errors>
    <alg-dce-rpc-errors>
      alg-dce-rpc-errors
    </alg-dce-rpc-errors>
    <alg-dce-rpc-portmap-errors>
      alg-dce-rpc-portmap-errors
    </alg-dce-rpc-portmap-errors>
    <alg-dns-errors>
      alg-dns-errors
    </alg-dns-errors>
    <alg-exec-errors>
      alg-exec-errors
    </alg-exec-errors>
    <alg-ftp-errors>
      alg-ftp-errors
    </alg-ftp-errors>
    <alg-h323-errors>
      alg-h323-errors
    </alg-h323-errors>
    <alg-icmp-errors>
      alg-icmp-errors
    </alg-icmp-errors>
    <alg-iiop-errors>
      alg-iiop-errors
    </alg-iiop-errors>
    <alg-login-errors>
      alg-login-errors
    </alg-login-errors>
    <alg-netbios-errors>
      alg-netbios-errors
    </alg-netbios-errors>
    <alg-netshow-errors>
      alg-netshow-errors

```

```
</alg-netshow-errors>
<alg-realaudio-errors>
  alg-realaudio-errors
</alg-realaudio-errors>
<alg-rpc-errors>
  alg-rpc-errors
</alg-rpc-errors>
<alg-rpc-portmap-errors>
  alg-rpc-portmap-errors
</alg-rpc-portmap-errors>
<alg-rtsp-errors>
  alg-rtsp-errors
</alg-rtsp-errors>
<alg-shell-errors>
  alg-shell-errors
</alg-shell-errors>
<alg-sip-errors>
  alg-sip-errors
</alg-sip-errors>
<alg-snmp-errors>
  alg-snmp-errors
</alg-snmp-errors>
<alg-sqlnet-errors>
  alg-sqlnet-errors
</alg-sqlnet-errors>
<alg-tftp-errors>
  alg-tftp-errors
</alg-tftp-errors>
<alg-traceroute-errors>
  alg-traceroute-errors
</alg-traceroute-errors>
</alg-error-counters>
</sfw-stats-service-set-entry>
```

**Description** Extensive output of ALG processing errors

### <alg-error-counters>

#### Usage

```
<service-sfw-statistics-information>
<service-sfw-statistics-entry>
<sfw-stats-service-set-entry>
  <alg-error-counters>
    <alg-bootp-errors>
      alg-bootp-errors
    </alg-bootp-errors>
    <alg-dce-rpc-errors>
      alg-dce-rpc-errors
    </alg-dce-rpc-errors>
    <alg-dce-rpc-portmap-errors>
      alg-dce-rpc-portmap-errors
    </alg-dce-rpc-portmap-errors>
    <alg-dns-errors>
      alg-dns-errors
```

```
</alg-dns-errors>
<alg-exec-errors>
  alg-exec-errors
</alg-exec-errors>
<alg-ftp-errors>
  alg-ftp-errors
</alg-ftp-errors>
<alg-h323-errors>
  alg-h323-errors
</alg-h323-errors>
<alg-icmp-errors>
  alg-icmp-errors
</alg-icmp-errors>
<alg-iiop-errors>
  alg-iiop-errors
</alg-iiop-errors>
<alg-login-errors>
  alg-login-errors
</alg-login-errors>
<alg-netbios-errors>
  alg-netbios-errors
</alg-netbios-errors>
<alg-netshow-errors>
  alg-netshow-errors
</alg-netshow-errors>
<alg-realaudio-errors>
  alg-realaudio-errors
</alg-realaudio-errors>
<alg-rpc-errors>
  alg-rpc-errors
</alg-rpc-errors>
<alg-rpc-portmap-errors>
  alg-rpc-portmap-errors
</alg-rpc-portmap-errors>
<alg-rtsp-errors>
  alg-rtsp-errors
</alg-rtsp-errors>
<alg-shell-errors>
  alg-shell-errors
</alg-shell-errors>
<alg-sip-errors>
  alg-sip-errors
</alg-sip-errors>
<alg-snmp-errors>
  alg-snmp-errors
</alg-snmp-errors>
<alg-sqlnet-errors>
  alg-sqlnet-errors
</alg-sqlnet-errors>
<alg-tftp-errors>
  alg-tftp-errors
</alg-tftp-errors>
<alg-traceroute-errors>
  alg-traceroute-errors
</alg-traceroute-errors>
</alg-error-counters>
```

```
</sfw-stats-service-set-entry>
</service-sfw-statistics-entry>
</service-sfw-statistics-information>
```

**Description** Extensive output of ALG processing errors

### <base-root-entry>

#### Usage

```
<pgcpd-active-configuration>
  <base-root-entry>
    <brp_name>
      brp_name
    </brp_name>
    <brp_minimum>
      brp_minimum
    </brp_minimum>
    <brp_maximum>
      brp_maximum
    </brp_maximum>
    <brp_default>
      brp_default
    </brp_default>
  </base-root-entry>
</pgcpd-active-configuration>
```

**Description** Array of h248 base root properties

### <base-root-entry>

#### Usage

```
<pgcpd-active-configuration>
  <gateway-entry>
    <base-root-entry>
      <brp_name>
        brp_name
      </brp_name>
      <brp_minimum>
        brp_minimum
      </brp_minimum>
      <brp_maximum>
        brp_maximum
      </brp_maximum>
      <brp_default>
        brp_default
      </brp_default>
    </base-root-entry>
  </gateway-entry>
</pgcpd-active-configuration>
```

**Description** Array of h248 base root properties

**<base-root-entry>****Usage**

```

<pgcpd-active-configuration>
  <pgcpd-config>
    <gateway-entry>
      <base-root-entry>
        <brp_name>
          brp_name
        </brp_name>
        <brp_minimum>
          brp_minimum
        </brp_minimum>
        <brp_maximum>
          brp_maximum
        </brp_maximum>
        <brp_default>
          brp_default
        </brp_default>
      </base-root-entry>
    </gateway-entry>
  </pgcpd-config>
</pgcpd-active-configuration>

```

**Description**    Array of h248 base root properties

**<base-root-entry>****Usage**

```

<service-pgcp-statistics-gateway>
  <gateway-entry>
    <base-root-entry>
      <brp_name>
        brp_name
      </brp_name>
      <brp_minimum>
        brp_minimum
      </brp_minimum>
      <brp_maximum>
        brp_maximum
      </brp_maximum>
      <brp_default>
        brp_default
      </brp_default>
    </base-root-entry>
  </gateway-entry>
</service-pgcp-statistics-gateway>

```

**Description**    Array of h248 base root properties

## <base-root-entry>

### Usage

```
<service-pgcp-terminations>
  <gateway-entry>
    <base-root-entry>
      <brp_name>
        brp_name
      </brp_name>
      <brp_minimum>
        brp_minimum
      </brp_minimum>
      <brp_maximum>
        brp_maximum
      </brp_maximum>
      <brp_default>
        brp_default
      </brp_default>
    </base-root-entry>
  </gateway-entry>
</service-pgcp-terminations>
```

**Description**    Array of h248 base root properties

## <base-root-entry>

### Usage

```
<service-pgcp-gates>
  <gateway-entry>
    <base-root-entry>
      <brp_name>
        brp_name
      </brp_name>
      <brp_minimum>
        brp_minimum
      </brp_minimum>
      <brp_maximum>
        brp_maximum
      </brp_maximum>
      <brp_default>
        brp_default
      </brp_default>
    </base-root-entry>
  </gateway-entry>
</service-pgcp-gates>
```

**Description**    Array of h248 base root properties

## <bsg-address-of-record>

### Usage

```
<bsg-address-of-record>
```

```

<bsg-aor-name>
  bsg-aor-name
</bsg-aor-name>
<bsg-aor-bindings-num-of-lu>
  bsg-aor-bindings-num-of-lu
</bsg-aor-bindings-num-of-lu>
<bsg-address-of-record-bindings>....</bsg-address-of-record-bindings>
</bsg-address-of-record>

```

**Description** Address of record

### <bsg-address-of-record>

#### Usage

```

<bsg-address-of-records>
<bsg-address-of-record>
  <bsg-aor-name>
    bsg-aor-name
  </bsg-aor-name>
  <bsg-aor-bindings-num-of-lu>
    bsg-aor-bindings-num-of-lu
  </bsg-aor-bindings-num-of-lu>
  <bsg-address-of-record-bindings>....</bsg-address-of-record-bindings>
</bsg-address-of-record>
</bsg-address-of-records>

```

**Description** Address of record

### <bsg-address-of-record-binding>

#### Usage

```

<bsg-address-of-record-binding>
<bsg-aor-bindings-uri>
  bsg-aor-bindings-uri
</bsg-aor-bindings-uri>
<bsg-aor-bindings-reg-realm>
  bsg-aor-bindings-reg-realm
</bsg-aor-bindings-reg-realm>
<bsg-aor-bindings-service-point>
  bsg-aor-bindings-service-point
</bsg-aor-bindings-service-point>
<bsg-aor-bindings-last-reg-time>
  bsg-aor-bindings-last-reg-time
</bsg-aor-bindings-last-reg-time>
<bsg-aor-bindings-first-reg-time>
  bsg-aor-bindings-first-reg-time
</bsg-aor-bindings-first-reg-time>
<bsg-aor-bindings-expiration-time>
  bsg-aor-bindings-expiration-time
</bsg-aor-bindings-expiration-time>
<bsg-aor-bindings-lu>
  bsg-aor-bindings-lu

```

```
</bsg-aor-bindings-lu>
<bsg-aor-bindings-fe-nat-used>
  bsg-aor-bindings-fe-nat-used
</bsg-aor-bindings-fe-nat-used>
<bsg-aor-bindings-fe-nat-method>
  bsg-aor-bindings-fe-nat-method
</bsg-aor-bindings-fe-nat-method>
<bsg-aor-bindings-fe-nat-ka-interval>
  bsg-aor-bindings-fe-nat-ka-interval
</bsg-aor-bindings-fe-nat-ka-interval>
</bsg-address-of-record-binding>
```

**Description** Binding URI's

### <bsg-address-of-record-binding>

#### Usage

```
<bsg-address-of-record-bindings>
<bsg-address-of-record-binding>
  <bsg-aor-bindings-uri>
    bsg-aor-bindings-uri
  </bsg-aor-bindings-uri>
  <bsg-aor-bindings-reg-realm>
    bsg-aor-bindings-reg-realm
  </bsg-aor-bindings-reg-realm>
  <bsg-aor-bindings-service-point>
    bsg-aor-bindings-service-point
  </bsg-aor-bindings-service-point>
  <bsg-aor-bindings-last-reg-time>
    bsg-aor-bindings-last-reg-time
  </bsg-aor-bindings-last-reg-time>
  <bsg-aor-bindings-first-reg-time>
    bsg-aor-bindings-first-reg-time
  </bsg-aor-bindings-first-reg-time>
  <bsg-aor-bindings-expiration-time>
    bsg-aor-bindings-expiration-time
  </bsg-aor-bindings-expiration-time>
  <bsg-aor-bindings-lu>
    bsg-aor-bindings-lu
  </bsg-aor-bindings-lu>
  <bsg-aor-bindings-fe-nat-used>
    bsg-aor-bindings-fe-nat-used
  </bsg-aor-bindings-fe-nat-used>
  <bsg-aor-bindings-fe-nat-method>
    bsg-aor-bindings-fe-nat-method
  </bsg-aor-bindings-fe-nat-method>
  <bsg-aor-bindings-fe-nat-ka-interval>
    bsg-aor-bindings-fe-nat-ka-interval
  </bsg-aor-bindings-fe-nat-ka-interval>
</bsg-address-of-record-binding>
</bsg-address-of-record-bindings>
```

**Description** Binding URI's



## <bsg-address-of-record-binding>

### Usage

```

<bsg-address-of-record>
  <bsg-address-of-record-bindings>
    <bsg-address-of-record-binding>
      <bsg-aor-bindings-uri>
        bsg-aor-bindings-uri
      </bsg-aor-bindings-uri>
      <bsg-aor-bindings-reg-realm>
        bsg-aor-bindings-reg-realm
      </bsg-aor-bindings-reg-realm>
      <bsg-aor-bindings-service-point>
        bsg-aor-bindings-service-point
      </bsg-aor-bindings-service-point>
      <bsg-aor-bindings-last-reg-time>
        bsg-aor-bindings-last-reg-time
      </bsg-aor-bindings-last-reg-time>
      <bsg-aor-bindings-first-reg-time>
        bsg-aor-bindings-first-reg-time
      </bsg-aor-bindings-first-reg-time>
      <bsg-aor-bindings-expiration-time>
        bsg-aor-bindings-expiration-time
      </bsg-aor-bindings-expiration-time>
      <bsg-aor-bindings-lu>
        bsg-aor-bindings-lu
      </bsg-aor-bindings-lu>
      <bsg-aor-bindings-fe-nat-used>
        bsg-aor-bindings-fe-nat-used
      </bsg-aor-bindings-fe-nat-used>
      <bsg-aor-bindings-fe-nat-method>
        bsg-aor-bindings-fe-nat-method
      </bsg-aor-bindings-fe-nat-method>
      <bsg-aor-bindings-fe-nat-ka-interval>
        bsg-aor-bindings-fe-nat-ka-interval
      </bsg-aor-bindings-fe-nat-ka-interval>
    </bsg-address-of-record-binding>
  </bsg-address-of-record-bindings>
</bsg-address-of-record>

```

**Description** Binding URI's

## <bsg-address-of-record-binding>

### Usage

```

<bsg-address-of-records>
  <bsg-address-of-record>
    <bsg-address-of-record-bindings>
      <bsg-address-of-record-binding>
        <bsg-aor-bindings-uri>
          bsg-aor-bindings-uri
        </bsg-aor-bindings-uri>
        <bsg-aor-bindings-reg-realm>

```

```
    bsg-aor-bindings-reg-realm
  </bsg-aor-bindings-reg-realm>
  <bsg-aor-bindings-service-point>
    bsg-aor-bindings-service-point
  </bsg-aor-bindings-service-point>
  <bsg-aor-bindings-last-reg-time>
    bsg-aor-bindings-last-reg-time
  </bsg-aor-bindings-last-reg-time>
  <bsg-aor-bindings-first-reg-time>
    bsg-aor-bindings-first-reg-time
  </bsg-aor-bindings-first-reg-time>
  <bsg-aor-bindings-expiration-time>
    bsg-aor-bindings-expiration-time
  </bsg-aor-bindings-expiration-time>
  <bsg-aor-bindings-lu>
    bsg-aor-bindings-lu
  </bsg-aor-bindings-lu>
  <bsg-aor-bindings-fe-nat-used>
    bsg-aor-bindings-fe-nat-used
  </bsg-aor-bindings-fe-nat-used>
  <bsg-aor-bindings-fe-nat-method>
    bsg-aor-bindings-fe-nat-method
  </bsg-aor-bindings-fe-nat-method>
  <bsg-aor-bindings-fe-nat-ka-interval>
    bsg-aor-bindings-fe-nat-ka-interval
  </bsg-aor-bindings-fe-nat-ka-interval>
</bsg-address-of-record-binding>
</bsg-address-of-record-bindings>
</bsg-address-of-record>
</bsg-address-of-records>
```

**Description** Binding URI's

### <bsg-address-of-record-bindings>

#### Usage

```
<bsg-address-of-record-bindings>
  <bsg-address-of-record-binding>....</bsg-address-of-record-binding>
</bsg-address-of-record-bindings>
```

**Description** Binding URI's

### <bsg-address-of-record-bindings>

#### Usage

```
<bsg-address-of-record>
  <bsg-address-of-record-bindings>
    <bsg-address-of-record-binding>....</bsg-address-of-record-binding>
  </bsg-address-of-record-bindings>
</bsg-address-of-record>
```

**Description** Binding URI's

### <bsg-address-of-record-bindings>

#### Usage

```
<bsg-address-of-records>
  <bsg-address-of-record>
    <bsg-address-of-record-bindings>
      <bsg-address-of-record-binding>....</bsg-address-of-record-binding>
    </bsg-address-of-record-bindings>
  </bsg-address-of-record>
</bsg-address-of-records>
```

**Description** Binding URI's

### <bsg-address-of-records>

#### Usage

```
<bsg-address-of-records>
  <bsg-address-of-record>....</bsg-address-of-record>
</bsg-address-of-records>
```

#### Description

### <bsg-admission-control-details>

#### Usage

```
<bsg-admission-control-details>
  <bsg-cac-name>
    bsg-cac-name
  </bsg-cac-name>
  <bsg-admission-control-dialogs>....</bsg-admission-control-dialogs>
  <bsg-admission-control-transactions>....</bsg-admission-control-transactions>

</bsg-admission-control-details>
```

#### Description

### <bsg-admission-control-details>

#### Usage

```
<bsg-statistics-admission-control-information>
  <bsg-statistics-admission-control>
    <bsg-admission-control-details>
      <bsg-cac-name>
        bsg-cac-name
      </bsg-cac-name>
      <bsg-admission-control-dialogs>....</bsg-admission-control-dialogs>
      <bsg-admission-control-transactions>....</bsg-admission-control-transactions>

    </bsg-admission-control-details>
  </bsg-statistics-admission-control>
```

```
</bsg-statistics-admission-control-information>
```

#### Description

### <bsg-admission-control-dialogs>

#### Usage

```
<bsg-admission-control-dialogs>
  <bsg-admission-control-dialog-title>
    bsg-admission-control-dialog-title
  </bsg-admission-control-dialog-title>
  <bsg-admission-controlled-object>....</bsg-admission-controlled-object>
</bsg-admission-control-dialogs>
```

#### Description

### <bsg-admission-control-dialogs>

#### Usage

```
<bsg-admission-control-details>
  <bsg-admission-control-dialogs>
    <bsg-admission-control-dialog-title>
      bsg-admission-control-dialog-title
    </bsg-admission-control-dialog-title>
    <bsg-admission-controlled-object>....</bsg-admission-controlled-object>
  </bsg-admission-control-dialogs>
</bsg-admission-control-details>
```

#### Description

### <bsg-admission-control-dialogs>

#### Usage

```
<bsg-statistics-admission-control-information>
  <bsg-statistics-admission-control>
    <bsg-admission-control-details>
      <bsg-admission-control-dialogs>
        <bsg-admission-control-dialog-title>
          bsg-admission-control-dialog-title
        </bsg-admission-control-dialog-title>
        <bsg-admission-controlled-object>....</bsg-admission-controlled-object>
      </bsg-admission-control-dialogs>
    </bsg-admission-control-details>
  </bsg-statistics-admission-control>
</bsg-statistics-admission-control-information>
```

#### Description

### <bsg-admission-control-transactions>

#### Usage

```
<bsg-admission-control-transactions>
```

```

    <bsg-admission-control-transaction-title>
      bsg-admission-control-transaction-title
    </bsg-admission-control-transaction-title>
    <bsg-admission-controlled-object>....</bsg-admission-controlled-object>
  </bsg-admission-control-transactions>

```

#### Description

### <bsg-admission-control-transactions>

#### Usage

```

  <bsg-admission-control-details>
    <bsg-admission-control-transactions>
      <bsg-admission-control-transaction-title>
        bsg-admission-control-transaction-title
      </bsg-admission-control-transaction-title>
      <bsg-admission-controlled-object>....</bsg-admission-controlled-object>
    </bsg-admission-control-transactions>
  </bsg-admission-control-details>

```

#### Description

### <bsg-admission-control-transactions>

#### Usage

```

  <bsg-statistics-admission-control-information>
    <bsg-statistics-admission-control>
      <bsg-admission-control-details>
        <bsg-admission-control-transactions>
          <bsg-admission-control-transaction-title>
            bsg-admission-control-transaction-title
          </bsg-admission-control-transaction-title>
          <bsg-admission-controlled-object>....</bsg-admission-controlled-object>
        </bsg-admission-control-transactions>
      </bsg-admission-control-details>
    </bsg-statistics-admission-control>
  </bsg-statistics-admission-control-information>

```

#### Description

### <bsg-admission-controlled-object>

#### Usage

```

  <bsg-admission-controlled-object>
    <bsg-cac-active>
      bsg-cac-active
    </bsg-cac-active>
    <bsg-cac-attempts-handled>
      bsg-cac-attempts-handled
    </bsg-cac-attempts-handled>
    <bsg-cac-attempts-rejected-concurrent>
      bsg-cac-attempts-rejected-concurrent
    </bsg-cac-attempts-rejected-concurrent>

```

```
<bsg-cac-attempts-rejected-rate>  
  bsg-cac-attempts-rejected-rate  
</bsg-cac-attempts-rejected-rate>  
</bsg-admission-controlled-object>
```

#### Description

### <bsg-admission-controlled-object>

#### Usage

```
<bsg-admission-control-dialogs>  
  <bsg-admission-controlled-object>  
    <bsg-cac-active>  
      bsg-cac-active  
    </bsg-cac-active>  
    <bsg-cac-attempts-handled>  
      bsg-cac-attempts-handled  
    </bsg-cac-attempts-handled>  
    <bsg-cac-attempts-rejected-concurrent>  
      bsg-cac-attempts-rejected-concurrent  
    </bsg-cac-attempts-rejected-concurrent>  
    <bsg-cac-attempts-rejected-rate>  
      bsg-cac-attempts-rejected-rate  
    </bsg-cac-attempts-rejected-rate>  
  </bsg-admission-controlled-object>  
</bsg-admission-control-dialogs>
```

#### Description

### <bsg-admission-controlled-object>

#### Usage

```
<bsg-admission-control-transactions>  
  <bsg-admission-controlled-object>  
    <bsg-cac-active>  
      bsg-cac-active  
    </bsg-cac-active>  
    <bsg-cac-attempts-handled>  
      bsg-cac-attempts-handled  
    </bsg-cac-attempts-handled>  
    <bsg-cac-attempts-rejected-concurrent>  
      bsg-cac-attempts-rejected-concurrent  
    </bsg-cac-attempts-rejected-concurrent>  
    <bsg-cac-attempts-rejected-rate>  
      bsg-cac-attempts-rejected-rate  
    </bsg-cac-attempts-rejected-rate>  
  </bsg-admission-controlled-object>  
</bsg-admission-control-transactions>
```

#### Description

## <bsg-admission-controlled-object>

### Usage

```

<bsg-admission-control-details>
  <bsg-admission-control-dialogs>
    <bsg-admission-controlled-object>
      <bsg-cac-active>
        bsg-cac-active
      </bsg-cac-active>
      <bsg-cac-attempts-handled>
        bsg-cac-attempts-handled
      </bsg-cac-attempts-handled>
      <bsg-cac-attempts-rejected-concurrent>
        bsg-cac-attempts-rejected-concurrent
      </bsg-cac-attempts-rejected-concurrent>
      <bsg-cac-attempts-rejected-rate>
        bsg-cac-attempts-rejected-rate
      </bsg-cac-attempts-rejected-rate>
    </bsg-admission-controlled-object>
  </bsg-admission-control-dialogs>
</bsg-admission-control-details>

```

### Description

## <bsg-admission-controlled-object>

### Usage

```

<bsg-admission-control-details>
  <bsg-admission-control-transactions>
    <bsg-admission-controlled-object>
      <bsg-cac-active>
        bsg-cac-active
      </bsg-cac-active>
      <bsg-cac-attempts-handled>
        bsg-cac-attempts-handled
      </bsg-cac-attempts-handled>
      <bsg-cac-attempts-rejected-concurrent>
        bsg-cac-attempts-rejected-concurrent
      </bsg-cac-attempts-rejected-concurrent>
      <bsg-cac-attempts-rejected-rate>
        bsg-cac-attempts-rejected-rate
      </bsg-cac-attempts-rejected-rate>
    </bsg-admission-controlled-object>
  </bsg-admission-control-transactions>
</bsg-admission-control-details>

```

### Description

## <bsg-admission-controlled-object>

### Usage

```

<bsg-statistics-admission-control-information>
  <bsg-statistics-admission-control>

```

```
<bsg-admission-control-details>
  <bsg-admission-control-dialogs>
    <bsg-admission-controlled-object>
      <bsg-cac-active>
        bsg-cac-active
      </bsg-cac-active>
      <bsg-cac-attempts-handled>
        bsg-cac-attempts-handled
      </bsg-cac-attempts-handled>
      <bsg-cac-attempts-rejected-concurrent>
        bsg-cac-attempts-rejected-concurrent
      </bsg-cac-attempts-rejected-concurrent>
      <bsg-cac-attempts-rejected-rate>
        bsg-cac-attempts-rejected-rate
      </bsg-cac-attempts-rejected-rate>
    </bsg-admission-controlled-object>
  </bsg-admission-control-dialogs>
</bsg-admission-control-details>
</bsg-statistics-admission-control>
</bsg-statistics-admission-control-information>
```

## Description

### <bsg-admission-controlled-object>

#### Usage

```
<bsg-statistics-admission-control-information>
  <bsg-statistics-admission-control>
    <bsg-admission-control-details>
      <bsg-admission-control-transactions>
        <bsg-admission-controlled-object>
          <bsg-cac-active>
            bsg-cac-active
          </bsg-cac-active>
          <bsg-cac-attempts-handled>
            bsg-cac-attempts-handled
          </bsg-cac-attempts-handled>
          <bsg-cac-attempts-rejected-concurrent>
            bsg-cac-attempts-rejected-concurrent
          </bsg-cac-attempts-rejected-concurrent>
          <bsg-cac-attempts-rejected-rate>
            bsg-cac-attempts-rejected-rate
          </bsg-cac-attempts-rejected-rate>
        </bsg-admission-controlled-object>
      </bsg-admission-control-transactions>
    </bsg-admission-control-details>
  </bsg-statistics-admission-control>
</bsg-statistics-admission-control-information>
```

## Description



## <bsg-calls-duration>

### Usage

```
<bsg-calls-duration>
  <bsg-calls-duration-details>....</bsg-calls-duration-details>
</bsg-calls-duration>
```

**Description** Show an histogram of calls-duration for each service point

## <bsg-calls-duration-details>

### Usage

```
<bsg-calls-duration>
  <bsg-calls-duration-details>
    <bsg-start-time>
      bsg-start-time
    </bsg-start-time>
  <bsg-service-point-calls-duration-details>....</bsg-service-point-calls-duration-details>
</bsg-calls-duration-details>
</bsg-calls-duration>
```

### Description

## <bsg-charging-statistics>

### Usage

```
<bsg-charging-statistics>
  <number-of-ctf-messages>
    number-of-ctf-messages
  </number-of-ctf-messages>
  <number-of-ctf-retries-messages>
    number-of-ctf-retries-messages
  </number-of-ctf-retries-messages>
  <number-of-ctf-replied-messages>
    number-of-ctf-replied-messages
  </number-of-ctf-replied-messages>
  <number-of-ctf-error-replied-messages>
    number-of-ctf-error-replied-messages
  </number-of-ctf-error-replied-messages>
</bsg-charging-statistics>
```

### Description

## <bsg-charging-status>

### Usage

```
<bsg-charging-status>
  <bsg-charging-name>
    bsg-charging-name
  </bsg-charging-name>
```

```
<bsg-charging-release-number>
  bsg-charging-release-number
</bsg-charging-release-number>
<bsg-charging-operational-mode>
  bsg-charging-operational-mode
</bsg-charging-operational-mode>
<bsg-charging-status-cdf>....</bsg-charging-status-cdf>
</bsg-charging-status>
```

#### Description

### <bsg-charging-status-cdf>

#### Usage

```
<bsg-charging-status-cdf>
  <bsg-charging-cdf-name>
    bsg-charging-cdf-name
  </bsg-charging-cdf-name>
  <bsg-charging-cdf-realm>
    bsg-charging-cdf-realm
  </bsg-charging-cdf-realm>
  <bsg-charging-cdf-host>
    bsg-charging-cdf-host
  </bsg-charging-cdf-host>
  <bsg-charging-cdf-priority>
    bsg-charging-cdf-priority
  </bsg-charging-cdf-priority>
</bsg-charging-status-cdf>
```

**Description** Charging Trigger Function - CDF servers list

### <bsg-charging-status-cdf>

#### Usage

```
<bsg-charging-status>
  <bsg-charging-status-cdf>
    <bsg-charging-cdf-name>
      bsg-charging-cdf-name
    </bsg-charging-cdf-name>
    <bsg-charging-cdf-realm>
      bsg-charging-cdf-realm
    </bsg-charging-cdf-realm>
    <bsg-charging-cdf-host>
      bsg-charging-cdf-host
    </bsg-charging-cdf-host>
    <bsg-charging-cdf-priority>
      bsg-charging-cdf-priority
    </bsg-charging-cdf-priority>
  </bsg-charging-status-cdf>
</bsg-charging-status>
```

**Description** Charging Trigger Function - CDF servers list

### <bsg-database-size>

#### Usage

```
<bsg-database-size>
  <database-name>
    database-name
  </database-name>
  <database-size>
    database-size
  </database-size>
</bsg-database-size>
```

**Description** Show border signaling gateway database size

### <bsg-denied-messages-details>

#### Usage

```
<bsg-denied-messages-details>
  <bsg-denied-message>
    bsg-denied-message
  </bsg-denied-message>
</bsg-denied-messages-details>
```

#### Description

### <bsg-denied-messages-details>

#### Usage

```
<bsg-statistics-denied-messages-details>
  <bsg-statistics-denied-messages>
    <bsg-denied-messages-details>
      <bsg-denied-message>
        bsg-denied-message
      </bsg-denied-message>
    </bsg-denied-messages-details>
  </bsg-statistics-denied-messages>
</bsg-statistics-denied-messages-details>
```

#### Description

### <bsg-drain-name-resolution-details>

#### Usage

```
<bsg-drain-name-resolution-details>
</bsg-drain-name-resolution-details>
```

**Description** Name resolution cache contents cleared by border signaling gateway

## <bsg-information-brief>

### Usage

```
<bsg-information-brief>  
  <bsg-information-brief-details>....</bsg-information-brief-details>  
</bsg-information-brief>
```

### Description

## <bsg-information-brief-details>

### Usage

```
<bsg-information-brief-details>  
  <bsg-call-context-id>  
    bsg-call-context-id  
  </bsg-call-context-id>  
  <bsg-request-uri>  
    bsg-request-uri  
  </bsg-request-uri>  
  <bsg-contact>  
    bsg-contact  
  </bsg-contact>  
  <bsg-signaling-source-ip>  
    bsg-signaling-source-ip  
  </bsg-signaling-source-ip>  
  <bsg-signaling-destination-ip>  
    bsg-signaling-destination-ip  
  </bsg-signaling-destination-ip>  
  <bsg-dialog-information-call-id>  
    bsg-dialog-information-call-id  
  </bsg-dialog-information-call-id>  
</bsg-information-brief-details>
```

### Description

## <bsg-information-brief-details>

### Usage

```
<bsg-information-brief>  
  <bsg-information-brief-details>  
    <bsg-call-context-id>  
      bsg-call-context-id  
    </bsg-call-context-id>  
    <bsg-request-uri>  
      bsg-request-uri  
    </bsg-request-uri>  
    <bsg-contact>  
      bsg-contact  
    </bsg-contact>  
    <bsg-signaling-source-ip>  
      bsg-signaling-source-ip  
    </bsg-signaling-source-ip>  
    <bsg-signaling-destination-ip>
```

```

        bsg-signaling-destination-ip
      </bsg-signaling-destination-ip>
      <bsg-dialog-information-call-id>
        bsg-dialog-information-call-id
      </bsg-dialog-information-call-id>
    </bsg-information-brief-details>
  </bsg-information-brief>

```

#### Description

### <bsg-information-details-detailed>

#### Usage

```

<bsg-information-details-detailed>
  <bsg-service-point-calls-information>....</bsg-service-point-calls-information>
</bsg-information-details-detailed>

```

**Description** Show border signaling gateway information

### <bsg-information-summary>

#### Usage

```

<bsg-information-summary>
  <bsg-information-active-calls>
    bsg-information-active-calls
  </bsg-information-active-calls>
</bsg-information-summary>

```

#### Description

### <bsg-media-details>

#### Usage

```

<bsg-media-details>
  <bsg-gate-id>
    bsg-gate-id
  </bsg-gate-id>
  <bsg-media-ip>
    bsg-media-ip
  </bsg-media-ip>
  <bsg-media-port>
    bsg-media-port
  </bsg-media-port>
  <bsg-media-status>
    bsg-media-status
  </bsg-media-status>
</bsg-media-details>

```

**Description** Media details

### <bsg-media-details>

#### Usage

```
<bsg-service-point-calls-information>
  <bsg-media-details>
    <bsg-gate-id>
      bsg-gate-id
    </bsg-gate-id>
    <bsg-media-ip>
      bsg-media-ip
    </bsg-media-ip>
    <bsg-media-port>
      bsg-media-port
    </bsg-media-port>
    <bsg-media-status>
      bsg-media-status
    </bsg-media-status>
  </bsg-media-details>
</bsg-service-point-calls-information>
```

Description    Media details

### <bsg-media-details>

#### Usage

```
<bsg-information-details-detailed>
  <bsg-service-point-calls-information>
    <bsg-media-details>
      <bsg-gate-id>
        bsg-gate-id
      </bsg-gate-id>
      <bsg-media-ip>
        bsg-media-ip
      </bsg-media-ip>
      <bsg-media-port>
        bsg-media-port
      </bsg-media-port>
      <bsg-media-status>
        bsg-media-status
      </bsg-media-status>
    </bsg-media-details>
  </bsg-service-point-calls-information>
</bsg-information-details-detailed>
```

Description    Media details

### <bsg-memory-pools>

#### Usage

```
<bsg-memory-pools>
  <memory-pool-name>
    memory-pool-name
  </memory-pool-name>
</bsg-memory-pools>
```

```

</memory-pool-name>
<memory-pool-chunks-num>
  memory-pool-chunks-num
</memory-pool-chunks-num>
<memory-pool-free-chunks-num>
  memory-pool-free-chunks-num
</memory-pool-free-chunks-num>
<memory-pool-chunk-size>
  memory-pool-chunk-size
</memory-pool-chunk-size>
<memory-pool-chunk-used>
  memory-pool-chunk-used
</memory-pool-chunk-used>
</bsg-memory-pools>

```

**Description** Show border signaling gateway memory pools

### <bsg-name-resolution-cache-information>

#### Usage

```

<bsg-name-resolution-cache-information>
  <bsg-nr-cache>....</bsg-nr-cache>
</bsg-name-resolution-cache-information>

```

**Description** Show name resolution cache content

### <bsg-name-resolution-entry>

#### Usage

```

<bsg-name-resolution-entry>
  <bsg-nr-entry-fqdn>
    bsg-nr-entry-fqdn
  </bsg-nr-entry-fqdn>
  <bsg-nr-entry-type>
    bsg-nr-entry-type
  </bsg-nr-entry-type>
  <bsg-nr-entry-rdata>
    bsg-nr-entry-rdata
  </bsg-nr-entry-rdata>
  <bsg-nr-entry-ttl-expiry>
    bsg-nr-entry-ttl-expiry
  </bsg-nr-entry-ttl-expiry>
  <bsg-nr-entry-blacklist-expiry>
    bsg-nr-entry-blacklist-expiry
  </bsg-nr-entry-blacklist-expiry>
</bsg-name-resolution-entry>

```

**Description**

## <bsg-name-resolution-entry>

### Usage

```
<bsg-name-resolution-cache-information>
  <bsg-nr-cache>
    <bsg-name-resolution-entry>
      <bsg-nr-entry-fqdn>
        bsg-nr-entry-fqdn
      </bsg-nr-entry-fqdn>
      <bsg-nr-entry-type>
        bsg-nr-entry-type
      </bsg-nr-entry-type>
      <bsg-nr-entry-rdata>
        bsg-nr-entry-rdata
      </bsg-nr-entry-rdata>
      <bsg-nr-entry-ttl-expiry>
        bsg-nr-entry-ttl-expiry
      </bsg-nr-entry-ttl-expiry>
      <bsg-nr-entry-blacklist-expiry>
        bsg-nr-entry-blacklist-expiry
      </bsg-nr-entry-blacklist-expiry>
    </bsg-name-resolution-entry>
  </bsg-nr-cache>
</bsg-name-resolution-cache-information>
```

### Description

## <bsg-nr-cache>

### Usage

```
<bsg-name-resolution-cache-information>
  <bsg-nr-cache>
    <bsg-name-resolution-entry>....</bsg-name-resolution-entry>
  </bsg-nr-cache>
</bsg-name-resolution-cache-information>
```

### Description

## <bsg-redundancy-connection-info>

### Usage

```
<bsg-status-information>
  <bsg-redundancy-connection-info>
    <bsg-redundancy-conn-type>
      bsg-redundancy-conn-type
    </bsg-redundancy-conn-type>
    <bsg-redundancy-conn-details>
      bsg-redundancy-conn-details
    </bsg-redundancy-conn-details>
    <bsg-redundancy-conn-status>
      bsg-redundancy-conn-status
    </bsg-redundancy-conn-status>
    <bsg-redundancy-conn-messages>
```



```
        bsg-redundancy-conn-messages
      </bsg-redundancy-conn-messages>
    </bsg-redundancy-connection-info>
  </bsg-status-information>
```

**Description** Shows the connection information

### <bsg-redundancy-info>

**Usage**

```
<bsg-status-information>
  <bsg-redundancy-info>
</bsg-redundancy-info>
</bsg-status-information>
```

**Description** Shows bsg redundancy information

### <bsg-redundancy-pic-info>

**Usage**

```
<bsg-status-information>
  <bsg-redundancy-pic-info>
    <bsg-redundancy-local-or-remote>
      bsg-redundancy-local-or-remote
    </bsg-redundancy-local-or-remote>
    <bsg-redundancy-pic-if-name>
      bsg-redundancy-pic-if-name
    </bsg-redundancy-pic-if-name>
    <bsg-redundancy-pic-ip>
      bsg-redundancy-pic-ip
    </bsg-redundancy-pic-ip>
    <bsg-redundancy-pic-rms-role>
      bsg-redundancy-pic-rms-role
    </bsg-redundancy-pic-rms-role>
  </bsg-redundancy-pic-info>
</bsg-status-information>
```

**Description** Shows PIC information

### <bsg-registrations>

**Usage**

```
<bsg-registrations>
  <bsg-registrations-start-time>
    bsg-registrations-start-time
  </bsg-registrations-start-time>
  <bsg-registrations-active-registrations>
    bsg-registrations-active-registrations
  </bsg-registrations-active-registrations>
</bsg-registrations>
```

**Description****<bsg-registrations-realm>****Usage**

```
<bsg-registrations-realm>
  <bsg-registrations-realm-start-time>
    bsg-registrations-realm-start-time
  </bsg-registrations-realm-start-time>
  <bsg-registrations-realm-name>
    bsg-registrations-realm-name
  </bsg-registrations-realm-name>
  <bsg-registrations-realm-active-registrations>
    bsg-registrations-realm-active-registrations
  </bsg-registrations-realm-active-registrations>
</bsg-registrations-realm>
```

**Description****<bsg-routing-blacklist-actively-checked>****Usage**

```
<bsg-routing-blacklist-actively-checked>
  <actively-checked-server-name>
    actively-checked-server-name
  </actively-checked-server-name>
  <actively-checked-server-address>
    actively-checked-server-address
  </actively-checked-server-address>
  <actively-checked-server-last-availability>
    actively-checked-server-last-availability
  </actively-checked-server-last-availability>
  <actively-checked-server-next-check>
    actively-checked-server-next-check
  </actively-checked-server-next-check>
</bsg-routing-blacklist-actively-checked>
```

**Description** Servers that were configured to be actively checked

**<bsg-routing-blacklist-actively-checked>****Usage**

```
<bsg-routing-blacklist-actively-checked-wrapper>
  <bsg-routing-blacklist-actively-checked>
    <actively-checked-server-name>
      actively-checked-server-name
    </actively-checked-server-name>
    <actively-checked-server-address>
      actively-checked-server-address
    </actively-checked-server-address>
    <actively-checked-server-last-availability>
      actively-checked-server-last-availability
    </actively-checked-server-last-availability>
```

```

    <actively-checked-server-next-check>
      actively-checked-server-next-check
    </actively-checked-server-next-check>
  </bsg-routing-blacklist-actively-checked>
</bsg-routing-blacklist-actively-checked-wrapper>

```

**Description** Servers that were configured to be actively checked

### <bsg-routing-blacklist-actively-checked>

#### Usage

```

<bsg-routing-blacklist-details>
  <bsg-routing-blacklist-entry>
    <bsg-routing-blacklist-actively-checked-wrapper>
      <bsg-routing-blacklist-actively-checked>
        <actively-checked-server-name>
          actively-checked-server-name
        </actively-checked-server-name>
        <actively-checked-server-address>
          actively-checked-server-address
        </actively-checked-server-address>
        <actively-checked-server-last-availability>
          actively-checked-server-last-availability
        </actively-checked-server-last-availability>
        <actively-checked-server-next-check>
          actively-checked-server-next-check
        </actively-checked-server-next-check>
      </bsg-routing-blacklist-actively-checked>
    </bsg-routing-blacklist-actively-checked-wrapper>
  </bsg-routing-blacklist-entry>
</bsg-routing-blacklist-details>

```

**Description** Servers that were configured to be actively checked

### <bsg-routing-blacklist-actively-checked-wrapper>

#### Usage

```

<bsg-routing-blacklist-actively-checked-wrapper>
  <bsg-routing-blacklist-actively-checked-title>
    bsg-routing-blacklist-actively-checked-title
  </bsg-routing-blacklist-actively-checked-title>

  <bsg-routing-blacklist-actively-checked>....</bsg-routing-blacklist-actively-checked>

</bsg-routing-blacklist-actively-checked-wrapper>

```

**Description** Title for servers that are actively checked

### <bsg-routing-blacklist-actively-checked-wrapper>

#### Usage

```
<bsg-routing-blacklist-details>
  <bsg-routing-blacklist-entry>
    <bsg-routing-blacklist-actively-checked-wrapper>
      <bsg-routing-blacklist-actively-checked-title>
        bsg-routing-blacklist-actively-checked-title
      </bsg-routing-blacklist-actively-checked-title>
    </bsg-routing-blacklist-actively-checked-wrapper>
  </bsg-routing-blacklist-entry>
</bsg-routing-blacklist-details>
```

**Description** Title for servers that are actively checked

### <bsg-routing-blacklist-details>

#### Usage

```
<bsg-routing-blacklist-details>
  <bsg-routing-blacklist-entry>....</bsg-routing-blacklist-entry>
</bsg-routing-blacklist-details>
```

**Description** Servers which are actively or not-actively checked status

### <bsg-routing-blacklist-entry>

#### Usage

```
<bsg-routing-blacklist-details>
  <bsg-routing-blacklist-entry>
    <bsg-start-time>
      bsg-start-time
    </bsg-start-time>
  </bsg-routing-blacklist-entry>
</bsg-routing-blacklist-details>
```

**Description**

### <bsg-routing-blacklist-not-actively-checked>

#### Usage

```
<bsg-routing-blacklist-not-actively-checked>
  <not-actively-checked-server-name>
```

```

    not-actively-checked-server-name
  </not-actively-checked-server-name>
  <not-actively-checked-server-address>
    not-actively-checked-server-address
  </not-actively-checked-server-address>
  <not-actively-checked-server-next-availability>
    not-actively-checked-server-next-availability
  </not-actively-checked-server-next-availability>
</bsg-routing-blacklist-not-actively-checked>

```

**Description** Servers that were configured not to be actively check

### <bsg-routing-blacklist-not-actively-checked>

#### Usage

```

<bsg-routing-blacklist-not-actively-checked-wrapper>
  <bsg-routing-blacklist-not-actively-checked>
    <not-actively-checked-server-name>
      not-actively-checked-server-name
    </not-actively-checked-server-name>
    <not-actively-checked-server-address>
      not-actively-checked-server-address
    </not-actively-checked-server-address>
    <not-actively-checked-server-next-availability>
      not-actively-checked-server-next-availability
    </not-actively-checked-server-next-availability>
  </bsg-routing-blacklist-not-actively-checked>
</bsg-routing-blacklist-not-actively-checked-wrapper>

```

**Description** Servers that were configured not to be actively check

### <bsg-routing-blacklist-not-actively-checked>

#### Usage

```

<bsg-routing-blacklist-details>
  <bsg-routing-blacklist-entry>
    <bsg-routing-blacklist-not-actively-checked-wrapper>
      <bsg-routing-blacklist-not-actively-checked>
        <not-actively-checked-server-name>
          not-actively-checked-server-name
        </not-actively-checked-server-name>
        <not-actively-checked-server-address>
          not-actively-checked-server-address
        </not-actively-checked-server-address>
        <not-actively-checked-server-next-availability>
          not-actively-checked-server-next-availability
        </not-actively-checked-server-next-availability>
      </bsg-routing-blacklist-not-actively-checked>
    </bsg-routing-blacklist-not-actively-checked-wrapper>
  </bsg-routing-blacklist-entry>
</bsg-routing-blacklist-details>

```

**Description** Servers that were configured not to be actively check

### <bsg-routing-blacklist-not-actively-checked-wrapper>

**Usage**

```
<bsg-routing-blacklist-not-actively-checked-wrapper>
  <bsg-routing-blacklist-not-actively-checked-title>
    bsg-routing-blacklist-not-actively-checked-title
  </bsg-routing-blacklist-not-actively-checked-title>

  <bsg-routing-blacklist-not-actively-checked>....</bsg-routing-blacklist-not-actively-checked>

</bsg-routing-blacklist-not-actively-checked-wrapper>
```

**Description** Title for servers that are not actively checked

### <bsg-routing-blacklist-not-actively-checked-wrapper>

**Usage**

```
<bsg-routing-blacklist-details>
  <bsg-routing-blacklist-entry>
    <bsg-routing-blacklist-not-actively-checked-wrapper>
      <bsg-routing-blacklist-not-actively-checked-title>
        bsg-routing-blacklist-not-actively-checked-title
      </bsg-routing-blacklist-not-actively-checked-title>

      <bsg-routing-blacklist-not-actively-checked>....</bsg-routing-blacklist-not-actively-checked>

    </bsg-routing-blacklist-not-actively-checked-wrapper>
  </bsg-routing-blacklist-entry>
</bsg-routing-blacklist-details>
```

**Description** Title for servers that are not actively checked

### <bsg-service-point-calls-details>

**Usage**

```
<bsg-service-point-calls-details>
  <bsg-sp-name>
    bsg-sp-name
  </bsg-sp-name>
  <service-interface>
    service-interface
  </service-interface>
  <bsg-server-name>
    bsg-server-name
  </bsg-server-name>
  <bsg-sp-direction>
    bsg-sp-direction
  </bsg-sp-direction>
  <bsg-sp-failed-calls>
    bsg-sp-failed-calls
```

```

</bsg-sp-failed-calls>
<bsg-sp-completed-calls>
  bsg-sp-completed-calls
</bsg-sp-completed-calls>
<bsg-sp-active-calls>
  bsg-sp-active-calls
</bsg-sp-active-calls>
</bsg-service-point-calls-details>

```

## Description

### <bsg-service-point-calls-details>

#### Usage

```

<bsg-statistics-calls-details>
<bsg-statistics-calls>
  <bsg-service-point-calls-details>
    <bsg-sp-name>
      bsg-sp-name
    </bsg-sp-name>
    <service-interface>
      service-interface
    </service-interface>
    <bsg-server-name>
      bsg-server-name
    </bsg-server-name>
    <bsg-sp-direction>
      bsg-sp-direction
    </bsg-sp-direction>
    <bsg-sp-failed-calls>
      bsg-sp-failed-calls
    </bsg-sp-failed-calls>
    <bsg-sp-completed-calls>
      bsg-sp-completed-calls
    </bsg-sp-completed-calls>
    <bsg-sp-active-calls>
      bsg-sp-active-calls
    </bsg-sp-active-calls>
  </bsg-service-point-calls-details>
</bsg-statistics-calls>
</bsg-statistics-calls-details>

```

## Description

### <bsg-service-point-calls-duration-details>

#### Usage

```

<bsg-service-point-calls-duration-details>
<bsg-sp-name>
  bsg-sp-name
</bsg-sp-name>
<service-interface>
  service-interface
</service-interface>

```

```
<bsg-server-name>
  bsg-server-name
</bsg-server-name>
<service-point-direction>
  service-point-direction
</service-point-direction>
<calls-duration-histogram>....</calls-duration-histogram>
</bsg-service-point-calls-duration-details>
```

**Description** Show an histogram of calls-duration for each service point

### <bsg-service-point-calls-duration-details>

#### Usage

```
<bsg-calls-duration>
<bsg-calls-duration-details>
  <bsg-service-point-calls-duration-details>
    <bsg-sp-name>
      bsg-sp-name
    </bsg-sp-name>
    <service-interface>
      service-interface
    </service-interface>
    <bsg-server-name>
      bsg-server-name
    </bsg-server-name>
    <service-point-direction>
      service-point-direction
    </service-point-direction>
    <calls-duration-histogram>....</calls-duration-histogram>
  </bsg-service-point-calls-duration-details>
</bsg-calls-duration-details>
</bsg-calls-duration>
```

**Description** Show an histogram of calls-duration for each service point

### <bsg-service-point-calls-failed-details>

#### Usage

```
<bsg-service-point-calls-failed-details>
  <bsg-sp-name>
    bsg-sp-name
  </bsg-sp-name>
  <service-interface>
    service-interface
  </service-interface>
  <bsg-server-name>
    bsg-server-name
  </bsg-server-name>
  <bsg-sp-direction>
    bsg-sp-direction
  </bsg-sp-direction>
```



```

<bsg-sp-error-response-code>
  bsg-sp-error-response-code
</bsg-sp-error-response-code>
<bsg-sp-internal-error>
  bsg-sp-internal-error
</bsg-sp-internal-error>
<bsg-sp-inactive-timeout>
  bsg-sp-inactive-timeout
</bsg-sp-inactive-timeout>
<bsg-sp-setup-media-failure>
  bsg-sp-setup-media-failure
</bsg-sp-setup-media-failure>
<bsg-sp-established-call-media-inactivity>
  bsg-sp-established-call-media-inactivity
</bsg-sp-established-call-media-inactivity>
<bsg-sp-cac-policy-rejection>
  bsg-sp-cac-policy-rejection
</bsg-sp-cac-policy-rejection>
<bsg-sp-default-behavior-policy-rejection>
  bsg-sp-default-behavior-policy-rejection
</bsg-sp-default-behavior-policy-rejection>
<bsg-sp-configured-behavior-policy-rejection>
  bsg-sp-configured-behavior-policy-rejection
</bsg-sp-configured-behavior-policy-rejection>
<bsg-sp-transport-conflict-policy-rejection>
  bsg-sp-transport-conflict-policy-rejection
</bsg-sp-transport-conflict-policy-rejection>
<bsg-sp-protocol-error>
  bsg-sp-protocol-error
</bsg-sp-protocol-error>
<bsg-sp-setup-timeout>
  bsg-sp-setup-timeout
</bsg-sp-setup-timeout>
<bsg-sp-transport-error>
  bsg-sp-transport-error
</bsg-sp-transport-error>
<bsg-sp-canceled-calls>
  bsg-sp-canceled-calls
</bsg-sp-canceled-calls>
<bsg-sp-media-abort>
  bsg-sp-media-abort
</bsg-sp-media-abort>
</bsg-service-point-calls-failed-details>

```

#### Description

**<bsg-service-point-calls-failed-details>**

#### Usage

```

<bsg-statistics-calls-failed-details>
  <bsg-statistics-calls-failed>
    <bsg-service-point-calls-failed-details>
      <bsg-sp-name>
        bsg-sp-name
      </bsg-sp-name>
    </bsg-service-point-calls-failed-details>
  </bsg-statistics-calls-failed>
</bsg-statistics-calls-failed-details>

```

```
<service-interface>
  service-interface
</service-interface>
<bsg-server-name>
  bsg-server-name
</bsg-server-name>
<bsg-sp-direction>
  bsg-sp-direction
</bsg-sp-direction>
<bsg-sp-error-response-code>
  bsg-sp-error-response-code
</bsg-sp-error-response-code>
<bsg-sp-internal-error>
  bsg-sp-internal-error
</bsg-sp-internal-error>
<bsg-sp-inactive-timeout>
  bsg-sp-inactive-timeout
</bsg-sp-inactive-timeout>
<bsg-sp-setup-media-failure>
  bsg-sp-setup-media-failure
</bsg-sp-setup-media-failure>
<bsg-sp-established-call-media-inactivity>
  bsg-sp-established-call-media-inactivity
</bsg-sp-established-call-media-inactivity>
<bsg-sp-cac-policy-rejection>
  bsg-sp-cac-policy-rejection
</bsg-sp-cac-policy-rejection>
<bsg-sp-default-behavior-policy-rejection>
  bsg-sp-default-behavior-policy-rejection
</bsg-sp-default-behavior-policy-rejection>
<bsg-sp-configured-behavior-policy-rejection>
  bsg-sp-configured-behavior-policy-rejection
</bsg-sp-configured-behavior-policy-rejection>
<bsg-sp-transport-conflict-policy-rejection>
  bsg-sp-transport-conflict-policy-rejection
</bsg-sp-transport-conflict-policy-rejection>
<bsg-sp-protocol-error>
  bsg-sp-protocol-error
</bsg-sp-protocol-error>
<bsg-sp-setup-timeout>
  bsg-sp-setup-timeout
</bsg-sp-setup-timeout>
<bsg-sp-transport-error>
  bsg-sp-transport-error
</bsg-sp-transport-error>
<bsg-sp-canceled-calls>
  bsg-sp-canceled-calls
</bsg-sp-canceled-calls>
<bsg-sp-media-abort>
  bsg-sp-media-abort
</bsg-sp-media-abort>
</bsg-service-point-calls-failed-details>
</bsg-statistics-calls-failed>
</bsg-statistics-calls-failed-details>
```

## Description

## &lt;bsg-service-point-calls-information&gt;

## Usage

```

<bsg-service-point-calls-information>
  <bsg-call-context-id>
    bsg-call-context-id
  </bsg-call-context-id>
  <bsg-request-uri>
    bsg-request-uri
  </bsg-request-uri>
  <bsg-contact>
    bsg-contact
  </bsg-contact>
  <bsg-signaling-source-ip>
    bsg-signaling-source-ip
  </bsg-signaling-source-ip>
  <bsg-signaling-destination-ip>
    bsg-signaling-destination-ip
  </bsg-signaling-destination-ip>
  <bsg-dialog-information-call-id>
    bsg-dialog-information-call-id
  </bsg-dialog-information-call-id>
  <bsg-dialog-information-local-uri>
    bsg-dialog-information-local-uri
  </bsg-dialog-information-local-uri>
  <bsg-dialog-information-remote-uri>
    bsg-dialog-information-remote-uri
  </bsg-dialog-information-remote-uri>
  <bsg-dialog-information-local-tag>
    bsg-dialog-information-local-tag
  </bsg-dialog-information-local-tag>
  <bsg-dialog-information-remote-tag>
    bsg-dialog-information-remote-tag
  </bsg-dialog-information-remote-tag>
  <bsg-next-hop>
    bsg-next-hop
  </bsg-next-hop>
  <bsg-media-details>....</bsg-media-details>
  <bsg-matched-policies>
    bsg-matched-policies
  </bsg-matched-policies>
  <bsg-admission-controller>
    bsg-admission-controller
  </bsg-admission-controller>
  <bsg-manipulation-rules>
    bsg-manipulation-rules
  </bsg-manipulation-rules>
</bsg-service-point-calls-information>

```

## Description

## <bsg-service-point-calls-information>

### Usage

```
<bsg-information-details-detailed>
  <bsg-service-point-calls-information>
    <bsg-call-context-id>
      bsg-call-context-id
    </bsg-call-context-id>
    <bsg-request-uri>
      bsg-request-uri
    </bsg-request-uri>
    <bsg-contact>
      bsg-contact
    </bsg-contact>
    <bsg-signaling-source-ip>
      bsg-signaling-source-ip
    </bsg-signaling-source-ip>
    <bsg-signaling-destination-ip>
      bsg-signaling-destination-ip
    </bsg-signaling-destination-ip>
    <bsg-dialog-information-call-id>
      bsg-dialog-information-call-id
    </bsg-dialog-information-call-id>
    <bsg-dialog-information-local-uri>
      bsg-dialog-information-local-uri
    </bsg-dialog-information-local-uri>
    <bsg-dialog-information-remote-uri>
      bsg-dialog-information-remote-uri
    </bsg-dialog-information-remote-uri>
    <bsg-dialog-information-local-tag>
      bsg-dialog-information-local-tag
    </bsg-dialog-information-local-tag>
    <bsg-dialog-information-remote-tag>
      bsg-dialog-information-remote-tag
    </bsg-dialog-information-remote-tag>
    <bsg-next-hop>
      bsg-next-hop
    </bsg-next-hop>
    <bsg-media-details>....</bsg-media-details>
    <bsg-matched-policies>
      bsg-matched-policies
    </bsg-matched-policies>
    <bsg-admission-controller>
      bsg-admission-controller
    </bsg-admission-controller>
    <bsg-manipulation-rules>
      bsg-manipulation-rules
    </bsg-manipulation-rules>
  </bsg-service-point-calls-information>
</bsg-information-details-detailed>
```

### Description

### <bsg-statistics-admission-control>

#### Usage

```
<bsg-statistics-admission-control-information>
  <bsg-statistics-admission-control>
    <bsg-start-time>
      bsg-start-time
    </bsg-start-time>
    <bsg-admission-control-details>....</bsg-admission-control-details>
  </bsg-statistics-admission-control>
</bsg-statistics-admission-control-information>
```

#### Description

### <bsg-statistics-admission-control-information>

#### Usage

```
<bsg-statistics-admission-control-information>
  <bsg-statistics-admission-control>....</bsg-statistics-admission-control>
</bsg-statistics-admission-control-information>
```

**Description** Show admission control profiles status

### <bsg-statistics-calls>

#### Usage

```
<bsg-statistics-calls-details>
  <bsg-statistics-calls>
    <bsg-start-time>
      bsg-start-time
    </bsg-start-time>
    <bsg-service-point-calls-details>....</bsg-service-point-calls-details>
  </bsg-statistics-calls>
</bsg-statistics-calls-details>
```

#### Description

### <bsg-statistics-calls-details>

#### Usage

```
<bsg-statistics-calls-details>
  <bsg-statistics-calls>....</bsg-statistics-calls>
</bsg-statistics-calls-details>
```

**Description** Count of calls per service point

### <bsg-statistics-calls-failed>

#### Usage

```
<bsg-statistics-calls-failed-details>
```

```
<bsg-statistics-calls-failed>
  <bsg-start-time>
    bsg-start-time
  </bsg-start-time>
  <bsg-service-point-calls-failed-details>....</bsg-service-point-calls-failed-details>

</bsg-statistics-calls-failed>
</bsg-statistics-calls-failed-details>
```

#### Description

### <bsg-statistics-calls-failed-details>

#### Usage

```
<bsg-statistics-calls-failed-details>
  <bsg-statistics-calls-failed>....</bsg-statistics-calls-failed>
</bsg-statistics-calls-failed-details>
```

**Description** Count of calls per service point

### <bsg-statistics-clear-denied-messages>

#### Usage

```
<bsg-statistics-clear-denied-messages>
</bsg-statistics-clear-denied-messages>
```

**Description** Denied messages information cleared by border signaling gateway

### <bsg-statistics-denied-messages>

#### Usage

```
<bsg-statistics-denied-messages-details>
  <bsg-statistics-denied-messages>
    <overload-last-reset-time>
      overload-last-reset-time
    </overload-last-reset-time>
    <bsg-denied-messages-details>....</bsg-denied-messages-details>
  </bsg-statistics-denied-messages>
</bsg-statistics-denied-messages-details>
```

#### Description

### <bsg-statistics-denied-messages-details>

#### Usage

```
<bsg-statistics-denied-messages-details>
  <bsg-statistics-denied-messages>....</bsg-statistics-denied-messages>
</bsg-statistics-denied-messages-details>
```

**Description** Denied messages per gateway

### <bsg-statistics-drain-information>

**Usage**

```
<bsg-statistics-drain-information>
</bsg-statistics-drain-information>
```

**Description** Statistics information cleared by border signaling gateway

### <bsg-status-information>

**Usage**

```
<bsg-status-information>
  <bsg-redundancy-pic-info>....</bsg-redundancy-pic-info>
  <bsg-redundancy-connection-info>....</bsg-redundancy-connection-info>
  <bsg-redundancy-state>
    bsg-redundancy-state
  </bsg-redundancy-state>
  <bsg-redundancy-info>....</bsg-redundancy-info>
</bsg-status-information>
```

**Description** Show bsg status information

### <calls-duration-entry>

**Usage**

```
<calls-duration-histogram>
  <calls-duration-entry>
    <duration-start>
      duration-start
    </duration-start>
    <duration-end>
      duration-end
    </duration-end>
    <number-of-calls>
      number-of-calls
    </number-of-calls>
  </calls-duration-entry>
</calls-duration-histogram>
```

**Description**

### <calls-duration-entry>

**Usage**

```
<bsg-service-point-calls-duration-details>
  <calls-duration-histogram>
    <calls-duration-entry>
      <duration-start>
        duration-start
```

```
</duration-start>
<duration-end>
  duration-end
</duration-end>
<number-of-calls>
  number-of-calls
</number-of-calls>
</calls-duration-entry>
</calls-duration-histogram>
</bsg-service-point-calls-duration-details>
```

#### Description

### <calls-duration-entry>

#### Usage

```
<bsg-calls-duration>
  <bsg-calls-duration-details>
    <bsg-service-point-calls-duration-details>
      <calls-duration-histogram>
        <calls-duration-entry>
          <duration-start>
            duration-start
          </duration-start>
          <duration-end>
            duration-end
          </duration-end>
          <number-of-calls>
            number-of-calls
          </number-of-calls>
        </calls-duration-entry>
      </calls-duration-histogram>
    </bsg-service-point-calls-duration-details>
  </bsg-calls-duration-details>
</bsg-calls-duration>
```

#### Description

### <calls-duration-histogram>

#### Usage

```
<calls-duration-histogram>
  <calls-duration-entry>....</calls-duration-entry>
</calls-duration-histogram>
```

**Description** Show an histogram of calls-duration for each service point

### <calls-duration-histogram>

#### Usage

```
<bsg-service-point-calls-duration-details>
  <calls-duration-histogram>
```



```

    <calls-duration-entry>....</calls-duration-entry>
  </calls-duration-histogram>
</bsg-service-point-calls-duration-details>

```

**Description** Show an histogram of calls-duration for each service point

### <calls-duration-histogram>

#### Usage

```

<bsg-calls-duration>
  <bsg-calls-duration-details>
    <bsg-service-point-calls-duration-details>
      <calls-duration-histogram>
        <calls-duration-entry>....</calls-duration-entry>
      </calls-duration-histogram>
    </bsg-service-point-calls-duration-details>
  </bsg-calls-duration-details>
</bsg-calls-duration>

```

**Description** Show an histogram of calls-duration for each service point

### <clear-service-bsg-registrations-statistics>

#### Usage

```

<clear-service-bsg-registrations-statistics>
</clear-service-bsg-registrations-statistics>

```

**Description** Clear bsg registration statistics

### <clear-services-bsg-registrations-subscription>

#### Usage

```

<clear-services-bsg-registrations-subscription>
  <clear-services-bsg-registrations-subscription-result>
    clear-services-bsg-registrations-subscription-result
  </clear-services-bsg-registrations-subscription-result>
</clear-services-bsg-registrations-subscription>

```

**Description** Clear bsg registration subscription

### <controller-entry>

#### Usage

```

<pgcpd-active-configuration>
  <controller-entry>
    <controller-name>
      controller-name
    </controller-name>
    <remote-ip-address>

```

```
    remote-ip-address
  </remote-ip-address>
  <remote-port>
    remote-port
  </remote-port>
</controller-entry>
</pgcpd-active-configuration>
```

#### Description

### <controller-entry>

#### Usage

```
<pgcpd-active-configuration>
  <gateway-entry>
    <controller-entry>
      <controller-name>
        controller-name
      </controller-name>
      <remote-ip-address>
        remote-ip-address
      </remote-ip-address>
      <remote-port>
        remote-port
      </remote-port>
    </controller-entry>
  </gateway-entry>
</pgcpd-active-configuration>
```

#### Description

### <controller-entry>

#### Usage

```
<pgcpd-active-configuration>
  <pgcpd-config>
    <gateway-entry>
      <controller-entry>
        <controller-name>
          controller-name
        </controller-name>
        <remote-ip-address>
          remote-ip-address
        </remote-ip-address>
        <remote-port>
          remote-port
        </remote-port>
      </controller-entry>
    </gateway-entry>
  </pgcpd-config>
</pgcpd-active-configuration>
```

#### Description

**<controller-entry>****Usage**

```

<service-pgcp-statistics-gateway>
  <gateway-entry>
    <controller-entry>
      <controller-name>
        controller-name
      </controller-name>
      <remote-ip-address>
        remote-ip-address
      </remote-ip-address>
      <remote-port>
        remote-port
      </remote-port>
    </controller-entry>
  </gateway-entry>
</service-pgcp-statistics-gateway>

```

**Description****<controller-entry>****Usage**

```

<service-pgcp-terminations>
  <gateway-entry>
    <controller-entry>
      <controller-name>
        controller-name
      </controller-name>
      <remote-ip-address>
        remote-ip-address
      </remote-ip-address>
      <remote-port>
        remote-port
      </remote-port>
    </controller-entry>
  </gateway-entry>
</service-pgcp-terminations>

```

**Description****<controller-entry>****Usage**

```

<service-pgcp-gates>
  <gateway-entry>
    <controller-entry>
      <controller-name>
        controller-name
      </controller-name>
      <remote-ip-address>
        remote-ip-address

```

```
</remote-ip-address>
<remote-port>
  remote-port
</remote-port>
</controller-entry>
</gateway-entry>
</service-pgcp-gates>
```

**Description****<cos-stats-service-set-dscp-entry>****Usage**

```
<cos-stats-service-set-dscp-entry>
<received-dscp>
  received-dscp
</received-dscp>
<total-received-dscp-packets>
  total-received-dscp-packets
</total-received-dscp-packets>
<total-marked-dscp-packets>
  total-marked-dscp-packets
</total-marked-dscp-packets>
</cos-stats-service-set-dscp-entry>
```

**Description** Class-of-service service set statistics entry

**<cos-stats-service-set-dscp-entry>****Usage**

```
<service-cos-statistics-information>
<service-cos-statistics-entry>
  <cos-stats-service-set-dscp-information>
    <cos-stats-service-set-dscp-entry>
      <received-dscp>
        received-dscp
      </received-dscp>
      <total-received-dscp-packets>
        total-received-dscp-packets
      </total-received-dscp-packets>
      <total-marked-dscp-packets>
        total-marked-dscp-packets
      </total-marked-dscp-packets>
    </cos-stats-service-set-dscp-entry>
  </cos-stats-service-set-dscp-information>
</service-cos-statistics-entry>
</service-cos-statistics-information>
```

**Description** Class-of-service service set statistics entry

### <cos-stats-service-set-dscp-information>

#### Usage

```

<service-cos-statistics-information>
  <service-cos-statistics-entry>
    <cos-stats-service-set-dscp-information>
      <cos-stats-service-set-dscp-entry>....</cos-stats-service-set-dscp-entry>
    </cos-stats-service-set-dscp-information>
  </service-cos-statistics-entry>
</service-cos-statistics-information>

```

#### Description

### <cos-stats-service-set-forwarding-class-entry>

#### Usage

```

<cos-stats-service-set-forwarding-class-entry>
  <received-forwarding-class>
    received-forwarding-class
  </received-forwarding-class>
  <total-received-forwarding-class-packets>
    total-received-forwarding-class-packets
  </total-received-forwarding-class-packets>
  <total-assigned-forwarding-class-packets>
    total-assigned-forwarding-class-packets
  </total-assigned-forwarding-class-packets>
</cos-stats-service-set-forwarding-class-entry>

```

**Description** Class-of-service service set statistics entry

### <cos-stats-service-set-forwarding-class-entry>

#### Usage

```

<service-cos-statistics-information>
  <service-cos-statistics-entry>
    <cos-stats-service-set-forwarding-class-information>
      <cos-stats-service-set-forwarding-class-entry>
        <received-forwarding-class>
          received-forwarding-class
        </received-forwarding-class>
        <total-received-forwarding-class-packets>
          total-received-forwarding-class-packets
        </total-received-forwarding-class-packets>
        <total-assigned-forwarding-class-packets>
          total-assigned-forwarding-class-packets
        </total-assigned-forwarding-class-packets>
      </cos-stats-service-set-forwarding-class-entry>
    </cos-stats-service-set-forwarding-class-information>
  </service-cos-statistics-entry>
</service-cos-statistics-information>

```

**Description** Class-of-service service set statistics entry

### <cos-stats-service-set-forwarding-class-information>

**Usage**

```
<service-cos-statistics-information>
  <service-cos-statistics-entry>
    <cos-stats-service-set-forwarding-class-information>

    <cos-stats-service-set-forwarding-class-entry>....</cos-stats-service-set-forwarding-class-entry>

  </cos-stats-service-set-forwarding-class-information>
</service-cos-statistics-entry>
</service-cos-statistics-information>
```

**Description**

### <crtp-config-info-entry>

**Usage**

```
<crtp-config-info-entry>
  <interface-name>
    interface-name
  </interface-name>
  <crtp-port-min>
    crtp-port-min
  </crtp-port-min>
  <crtp-port-max>
    crtp-port-max
  </crtp-port-max>
  <crtp-tcp-space>
    crtp-tcp-space
  </crtp-tcp-space>
  <crtp-udp-space>
    crtp-udp-space
  </crtp-udp-space>
  <crtp-max-period>
    crtp-max-period
  </crtp-max-period>
  <crtp-max-time>
    crtp-max-time
  </crtp-max-time>
  <crtp-rtp-queues>
    crtp-rtp-queues
  </crtp-rtp-queues>
</crtp-config-info-entry>
```

**Description** Compressed Real-Time Protocol information

### <crtp-counter-table>

**Usage**

```
<crtp-counter-table>
```

```

<crtp-counter-name>
  crtp-counter-name
</crtp-counter-name>
<crtp-counter-received>
  crtp-counter-received
</crtp-counter-received>
<crtp-counter-transmit>
  crtp-counter-transmit
</crtp-counter-transmit>
</crtp-counter-table>

```

#### Description

### <crtp-flow-entry>

#### Usage

```

<crtp-flow-entry>
  <crtp-flow-context-id>
    crtp-flow-context-id
  </crtp-flow-context-id>
  <crtp-flow-rtp-id>
    crtp-flow-rtp-id
  </crtp-flow-rtp-id>
  <crtp-flow-source-info>
    crtp-flow-source-info
  </crtp-flow-source-info>
  <crtp-flow-destination-info>
    crtp-flow-destination-info
  </crtp-flow-destination-info>
  <crtp-flow-type>
    crtp-flow-type
  </crtp-flow-type>
</crtp-flow-entry>

```

**Description** CRTP flow information

### <crtp-flow-entry>

#### Usage

```

<crtp-per-interface-flow-table>
  <service-crtp-flow-table>
    <crtp-flow-entry>
      <crtp-flow-context-id>
        crtp-flow-context-id
      </crtp-flow-context-id>
      <crtp-flow-rtp-id>
        crtp-flow-rtp-id
      </crtp-flow-rtp-id>
      <crtp-flow-source-info>
        crtp-flow-source-info
      </crtp-flow-source-info>
      <crtp-flow-destination-info>
        crtp-flow-destination-info
    </crtp-flow-entry>
  </service-crtp-flow-table>
</crtp-per-interface-flow-table>

```

```
</crtp-flow-destination-info>
<crtp-flow-type>
  crtp-flow-type
</crtp-flow-type>
</crtp-flow-entry>
</service-crtp-flow-table>
</crtp-per-interface-flow-table>
```

**Description** CRTP flow information

### <crtp-flow-entry>

#### Usage

```
<service-crtp-flow-table-information>
<crtp-per-interface-flow-table>
<service-crtp-flow-table>
<crtp-flow-entry>
  <crtp-flow-context-id>
    crtp-flow-context-id
  </crtp-flow-context-id>
  <crtp-flow-rtp-id>
    crtp-flow-rtp-id
  </crtp-flow-rtp-id>
  <crtp-flow-source-info>
    crtp-flow-source-info
  </crtp-flow-source-info>
  <crtp-flow-destination-info>
    crtp-flow-destination-info
  </crtp-flow-destination-info>
  <crtp-flow-type>
    crtp-flow-type
  </crtp-flow-type>
</crtp-flow-entry>
</service-crtp-flow-table>
</crtp-per-interface-flow-table>
</service-crtp-flow-table-information>
```

**Description** CRTP flow information

### <crtp-ip-counter-table>

#### Usage

```
<crtp-ip-counter-table>
<crtp-ip-counter-name>
  crtp-ip-counter-name
</crtp-ip-counter-name>
<crtp-ip-counter-received>
  crtp-ip-counter-received
</crtp-ip-counter-received>
<crtp-ip-counter-transmit>
  crtp-ip-counter-transmit
</crtp-ip-counter-transmit>
```



```
</crtp-ip-counter-table>
```

#### Description

### <crtp-per-interface-flow-table>

#### Usage

```
<crtp-per-interface-flow-table>
  <interface-name>
    interface-name
  </interface-name>
  <service-crtp-flow-table>....</service-crtp-flow-table>
</crtp-per-interface-flow-table>
```

**Description** CRTP flows sorted by interface

### <crtp-per-interface-flow-table>

#### Usage

```
<service-crtp-flow-table-information>
  <crtp-per-interface-flow-table>
    <interface-name>
      interface-name
    </interface-name>
    <service-crtp-flow-table>....</service-crtp-flow-table>
  </crtp-per-interface-flow-table>
</service-crtp-flow-table-information>
```

**Description** CRTP flows sorted by interface

### <crtp-stats-entry>

#### Usage

```
<crtp-stats-entry>
  <crtp-compression-ratio>
    crtp-compression-ratio
  </crtp-compression-ratio>
  <crtp-decompression-ratio>
    crtp-decompression-ratio
  </crtp-decompression-ratio>
  <crtp-sessions-rx>
    crtp-sessions-rx
  </crtp-sessions-rx>
  <crtp-sessions-tx>
    crtp-sessions-tx
  </crtp-sessions-tx>
  <crtp-compressed-rx>
    crtp-compressed-rx
  </crtp-compressed-rx>
  <crtp-compressed-tx>
    crtp-compressed-tx
```

```
</crtp-compressed-tx>
<crtp-discards>
  crtp-discards
</crtp-discards>
</crtp-stats-entry>
```

**Description** CRTP statistics

## <drop\_counters>

### Usage

```
<sfw-stats-service-set-entry>
  <drop_counters>
    <ip-option>
      ip-option
    </ip-option>
    <syn-defense>
      syn-defense
    </syn-defense>
    <nat-ports-exhausted>
      nat-ports-exhausted
    </nat-ports-exhausted>
  </drop_counters>
</sfw-stats-service-set-entry>
```

**Description** Drop counters (rules or resource exhaustion)

## <drop\_counters>

### Usage

```
<service-sfw-statistics-information>
  <service-sfw-statistics-entry>
    <sfw-stats-service-set-entry>
      <drop_counters>
        <ip-option>
          ip-option
        </ip-option>
        <syn-defense>
          syn-defense
        </syn-defense>
        <nat-ports-exhausted>
          nat-ports-exhausted
        </nat-ports-exhausted>
      </drop_counters>
    </sfw-stats-service-set-entry>
  </service-sfw-statistics-entry>
</service-sfw-statistics-information>
```

**Description** Drop counters (rules or resource exhaustion)

**<error-counters>****Usage**

```

<sfw-stats-service-set-entry>
  <error-counters>
    <ip-errors>
      ip-errors
    </ip-errors>
    <tcp-errors>
      tcp-errors
    </tcp-errors>
    <udp-errors>
      udp-errors
    </udp-errors>
    <icmp-errors>
      icmp-errors
    </icmp-errors>
    <non-ip-packets>
      non-ip-packets
    </non-ip-packets>
    <alg-errors>
      alg-errors
    </alg-errors>
  </error-counters>
</sfw-stats-service-set-entry>

```

**Description** Summarized protocol processing errors

**<error-counters>****Usage**

```

<service-sfw-statistics-information>
  <service-sfw-statistics-entry>
    <sfw-stats-service-set-entry>
      <error-counters>
        <ip-errors>
          ip-errors
        </ip-errors>
        <tcp-errors>
          tcp-errors
        </tcp-errors>
        <udp-errors>
          udp-errors
        </udp-errors>
        <icmp-errors>
          icmp-errors
        </icmp-errors>
        <non-ip-packets>
          non-ip-packets
        </non-ip-packets>
        <alg-errors>
          alg-errors
        </alg-errors>
      </error-counters>
    </sfw-stats-service-set-entry>
  </service-sfw-statistics-entry>
</service-sfw-statistics-information>

```

```
</error-counters>
</sfw-stats-service-set-entry>
</service-sfw-statistics-entry>
</service-sfw-statistics-information>
```

**Description** Summarized protocol processing errors

### <existing-flow-counters>

#### Usage

```
<sfw-stats-service-set-entry>
  <existing-flow-counters>
    <existing-flow-accepts>
      existing-flow-accepts
    </existing-flow-accepts>
    <existing-flow-discards>
      existing-flow-discards
    </existing-flow-discards>
    <existing-flow-rejects>
      existing-flow-rejects
    </existing-flow-rejects>
  </existing-flow-counters>
</sfw-stats-service-set-entry>
```

**Description** Existing flow counters

### <existing-flow-counters>

#### Usage

```
<service-sfw-statistics-information>
  <service-sfw-statistics-entry>
    <sfw-stats-service-set-entry>
      <existing-flow-counters>
        <existing-flow-accepts>
          existing-flow-accepts
        </existing-flow-accepts>
        <existing-flow-discards>
          existing-flow-discards
        </existing-flow-discards>
        <existing-flow-rejects>
          existing-flow-rejects
        </existing-flow-rejects>
      </existing-flow-counters>
    </sfw-stats-service-set-entry>
  </service-sfw-statistics-entry>
</service-sfw-statistics-information>
```

**Description** Existing flow counters

**<fast-update-filters-entry>****Usage**

```

<pgcpd-active-configuration>
  <fast-update-filters-entry>
    <max-terms>
      max-terms
    </max-terms>
    <max-term-percentage>
      max-term-percentage
    </max-term-percentage>
  </fast-update-filters-entry>
</pgcpd-active-configuration>

```

**Description** Firewall filters limitation

**<fast-update-filters-entry>****Usage**

```

<pgcpd-active-configuration>
  <gateway-entry>
    <fast-update-filters-entry>
      <max-terms>
        max-terms
      </max-terms>
      <max-term-percentage>
        max-term-percentage
      </max-term-percentage>
    </fast-update-filters-entry>
  </gateway-entry>
</pgcpd-active-configuration>

```

**Description** Firewall filters limitation

**<fast-update-filters-entry>****Usage**

```

<pgcpd-active-configuration>
  <pgcpd-config>
    <gateway-entry>
      <fast-update-filters-entry>
        <max-terms>
          max-terms
        </max-terms>
        <max-term-percentage>
          max-term-percentage
        </max-term-percentage>
      </fast-update-filters-entry>
    </gateway-entry>
  </pgcpd-config>
</pgcpd-active-configuration>

```

**Description** Firewall filters limitation

### <fast-update-filters-entry>

#### Usage

```
<service-pgcp-statistics-gateway>
  <gateway-entry>
    <fast-update-filters-entry>
      <max-terms>
        max-terms
      </max-terms>
      <max-term-percentage>
        max-term-percentage
      </max-term-percentage>
    </fast-update-filters-entry>
  </gateway-entry>
</service-pgcp-statistics-gateway>
```

**Description** Firewall filters limitation

### <fast-update-filters-entry>

#### Usage

```
<service-pgcp-terminations>
  <gateway-entry>
    <fast-update-filters-entry>
      <max-terms>
        max-terms
      </max-terms>
      <max-term-percentage>
        max-term-percentage
      </max-term-percentage>
    </fast-update-filters-entry>
  </gateway-entry>
</service-pgcp-terminations>
```

**Description** Firewall filters limitation

### <fast-update-filters-entry>

#### Usage

```
<service-pgcp-gates>
  <gateway-entry>
    <fast-update-filters-entry>
      <max-terms>
        max-terms
      </max-terms>
      <max-term-percentage>
        max-term-percentage
      </max-term-percentage>
    </fast-update-filters-entry>
  </gateway-entry>
```

```
</service-pgcp-gates>
```

**Description** Firewall filters limitation

### <firewall-entry>

#### Usage

```
<pgcpd-active-configuration>
<firewall-entry>
  <connection-status>
    connection-status
  </connection-status>
  <number-of-terms>
    number-of-terms
  </number-of-terms>
  <number-of-filters>
    number-of-filters
  </number-of-filters>
</firewall-entry>
</pgcpd-active-configuration>
```

#### Description

### <firewall-entry>

#### Usage

```
<pgcpd-active-configuration>
<pgcpd-config>
  <firewall-entry>
    <connection-status>
      connection-status
    </connection-status>
    <number-of-terms>
      number-of-terms
    </number-of-terms>
    <number-of-filters>
      number-of-filters
    </number-of-filters>
  </firewall-entry>
</pgcpd-config>
</pgcpd-active-configuration>
```

#### Description

### <flow-analysis-num-flows-sec-entry>

#### Usage

```
<flow-analysis-num-flows-sec-entry>
  <flow-operation>
    flow-operation
  </flow-operation>
  <num-flows-sec-50000-plus>
```

```
    num-flows-sec-50000-plus
  </num-flows-sec-50000-plus>
  <num-flows-sec-40000-50000>
    num-flows-sec-40000-50000
  </num-flows-sec-40000-50000>
  <num-flows-sec-30000-40000>
    num-flows-sec-30000-40000
  </num-flows-sec-30000-40000>
  <num-flows-sec-20000-30000>
    num-flows-sec-20000-30000
  </num-flows-sec-20000-30000>
  <num-flows-sec-10000-20000>
    num-flows-sec-10000-20000
  </num-flows-sec-10000-20000>
  <num-flows-sec-1000-10000>
    num-flows-sec-1000-10000
  </num-flows-sec-1000-10000>
  <num-flows-sec-1000-minus>
    num-flows-sec-1000-minus
  </num-flows-sec-1000-minus>
</flow-analysis-num-flows-sec-entry>
```

**Description**    Flow Rate Statistics

### <flow-analysis-num-flows-sec-entry>

#### Usage

```
<service-flow-analysis-information>
  <flow-analysis-num-flows-sec-entry>
    <flow-operation>
      flow-operation
    </flow-operation>
    <num-flows-sec-50000-plus>
      num-flows-sec-50000-plus
    </num-flows-sec-50000-plus>
    <num-flows-sec-40000-50000>
      num-flows-sec-40000-50000
    </num-flows-sec-40000-50000>
    <num-flows-sec-30000-40000>
      num-flows-sec-30000-40000
    </num-flows-sec-30000-40000>
    <num-flows-sec-20000-30000>
      num-flows-sec-20000-30000
    </num-flows-sec-20000-30000>
    <num-flows-sec-10000-20000>
      num-flows-sec-10000-20000
    </num-flows-sec-10000-20000>
    <num-flows-sec-1000-10000>
      num-flows-sec-1000-10000
    </num-flows-sec-1000-10000>
    <num-flows-sec-1000-minus>
      num-flows-sec-1000-minus
    </num-flows-sec-1000-minus>
  </flow-analysis-num-flows-sec-entry>
```



```
</service-flow-analysis-information>
```

**Description** Flow Rate Statistics

### <flow-analysis-num-flows-sec-samples-entry>

#### Usage

```
<flow-analysis-num-flows-sec-samples-entry>
  <num-flows-sec-samples>
    num-flows-sec-samples
  </num-flows-sec-samples>
</flow-analysis-num-flows-sec-samples-entry>
```

#### Description

### <flow-analysis-num-flows-sec-samples-entry>

#### Usage

```
<service-flow-analysis-information>
  <flow-analysis-num-flows-sec-samples-entry>
    <num-flows-sec-samples>
      num-flows-sec-samples
    </num-flows-sec-samples>
  </flow-analysis-num-flows-sec-samples-entry>
</service-flow-analysis-information>
```

#### Description

### <flow-analysis-protocol-lifetime-entry>

#### Usage

```
<flow-analysis-protocol-lifetime-entry>
  <flow-lifetime-240s-plus>
    flow-lifetime-240s-plus
  </flow-lifetime-240s-plus>
  <udp-flow-lifetime-240s-plus>
    udp-flow-lifetime-240s-plus
  </udp-flow-lifetime-240s-plus>
  <http-flow-lifetime-240s-plus>
    http-flow-lifetime-240s-plus
  </http-flow-lifetime-240s-plus>
  <flow-lifetime-120s-240s>
    flow-lifetime-120s-240s
  </flow-lifetime-120s-240s>
  <udp-flow-lifetime-120s-240s>
    udp-flow-lifetime-120s-240s
  </udp-flow-lifetime-120s-240s>
  <flow-lifetime-60s-120s>
    flow-lifetime-60s-120s
  </flow-lifetime-60s-120s>
  <udp-flow-lifetime-60s-120s>
    udp-flow-lifetime-60s-120s
```

```

</udp-flow-lifetime-60s-120s>
<flow-lifetime-30s-60s>
  flow-lifetime-30s-60s
</flow-lifetime-30s-60s>
<udp-flow-lifetime-30s-60s>
  udp-flow-lifetime-30s-60s
</udp-flow-lifetime-30s-60s>
<flow-lifetime-15s-30s>
  flow-lifetime-15s-30s
</flow-lifetime-15s-30s>
<udp-flow-lifetime-15s-30s>
  udp-flow-lifetime-15s-30s
</udp-flow-lifetime-15s-30s>
<flow-lifetime-5s-15s>
  flow-lifetime-5s-15s
</flow-lifetime-5s-15s>
<udp-flow-lifetime-5s-15s>
  udp-flow-lifetime-5s-15s
</udp-flow-lifetime-5s-15s>
<flow-lifetime-1s-5s>
  flow-lifetime-1s-5s
</flow-lifetime-1s-5s>
<udp-flow-lifetime-1s-5s>
  udp-flow-lifetime-1s-5s
</udp-flow-lifetime-1s-5s>
<flow-lifetime-1s-minus>
  flow-lifetime-1s-minus
</flow-lifetime-1s-minus>
<udp-flow-lifetime-1s-minus>
  udp-flow-lifetime-1s-minus
</udp-flow-lifetime-1s-minus>
</flow-analysis-protocol-lifetime-entry>

```

**Description** Flow Analysis Protocol Lifetime Statistics

## <flow-analysis-protocol-lifetime-entry>

### Usage

```

<service-flow-analysis-information>
  <flow-analysis-protocol-lifetime-entry>
    <flow-lifetime-240s-plus>
      flow-lifetime-240s-plus
    </flow-lifetime-240s-plus>
    <udp-flow-lifetime-240s-plus>
      udp-flow-lifetime-240s-plus
    </udp-flow-lifetime-240s-plus>
    <http-flow-lifetime-240s-plus>
      http-flow-lifetime-240s-plus
    </http-flow-lifetime-240s-plus>
    <flow-lifetime-120s-240s>
      flow-lifetime-120s-240s
    </flow-lifetime-120s-240s>
    <udp-flow-lifetime-120s-240s>
      udp-flow-lifetime-120s-240s

```

```

</udp-flow-lifetime-120s-240s>
<flow-lifetime-60s-120s>
  flow-lifetime-60s-120s
</flow-lifetime-60s-120s>
<udp-flow-lifetime-60s-120s>
  udp-flow-lifetime-60s-120s
</udp-flow-lifetime-60s-120s>
<flow-lifetime-30s-60s>
  flow-lifetime-30s-60s
</flow-lifetime-30s-60s>
<udp-flow-lifetime-30s-60s>
  udp-flow-lifetime-30s-60s
</udp-flow-lifetime-30s-60s>
<flow-lifetime-15s-30s>
  flow-lifetime-15s-30s
</flow-lifetime-15s-30s>
<udp-flow-lifetime-15s-30s>
  udp-flow-lifetime-15s-30s
</udp-flow-lifetime-15s-30s>
<flow-lifetime-5s-15s>
  flow-lifetime-5s-15s
</flow-lifetime-5s-15s>
<udp-flow-lifetime-5s-15s>
  udp-flow-lifetime-5s-15s
</udp-flow-lifetime-5s-15s>
<flow-lifetime-1s-5s>
  flow-lifetime-1s-5s
</flow-lifetime-1s-5s>
<udp-flow-lifetime-1s-5s>
  udp-flow-lifetime-1s-5s
</udp-flow-lifetime-1s-5s>
<flow-lifetime-1s-minus>
  flow-lifetime-1s-minus
</flow-lifetime-1s-minus>
<udp-flow-lifetime-1s-minus>
  udp-flow-lifetime-1s-minus
</udp-flow-lifetime-1s-minus>
</flow-analysis-protocol-lifetime-entry>
</service-flow-analysis-information>

```

**Description** Flow Analysis Protocol Lifetime Statistics

### <flow-analysis-statistics-entry>

#### Usage

```

<flow-analysis-statistics-entry>
  <num-total-flows-active>
    num-total-flows-active
  </num-total-flows-active>
  <num-total-tcp-flows-active>
    num-total-tcp-flows-active
  </num-total-tcp-flows-active>
  <num-total-udp-flows-active>
    num-total-udp-flows-active

```

```
</num-total-udp-flows-active>
<num-total-other-flows-active>
  num-total-other-flows-active
</num-total-other-flows-active>
<num-created-flows-per-sec>
  num-created-flows-per-sec
</num-created-flows-per-sec>
<num-deleted-flows-per-sec>
  num-deleted-flows-per-sec
</num-deleted-flows-per-sec>
<peak-total-flows-active>
  peak-total-flows-active
</peak-total-flows-active>
<peak-total-tcp-flows-active>
  peak-total-tcp-flows-active
</peak-total-tcp-flows-active>
<peak-total-udp-flows-active>
  peak-total-udp-flows-active
</peak-total-udp-flows-active>
<peak-total-other-flows-active>
  peak-total-other-flows-active
</peak-total-other-flows-active>
<peak-created-flows-per-second>
  peak-created-flows-per-second
</peak-created-flows-per-second>
<peak-deleted-flows-per-second>
  peak-deleted-flows-per-second
</peak-deleted-flows-per-second>
<cul-mov-avg-http-flow-lifetime>
  cul-mov-avg-http-flow-lifetime
</cul-mov-avg-http-flow-lifetime>
<pkts-received>
  pkts-received
</pkts-received>
<pkts-transmitted>
  pkts-transmitted
</pkts-transmitted>
<slow-path-forward>
  slow-path-forward
</slow-path-forward>
<slow-path-discard>
  slow-path-discard
</slow-path-discard>
</flow-analysis-statistics-entry>
```

**Description**    Flow Analysis Statistics

### <flow-analysis-statistics-entry>

#### Usage

```
<service-flow-analysis-information>
  <flow-analysis-statistics-entry>
    <num-total-flows-active>
      num-total-flows-active
```

```

</num-total-flows-active>
<num-total-tcp-flows-active>
  num-total-tcp-flows-active
</num-total-tcp-flows-active>
<num-total-udp-flows-active>
  num-total-udp-flows-active
</num-total-udp-flows-active>
<num-total-other-flows-active>
  num-total-other-flows-active
</num-total-other-flows-active>
<num-created-flows-per-sec>
  num-created-flows-per-sec
</num-created-flows-per-sec>
<num-deleted-flows-per-sec>
  num-deleted-flows-per-sec
</num-deleted-flows-per-sec>
<peak-total-flows-active>
  peak-total-flows-active
</peak-total-flows-active>
<peak-total-tcp-flows-active>
  peak-total-tcp-flows-active
</peak-total-tcp-flows-active>
<peak-total-udp-flows-active>
  peak-total-udp-flows-active
</peak-total-udp-flows-active>
<peak-total-other-flows-active>
  peak-total-other-flows-active
</peak-total-other-flows-active>
<peak-created-flows-per-second>
  peak-created-flows-per-second
</peak-created-flows-per-second>
<peak-deleted-flows-per-second>
  peak-deleted-flows-per-second
</peak-deleted-flows-per-second>
<cul-mov-avg-http-flow-lifetime>
  cul-mov-avg-http-flow-lifetime
</cul-mov-avg-http-flow-lifetime>
<pkts-received>
  pkts-received
</pkts-received>
<pkts-transmitted>
  pkts-transmitted
</pkts-transmitted>
<slow-path-forward>
  slow-path-forward
</slow-path-forward>
<slow-path-discard>
  slow-path-discard
</slow-path-discard>
</flow-analysis-statistics-entry>
</service-flow-analysis-information>

```

**Description** Flow Analysis Statistics

## <flow-analysis-statistics-pic-info>

### Usage

```
<flow-analysis-statistics-pic-info>
  <pic-name>
    pic-name
  </pic-name>
</flow-analysis-statistics-pic-info>
```

### Description

## <flow-analysis-statistics-pic-info>

### Usage

```
<service-flow-analysis-information>
  <flow-analysis-statistics-pic-info>
    <pic-name>
      pic-name
    </pic-name>
  </flow-analysis-statistics-pic-info>
</service-flow-analysis-information>
```

### Description

## <flow-analysis-statistics-pic-info>

### Usage

```
<service-software-6rd-statistics-information>
  <flow-analysis-statistics-pic-info>
    <pic-name>
      pic-name
    </pic-name>
  </flow-analysis-statistics-pic-info>
</service-software-6rd-statistics-information>
```

### Description

## <flow-analysis-statistics-pic-info>

### Usage

```
<service-software-dslite-statistics-information>
  <flow-analysis-statistics-pic-info>
    <pic-name>
      pic-name
    </pic-name>
  </flow-analysis-statistics-pic-info>
</service-software-dslite-statistics-information>
```

### Description

## &lt;flow-table-statistics&gt;

## Usage

```

<flow-table-statistics>
  <interface-name>
    interface-name
  </interface-name>
  <flow-tables>
    flow-tables
  </flow-tables>
  <flow>
    flow
  </flow>
  <flow-peak>
    flow-peak
  </flow-peak>
  <flow-tcp>
    flow-tcp
  </flow-tcp>
  <flow-tcp-peak>
    flow-tcp-peak
  </flow-tcp-peak>
  <flow-udp>
    flow-udp
  </flow-udp>
  <flow-udp-peak>
    flow-udp-peak
  </flow-udp-peak>
  <flow-created>
    flow-created
  </flow-created>
  <flow-freed>
    flow-freed
  </flow-freed>
  <flow-freed-idle>
    flow-freed-idle
  </flow-freed-idle>
  <flow-tcp-created>
    flow-tcp-created
  </flow-tcp-created>
  <flow-tcp-freed>
    flow-tcp-freed
  </flow-tcp-freed>
  <flow-tcp-freed-idle>
    flow-tcp-freed-idle
  </flow-tcp-freed-idle>
  <flow-udp-created>
    flow-udp-created
  </flow-udp-created>
  <flow-udp-freed>
    flow-udp-freed
  </flow-udp-freed>
  <flow-udp-freed-idle>
    flow-udp-freed-idle
  </flow-udp-freed-idle>

```

```
<flow-packets-processed>
  flow-packets-processed
</flow-packets-processed>
<flow-packets-errored>
  flow-packets-errored
</flow-packets-errored>
<flow-bytes-processed>
  flow-bytes-processed
</flow-bytes-processed>
<flow-byte-errored>
  flow-byte-errored
</flow-byte-errored>
<flow-tcp-packets-processed>
  flow-tcp-packets-processed
</flow-tcp-packets-processed>
<flow-tcp-packets-errored>
  flow-tcp-packets-errored
</flow-tcp-packets-errored>
<flow-tcp-packets-errored-bad-flow>
  flow-tcp-packets-errored-bad-flow
</flow-tcp-packets-errored-bad-flow>
<flow-tcp-bytes-processed>
  flow-tcp-bytes-processed
</flow-tcp-bytes-processed>
<flow-tcp-bytes-errored>
  flow-tcp-bytes-errored
</flow-tcp-bytes-errored>
<flow-udp-packets-processed>
  flow-udp-packets-processed
</flow-udp-packets-processed>
<flow-udp-packets-errored>
  flow-udp-packets-errored
</flow-udp-packets-errored>
<flow-udp-packets-errored-bad-flow>
  flow-udp-packets-errored-bad-flow
</flow-udp-packets-errored-bad-flow>
<flow-udp-bytes-processed>
  flow-udp-bytes-processed
</flow-udp-bytes-processed>
<flow-udp-bytes-errored>
  flow-udp-bytes-errored
</flow-udp-bytes-errored>
<flow-icmp-packets-processed>
  flow-icmp-packets-processed
</flow-icmp-packets-processed>
<flow-icmp-packets-errored>
  flow-icmp-packets-errored
</flow-icmp-packets-errored>
<flow-icmp-packets-errored-bad-flow>
  flow-icmp-packets-errored-bad-flow
</flow-icmp-packets-errored-bad-flow>
<flow-icmp-bytes-processed>
  flow-icmp-bytes-processed
</flow-icmp-bytes-processed>
<flow-icmp-bytes-errored>
  flow-icmp-bytes-errored
```



```

    </flow-icmp-bytes-errored>
  </flow-table-statistics>

```

**Description** Statistics for one or more flow tables

## <flow-table-statistics>

### Usage

```

<flow-table-statistics-information>
  <flow-table-statistics>
    <interface-name>
      interface-name
    </interface-name>
    <flow-tables>
      flow-tables
    </flow-tables>
    <flow>
      flow
    </flow>
    <flow-peak>
      flow-peak
    </flow-peak>
    <flow-tcp>
      flow-tcp
    </flow-tcp>
    <flow-tcp-peak>
      flow-tcp-peak
    </flow-tcp-peak>
    <flow-udp>
      flow-udp
    </flow-udp>
    <flow-udp-peak>
      flow-udp-peak
    </flow-udp-peak>
    <flow-created>
      flow-created
    </flow-created>
    <flow-freed>
      flow-freed
    </flow-freed>
    <flow-freed-idle>
      flow-freed-idle
    </flow-freed-idle>
    <flow-tcp-created>
      flow-tcp-created
    </flow-tcp-created>
    <flow-tcp-freed>
      flow-tcp-freed
    </flow-tcp-freed>
    <flow-tcp-freed-idle>
      flow-tcp-freed-idle
    </flow-tcp-freed-idle>
    <flow-udp-created>
      flow-udp-created

```

```
</flow-udp-created>
<flow-udp-freed>
  flow-udp-freed
</flow-udp-freed>
<flow-udp-freed-idle>
  flow-udp-freed-idle
</flow-udp-freed-idle>
<flow-packets-processed>
  flow-packets-processed
</flow-packets-processed>
<flow-packets-errored>
  flow-packets-errored
</flow-packets-errored>
<flow-bytes-processed>
  flow-bytes-processed
</flow-bytes-processed>
<flow-byte-errored>
  flow-byte-errored
</flow-byte-errored>
<flow-tcp-packets-processed>
  flow-tcp-packets-processed
</flow-tcp-packets-processed>
<flow-tcp-packets-errored>
  flow-tcp-packets-errored
</flow-tcp-packets-errored>
<flow-tcp-packets-errored-bad-flow>
  flow-tcp-packets-errored-bad-flow
</flow-tcp-packets-errored-bad-flow>
<flow-tcp-bytes-processed>
  flow-tcp-bytes-processed
</flow-tcp-bytes-processed>
<flow-tcp-bytes-errored>
  flow-tcp-bytes-errored
</flow-tcp-bytes-errored>
<flow-udp-packets-processed>
  flow-udp-packets-processed
</flow-udp-packets-processed>
<flow-udp-packets-errored>
  flow-udp-packets-errored
</flow-udp-packets-errored>
<flow-udp-packets-errored-bad-flow>
  flow-udp-packets-errored-bad-flow
</flow-udp-packets-errored-bad-flow>
<flow-udp-bytes-processed>
  flow-udp-bytes-processed
</flow-udp-bytes-processed>
<flow-udp-bytes-errored>
  flow-udp-bytes-errored
</flow-udp-bytes-errored>
<flow-icmp-packets-processed>
  flow-icmp-packets-processed
</flow-icmp-packets-processed>
<flow-icmp-packets-errored>
  flow-icmp-packets-errored
</flow-icmp-packets-errored>
<flow-icmp-packets-errored-bad-flow>
```

```

        flow-icmp-packets-errored-bad-flow
      </flow-icmp-packets-errored-bad-flow>
    <flow-icmp-bytes-processed>
      flow-icmp-bytes-processed
    </flow-icmp-bytes-processed>
    <flow-icmp-bytes-errored>
      flow-icmp-bytes-errored
    </flow-icmp-bytes-errored>
  </flow-table-statistics>
</flow-table-statistics-information>

```

**Description** Statistics for one or more flow tables

### <flow-table-statistics-information>

#### Usage

```

<flow-table-statistics-information>
  <flow-table-statistics>....</flow-table-statistics>
</flow-table-statistics-information>

```

#### Description

### <fragmenter-entries>

#### Usage

```

<lsqinfo-cpu-usage-information>
  <fragmenter-entries>
    <fragmenter-entry>....</fragmenter-entry>
  </fragmenter-entries>
</lsqinfo-cpu-usage-information>

```

#### Description

### <fragmenter-entry>

#### Usage

```

<lsqinfo-cpu-usage-information>
  <fragmenter-entries>
    <fragmenter-entry>
      <cpu-name>
        cpu-name
      </cpu-name>
      <idle>
        idle
      </idle>
      <timer>
        timer
      </timer>
      <system>
        system
      </system>
    </fragmenter-entry>
  </fragmenter-entries>
</lsqinfo-cpu-usage-information>

```

```
    freeback
  </freeback>
  <drop>
    drop
  </drop>
  <fragmentation>
    fragmentation
  </fragmentation>
  <reassembly>
    reassembly
  </reassembly>
</fragmenter-entry>
</fragmenter-entries>
</lsqinfo-cpu-usage-information>
```

**Description** Fragmentation CPU usage information

### <gate-fuf-statistics-information>

#### Usage

```
<gate-fuf-statistics-information>
  <gate-fuf-policer-drop-count>
    gate-fuf-policer-drop-count
  </gate-fuf-policer-drop-count>
</gate-fuf-statistics-information>
```

**Description** FUF statistics

### <gate-fuf-statistics-information>

#### Usage

```
<service-pgcp-gate-entry-information>
  <gate-fuf-statistics-information>
    <gate-fuf-policer-drop-count>
      gate-fuf-policer-drop-count
    </gate-fuf-policer-drop-count>
  </gate-fuf-statistics-information>
</service-pgcp-gate-entry-information>
```

**Description** FUF statistics

### <gate-fuf-statistics-information>

#### Usage

```
<service-pgcp-gates>
  <service-pgcp-gate-entry-information>
    <gate-fuf-statistics-information>
      <gate-fuf-policer-drop-count>
        gate-fuf-policer-drop-count
      </gate-fuf-policer-drop-count>
    </gate-fuf-statistics-information>
  </service-pgcp-gate-entry-information>
</service-pgcp-gates>
```

```

    </service-pgcp-gate-entry-information>
  </service-pgcp-gates>

```

**Description** FUF statistics

### <gate-rtcp-extended-burst-metrics-report>

#### Usage

```

<gate-rtcp-extended-information>
  <gate-rtcp-extended-burst-metrics-report>
    <minimum-gap-threshold>
      minimum-gap-threshold
    </minimum-gap-threshold>
    <burst-loss-density>
      burst-loss-density
    </burst-loss-density>
    <burst-duration>
      burst-duration
    </burst-duration>
    <gap-loss-density>
      gap-loss-density
    </gap-loss-density>
    <gap-duration>
      gap-duration
    </gap-duration>
  </gate-rtcp-extended-burst-metrics-report>
</gate-rtcp-extended-information>

```

#### Description

### <gate-rtcp-extended-burst-metrics-report>

#### Usage

```

<gate-rtcp-information>
  <gate-rtcp-extended-information>
    <gate-rtcp-extended-burst-metrics-report>
      <minimum-gap-threshold>
        minimum-gap-threshold
      </minimum-gap-threshold>
      <burst-loss-density>
        burst-loss-density
      </burst-loss-density>
      <burst-duration>
        burst-duration
      </burst-duration>
      <gap-loss-density>
        gap-loss-density
      </gap-loss-density>
      <gap-duration>
        gap-duration
      </gap-duration>
    </gate-rtcp-extended-burst-metrics-report>
  </gate-rtcp-extended-information>

```

```
</gate-rtcp-information>
```

#### Description

### <gate-rtcp-extended-burst-metrics-report>

#### Usage

```
<service-pgcp-gate-entry-information>
  <gate-rtcp-information>
    <gate-rtcp-extended-information>
      <gate-rtcp-extended-burst-metrics-report>
        <minimum-gap-threshold>
          minimum-gap-threshold
        </minimum-gap-threshold>
        <burst-loss-density>
          burst-loss-density
        </burst-loss-density>
        <burst-duration>
          burst-duration
        </burst-duration>
        <gap-loss-density>
          gap-loss-density
        </gap-loss-density>
        <gap-duration>
          gap-duration
        </gap-duration>
      </gate-rtcp-extended-burst-metrics-report>
    </gate-rtcp-extended-information>
  </gate-rtcp-information>
</service-pgcp-gate-entry-information>
```

#### Description

### <gate-rtcp-extended-burst-metrics-report>

#### Usage

```
<service-pgcp-gates>
  <service-pgcp-gate-entry-information>
    <gate-rtcp-information>
      <gate-rtcp-extended-information>
        <gate-rtcp-extended-burst-metrics-report>
          <minimum-gap-threshold>
            minimum-gap-threshold
          </minimum-gap-threshold>
          <burst-loss-density>
            burst-loss-density
          </burst-loss-density>
          <burst-duration>
            burst-duration
          </burst-duration>
          <gap-loss-density>
            gap-loss-density
          </gap-loss-density>
          <gap-duration>
```

```

        gap-duration
      </gap-duration>
    </gate-rtcp-extended-burst-metrics-report>
  </gate-rtcp-extended-information>
</gate-rtcp-information>
</service-pgcp-gate-entry-information>
</service-pgcp-gates>

```

#### Description

### <gate-rtcp-extended-information>

#### Usage

```

<gate-rtcp-extended-information>
  <gate-rtcp-extended-report>....</gate-rtcp-extended-report>

  <gate-rtcp-extended-burst-metrics-report>....</gate-rtcp-extended-burst-metrics-report>

</gate-rtcp-extended-information>

```

**Description** RTCP extended report

### <gate-rtcp-extended-information>

#### Usage

```

<gate-rtcp-information>
  <gate-rtcp-extended-information>
    <gate-rtcp-extended-report>....</gate-rtcp-extended-report>

    <gate-rtcp-extended-burst-metrics-report>....</gate-rtcp-extended-burst-metrics-report>

  </gate-rtcp-extended-information>
</gate-rtcp-information>

```

**Description** RTCP extended report

### <gate-rtcp-extended-information>

#### Usage

```

<service-pgcp-gate-entry-information>
  <gate-rtcp-information>
    <gate-rtcp-extended-information>
      <gate-rtcp-extended-report>....</gate-rtcp-extended-report>

      <gate-rtcp-extended-burst-metrics-report>....</gate-rtcp-extended-burst-metrics-report>

    </gate-rtcp-extended-information>
  </gate-rtcp-information>
</service-pgcp-gate-entry-information>

```

**Description**    RTCP extended report

### <gate-rtcp-extended-information>

**Usage**

```
<service-pgcp-gates>
  <service-pgcp-gate-entry-information>
    <gate-rtcp-information>
      <gate-rtcp-extended-information>
        <gate-rtcp-extended-report>....</gate-rtcp-extended-report>

        <gate-rtcp-extended-burst-metrics-report>....</gate-rtcp-extended-burst-metrics-report>

      </gate-rtcp-extended-information>
    </gate-rtcp-information>
  </service-pgcp-gate-entry-information>
</service-pgcp-gates>
```

**Description**    RTCP extended report

### <gate-rtcp-extended-report>

**Usage**

```
<gate-rtcp-extended-information>
  <gate-rtcp-extended-report>
    <rtcp-xr-ssrc>
      rtcp-xr-ssrc
    </rtcp-xr-ssrc>
    <packet-loss-concealment-type>
      packet-loss-concealment-type
    </packet-loss-concealment-type>
    <network-packet-loss-rate>
      network-packet-loss-rate
    </network-packet-loss-rate>
    <jitter-buffer-discard-rate>
      jitter-buffer-discard-rate
    </jitter-buffer-discard-rate>
    <rtcp-round-trip-delay>
      rtcp-round-trip-delay
    </rtcp-round-trip-delay>
    <end-system-delay>
      end-system-delay
    </end-system-delay>
    <signal-level>
      signal-level
    </signal-level>
    <noise-level>
      noise-level
    </noise-level>
    <residual-echo-return-loss>
      residual-echo-return-loss
    </residual-echo-return-loss>
    <r-factor>
```



```

    r-factor
  </r-factor>
  <external-r-factor>
    external-r-factor
  </external-r-factor>
  <estimated-moslq>
    estimated-moslq
  </estimated-moslq>
  <estimated-moscq>
    estimated-moscq
  </estimated-moscq>
</gate-rtcp-extended-report>
</gate-rtcp-extended-information>

```

## Description

### <gate-rtcp-extended-report>

#### Usage

```

<gate-rtcp-information>
  <gate-rtcp-extended-information>
    <gate-rtcp-extended-report>
      <rtcp-xr-ssrc>
        rtcp-xr-ssrc
      </rtcp-xr-ssrc>
      <packet-loss-concealment-type>
        packet-loss-concealment-type
      </packet-loss-concealment-type>
      <network-packet-loss-rate>
        network-packet-loss-rate
      </network-packet-loss-rate>
      <jitter-buffer-discard-rate>
        jitter-buffer-discard-rate
      </jitter-buffer-discard-rate>
      <rtcp-round-trip-delay>
        rtcp-round-trip-delay
      </rtcp-round-trip-delay>
      <end-system-delay>
        end-system-delay
      </end-system-delay>
      <signal-level>
        signal-level
      </signal-level>
      <noise-level>
        noise-level
      </noise-level>
      <residual-echo-return-loss>
        residual-echo-return-loss
      </residual-echo-return-loss>
      <r-factor>
        r-factor
      </r-factor>
      <external-r-factor>
        external-r-factor
      </external-r-factor>
    </gate-rtcp-extended-report>
  </gate-rtcp-extended-information>
</gate-rtcp-information>

```

```
<estimated-moslq>
  estimated-moslq
</estimated-moslq>
<estimated-moscq>
  estimated-moscq
</estimated-moscq>
</gate-rtcp-extended-report>
</gate-rtcp-extended-information>
</gate-rtcp-information>
```

## Description

### <gate-rtcp-extended-report>

#### Usage

```
<service-pgcp-gate-entry-information>
  <gate-rtcp-information>
    <gate-rtcp-extended-information>
      <gate-rtcp-extended-report>
        <rtcp-xr-ssrc>
          rtcp-xr-ssrc
        </rtcp-xr-ssrc>
        <packet-loss-concealment-type>
          packet-loss-concealment-type
        </packet-loss-concealment-type>
        <network-packet-loss-rate>
          network-packet-loss-rate
        </network-packet-loss-rate>
        <jitter-buffer-discard-rate>
          jitter-buffer-discard-rate
        </jitter-buffer-discard-rate>
        <rtcp-round-trip-delay>
          rtcp-round-trip-delay
        </rtcp-round-trip-delay>
        <end-system-delay>
          end-system-delay
        </end-system-delay>
        <signal-level>
          signal-level
        </signal-level>
        <noise-level>
          noise-level
        </noise-level>
        <residual-echo-return-loss>
          residual-echo-return-loss
        </residual-echo-return-loss>
        <r-factor>
          r-factor
        </r-factor>
        <external-r-factor>
          external-r-factor
        </external-r-factor>
        <estimated-moslq>
          estimated-moslq
        </estimated-moslq>
```

```

    <estimated-moscq>
      estimated-moscq
    </estimated-moscq>
  </gate-rtcp-extended-report>
</gate-rtcp-extended-information>
</gate-rtcp-information>
</service-pgcp-gate-entry-information>

```

## Description

### <gate-rtcp-extended-report>

#### Usage

```

<service-pgcp-gates>
  <service-pgcp-gate-entry-information>
    <gate-rtcp-information>
      <gate-rtcp-extended-information>
        <gate-rtcp-extended-report>
          <rtcp-xr-ssrc>
            rtcp-xr-ssrc
          </rtcp-xr-ssrc>
          <packet-loss-concealment-type>
            packet-loss-concealment-type
          </packet-loss-concealment-type>
          <network-packet-loss-rate>
            network-packet-loss-rate
          </network-packet-loss-rate>
          <jitter-buffer-discard-rate>
            jitter-buffer-discard-rate
          </jitter-buffer-discard-rate>
          <rtcp-round-trip-delay>
            rtcp-round-trip-delay
          </rtcp-round-trip-delay>
          <end-system-delay>
            end-system-delay
          </end-system-delay>
          <signal-level>
            signal-level
          </signal-level>
          <noise-level>
            noise-level
          </noise-level>
          <residual-echo-return-loss>
            residual-echo-return-loss
          </residual-echo-return-loss>
          <r-factor>
            r-factor
          </r-factor>
          <external-r-factor>
            external-r-factor
          </external-r-factor>
          <estimated-moslq>
            estimated-moslq
          </estimated-moslq>
          <estimated-moscq>

```

```
        estimated-moscq
      </estimated-moscq>
    </gate-rtcp-extended-report>
  </gate-rtcp-extended-information>
</gate-rtcp-information>
</service-pgcp-gate-entry-information>
</service-pgcp-gates>
```

#### Description

**<gate-rtcp-information>**

#### Usage

```
<gate-rtcp-information>
  <gate-rtcp-sender-information>....</gate-rtcp-sender-information>
  <gate-rtcp-receiver-information>....</gate-rtcp-receiver-information>
  <gate-rtcp-extended-information>....</gate-rtcp-extended-information>
</gate-rtcp-information>
```

#### Description

**<gate-rtcp-information>**

#### Usage

```
<service-pgcp-gate-entry-information>
  <gate-rtcp-information>
    <gate-rtcp-sender-information>....</gate-rtcp-sender-information>
    <gate-rtcp-receiver-information>....</gate-rtcp-receiver-information>
    <gate-rtcp-extended-information>....</gate-rtcp-extended-information>
  </gate-rtcp-information>
</service-pgcp-gate-entry-information>
```

#### Description

**<gate-rtcp-information>**

#### Usage

```
<service-pgcp-gates>
  <service-pgcp-gate-entry-information>
    <gate-rtcp-information>
      <gate-rtcp-sender-information>....</gate-rtcp-sender-information>
      <gate-rtcp-receiver-information>....</gate-rtcp-receiver-information>
      <gate-rtcp-extended-information>....</gate-rtcp-extended-information>
    </gate-rtcp-information>
  </service-pgcp-gate-entry-information>
</service-pgcp-gates>
```

#### Description

## <gate-rtcp-receiver-entry>

### Usage

```

<gate-rtcp-receiver-information>
  <gate-rtcp-receiver-entry>
    <gate-rtcp-received-ssrc>
      gate-rtcp-received-ssrc
    </gate-rtcp-received-ssrc>
    <gate-rtcp-receiver-lost-pkts>
      gate-rtcp-receiver-lost-pkts
    </gate-rtcp-receiver-lost-pkts>
    <gate-rtcp-receiver-lost-pkt-fraction>
      gate-rtcp-receiver-lost-pkt-fraction
    </gate-rtcp-receiver-lost-pkt-fraction>
    <gate-rtcp-receiver-jitter>
      gate-rtcp-receiver-jitter
    </gate-rtcp-receiver-jitter>
  </gate-rtcp-receiver-entry>
</gate-rtcp-receiver-information>

```

### Description

## <gate-rtcp-receiver-entry>

### Usage

```

<gate-rtcp-information>
  <gate-rtcp-receiver-information>
    <gate-rtcp-receiver-entry>
      <gate-rtcp-received-ssrc>
        gate-rtcp-received-ssrc
      </gate-rtcp-received-ssrc>
      <gate-rtcp-receiver-lost-pkts>
        gate-rtcp-receiver-lost-pkts
      </gate-rtcp-receiver-lost-pkts>
      <gate-rtcp-receiver-lost-pkt-fraction>
        gate-rtcp-receiver-lost-pkt-fraction
      </gate-rtcp-receiver-lost-pkt-fraction>
      <gate-rtcp-receiver-jitter>
        gate-rtcp-receiver-jitter
      </gate-rtcp-receiver-jitter>
    </gate-rtcp-receiver-entry>
  </gate-rtcp-receiver-information>
</gate-rtcp-information>

```

### Description

## <gate-rtcp-receiver-entry>

### Usage

```

<service-pgcp-gate-entry-information>
  <gate-rtcp-information>
    <gate-rtcp-receiver-information>
      <gate-rtcp-receiver-entry>

```

```
<gate-rtcp-received-ssrc>
  gate-rtcp-received-ssrc
</gate-rtcp-received-ssrc>
<gate-rtcp-receiver-lost-pkts>
  gate-rtcp-receiver-lost-pkts
</gate-rtcp-receiver-lost-pkts>
<gate-rtcp-receiver-lost-pkt-fraction>
  gate-rtcp-receiver-lost-pkt-fraction
</gate-rtcp-receiver-lost-pkt-fraction>
<gate-rtcp-receiver-jitter>
  gate-rtcp-receiver-jitter
</gate-rtcp-receiver-jitter>
</gate-rtcp-receiver-entry>
</gate-rtcp-receiver-information>
</gate-rtcp-information>
</service-pgcp-gate-entry-information>
```

#### Description

### <gate-rtcp-receiver-entry>

#### Usage

```
<service-pgcp-gates>
  <service-pgcp-gate-entry-information>
    <gate-rtcp-information>
      <gate-rtcp-receiver-information>
        <gate-rtcp-receiver-entry>
          <gate-rtcp-received-ssrc>
            gate-rtcp-received-ssrc
          </gate-rtcp-received-ssrc>
          <gate-rtcp-receiver-lost-pkts>
            gate-rtcp-receiver-lost-pkts
          </gate-rtcp-receiver-lost-pkts>
          <gate-rtcp-receiver-lost-pkt-fraction>
            gate-rtcp-receiver-lost-pkt-fraction
          </gate-rtcp-receiver-lost-pkt-fraction>
          <gate-rtcp-receiver-jitter>
            gate-rtcp-receiver-jitter
          </gate-rtcp-receiver-jitter>
        </gate-rtcp-receiver-entry>
      </gate-rtcp-receiver-information>
    </gate-rtcp-information>
  </service-pgcp-gate-entry-information>
</service-pgcp-gates>
```

#### Description

### <gate-rtcp-receiver-information>

#### Usage

```
<gate-rtcp-receiver-information>
  <gate-rtcp-receiver-entry>....</gate-rtcp-receiver-entry>
</gate-rtcp-receiver-information>
```

**Description** RTCP receiver reports

### <gate-rtcp-receiver-information>

#### Usage

```
<gate-rtcp-information>
  <gate-rtcp-receiver-information>
    <gate-rtcp-receiver-entry>....</gate-rtcp-receiver-entry>
  </gate-rtcp-receiver-information>
</gate-rtcp-information>
```

**Description** RTCP receiver reports

### <gate-rtcp-receiver-information>

#### Usage

```
<service-pgcp-gate-entry-information>
  <gate-rtcp-information>
    <gate-rtcp-receiver-information>
      <gate-rtcp-receiver-entry>....</gate-rtcp-receiver-entry>
    </gate-rtcp-receiver-information>
  </gate-rtcp-information>
</service-pgcp-gate-entry-information>
```

**Description** RTCP receiver reports

### <gate-rtcp-receiver-information>

#### Usage

```
<service-pgcp-gates>
  <service-pgcp-gate-entry-information>
    <gate-rtcp-information>
      <gate-rtcp-receiver-information>
        <gate-rtcp-receiver-entry>....</gate-rtcp-receiver-entry>
      </gate-rtcp-receiver-information>
    </gate-rtcp-information>
  </service-pgcp-gate-entry-information>
</service-pgcp-gates>
```

**Description** RTCP receiver reports

### <gate-rtcp-sender-information>

#### Usage

```
<gate-rtcp-sender-information>
  <gate-rtcp-sender-ssrc>
    gate-rtcp-sender-ssrc
  </gate-rtcp-sender-ssrc>
  <gate-rtcp-sender-octets>
    gate-rtcp-sender-octets
```

```
</gate-rtcp-sender-octets>
<gate-rtcp-sender-pkts>
  gate-rtcp-sender-pkts
</gate-rtcp-sender-pkts>
<gate-rtcp-invalid-pkts>
  gate-rtcp-invalid-pkts
</gate-rtcp-invalid-pkts>
</gate-rtcp-sender-information>
```

**Description** RTCP statistics

### <gate-rtcp-sender-information>

#### Usage

```
<gate-rtcp-information>
  <gate-rtcp-sender-information>
    <gate-rtcp-sender-ssrc>
      gate-rtcp-sender-ssrc
    </gate-rtcp-sender-ssrc>
    <gate-rtcp-sender-octets>
      gate-rtcp-sender-octets
    </gate-rtcp-sender-octets>
    <gate-rtcp-sender-pkts>
      gate-rtcp-sender-pkts
    </gate-rtcp-sender-pkts>
    <gate-rtcp-invalid-pkts>
      gate-rtcp-invalid-pkts
    </gate-rtcp-invalid-pkts>
  </gate-rtcp-sender-information>
</gate-rtcp-information>
```

**Description** RTCP statistics

### <gate-rtcp-sender-information>

#### Usage

```
<service-pgcp-gate-entry-information>
  <gate-rtcp-information>
    <gate-rtcp-sender-information>
      <gate-rtcp-sender-ssrc>
        gate-rtcp-sender-ssrc
      </gate-rtcp-sender-ssrc>
      <gate-rtcp-sender-octets>
        gate-rtcp-sender-octets
      </gate-rtcp-sender-octets>
      <gate-rtcp-sender-pkts>
        gate-rtcp-sender-pkts
      </gate-rtcp-sender-pkts>
      <gate-rtcp-invalid-pkts>
        gate-rtcp-invalid-pkts
      </gate-rtcp-invalid-pkts>
    </gate-rtcp-sender-information>
  </gate-rtcp-information>
</service-pgcp-gate-entry-information>
```



```

    </gate-rtcp-information>
  </service-pgcp-gate-entry-information>

```

**Description** RTCP statistics

### <gate-rtcp-sender-information>

#### Usage

```

<service-pgcp-gates>
  <service-pgcp-gate-entry-information>
    <gate-rtcp-information>
      <gate-rtcp-sender-information>
        <gate-rtcp-sender-ssrc>
          gate-rtcp-sender-ssrc
        </gate-rtcp-sender-ssrc>
        <gate-rtcp-sender-octets>
          gate-rtcp-sender-octets
        </gate-rtcp-sender-octets>
        <gate-rtcp-sender-pkts>
          gate-rtcp-sender-pkts
        </gate-rtcp-sender-pkts>
        <gate-rtcp-invalid-pkts>
          gate-rtcp-invalid-pkts
        </gate-rtcp-invalid-pkts>
      </gate-rtcp-sender-information>
    </gate-rtcp-information>
  </service-pgcp-gate-entry-information>
</service-pgcp-gates>

```

**Description** RTCP statistics

### <gate-srtcp-stats-information>

#### Usage

```

<gate-srtcp-stats-information>
  <gate-srtcp-encrypt-packets>
    gate-srtcp-encrypt-packets
  </gate-srtcp-encrypt-packets>
  <gate-srtcp-encrypt-octets>
    gate-srtcp-encrypt-octets
  </gate-srtcp-encrypt-octets>
  <gate-srtcp-decrypt-packets>
    gate-srtcp-decrypt-packets
  </gate-srtcp-decrypt-packets>
  <gate-srtcp-decrypt-octets>
    gate-srtcp-decrypt-octets
  </gate-srtcp-decrypt-octets>
  <gate-srtcp-auth-fail-packets>
    gate-srtcp-auth-fail-packets
  </gate-srtcp-auth-fail-packets>
  <gate-srtcp-auth-fail-octets>
    gate-srtcp-auth-fail-octets

```

```
</gate-srtcp-auth-fail-octets>
<gate-srtcp-bad-packet-packets>
  gate-srtcp-bad-packet-packets
</gate-srtcp-bad-packet-packets>
<gate-srtcp-replayed-packets>
  gate-srtcp-replayed-packets
</gate-srtcp-replayed-packets>
<gate-srtcp-ctx-lookup-fail-packets>
  gate-srtcp-ctx-lookup-fail-packets
</gate-srtcp-ctx-lookup-fail-packets>
<gate-srtcp-pkt-setup-fail-packets>
  gate-srtcp-pkt-setup-fail-packets
</gate-srtcp-pkt-setup-fail-packets>
</gate-srtcp-stats-information>
```

**Description** Srtcp encrypt and decrypt statistics

### <gate-srtcp-stats-information>

#### Usage

```
<service-pgcp-gate-entry-information>
  <gate-srtcp-stats-information>
    <gate-srtcp-encrypt-packets>
      gate-srtcp-encrypt-packets
    </gate-srtcp-encrypt-packets>
    <gate-srtcp-encrypt-octets>
      gate-srtcp-encrypt-octets
    </gate-srtcp-encrypt-octets>
    <gate-srtcp-decrypt-packets>
      gate-srtcp-decrypt-packets
    </gate-srtcp-decrypt-packets>
    <gate-srtcp-decrypt-octets>
      gate-srtcp-decrypt-octets
    </gate-srtcp-decrypt-octets>
    <gate-srtcp-auth-fail-packets>
      gate-srtcp-auth-fail-packets
    </gate-srtcp-auth-fail-packets>
    <gate-srtcp-auth-fail-octets>
      gate-srtcp-auth-fail-octets
    </gate-srtcp-auth-fail-octets>
    <gate-srtcp-bad-packet-packets>
      gate-srtcp-bad-packet-packets
    </gate-srtcp-bad-packet-packets>
    <gate-srtcp-replayed-packets>
      gate-srtcp-replayed-packets
    </gate-srtcp-replayed-packets>
    <gate-srtcp-ctx-lookup-fail-packets>
      gate-srtcp-ctx-lookup-fail-packets
    </gate-srtcp-ctx-lookup-fail-packets>
    <gate-srtcp-pkt-setup-fail-packets>
      gate-srtcp-pkt-setup-fail-packets
    </gate-srtcp-pkt-setup-fail-packets>
  </gate-srtcp-stats-information>
```

```
</service-pgcp-gate-entry-information>
```

**Description** Srtcp encrypt and decrypt statistics

### <gate-srtcp-stats-information>

#### Usage

```
<service-pgcp-gates>
  <service-pgcp-gate-entry-information>
    <gate-srtcp-stats-information>
      <gate-srtcp-encrypt-packets>
        gate-srtcp-encrypt-packets
      </gate-srtcp-encrypt-packets>
      <gate-srtcp-encrypt-octets>
        gate-srtcp-encrypt-octets
      </gate-srtcp-encrypt-octets>
      <gate-srtcp-decrypt-packets>
        gate-srtcp-decrypt-packets
      </gate-srtcp-decrypt-packets>
      <gate-srtcp-decrypt-octets>
        gate-srtcp-decrypt-octets
      </gate-srtcp-decrypt-octets>
      <gate-srtcp-auth-fail-packets>
        gate-srtcp-auth-fail-packets
      </gate-srtcp-auth-fail-packets>
      <gate-srtcp-auth-fail-octets>
        gate-srtcp-auth-fail-octets
      </gate-srtcp-auth-fail-octets>
      <gate-srtcp-bad-packet-packets>
        gate-srtcp-bad-packet-packets
      </gate-srtcp-bad-packet-packets>
      <gate-srtcp-replayed-packets>
        gate-srtcp-replayed-packets
      </gate-srtcp-replayed-packets>
      <gate-srtcp-ctx-lookup-fail-packets>
        gate-srtcp-ctx-lookup-fail-packets
      </gate-srtcp-ctx-lookup-fail-packets>
      <gate-srtcp-pkt-setup-fail-packets>
        gate-srtcp-pkt-setup-fail-packets
      </gate-srtcp-pkt-setup-fail-packets>
    </gate-srtcp-stats-information>
  </service-pgcp-gate-entry-information>
</service-pgcp-gates>
```

**Description** Srtcp encrypt and decrypt statistics

### <gate-srtp-stats-information>

#### Usage

```
<gate-srtp-stats-information>
  <gate-srtp-encrypt-packets>
    gate-srtp-encrypt-packets
```

```
</gate-srtp-encrypt-packets>
<gate-srtp-encrypt-octets>
  gate-srtp-encrypt-octets
</gate-srtp-encrypt-octets>
<gate-srtp-decrypt-packets>
  gate-srtp-decrypt-packets
</gate-srtp-decrypt-packets>
<gate-srtp-decrypt-octets>
  gate-srtp-decrypt-octets
</gate-srtp-decrypt-octets>
<gate-srtp-auth-fail-packets>
  gate-srtp-auth-fail-packets
</gate-srtp-auth-fail-packets>
<gate-srtp-auth-fail-octets>
  gate-srtp-auth-fail-octets
</gate-srtp-auth-fail-octets>
<gate-srtp-bad-packet-packets>
  gate-srtp-bad-packet-packets
</gate-srtp-bad-packet-packets>
<gate-srtp-replayed-packets>
  gate-srtp-replayed-packets
</gate-srtp-replayed-packets>
<gate-srtp-ctx-lookup-fail-packets>
  gate-srtp-ctx-lookup-fail-packets
</gate-srtp-ctx-lookup-fail-packets>
<gate-srtp-pkt-setup-fail-packets>
  gate-srtp-pkt-setup-fail-packets
</gate-srtp-pkt-setup-fail-packets>
</gate-srtp-stats-information>
```

**Description**    Srtplib encrypt and decrypt statistics

### <gate-srtp-stats-information>

#### Usage

```
<service-pgcp-gate-entry-information>
  <gate-srtp-stats-information>
    <gate-srtp-encrypt-packets>
      gate-srtp-encrypt-packets
    </gate-srtp-encrypt-packets>
    <gate-srtp-encrypt-octets>
      gate-srtp-encrypt-octets
    </gate-srtp-encrypt-octets>
    <gate-srtp-decrypt-packets>
      gate-srtp-decrypt-packets
    </gate-srtp-decrypt-packets>
    <gate-srtp-decrypt-octets>
      gate-srtp-decrypt-octets
    </gate-srtp-decrypt-octets>
    <gate-srtp-auth-fail-packets>
      gate-srtp-auth-fail-packets
    </gate-srtp-auth-fail-packets>
    <gate-srtp-auth-fail-octets>
      gate-srtp-auth-fail-octets
```

```

</gate-srtp-auth-fail-octets>
<gate-srtp-bad-packet-packets>
  gate-srtp-bad-packet-packets
</gate-srtp-bad-packet-packets>
<gate-srtp-replayed-packets>
  gate-srtp-replayed-packets
</gate-srtp-replayed-packets>
<gate-srtp-ctx-lookup-fail-packets>
  gate-srtp-ctx-lookup-fail-packets
</gate-srtp-ctx-lookup-fail-packets>
<gate-srtp-pkt-setup-fail-packets>
  gate-srtp-pkt-setup-fail-packets
</gate-srtp-pkt-setup-fail-packets>
</gate-srtp-stats-information>
</service-pgcp-gate-entry-information>

```

**Description** Srtplib encrypt and decrypt statistics

### <gate-srtp-stats-information>

#### Usage

```

<service-pgcp-gates>
  <service-pgcp-gate-entry-information>
    <gate-srtp-stats-information>
      <gate-srtp-encrypt-packets>
        gate-srtp-encrypt-packets
      </gate-srtp-encrypt-packets>
      <gate-srtp-encrypt-octets>
        gate-srtp-encrypt-octets
      </gate-srtp-encrypt-octets>
      <gate-srtp-decrypt-packets>
        gate-srtp-decrypt-packets
      </gate-srtp-decrypt-packets>
      <gate-srtp-decrypt-octets>
        gate-srtp-decrypt-octets
      </gate-srtp-decrypt-octets>
      <gate-srtp-auth-fail-packets>
        gate-srtp-auth-fail-packets
      </gate-srtp-auth-fail-packets>
      <gate-srtp-auth-fail-octets>
        gate-srtp-auth-fail-octets
      </gate-srtp-auth-fail-octets>
      <gate-srtp-bad-packet-packets>
        gate-srtp-bad-packet-packets
      </gate-srtp-bad-packet-packets>
      <gate-srtp-replayed-packets>
        gate-srtp-replayed-packets
      </gate-srtp-replayed-packets>
      <gate-srtp-ctx-lookup-fail-packets>
        gate-srtp-ctx-lookup-fail-packets
      </gate-srtp-ctx-lookup-fail-packets>
      <gate-srtp-pkt-setup-fail-packets>
        gate-srtp-pkt-setup-fail-packets
      </gate-srtp-pkt-setup-fail-packets>
    </gate-srtp-stats-information>
  </service-pgcp-gate-entry-information>
</service-pgcp-gates>

```

```
</gate-srtp-stats-information>
</service-pgcp-gate-entry-information>
</service-pgcp-gates>
```

**Description**    Srtp encrypt and decrypt statistics

## <gateway-entry>

### Usage

```
<pgcpd-active-configuration>
  <gateway-entry>
    <gateway-name>
      gateway-name
    </gateway-name>
    <local-ip-address>
      local-ip-address
    </local-ip-address>
    <gateway-vrf>
      gateway-vrf
    </gateway-vrf>
    <local-port>
      local-port
    </local-port>
    <platform>
      platform
    </platform>
    <service-state>
      service-state
    </service-state>
    <active-controller>
      active-controller
    </active-controller>
    <replication-socket>
      replication-socket
    </replication-socket>
    <synchronization-state>
      synchronization-state
    </synchronization-state>
    <up-time>
      up-time
    </up-time>
    <load-status>
      load-status
    </load-status>
    <cleanup-timeout>
      cleanup-timeout
    </cleanup-timeout>
    <maximum-concurrent-calls>
      maximum-concurrent-calls
    </maximum-concurrent-calls>
    <inactivity-timeout-delay>
      inactivity-timeout-delay
    </inactivity-timeout-delay>
    <inactivity-timeout-duration>
```

```

        inactivity-timeout-duration
      </inactivity-timeout-duration>
      <latch-deadlock-duration>
        latch-deadlock-duration
      </latch-deadlock-duration>
      <h248-timers-entry>....</h248-timers-entry>
      <base-root-entry>....</base-root-entry>
      <h248-options-entry>....</h248-options-entry>
      <h248-segmentation-properties-entry>....</h248-segmentation-properties-entry>

      <h248-diffserv-entry>....</h248-diffserv-entry>
      <h248-notification-behavior-entry>....</h248-notification-behavior-entry>

    <h248-application-data-inactivity-detection-entry>...</h248-application-data-inactivity-detection-entry>

  <h248-event-timestamp-notification-entry>....</h248-event-timestamp-notification-entry>

  <inactivity-timer-entry>....</inactivity-timer-entry>
  <fast-update-filters-entry>....</fast-update-filters-entry>
  <controller-entry>....</controller-entry>
  <overload-control-entry>....</overload-control-entry>
</gateway-entry>
</pgcpd-active-configuration>

```

## Description

### <gateway-entry>

## Usage

```

<pgcpd-active-configuration>
  <pgcpd-config>
    <gateway-entry>
      <gateway-name>
        gateway-name
      </gateway-name>
      <local-ip-address>
        local-ip-address
      </local-ip-address>
      <gateway-vrf>
        gateway-vrf
      </gateway-vrf>
      <local-port>
        local-port
      </local-port>
      <platform>
        platform
      </platform>
      <service-state>
        service-state
      </service-state>
      <active-controller>
        active-controller
      </active-controller>
      <replication-socket>

```

```

    replication-socket
  </replication-socket>
  <synchronization-state>
    synchronization-state
  </synchronization-state>
  <up-time>
    up-time
  </up-time>
  <load-status>
    load-status
  </load-status>
  <cleanup-timeout>
    cleanup-timeout
  </cleanup-timeout>
  <maximum-concurrent-calls>
    maximum-concurrent-calls
  </maximum-concurrent-calls>
  <inactivity-timeout-delay>
    inactivity-timeout-delay
  </inactivity-timeout-delay>
  <inactivity-timeout-duration>
    inactivity-timeout-duration
  </inactivity-timeout-duration>
  <latch-deadlock-duration>
    latch-deadlock-duration
  </latch-deadlock-duration>
  <h248-timers-entry>....</h248-timers-entry>
  <base-root-entry>....</base-root-entry>
  <h248-options-entry>....</h248-options-entry>

<h248-segmentation-properties-entry>....</h248-segmentation-properties-entry>
  <h248-diffserv-entry>....</h248-diffserv-entry>
  <h248-notification-behavior-entry>....</h248-notification-behavior-entry>

<h248-application-data-inactivity-detection-entry>....</h248-application-data-inactivity-detection-entry>

<h248-event-timestamp-notification-entry>....</h248-event-timestamp-notification-entry>

  <inactivity-timer-entry>....</inactivity-timer-entry>
  <fast-update-filters-entry>....</fast-update-filters-entry>
  <controller-entry>....</controller-entry>
  <overload-control-entry>....</overload-control-entry>
</gateway-entry>
</pgcpd-config>
</pgcpd-active-configuration>

```

## Description

### <gateway-entry>

#### Usage

```

<service-pgcp-statistics-gateway>
  <gateway-entry>
    <gateway-name>

```



```

    gateway-name
  </gateway-name>
  <local-ip-address>
    local-ip-address
  </local-ip-address>
  <gateway-vrf>
    gateway-vrf
  </gateway-vrf>
  <local-port>
    local-port
  </local-port>
  <platform>
    platform
  </platform>
  <service-state>
    service-state
  </service-state>
  <active-controller>
    active-controller
  </active-controller>
  <replication-socket>
    replication-socket
  </replication-socket>
  <synchronization-state>
    synchronization-state
  </synchronization-state>
  <up-time>
    up-time
  </up-time>
  <load-status>
    load-status
  </load-status>
  <cleanup-timeout>
    cleanup-timeout
  </cleanup-timeout>
  <maximum-concurrent-calls>
    maximum-concurrent-calls
  </maximum-concurrent-calls>
  <inactivity-timeout-delay>
    inactivity-timeout-delay
  </inactivity-timeout-delay>
  <inactivity-timeout-duration>
    inactivity-timeout-duration
  </inactivity-timeout-duration>
  <latch-deadlock-duration>
    latch-deadlock-duration
  </latch-deadlock-duration>
  <h248-timers-entry>....</h248-timers-entry>
  <base-root-entry>....</base-root-entry>
  <h248-options-entry>....</h248-options-entry>
<h248-segmentation-properties-entry>....</h248-segmentation-properties-entry>

  <h248-diffserv-entry>....</h248-diffserv-entry>
  <h248-notification-behavior-entry>....</h248-notification-behavior-entry>

<h248-application-data-inactivity-detection-entry>...</h248-application-data-inactivity-detection-entry>

```

```
<h248-event-timestamp-notification-entry>....</h248-event-timestamp-notification-entry>

    <inactivity-timer-entry>....</inactivity-timer-entry>
    <fast-update-filters-entry>....</fast-update-filters-entry>
    <controller-entry>....</controller-entry>
    <overload-control-entry>....</overload-control-entry>
  </gateway-entry>
</service-pgcp-statistics-gateway>
```

## Description

### <gateway-entry>

#### Usage

```
<service-pgcp-terminations>
  <gateway-entry>
    <gateway-name>
      gateway-name
    </gateway-name>
    <local-ip-address>
      local-ip-address
    </local-ip-address>
    <gateway-vrf>
      gateway-vrf
    </gateway-vrf>
    <local-port>
      local-port
    </local-port>
    <platform>
      platform
    </platform>
    <service-state>
      service-state
    </service-state>
    <active-controller>
      active-controller
    </active-controller>
    <replication-socket>
      replication-socket
    </replication-socket>
    <synchronization-state>
      synchronization-state
    </synchronization-state>
    <up-time>
      up-time
    </up-time>
    <load-status>
      load-status
    </load-status>
    <cleanup-timeout>
      cleanup-timeout
    </cleanup-timeout>
    <maximum-concurrent-calls>
```

```

        maximum-concurrent-calls
    </maximum-concurrent-calls>
    <inactivity-timeout-delay>
        inactivity-timeout-delay
    </inactivity-timeout-delay>
    <inactivity-timeout-duration>
        inactivity-timeout-duration
    </inactivity-timeout-duration>
    <latch-deadlock-duration>
        latch-deadlock-duration
    </latch-deadlock-duration>
    <h248-timers-entry>....</h248-timers-entry>
    <base-root-entry>....</base-root-entry>
    <h248-options-entry>....</h248-options-entry>
    <h248-segmentation-properties-entry>....</h248-segmentation-properties-entry>

    <h248-diffserv-entry>....</h248-diffserv-entry>
    <h248-notification-behavior-entry>....</h248-notification-behavior-entry>

<h248-application-data-inactivity-detection-entry>...</h248-application-data-inactivity-detection-entry>

<h248-event-timestamp-notification-entry>....</h248-event-timestamp-notification-entry>

    <inactivity-timer-entry>....</inactivity-timer-entry>
    <fast-update-filters-entry>....</fast-update-filters-entry>
    <controller-entry>....</controller-entry>
    <overload-control-entry>....</overload-control-entry>
</gateway-entry>
</service-pgcp-terminations>

```

## Description

### <gateway-entry>

#### Usage

```

<service-pgcp-gates>
  <gateway-entry>
    <gateway-name>
      gateway-name
    </gateway-name>
    <local-ip-address>
      local-ip-address
    </local-ip-address>
    <gateway-vrf>
      gateway-vrf
    </gateway-vrf>
    <local-port>
      local-port
    </local-port>
    <platform>
      platform
    </platform>
    <service-state>
      service-state

```

```
</service-state>
<active-controller>
  active-controller
</active-controller>
<replication-socket>
  replication-socket
</replication-socket>
<synchronization-state>
  synchronization-state
</synchronization-state>
<up-time>
  up-time
</up-time>
<load-status>
  load-status
</load-status>
<cleanup-timeout>
  cleanup-timeout
</cleanup-timeout>
<maximum-concurrent-calls>
  maximum-concurrent-calls
</maximum-concurrent-calls>
<inactivity-timeout-delay>
  inactivity-timeout-delay
</inactivity-timeout-delay>
<inactivity-timeout-duration>
  inactivity-timeout-duration
</inactivity-timeout-duration>
<latch-deadlock-duration>
  latch-deadlock-duration
</latch-deadlock-duration>
<h248-timers-entry>....</h248-timers-entry>
<base-root-entry>....</base-root-entry>
<h248-options-entry>....</h248-options-entry>
<h248-segmentation-properties-entry>....</h248-segmentation-properties-entry>

  <h248-diffserv-entry>....</h248-diffserv-entry>
  <h248-notification-behavior-entry>....</h248-notification-behavior-entry>

<h248-application-data-inactivity-detection-entry>...</h248-application-data-inactivity-detection-entry>

<h248-event-timestamp-notification-entry>....</h248-event-timestamp-notification-entry>

  <inactivity-timer-entry>....</inactivity-timer-entry>
  <fast-update-filters-entry>....</fast-update-filters-entry>
  <controller-entry>....</controller-entry>
  <overload-control-entry>....</overload-control-entry>
</gateway-entry>
</service-pgcp-gates>
```

## Description

### <h248-application-data-inactivity-detection-entry>

#### Usage

```

<pgcpd-active-configuration>
  <h248-application-data-inactivity-detection-entry>
    <ip-flow-stop-detection>
      ip-flow-stop-detection
    </ip-flow-stop-detection>
  </h248-application-data-inactivity-detection-entry>
</pgcpd-active-configuration>

```

#### Description

### <h248-application-data-inactivity-detection-entry>

#### Usage

```

<pgcpd-active-configuration>
  <gateway-entry>
    <h248-application-data-inactivity-detection-entry>
      <ip-flow-stop-detection>
        ip-flow-stop-detection
      </ip-flow-stop-detection>
    </h248-application-data-inactivity-detection-entry>
  </gateway-entry>
</pgcpd-active-configuration>

```

#### Description

### <h248-application-data-inactivity-detection-entry>

#### Usage

```

<pgcpd-active-configuration>
  <pgcpd-config>
    <gateway-entry>
      <h248-application-data-inactivity-detection-entry>
        <ip-flow-stop-detection>
          ip-flow-stop-detection
        </ip-flow-stop-detection>
      </h248-application-data-inactivity-detection-entry>
    </gateway-entry>
  </pgcpd-config>
</pgcpd-active-configuration>

```

#### Description

### <h248-application-data-inactivity-detection-entry>

#### Usage

```

<service-pgcp-statistics-gateway>
  <gateway-entry>
    <h248-application-data-inactivity-detection-entry>
      <ip-flow-stop-detection>

```

```
        ip-flow-stop-detection
      </ip-flow-stop-detection>
    </h248-application-data-inactivity-detection-entry>
  </gateway-entry>
</service-pgcp-statistics-gateway>
```

#### Description

### <h248-application-data-inactivity-detection-entry>

#### Usage

```
<service-pgcp-terminations>
  <gateway-entry>
    <h248-application-data-inactivity-detection-entry>
      <ip-flow-stop-detection>
        ip-flow-stop-detection
      </ip-flow-stop-detection>
    </h248-application-data-inactivity-detection-entry>
  </gateway-entry>
</service-pgcp-terminations>
```

#### Description

### <h248-application-data-inactivity-detection-entry>

#### Usage

```
<service-pgcp-gates>
  <gateway-entry>
    <h248-application-data-inactivity-detection-entry>
      <ip-flow-stop-detection>
        ip-flow-stop-detection
      </ip-flow-stop-detection>
    </h248-application-data-inactivity-detection-entry>
  </gateway-entry>
</service-pgcp-gates>
```

#### Description

### <h248-diffserv-entry>

#### Usage

```
<pgcpd-active-configuration>
  <h248-diffserv-entry>
    <dscp>
      dscp
    </dscp>
  </h248-diffserv-entry>
</pgcpd-active-configuration>
```

#### Description

**<h248-diffserv-entry>****Usage**

```
<pgcpd-active-configuration>
<gateway-entry>
  <h248-diffserv-entry>
    <dscp>
      dscp
    </dscp>
  </h248-diffserv-entry>
</gateway-entry>
</pgcpd-active-configuration>
```

**Description****<h248-diffserv-entry>****Usage**

```
<pgcpd-active-configuration>
<pgcpd-config>
<gateway-entry>
  <h248-diffserv-entry>
    <dscp>
      dscp
    </dscp>
  </h248-diffserv-entry>
</gateway-entry>
</pgcpd-config>
</pgcpd-active-configuration>
```

**Description****<h248-diffserv-entry>****Usage**

```
<service-pgcp-statistics-gateway>
<gateway-entry>
  <h248-diffserv-entry>
    <dscp>
      dscp
    </dscp>
  </h248-diffserv-entry>
</gateway-entry>
</service-pgcp-statistics-gateway>
```

**Description****<h248-diffserv-entry>****Usage**

```
<service-pgcp-terminations>
<gateway-entry>
```

```
<h248-diffserv-entry>
  <dscp>
    dscp
  </dscp>
</h248-diffserv-entry>
</gateway-entry>
</service-pgcp-terminations>
```

#### Description

### <h248-diffserv-entry>

#### Usage

```
<service-pgcp-gates>
  <gateway-entry>
    <h248-diffserv-entry>
      <dscp>
        dscp
      </dscp>
    </h248-diffserv-entry>
  </gateway-entry>
</service-pgcp-gates>
```

#### Description

### <h248-event-timestamp-notification-entry>

#### Usage

```
<pgcpd-active-configuration>
  <h248-event-timestamp-notification-entry>
    <requested-timestamp>
      requested-timestamp
    </requested-timestamp>
  </h248-event-timestamp-notification-entry>
</pgcpd-active-configuration>
```

#### Description

### <h248-event-timestamp-notification-entry>

#### Usage

```
<pgcpd-active-configuration>
  <gateway-entry>
    <h248-event-timestamp-notification-entry>
      <requested-timestamp>
        requested-timestamp
      </requested-timestamp>
    </h248-event-timestamp-notification-entry>
  </gateway-entry>
</pgcpd-active-configuration>
```

#### Description



### <h248-event-timestamp-notification-entry>

#### Usage

```
<pgcpd-active-configuration>
<pgcpd-config>
  <gateway-entry>
    <h248-event-timestamp-notification-entry>
      <requested-timestamp>
        requested-timestamp
      </requested-timestamp>
    </h248-event-timestamp-notification-entry>
  </gateway-entry>
</pgcpd-config>
</pgcpd-active-configuration>
```

#### Description

### <h248-event-timestamp-notification-entry>

#### Usage

```
<service-pgcp-statistics-gateway>
<gateway-entry>
  <h248-event-timestamp-notification-entry>
    <requested-timestamp>
      requested-timestamp
    </requested-timestamp>
  </h248-event-timestamp-notification-entry>
</gateway-entry>
</service-pgcp-statistics-gateway>
```

#### Description

### <h248-event-timestamp-notification-entry>

#### Usage

```
<service-pgcp-terminations>
<gateway-entry>
  <h248-event-timestamp-notification-entry>
    <requested-timestamp>
      requested-timestamp
    </requested-timestamp>
  </h248-event-timestamp-notification-entry>
</gateway-entry>
</service-pgcp-terminations>
```

#### Description

### <h248-event-timestamp-notification-entry>

#### Usage

```
<service-pgcp-gates>
<gateway-entry>
```

```
<h248-event-timestamp-notification-entry>
  <requested-timestamp>
    requested-timestamp
  </requested-timestamp>
</h248-event-timestamp-notification-entry>
</gateway-entry>
</service-pgcp-gates>
```

#### Description

### <h248-notification-behavior-entry>

#### Usage

```
<pgcpd-active-configuration>
  <h248-notification-behavior-entry>
    <notification-regulation>
      notification-regulation
    </notification-regulation>
  </h248-notification-behavior-entry>
</pgcpd-active-configuration>
```

#### Description

### <h248-notification-behavior-entry>

#### Usage

```
<pgcpd-active-configuration>
  <gateway-entry>
    <h248-notification-behavior-entry>
      <notification-regulation>
        notification-regulation
      </notification-regulation>
    </h248-notification-behavior-entry>
  </gateway-entry>
</pgcpd-active-configuration>
```

#### Description

### <h248-notification-behavior-entry>

#### Usage

```
<pgcpd-active-configuration>
  <pgcpd-config>
    <gateway-entry>
      <h248-notification-behavior-entry>
        <notification-regulation>
          notification-regulation
        </notification-regulation>
      </h248-notification-behavior-entry>
    </gateway-entry>
  </pgcpd-config>
</pgcpd-active-configuration>
```

**Description****<h248-notification-behavior-entry>****Usage**

```
<service-pgcp-statistics-gateway>
  <gateway-entry>
    <h248-notification-behavior-entry>
      <notification-regulation>
        notification-regulation
      </notification-regulation>
    </h248-notification-behavior-entry>
  </gateway-entry>
</service-pgcp-statistics-gateway>
```

**Description****<h248-notification-behavior-entry>****Usage**

```
<service-pgcp-terminations>
  <gateway-entry>
    <h248-notification-behavior-entry>
      <notification-regulation>
        notification-regulation
      </notification-regulation>
    </h248-notification-behavior-entry>
  </gateway-entry>
</service-pgcp-terminations>
```

**Description****<h248-notification-behavior-entry>****Usage**

```
<service-pgcp-gates>
  <gateway-entry>
    <h248-notification-behavior-entry>
      <notification-regulation>
        notification-regulation
      </notification-regulation>
    </h248-notification-behavior-entry>
  </gateway-entry>
</service-pgcp-gates>
```

**Description****<h248-options-entry>****Usage**

```
<pgcpd-active-configuration>
  <h248-options-entry>
    <wildcard-response-service-change>
```

```
wildcard-response-service-change
</wildcard-response-service-change>
<audit-observed-events-returns-history>
  audit-observed-events-returns-history
</audit-observed-events-returns-history>
<h248-profile>
  h248-profile
</h248-profile>
</h248-options-entry>
</pgcpd-active-configuration>
```

#### Description

### <h248-options-entry>

#### Usage

```
<pgcpd-active-configuration>
<gateway-entry>
  <h248-options-entry>
    <wildcard-response-service-change>
      wildcard-response-service-change
    </wildcard-response-service-change>
    <audit-observed-events-returns-history>
      audit-observed-events-returns-history
    </audit-observed-events-returns-history>
    <h248-profile>
      h248-profile
    </h248-profile>
  </h248-options-entry>
</gateway-entry>
</pgcpd-active-configuration>
```

#### Description

### <h248-options-entry>

#### Usage

```
<pgcpd-active-configuration>
<pgcpd-config>
  <gateway-entry>
    <h248-options-entry>
      <wildcard-response-service-change>
        wildcard-response-service-change
      </wildcard-response-service-change>
      <audit-observed-events-returns-history>
        audit-observed-events-returns-history
      </audit-observed-events-returns-history>
      <h248-profile>
        h248-profile
      </h248-profile>
    </h248-options-entry>
  </gateway-entry>
</pgcpd-config>
```

```
</pgcpd-active-configuration>
```

#### Description

**<h248-options-entry>**

#### Usage

```
<service-pgcp-statistics-gateway>
  <gateway-entry>
    <h248-options-entry>
      <wildcard-response-service-change>
        wildcard-response-service-change
      </wildcard-response-service-change>
      <audit-observed-events-returns-history>
        audit-observed-events-returns-history
      </audit-observed-events-returns-history>
      <h248-profile>
        h248-profile
      </h248-profile>
    </h248-options-entry>
  </gateway-entry>
</service-pgcp-statistics-gateway>
```

#### Description

**<h248-options-entry>**

#### Usage

```
<service-pgcp-terminations>
  <gateway-entry>
    <h248-options-entry>
      <wildcard-response-service-change>
        wildcard-response-service-change
      </wildcard-response-service-change>
      <audit-observed-events-returns-history>
        audit-observed-events-returns-history
      </audit-observed-events-returns-history>
      <h248-profile>
        h248-profile
      </h248-profile>
    </h248-options-entry>
  </gateway-entry>
</service-pgcp-terminations>
```

#### Description

**<h248-options-entry>**

#### Usage

```
<service-pgcp-gates>
  <gateway-entry>
    <h248-options-entry>
      <wildcard-response-service-change>
```

```
wildcard-response-service-change
</wildcard-response-service-change>
<audit-observed-events-returns-history>
  audit-observed-events-returns-history
</audit-observed-events-returns-history>
<h248-profile>
  h248-profile
</h248-profile>
</h248-options-entry>
</gateway-entry>
</service-pgcp-gates>
```

#### Description

### <h248-segmentation-properties-entry>

#### Usage

```
<pgcpd-active-configuration>
  <h248-segmentation-properties-entry>
    <sgp_name>
      sgp_name
    </sgp_name>
    <sgp_minimum>
      sgp_minimum
    </sgp_minimum>
    <sgp_maximum>
      sgp_maximum
    </sgp_maximum>
    <sgp_default>
      sgp_default
    </sgp_default>
  </h248-segmentation-properties-entry>
</pgcpd-active-configuration>
```

**Description**    Array of h248 segmentation properties

### <h248-segmentation-properties-entry>

#### Usage

```
<pgcpd-active-configuration>
  <gateway-entry>
    <h248-segmentation-properties-entry>
      <sgp_name>
        sgp_name
      </sgp_name>
      <sgp_minimum>
        sgp_minimum
      </sgp_minimum>
      <sgp_maximum>
        sgp_maximum
      </sgp_maximum>
      <sgp_default>
        sgp_default
    </h248-segmentation-properties-entry>
  </gateway-entry>
</pgcpd-active-configuration>
```

```

    </sgp_default>
  </h248-segmentation-properties-entry>
</gateway-entry>
</pgcpd-active-configuration>

```

**Description** Array of h248 segmentation properties

### <h248-segmentation-properties-entry>

#### Usage

```

<pgcpd-active-configuration>
  <pgcpd-config>
    <gateway-entry>
      <h248-segmentation-properties-entry>
        <sgp_name>
          sgp_name
        </sgp_name>
        <sgp_minimum>
          sgp_minimum
        </sgp_minimum>
        <sgp_maximum>
          sgp_maximum
        </sgp_maximum>
        <sgp_default>
          sgp_default
        </sgp_default>
      </h248-segmentation-properties-entry>
    </gateway-entry>
  </pgcpd-config>
</pgcpd-active-configuration>

```

**Description** Array of h248 segmentation properties

### <h248-segmentation-properties-entry>

#### Usage

```

<service-pgcp-statistics-gateway>
  <gateway-entry>
    <h248-segmentation-properties-entry>
      <sgp_name>
        sgp_name
      </sgp_name>
      <sgp_minimum>
        sgp_minimum
      </sgp_minimum>
      <sgp_maximum>
        sgp_maximum
      </sgp_maximum>
      <sgp_default>
        sgp_default
      </sgp_default>
    </h248-segmentation-properties-entry>
  </gateway-entry>
</service-pgcp-statistics-gateway>

```

```
</gateway-entry>
</service-pgcp-statistics-gateway>
```

**Description**    Array of h248 segmentation properties

### <h248-segmentation-properties-entry>

**Usage**

```
<service-pgcp-terminations>
  <gateway-entry>
    <h248-segmentation-properties-entry>
      <sgp_name>
        sgp_name
      </sgp_name>
      <sgp_minimum>
        sgp_minimum
      </sgp_minimum>
      <sgp_maximum>
        sgp_maximum
      </sgp_maximum>
      <sgp_default>
        sgp_default
      </sgp_default>
    </h248-segmentation-properties-entry>
  </gateway-entry>
</service-pgcp-terminations>
```

**Description**    Array of h248 segmentation properties

### <h248-segmentation-properties-entry>

**Usage**

```
<service-pgcp-gates>
  <gateway-entry>
    <h248-segmentation-properties-entry>
      <sgp_name>
        sgp_name
      </sgp_name>
      <sgp_minimum>
        sgp_minimum
      </sgp_minimum>
      <sgp_maximum>
        sgp_maximum
      </sgp_maximum>
      <sgp_default>
        sgp_default
      </sgp_default>
    </h248-segmentation-properties-entry>
  </gateway-entry>
</service-pgcp-gates>
```



**Description** Array of h248 segmentation properties

### <h248-timers-entry>

#### Usage

```
<pgcpd-active-configuration>
  <h248-timers-entry>
    <maximum-waiting-delay>
      maximum-waiting-delay
    </maximum-waiting-delay>
    <tmax-retransmission-delay>
      tmax-retransmission-delay
    </tmax-retransmission-delay>
    <initial-average-ack-delay>
      initial-average-ack-delay
    </initial-average-ack-delay>
    <maximum-net-propagation-delay>
      maximum-net-propagation-delay
    </maximum-net-propagation-delay>
  </h248-timers-entry>
</pgcpd-active-configuration>
```

#### Description

### <h248-timers-entry>

#### Usage

```
<pgcpd-active-configuration>
  <gateway-entry>
    <h248-timers-entry>
      <maximum-waiting-delay>
        maximum-waiting-delay
      </maximum-waiting-delay>
      <tmax-retransmission-delay>
        tmax-retransmission-delay
      </tmax-retransmission-delay>
      <initial-average-ack-delay>
        initial-average-ack-delay
      </initial-average-ack-delay>
      <maximum-net-propagation-delay>
        maximum-net-propagation-delay
      </maximum-net-propagation-delay>
    </h248-timers-entry>
  </gateway-entry>
</pgcpd-active-configuration>
```

#### Description

### <h248-timers-entry>

#### Usage

```
<pgcpd-active-configuration>
  <pgcpd-config>
```

```
<gateway-entry>
  <h248-timers-entry>
    <maximum-waiting-delay>
      maximum-waiting-delay
    </maximum-waiting-delay>
    <tmax-retransmission-delay>
      tmax-retransmission-delay
    </tmax-retransmission-delay>
    <initial-average-ack-delay>
      initial-average-ack-delay
    </initial-average-ack-delay>
    <maximum-net-propagation-delay>
      maximum-net-propagation-delay
    </maximum-net-propagation-delay>
  </h248-timers-entry>
</gateway-entry>
</pgcpd-config>
</pgcpd-active-configuration>
```

#### Description

#### <h248-timers-entry>

##### Usage

```
<service-pgcp-statistics-gateway>
  <gateway-entry>
    <h248-timers-entry>
      <maximum-waiting-delay>
        maximum-waiting-delay
      </maximum-waiting-delay>
      <tmax-retransmission-delay>
        tmax-retransmission-delay
      </tmax-retransmission-delay>
      <initial-average-ack-delay>
        initial-average-ack-delay
      </initial-average-ack-delay>
      <maximum-net-propagation-delay>
        maximum-net-propagation-delay
      </maximum-net-propagation-delay>
    </h248-timers-entry>
  </gateway-entry>
</service-pgcp-statistics-gateway>
```

#### Description

#### <h248-timers-entry>

##### Usage

```
<service-pgcp-terminations>
  <gateway-entry>
    <h248-timers-entry>
      <maximum-waiting-delay>
        maximum-waiting-delay
      </maximum-waiting-delay>
```

```

    <tmax-retransmission-delay>
      tmax-retransmission-delay
    </tmax-retransmission-delay>
    <initial-average-ack-delay>
      initial-average-ack-delay
    </initial-average-ack-delay>
    <maximum-net-propagation-delay>
      maximum-net-propagation-delay
    </maximum-net-propagation-delay>
  </h248-timers-entry>
</gateway-entry>
</service-pgcp-terminations>

```

#### Description

### <h248-timers-entry>

#### Usage

```

<service-pgcp-gates>
  <gateway-entry>
    <h248-timers-entry>
      <maximum-waiting-delay>
        maximum-waiting-delay
      </maximum-waiting-delay>
      <tmax-retransmission-delay>
        tmax-retransmission-delay
      </tmax-retransmission-delay>
      <initial-average-ack-delay>
        initial-average-ack-delay
      </initial-average-ack-delay>
      <maximum-net-propagation-delay>
        maximum-net-propagation-delay
      </maximum-net-propagation-delay>
    </h248-timers-entry>
  </gateway-entry>
</service-pgcp-gates>

```

#### Description

### <header-redirect-set-statistics>

#### Usage

```

<header-redirect-set-statistics>
  <header-redirect-set-name>
    header-redirect-set-name
  </header-redirect-set-name>
  <cause-roaming>
    cause-roaming
  </cause-roaming>
  <cause-time-of-day>
    cause-time-of-day
  </cause-time-of-day>
  <cause-quality-of-service>
    cause-quality-of-service

```

```
</cause-quality-of-service>
<cause-volume-expired>
  cause-volume-expired
</cause-volume-expired>
<cause-cost-warning>
  cause-cost-warning
</cause-cost-warning>
<cause-not-allowed>
  cause-not-allowed
</cause-not-allowed>
<cause-unsubscribed>
  cause-unsubscribed
</cause-unsubscribed>
<cause-credit-expiry>
  cause-credit-expiry
</cause-credit-expiry>
<cause-unknown>
  cause-unknown
</cause-unknown>
<cause-default>
  cause-default
</cause-default>
</header-redirect-set-statistics>
```

**Description** Statistics for the header redirect sets

### <header-redirect-set-statistics>

#### Usage

```
<header-redirect-set-statistics-information>
<header-redirect-set-statistics>
  <header-redirect-set-name>
    header-redirect-set-name
  </header-redirect-set-name>
  <cause-roaming>
    cause-roaming
  </cause-roaming>
  <cause-time-of-day>
    cause-time-of-day
  </cause-time-of-day>
  <cause-quality-of-service>
    cause-quality-of-service
  </cause-quality-of-service>
  <cause-volume-expired>
    cause-volume-expired
  </cause-volume-expired>
  <cause-cost-warning>
    cause-cost-warning
  </cause-cost-warning>
  <cause-not-allowed>
    cause-not-allowed
  </cause-not-allowed>
  <cause-unsubscribed>
    cause-unsubscribed
```

```

</cause-unsubscribed>
<cause-credit-expiry>
  cause-credit-expiry
</cause-credit-expiry>
<cause-unknown>
  cause-unknown
</cause-unknown>
<cause-default>
  cause-default
</cause-default>
</header-redirect-set-statistics>
</header-redirect-set-statistics-information>

```

**Description** Statistics for the header redirect sets

### <header-redirect-set-statistics-information>

#### Usage

```

<header-redirect-set-statistics-information>
  <interface-name>
    interface-name
  </interface-name>
  <interfaces>
    interfaces
  </interfaces>
  <header-redirect-set-statistics>....</header-redirect-set-statistics>
</header-redirect-set-statistics-information>

```

#### Description

### <icmp-error-counters>

#### Usage

```

<sfw-stats-service-set-entry>
  <icmp-error-counters>
    <icmp-length-error>
      icmp-length-error
    </icmp-length-error>
    <icmp-error-length-error>
      icmp-error-length-error
    </icmp-error-length-error>
    <ping-duplicate-sequence-number>
      ping-duplicate-sequence-number
    </ping-duplicate-sequence-number>
    <ping-mismatched-sequence-number>
      ping-mismatched-sequence-number
    </ping-mismatched-sequence-number>
    <icmp-error-no-matching-flow>
      icmp-error-no-matching-flow
    </icmp-error-no-matching-flow>
  </icmp-error-counters>
</sfw-stats-service-set-entry>

```

**Description** Extensive output of ICMP processing errors

### <icmp-error-counters>

#### Usage

```
<service-sfw-statistics-information>
  <service-sfw-statistics-entry>
    <sfw-stats-service-set-entry>
      <icmp-error-counters>
        <icmp-length-error>
          icmp-length-error
        </icmp-length-error>
        <icmp-error-length-error>
          icmp-error-length-error
        </icmp-error-length-error>
        <ping-duplicate-sequence-number>
          ping-duplicate-sequence-number
        </ping-duplicate-sequence-number>
        <ping-mismatched-sequence-number>
          ping-mismatched-sequence-number
        </ping-mismatched-sequence-number>
        <icmp-error-no-matching-flow>
          icmp-error-no-matching-flow
        </icmp-error-no-matching-flow>
      </icmp-error-counters>
    </sfw-stats-service-set-entry>
  </service-sfw-statistics-entry>
</service-sfw-statistics-information>
```

**Description** Extensive output of ICMP processing errors

### <ids-anomaly-entry>

#### Usage

```
<ids-anomaly-entry>
  <ids-anomaly-description>
    ids-anomaly-description
  </ids-anomaly-description>
  <ids-anomaly-count>
    ids-anomaly-count
  </ids-anomaly-count>
  <ids-anomaly-rate>
    ids-anomaly-rate
  </ids-anomaly-rate>
  <ids-anomaly-elapsed>
    ids-anomaly-elapsed
  </ids-anomaly-elapsed>
</ids-anomaly-entry>
```

**Description** IDS anomaly information

**<ids-anomaly-entry>****Usage**

```

<ids-flow-entry>
  <ids-anomaly-entry>
    <ids-anomaly-description>
      ids-anomaly-description
    </ids-anomaly-description>
    <ids-anomaly-count>
      ids-anomaly-count
    </ids-anomaly-count>
    <ids-anomaly-rate>
      ids-anomaly-rate
    </ids-anomaly-rate>
    <ids-anomaly-elapsed>
      ids-anomaly-elapsed
    </ids-anomaly-elapsed>
  </ids-anomaly-entry>
</ids-flow-entry>

```

**Description**    IDS anomaly information

**<ids-anomaly-entry>****Usage**

```

<ids-flow-table>
  <ids-flow-entry>
    <ids-anomaly-entry>
      <ids-anomaly-description>
        ids-anomaly-description
      </ids-anomaly-description>
      <ids-anomaly-count>
        ids-anomaly-count
      </ids-anomaly-count>
      <ids-anomaly-rate>
        ids-anomaly-rate
      </ids-anomaly-rate>
      <ids-anomaly-elapsed>
        ids-anomaly-elapsed
      </ids-anomaly-elapsed>
    </ids-anomaly-entry>
  </ids-flow-entry>
</ids-flow-table>

```

**Description**    IDS anomaly information

**<ids-anomaly-entry>****Usage**

```

<ids-per-service-set-flow-table>
  <ids-flow-table>
    <ids-flow-entry>

```

```
<ids-anomaly-entry>
  <ids-anomaly-description>
    ids-anomaly-description
  </ids-anomaly-description>
  <ids-anomaly-count>
    ids-anomaly-count
  </ids-anomaly-count>
  <ids-anomaly-rate>
    ids-anomaly-rate
  </ids-anomaly-rate>
  <ids-anomaly-elapsed>
    ids-anomaly-elapsed
  </ids-anomaly-elapsed>
</ids-anomaly-entry>
</ids-flow-entry>
</ids-flow-table>
</ids-per-service-set-flow-table>
```

**Description** IDS anomaly information

### <ids-anomaly-entry>

#### Usage

```
<service-ids-flow-table-information>
  <ids-per-service-set-flow-table>
    <ids-flow-table>
      <ids-flow-entry>
        <ids-anomaly-entry>
          <ids-anomaly-description>
            ids-anomaly-description
          </ids-anomaly-description>
          <ids-anomaly-count>
            ids-anomaly-count
          </ids-anomaly-count>
          <ids-anomaly-rate>
            ids-anomaly-rate
          </ids-anomaly-rate>
          <ids-anomaly-elapsed>
            ids-anomaly-elapsed
          </ids-anomaly-elapsed>
        </ids-anomaly-entry>
      </ids-flow-entry>
    </ids-flow-table>
  </ids-per-service-set-flow-table>
</service-ids-flow-table-information>
```

**Description** IDS anomaly information

### <ids-flow-entry>

#### Usage

```
<ids-flow-entry>
```



```

<ids-flow-source-ip>
  ids-flow-source-ip
</ids-flow-source-ip>
<ids-flow-destination-ip>
  ids-flow-destination-ip
</ids-flow-destination-ip>
<ids-flow-time>
  ids-flow-time
</ids-flow-time>
<ids-flow-flags>
  ids-flow-flags
</ids-flow-flags>
<ids-flow-long-flags>
  ids-flow-long-flags
</ids-flow-long-flags>
<ids-flow-count>
  ids-flow-count
</ids-flow-count>
<ids-flow-application>
  ids-flow-application
</ids-flow-application>
<ids-bytes-count>
  ids-bytes-count
</ids-bytes-count>
<ids-packets-count>
  ids-packets-count
</ids-packets-count>
<ids-flows-count>
  ids-flows-count
</ids-flows-count>
<ids-anomalies-count>
  ids-anomalies-count
</ids-anomalies-count>
<ids-anomaly-entry>....</ids-anomaly-entry>
</ids-flow-entry>

```

**Description** IDS terse information

## <ids-flow-entry>

### Usage

```

<ids-flow-table>
  <ids-flow-entry>
    <ids-flow-source-ip>
      ids-flow-source-ip
    </ids-flow-source-ip>
    <ids-flow-destination-ip>
      ids-flow-destination-ip
    </ids-flow-destination-ip>
    <ids-flow-time>
      ids-flow-time
    </ids-flow-time>
    <ids-flow-flags>
      ids-flow-flags

```

```
</ids-flow-flags>
<ids-flow-long-flags>
  ids-flow-long-flags
</ids-flow-long-flags>
<ids-flow-count>
  ids-flow-count
</ids-flow-count>
<ids-flow-application>
  ids-flow-application
</ids-flow-application>
<ids-bytes-count>
  ids-bytes-count
</ids-bytes-count>
<ids-packets-count>
  ids-packets-count
</ids-packets-count>
<ids-flows-count>
  ids-flows-count
</ids-flows-count>
<ids-anomalies-count>
  ids-anomalies-count
</ids-anomalies-count>
<ids-anomaly-entry>....</ids-anomaly-entry>
</ids-flow-entry>
</ids-flow-table>
```

**Description** IDS terse information

### <ids-flow-entry>

#### Usage

```
<ids-per-service-set-flow-table>
<ids-flow-table>
  <ids-flow-entry>
    <ids-flow-source-ip>
      ids-flow-source-ip
    </ids-flow-source-ip>
    <ids-flow-destination-ip>
      ids-flow-destination-ip
    </ids-flow-destination-ip>
    <ids-flow-time>
      ids-flow-time
    </ids-flow-time>
    <ids-flow-flags>
      ids-flow-flags
    </ids-flow-flags>
    <ids-flow-long-flags>
      ids-flow-long-flags
    </ids-flow-long-flags>
    <ids-flow-count>
      ids-flow-count
    </ids-flow-count>
    <ids-flow-application>
      ids-flow-application
```

```

</ids-flow-application>
<ids-bytes-count>
  ids-bytes-count
</ids-bytes-count>
<ids-packets-count>
  ids-packets-count
</ids-packets-count>
<ids-flows-count>
  ids-flows-count
</ids-flows-count>
<ids-anomalies-count>
  ids-anomalies-count
</ids-anomalies-count>
<ids-anomaly-entry>....</ids-anomaly-entry>
</ids-flow-entry>
</ids-flow-table>
</ids-per-service-set-flow-table>

```

**Description** IDS terse information

### <ids-flow-entry>

#### Usage

```

<service-ids-flow-table-information>
<ids-per-service-set-flow-table>
<ids-flow-table>
  <ids-flow-entry>
    <ids-flow-source-ip>
      ids-flow-source-ip
    </ids-flow-source-ip>
    <ids-flow-destination-ip>
      ids-flow-destination-ip
    </ids-flow-destination-ip>
    <ids-flow-time>
      ids-flow-time
    </ids-flow-time>
    <ids-flow-flags>
      ids-flow-flags
    </ids-flow-flags>
    <ids-flow-long-flags>
      ids-flow-long-flags
    </ids-flow-long-flags>
    <ids-flow-count>
      ids-flow-count
    </ids-flow-count>
    <ids-flow-application>
      ids-flow-application
    </ids-flow-application>
    <ids-bytes-count>
      ids-bytes-count
    </ids-bytes-count>
    <ids-packets-count>
      ids-packets-count
    </ids-packets-count>
  </ids-flow-entry>
</ids-flow-table>
</ids-per-service-set-flow-table>
</service-ids-flow-table-information>

```

```
<ids-flows-count>
  ids-flows-count
</ids-flows-count>
<ids-anomalies-count>
  ids-anomalies-count
</ids-anomalies-count>
<ids-anomaly-entry>....</ids-anomaly-entry>
</ids-flow-entry>
</ids-flow-table>
</ids-per-service-set-flow-table>
</service-ids-flow-table-information>
```

**Description** IDS terse information

### <ids-flow-table>

#### Usage

```
<ids-flow-table>
  <ids-flow-entry>....</ids-flow-entry>
</ids-flow-table>
```

**Description** IDS table sorted by service set

### <ids-flow-table>

#### Usage

```
<ids-per-service-set-flow-table>
  <ids-flow-table>
    <ids-flow-entry>....</ids-flow-entry>
  </ids-flow-table>
</ids-per-service-set-flow-table>
```

**Description** IDS table sorted by service set

### <ids-flow-table>

#### Usage

```
<service-ids-flow-table-information>
  <ids-per-service-set-flow-table>
    <ids-flow-table>
      <ids-flow-entry>....</ids-flow-entry>
    </ids-flow-table>
  </ids-per-service-set-flow-table>
</service-ids-flow-table-information>
```

**Description** IDS table sorted by service set

**<ids-per-service-set-flow-table>****Usage**

```

<ids-per-service-set-flow-table>
  <service-set-name>
    service-set-name
  </service-set-name>
  <interface-name>
    interface-name
  </interface-name>
  <ids-sort-order>
    ids-sort-order
  </ids-sort-order>
  <ids-flow-table>....</ids-flow-table>
</ids-per-service-set-flow-table>

```

**Description** IDS table sorted by service set

**<ids-per-service-set-flow-table>****Usage**

```

<service-ids-flow-table-information>
  <ids-per-service-set-flow-table>
    <service-set-name>
      service-set-name
    </service-set-name>
    <interface-name>
      interface-name
    </interface-name>
    <ids-sort-order>
      ids-sort-order
    </ids-sort-order>
    <ids-flow-table>....</ids-flow-table>
  </ids-per-service-set-flow-table>
</service-ids-flow-table-information>

```

**Description** IDS table sorted by service set

**<ids-show-summary>****Usage**

```

<ids-show-summary>
  <interface-name>
    interface-name
  </interface-name>
  <ids-total-entries>
    ids-total-entries
  </ids-total-entries>
  <ids-total-failed-insertions>
    ids-total-failed-insertions
  </ids-total-failed-insertions>
  <ids-total-events>

```

```
ids-total-events
</ids-total-events>
</ids-show-summary>
```

**Description** IDS table summary

### <ids-show-summary>

**Usage**

```
<service-ids-flow-table-information>
  <ids-show-summary>
    <interface-name>
      interface-name
    </interface-name>
    <ids-total-entries>
      ids-total-entries
    </ids-total-entries>
    <ids-total-failed-insertions>
      ids-total-failed-insertions
    </ids-total-failed-insertions>
    <ids-total-events>
      ids-total-events
    </ids-total-events>
  </ids-show-summary>
</service-ids-flow-table-information>
```

**Description** IDS table summary

### <inactivity-timer-entry>

**Usage**

```
<pgcpd-active-configuration>
  <inactivity-timer-entry>
    <detect>
      detect
    </detect>
    <maximum-inactivity-time>....</maximum-inactivity-time>
  </inactivity-timer-entry>
</pgcpd-active-configuration>
```

**Description**

### <inactivity-timer-entry>

**Usage**

```
<pgcpd-active-configuration>
  <gateway-entry>
    <inactivity-timer-entry>
      <detect>
        detect
      </detect>
```

```

        <maximum-inactivity-time>....</maximum-inactivity-time>
    </inactivity-timer-entry>
</gateway-entry>
</pgcpd-active-configuration>

```

#### Description

#### <inactivity-timer-entry>

##### Usage

```

<pgcpd-active-configuration>
  <pgcpd-config>
    <gateway-entry>
      <inactivity-timer-entry>
        <detect>
          detect
        </detect>
        <maximum-inactivity-time>....</maximum-inactivity-time>
      </inactivity-timer-entry>
    </gateway-entry>
  </pgcpd-config>
</pgcpd-active-configuration>

```

#### Description

#### <inactivity-timer-entry>

##### Usage

```

<service-pgcp-statistics-gateway>
  <gateway-entry>
    <inactivity-timer-entry>
      <detect>
        detect
      </detect>
      <maximum-inactivity-time>....</maximum-inactivity-time>
    </inactivity-timer-entry>
  </gateway-entry>
</service-pgcp-statistics-gateway>

```

#### Description

#### <inactivity-timer-entry>

##### Usage

```

<service-pgcp-terminations>
  <gateway-entry>
    <inactivity-timer-entry>
      <detect>
        detect
      </detect>
      <maximum-inactivity-time>....</maximum-inactivity-time>
    </inactivity-timer-entry>
  </gateway-entry>

```

```
</service-pgcp-terminations>
```

#### Description

### <inactivity-timer-entry>

#### Usage

```
<service-pgcp-gates>
  <gateway-entry>
    <inactivity-timer-entry>
      <detect>
        detect
      </detect>
      <maximum-inactivity-time>....</maximum-inactivity-time>
    </inactivity-timer-entry>
  </gateway-entry>
</service-pgcp-gates>
```

#### Description

### <inline-nat-statistics-entry>

#### Usage

```
<inline-nat-statistics-entry>
  <srv-pic-name>
    srv-pic-name
  </srv-pic-name>
  <si-nat-slow-path-pkts-rcvd>
    si-nat-slow-path-pkts-rcvd
  </si-nat-slow-path-pkts-rcvd>
  <si-nat-slow-path-pkts-dropped>
    si-nat-slow-path-pkts-dropped
  </si-nat-slow-path-pkts-dropped>
</inline-nat-statistics-entry>
```

**Description** NAT statistics

### <inline-nat-statistics-entry>

#### Usage

```
<inline-nat-statistics-information>
  <inline-nat-statistics-entry>
    <srv-pic-name>
      srv-pic-name
    </srv-pic-name>
    <si-nat-slow-path-pkts-rcvd>
      si-nat-slow-path-pkts-rcvd
    </si-nat-slow-path-pkts-rcvd>
    <si-nat-slow-path-pkts-dropped>
      si-nat-slow-path-pkts-dropped
    </si-nat-slow-path-pkts-dropped>
  </inline-nat-statistics-entry>
```



```
</inline-nat-statistics-information>
```

**Description** NAT statistics

### <inline-nat-statistics-information>

#### Usage

```
<inline-nat-statistics-information>
  <inline-nat-statistics-entry>....</inline-nat-statistics-entry>
</inline-nat-statistics-information>
```

**Description** NAT statistics information

### <ip-error-counters>

#### Usage

```
<sfw-stats-service-set-entry>
  <ip-error-counters>
    <ip-length-error>
      ip-length-error
    </ip-length-error>
    <ip-header-length-error>
      ip-header-length-error
    </ip-header-length-error>
    <long-packet>
      long-packet
    </long-packet>
    <illegal-source-address>
      illegal-source-address
    </illegal-source-address>
    <illegal-destination-address>
      illegal-destination-address
    </illegal-destination-address>
    <ttl-zero>
      ttl-zero
    </ttl-zero>
    <illegal-ip-protocol>
      illegal-ip-protocol
    </illegal-ip-protocol>
    <land-attack>
      land-attack
    </land-attack>
    <non-ipv4>
      non-ipv4
    </non-ipv4>
    <bad-checksum>
      bad-checksum
    </bad-checksum>
    <illegal-fragment-length>
      illegal-fragment-length
    </illegal-fragment-length>
    <fragment-overlap>
```

```
    fragment-overlap
  </fragment-overlap>
  <fragment-reassembly-timeout>
    fragment-reassembly-timeout
  </fragment-reassembly-timeout>
  <unknown>
    unknown
  </unknown>
</ip-error-counters>
</sfw-stats-service-set-entry>
```

**Description** Extensive output of IP processing errors

### <ip-error-counters>

#### Usage

```
<service-sfw-statistics-information>
  <service-sfw-statistics-entry>
    <sfw-stats-service-set-entry>
      <ip-error-counters>
        <ip-length-error>
          ip-length-error
        </ip-length-error>
        <ip-header-length-error>
          ip-header-length-error
        </ip-header-length-error>
        <long-packet>
          long-packet
        </long-packet>
        <illegal-source-address>
          illegal-source-address
        </illegal-source-address>
        <illegal-destination-address>
          illegal-destination-address
        </illegal-destination-address>
        <ttl-zero>
          ttl-zero
        </ttl-zero>
        <illegal-ip-protocol>
          illegal-ip-protocol
        </illegal-ip-protocol>
        <land-attack>
          land-attack
        </land-attack>
        <non-ipv4>
          non-ipv4
        </non-ipv4>
        <bad-checksum>
          bad-checksum
        </bad-checksum>
        <illegal-fragment-length>
          illegal-fragment-length
        </illegal-fragment-length>
        <fragment-overlap>
```

```

        fragment-overlap
      </fragment-overlap>
    <fragment-reassembly-timeout>
      fragment-reassembly-timeout
    </fragment-reassembly-timeout>
    <unknown>
      unknown
    </unknown>
  </ip-error-counters>
</sfw-stats-service-set-entry>
</service-sfw-statistics-entry>
</service-sfw-statistics-information>

```

**Description** Extensive output of IP processing errors

### <l2tp-destination-clear-entry>

#### Usage

```

<l2tp-destination-clear-entry>
  <l2tp-destination-local-name>
    l2tp-destination-local-name
  </l2tp-destination-local-name>
</l2tp-destination-clear-entry>

```

**Description** L2TP cleared destination information

### <l2tp-destination-clear-entry>

#### Usage

```

<service-l2tp-destination-clear-information>
  <l2tp-destination-clear-entry>
    <l2tp-destination-local-name>
      l2tp-destination-local-name
    </l2tp-destination-local-name>
  </l2tp-destination-clear-entry>
</service-l2tp-destination-clear-information>

```

**Description** L2TP cleared destination information

### <l2tp-destination-entry>

#### Usage

```

<l2tp-destination-entry>
  <l2tp-destination-local-name>
    l2tp-destination-local-name
  </l2tp-destination-local-name>
  <l2tp-destination-remote-ip>
    l2tp-destination-remote-ip
  </l2tp-destination-remote-ip>
  <l2tp-destination-state>
    l2tp-destination-state

```

```
</l2tp-destination-state>
<l2tp-destination-tunnel-count>
  l2tp-destination-tunnel-count
</l2tp-destination-tunnel-count>
<l2tp-destination-tunnel-total>
  l2tp-destination-tunnel-total
</l2tp-destination-tunnel-total>
<l2tp-destination-tunnel-active>
  l2tp-destination-tunnel-active
</l2tp-destination-tunnel-active>
<l2tp-destination-tunnel-failed>
  l2tp-destination-tunnel-failed
</l2tp-destination-tunnel-failed>
<l2tp-destination-session-count>
  l2tp-destination-session-count
</l2tp-destination-session-count>
<l2tp-destination-session-total>
  l2tp-destination-session-total
</l2tp-destination-session-total>
<l2tp-destination-session-active>
  l2tp-destination-session-active
</l2tp-destination-session-active>
<l2tp-destination-session-failed>
  l2tp-destination-session-failed
</l2tp-destination-session-failed>
<l2tp-destination-local-ip>
  l2tp-destination-local-ip
</l2tp-destination-local-ip>
<l2tp-destination-maximum-tunnels>
  l2tp-destination-maximum-tunnels
</l2tp-destination-maximum-tunnels>
<l2tp-destination-transport>
  l2tp-destination-transport
</l2tp-destination-transport>
<l2tp-destination-router-instance>
  l2tp-destination-router-instance
</l2tp-destination-router-instance>
<l2tp-destination-logical-system>
  l2tp-destination-logical-system
</l2tp-destination-logical-system>
<l2tp-destination-lockout-state>
  l2tp-destination-lockout-state
</l2tp-destination-lockout-state>
</l2tp-destination-entry>
```

**Description** L2TP destination information

### <l2tp-destination-entry>

#### Usage

```
<l2tp-destination-table>
  <l2tp-destination-entry>
    <l2tp-destination-local-name>
      l2tp-destination-local-name
```

```

</l2tp-destination-local-name>
<l2tp-destination-remote-ip>
  l2tp-destination-remote-ip
</l2tp-destination-remote-ip>
<l2tp-destination-state>
  l2tp-destination-state
</l2tp-destination-state>
<l2tp-destination-tunnel-count>
  l2tp-destination-tunnel-count
</l2tp-destination-tunnel-count>
<l2tp-destination-tunnel-total>
  l2tp-destination-tunnel-total
</l2tp-destination-tunnel-total>
<l2tp-destination-tunnel-active>
  l2tp-destination-tunnel-active
</l2tp-destination-tunnel-active>
<l2tp-destination-tunnel-failed>
  l2tp-destination-tunnel-failed
</l2tp-destination-tunnel-failed>
<l2tp-destination-session-count>
  l2tp-destination-session-count
</l2tp-destination-session-count>
<l2tp-destination-session-total>
  l2tp-destination-session-total
</l2tp-destination-session-total>
<l2tp-destination-session-active>
  l2tp-destination-session-active
</l2tp-destination-session-active>
<l2tp-destination-session-failed>
  l2tp-destination-session-failed
</l2tp-destination-session-failed>
<l2tp-destination-local-ip>
  l2tp-destination-local-ip
</l2tp-destination-local-ip>
<l2tp-destination-maximum-tunnels>
  l2tp-destination-maximum-tunnels
</l2tp-destination-maximum-tunnels>
<l2tp-destination-transport>
  l2tp-destination-transport
</l2tp-destination-transport>
<l2tp-destination-router-instance>
  l2tp-destination-router-instance
</l2tp-destination-router-instance>
<l2tp-destination-logical-system>
  l2tp-destination-logical-system
</l2tp-destination-logical-system>
<l2tp-destination-lockout-state>
  l2tp-destination-lockout-state
</l2tp-destination-lockout-state>
</l2tp-destination-entry>
</l2tp-destination-table>

```

**Description** L2TP destination information

## &lt;l2tp-destination-entry&gt;

## Usage

```
<service-l2tp-destination-information>
<l2tp-destination-table>
  <l2tp-destination-entry>
    <l2tp-destination-local-name>
      l2tp-destination-local-name
    </l2tp-destination-local-name>
    <l2tp-destination-remote-ip>
      l2tp-destination-remote-ip
    </l2tp-destination-remote-ip>
    <l2tp-destination-state>
      l2tp-destination-state
    </l2tp-destination-state>
    <l2tp-destination-tunnel-count>
      l2tp-destination-tunnel-count
    </l2tp-destination-tunnel-count>
    <l2tp-destination-tunnel-total>
      l2tp-destination-tunnel-total
    </l2tp-destination-tunnel-total>
    <l2tp-destination-tunnel-active>
      l2tp-destination-tunnel-active
    </l2tp-destination-tunnel-active>
    <l2tp-destination-tunnel-failed>
      l2tp-destination-tunnel-failed
    </l2tp-destination-tunnel-failed>
    <l2tp-destination-session-count>
      l2tp-destination-session-count
    </l2tp-destination-session-count>
    <l2tp-destination-session-total>
      l2tp-destination-session-total
    </l2tp-destination-session-total>
    <l2tp-destination-session-active>
      l2tp-destination-session-active
    </l2tp-destination-session-active>
    <l2tp-destination-session-failed>
      l2tp-destination-session-failed
    </l2tp-destination-session-failed>
    <l2tp-destination-local-ip>
      l2tp-destination-local-ip
    </l2tp-destination-local-ip>
    <l2tp-destination-maximum-tunnels>
      l2tp-destination-maximum-tunnels
    </l2tp-destination-maximum-tunnels>
    <l2tp-destination-transport>
      l2tp-destination-transport
    </l2tp-destination-transport>
    <l2tp-destination-router-instance>
      l2tp-destination-router-instance
    </l2tp-destination-router-instance>
    <l2tp-destination-logical-system>
      l2tp-destination-logical-system
    </l2tp-destination-logical-system>
    <l2tp-destination-lockout-state>
```

```

        l2tp-destination-lockout-state
      </l2tp-destination-lockout-state>
    </l2tp-destination-entry>
  </l2tp-destination-table>
</service-l2tp-destination-information>

```

**Description** L2TP destination information

### <l2tp-destination-table>

#### Usage

```

<l2tp-destination-table>
  <l2tp-destination-entry>....</l2tp-destination-entry>
</l2tp-destination-table>

```

**Description** Destination table

### <l2tp-destination-table>

#### Usage

```

<service-l2tp-destination-information>
  <l2tp-destination-table>
    <l2tp-destination-entry>....</l2tp-destination-entry>
  </l2tp-destination-table>
</service-l2tp-destination-information>

```

**Description** Destination table

### <l2tp-lac-summary-table>

#### Usage

```

<service-l2tp-lac-summary-information>
  <l2tp-lac-summary-table>
</l2tp-lac-summary-table>
</service-l2tp-lac-summary-information>

```

**Description**

### <l2tp-multilink-clear-entry>

#### Usage

```

<l2tp-multilink-clear-entry>
  <l2tp-multilink-bundle-id>
    l2tp-multilink-bundle-id
  </l2tp-multilink-bundle-id>
</l2tp-multilink-clear-entry>

```

**Description** Multilink information cleared by L2TP

## <l2tp-multilink-clear-entry>

### Usage

```
<service-l2tp-multilink-clear-information>
  <l2tp-multilink-clear-entry>
    <l2tp-multilink-bundle-id>
      l2tp-multilink-bundle-id
    </l2tp-multilink-bundle-id>
  </l2tp-multilink-clear-entry>
</service-l2tp-multilink-clear-information>
```

**Description** Multilink information cleared by L2TP

## <l2tp-multilink-entry>

### Usage

```
<l2tp-multilink-entry>
  <l2tp-multilink-bundle-id>
    l2tp-multilink-bundle-id
  </l2tp-multilink-bundle-id>
  <l2tp-multilink-bundle-endpoint>
    l2tp-multilink-bundle-endpoint
  </l2tp-multilink-bundle-endpoint>
  <l2tp-multilink-bundle-num-links>
    l2tp-multilink-bundle-num-links
  </l2tp-multilink-bundle-num-links>
  <l2tp-multilink-bundle-mrru-input>
    l2tp-multilink-bundle-mrru-input
  </l2tp-multilink-bundle-mrru-input>
  <l2tp-multilink-bundle-mrru-output>
    l2tp-multilink-bundle-mrru-output
  </l2tp-multilink-bundle-mrru-output>
  <l2tp-statistics-since>
    l2tp-statistics-since
  </l2tp-statistics-since>
  <l2tp-control-tx-packets>
    l2tp-control-tx-packets
  </l2tp-control-tx-packets>
  <l2tp-control-rx-packets>
    l2tp-control-rx-packets
  </l2tp-control-rx-packets>
  <l2tp-data-tx-packets>
    l2tp-data-tx-packets
  </l2tp-data-tx-packets>
  <l2tp-data-rx-packets>
    l2tp-data-rx-packets
  </l2tp-data-rx-packets>
  <l2tp-control-tx-bytes>
    l2tp-control-tx-bytes
  </l2tp-control-tx-bytes>
  <l2tp-control-rx-bytes>
    l2tp-control-rx-bytes
  </l2tp-control-rx-bytes>
```



```

<l2tp-data-tx-bytes>
  l2tp-data-tx-bytes
</l2tp-data-tx-bytes>
<l2tp-data-rx-bytes>
  l2tp-data-rx-bytes
</l2tp-data-rx-bytes>
<l2tp-error-tx-packets>
  l2tp-error-tx-packets
</l2tp-error-tx-packets>
<l2tp-error-rx-packets>
  l2tp-error-rx-packets
</l2tp-error-rx-packets>
<l2tp-multilink-links>....</l2tp-multilink-links>
</l2tp-multilink-entry>

```

**Description** L2TP multilink information

### <l2tp-multilink-entry>

#### Usage

```

<services-l2tp-multilink-information>
  <l2tp-multilink-entry>
    <l2tp-multilink-bundle-id>
      l2tp-multilink-bundle-id
    </l2tp-multilink-bundle-id>
    <l2tp-multilink-bundle-endpoint>
      l2tp-multilink-bundle-endpoint
    </l2tp-multilink-bundle-endpoint>
    <l2tp-multilink-bundle-num-links>
      l2tp-multilink-bundle-num-links
    </l2tp-multilink-bundle-num-links>
    <l2tp-multilink-bundle-mrru-input>
      l2tp-multilink-bundle-mrru-input
    </l2tp-multilink-bundle-mrru-input>
    <l2tp-multilink-bundle-mrru-output>
      l2tp-multilink-bundle-mrru-output
    </l2tp-multilink-bundle-mrru-output>
    <l2tp-statistics-since>
      l2tp-statistics-since
    </l2tp-statistics-since>
    <l2tp-control-tx-packets>
      l2tp-control-tx-packets
    </l2tp-control-tx-packets>
    <l2tp-control-rx-packets>
      l2tp-control-rx-packets
    </l2tp-control-rx-packets>
    <l2tp-data-tx-packets>
      l2tp-data-tx-packets
    </l2tp-data-tx-packets>
    <l2tp-data-rx-packets>
      l2tp-data-rx-packets
    </l2tp-data-rx-packets>
    <l2tp-control-tx-bytes>
      l2tp-control-tx-bytes

```

```
</l2tp-control-tx-bytes>
<l2tp-control-rx-bytes>
  l2tp-control-rx-bytes
</l2tp-control-rx-bytes>
<l2tp-data-tx-bytes>
  l2tp-data-tx-bytes
</l2tp-data-tx-bytes>
<l2tp-data-rx-bytes>
  l2tp-data-rx-bytes
</l2tp-data-rx-bytes>
<l2tp-error-tx-packets>
  l2tp-error-tx-packets
</l2tp-error-tx-packets>
<l2tp-error-rx-packets>
  l2tp-error-rx-packets
</l2tp-error-rx-packets>
<l2tp-multilink-links>....</l2tp-multilink-links>
</l2tp-multilink-entry>
</services-l2tp-multilink-information>
```

**Description** L2TP multilink information

### <l2tp-multilink-links>

#### Usage

```
<l2tp-multilink-links>
<l2tp-session-entry>....</l2tp-session-entry>
</l2tp-multilink-links>
```

**Description** L2TP multilink bundle links

### <l2tp-multilink-links>

#### Usage

```
<l2tp-multilink-entry>
<l2tp-multilink-links>
  <l2tp-session-entry>....</l2tp-session-entry>
</l2tp-multilink-links>
</l2tp-multilink-entry>
```

**Description** L2TP multilink bundle links

### <l2tp-multilink-links>

#### Usage

```
<services-l2tp-multilink-information>
<l2tp-multilink-entry>
  <l2tp-multilink-links>
    <l2tp-session-entry>....</l2tp-session-entry>
  </l2tp-multilink-links>
</l2tp-multilink-entry>
```

```
</services-l2tp-multilink-information>
```

**Description** L2TP multilink bundle links

### <l2tp-per-tunnel-group-tunnel-table>

#### Usage

```
<l2tp-per-tunnel-group-tunnel-table>
  <tunnel-group-name>
    tunnel-group-name
  </tunnel-group-name>
  <interface-name>
    interface-name
  </interface-name>
  <l2tp-tunnel-table>....</l2tp-tunnel-table>
</l2tp-per-tunnel-group-tunnel-table>
```

**Description** Tunnel table sorted by tunnel group

### <l2tp-per-tunnel-group-tunnel-table>

#### Usage

```
<service-l2tp-tunnel-information>
  <l2tp-per-tunnel-group-tunnel-table>
    <tunnel-group-name>
      tunnel-group-name
    </tunnel-group-name>
    <interface-name>
      interface-name
    </interface-name>
    <l2tp-tunnel-table>....</l2tp-tunnel-table>
  </l2tp-per-tunnel-group-tunnel-table>
</service-l2tp-tunnel-information>
```

**Description** Tunnel table sorted by tunnel group

### <l2tp-per-tunnel-session-table>

#### Usage

```
<l2tp-per-tunnel-session-table>
  <tunnel-group-name>
    tunnel-group-name
  </tunnel-group-name>
  <interface-name>
    interface-name
  </interface-name>
  <l2tp-tunnel-local-id>
    l2tp-tunnel-local-id
  </l2tp-tunnel-local-id>
  <l2tp-session-table>....</l2tp-session-table>
```

</l2tp-per-tunnel-session-table>

**Description** Session table sorted by tunnel

### <l2tp-per-tunnel-session-table>

**Usage**

```
<service-l2tp-session-information>
  <l2tp-per-tunnel-session-table>
    <tunnel-group-name>
      tunnel-group-name
    </tunnel-group-name>
    <interface-name>
      interface-name
    </interface-name>
    <l2tp-tunnel-local-id>
      l2tp-tunnel-local-id
    </l2tp-tunnel-local-id>
    <l2tp-session-table>....</l2tp-session-table>
  </l2tp-per-tunnel-session-table>
</service-l2tp-session-information>
```

**Description** Session table sorted by tunnel

### <l2tp-per-tunnel-user-table>

**Usage**

```
<service-l2tp-user-information>
  <l2tp-per-tunnel-user-table>
</l2tp-per-tunnel-user-table>
</service-l2tp-user-information>
```

**Description**

### <l2tp-session-clear-entry>

**Usage**

```
<l2tp-session-clear-entry>
  <l2tp-session-local-id>
    l2tp-session-local-id
  </l2tp-session-local-id>
</l2tp-session-clear-entry>
```

**Description** L2TP cleared session information

### <l2tp-session-clear-entry>

**Usage**

```
<service-l2tp-session-clear-information>
  <l2tp-session-clear-entry>
```

```

    <l2tp-session-local-id>
      l2tp-session-local-id
    </l2tp-session-local-id>
  </l2tp-session-clear-entry>
</service-l2tp-session-clear-information>

```

**Description** L2TP cleared session information

## <l2tp-session-entry>

### Usage

```

<l2tp-session-entry>
  <l2tp-session-local-id>
    l2tp-session-local-id
  </l2tp-session-local-id>
  <l2tp-session-remote-id>
    l2tp-session-remote-id
  </l2tp-session-remote-id>
  <l2tp-session-remote-ip>
    l2tp-session-remote-ip
  </l2tp-session-remote-ip>
  <l2tp-session-local-ip>
    l2tp-session-local-ip
  </l2tp-session-local-ip>
  <l2tp-session-state>
    l2tp-session-state
  </l2tp-session-state>
  <l2tp-session-bundle-id>
    l2tp-session-bundle-id
  </l2tp-session-bundle-id>
  <l2tp-session-user-name>
    l2tp-session-user-name
  </l2tp-session-user-name>
  <l2tp-session-own-ip>
    l2tp-session-own-ip
  </l2tp-session-own-ip>
  <l2tp-session-peer-ip>
    l2tp-session-peer-ip
  </l2tp-session-peer-ip>
  <l2tp-session-local-name>
    l2tp-session-local-name
  </l2tp-session-local-name>
  <l2tp-session-remote-name>
    l2tp-session-remote-name
  </l2tp-session-remote-name>
  <l2tp-session-mode>
    l2tp-session-mode
  </l2tp-session-mode>
  <l2tp-session-local-mru>
    l2tp-session-local-mru
  </l2tp-session-local-mru>
  <l2tp-session-remote-mru>
    l2tp-session-remote-mru
  </l2tp-session-remote-mru>

```

```
<l2tp-session-tx-speed>
  l2tp-session-tx-speed
</l2tp-session-tx-speed>
<l2tp-session-rx-speed>
  l2tp-session-rx-speed
</l2tp-session-rx-speed>
<l2tp-session-bearer-type>
  l2tp-session-bearer-type
</l2tp-session-bearer-type>
<l2tp-session-framing-type>
  l2tp-session-framing-type
</l2tp-session-framing-type>
<l2tp-session-lcp-renegotiation>
  l2tp-session-lcp-renegotiation
</l2tp-session-lcp-renegotiation>
<l2tp-session-authentication>
  l2tp-session-authentication
</l2tp-session-authentication>
<l2tp-session-interface-id>
  l2tp-session-interface-id
</l2tp-session-interface-id>
<l2tp-session-interface-unit>
  l2tp-session-interface-unit
</l2tp-session-interface-unit>
<l2tp-session-call-serial-number>
  l2tp-session-call-serial-number
</l2tp-session-call-serial-number>
<l2tp-session-policer-bandwidth>
  l2tp-session-policer-bandwidth
</l2tp-session-policer-bandwidth>
<l2tp-session-policer-exclude-bandwidth>
  l2tp-session-policer-exclude-bandwidth
</l2tp-session-policer-exclude-bandwidth>
<l2tp-session-policer-burstsize>
  l2tp-session-policer-burstsize
</l2tp-session-policer-burstsize>
<l2tp-session-firewall-filter>
  l2tp-session-firewall-filter
</l2tp-session-firewall-filter>
<l2tp-session-encapsulation-overhead>
  l2tp-session-encapsulation-overhead
</l2tp-session-encapsulation-overhead>
<l2tp-session-cell-overhead>
  l2tp-session-cell-overhead
</l2tp-session-cell-overhead>
<l2tp-session-create-time>
  l2tp-session-create-time
</l2tp-session-create-time>
<l2tp-session-interface-name>
  l2tp-session-interface-name
</l2tp-session-interface-name>
<l2tp-statistics-since>
  l2tp-statistics-since
</l2tp-statistics-since>
<l2tp-control-tx-packets>
  l2tp-control-tx-packets
```

```

</l2tp-control-tx-packets>
<l2tp-control-rx-packets>
  l2tp-control-rx-packets
</l2tp-control-rx-packets>
<l2tp-data-tx-packets>
  l2tp-data-tx-packets
</l2tp-data-tx-packets>
<l2tp-data-rx-packets>
  l2tp-data-rx-packets
</l2tp-data-rx-packets>
<l2tp-control-tx-bytes>
  l2tp-control-tx-bytes
</l2tp-control-tx-bytes>
<l2tp-control-rx-bytes>
  l2tp-control-rx-bytes
</l2tp-control-rx-bytes>
<l2tp-data-tx-bytes>
  l2tp-data-tx-bytes
</l2tp-data-tx-bytes>
<l2tp-data-rx-bytes>
  l2tp-data-rx-bytes
</l2tp-data-rx-bytes>
<l2tp-error-tx-packets>
  l2tp-error-tx-packets
</l2tp-error-tx-packets>
<l2tp-error-rx-packets>
  l2tp-error-rx-packets
</l2tp-error-rx-packets>
<l2tp-create-time>
  l2tp-create-time
</l2tp-create-time>
<l2tp-up-time>
  l2tp-up-time
</l2tp-up-time>
<l2tp-idle-time>
  l2tp-idle-time
</l2tp-idle-time>
</l2tp-session-entry>

```

**Description** L2TP session information

### <l2tp-session-entry>

#### Usage

```

<l2tp-session-table>
  <l2tp-session-entry>
    <l2tp-session-local-id>
      l2tp-session-local-id
    </l2tp-session-local-id>
    <l2tp-session-remote-id>
      l2tp-session-remote-id
    </l2tp-session-remote-id>
    <l2tp-session-remote-ip>
      l2tp-session-remote-ip

```

```
</l2tp-session-remote-ip>
<l2tp-session-local-ip>
  l2tp-session-local-ip
</l2tp-session-local-ip>
<l2tp-session-state>
  l2tp-session-state
</l2tp-session-state>
<l2tp-session-bundle-id>
  l2tp-session-bundle-id
</l2tp-session-bundle-id>
<l2tp-session-user-name>
  l2tp-session-user-name
</l2tp-session-user-name>
<l2tp-session-own-ip>
  l2tp-session-own-ip
</l2tp-session-own-ip>
<l2tp-session-peer-ip>
  l2tp-session-peer-ip
</l2tp-session-peer-ip>
<l2tp-session-local-name>
  l2tp-session-local-name
</l2tp-session-local-name>
<l2tp-session-remote-name>
  l2tp-session-remote-name
</l2tp-session-remote-name>
<l2tp-session-mode>
  l2tp-session-mode
</l2tp-session-mode>
<l2tp-session-local-mru>
  l2tp-session-local-mru
</l2tp-session-local-mru>
<l2tp-session-remote-mru>
  l2tp-session-remote-mru
</l2tp-session-remote-mru>
<l2tp-session-tx-speed>
  l2tp-session-tx-speed
</l2tp-session-tx-speed>
<l2tp-session-rx-speed>
  l2tp-session-rx-speed
</l2tp-session-rx-speed>
<l2tp-session-bearer-type>
  l2tp-session-bearer-type
</l2tp-session-bearer-type>
<l2tp-session-framing-type>
  l2tp-session-framing-type
</l2tp-session-framing-type>
<l2tp-session-lcp-renegotiation>
  l2tp-session-lcp-renegotiation
</l2tp-session-lcp-renegotiation>
<l2tp-session-authentication>
  l2tp-session-authentication
</l2tp-session-authentication>
<l2tp-session-interface-id>
  l2tp-session-interface-id
</l2tp-session-interface-id>
<l2tp-session-interface-unit>
```



```
l2tp-session-interface-unit
</l2tp-session-interface-unit>
<l2tp-session-call-serial-number>
  l2tp-session-call-serial-number
</l2tp-session-call-serial-number>
<l2tp-session-policer-bandwidth>
  l2tp-session-policer-bandwidth
</l2tp-session-policer-bandwidth>
<l2tp-session-policer-exclude-bandwidth>
  l2tp-session-policer-exclude-bandwidth
</l2tp-session-policer-exclude-bandwidth>
<l2tp-session-policer-burstsize>
  l2tp-session-policer-burstsize
</l2tp-session-policer-burstsize>
<l2tp-session-firewall-filter>
  l2tp-session-firewall-filter
</l2tp-session-firewall-filter>
<l2tp-session-encapsulation-overhead>
  l2tp-session-encapsulation-overhead
</l2tp-session-encapsulation-overhead>
<l2tp-session-cell-overhead>
  l2tp-session-cell-overhead
</l2tp-session-cell-overhead>
<l2tp-session-create-time>
  l2tp-session-create-time
</l2tp-session-create-time>
<l2tp-session-interface-name>
  l2tp-session-interface-name
</l2tp-session-interface-name>
<l2tp-statistics-since>
  l2tp-statistics-since
</l2tp-statistics-since>
<l2tp-control-tx-packets>
  l2tp-control-tx-packets
</l2tp-control-tx-packets>
<l2tp-control-rx-packets>
  l2tp-control-rx-packets
</l2tp-control-rx-packets>
<l2tp-data-tx-packets>
  l2tp-data-tx-packets
</l2tp-data-tx-packets>
<l2tp-data-rx-packets>
  l2tp-data-rx-packets
</l2tp-data-rx-packets>
<l2tp-control-tx-bytes>
  l2tp-control-tx-bytes
</l2tp-control-tx-bytes>
<l2tp-control-rx-bytes>
  l2tp-control-rx-bytes
</l2tp-control-rx-bytes>
<l2tp-data-tx-bytes>
  l2tp-data-tx-bytes
</l2tp-data-tx-bytes>
<l2tp-data-rx-bytes>
  l2tp-data-rx-bytes
</l2tp-data-rx-bytes>
```

```
<l2tp-error-tx-packets>
  l2tp-error-tx-packets
</l2tp-error-tx-packets>
<l2tp-error-rx-packets>
  l2tp-error-rx-packets
</l2tp-error-rx-packets>
<l2tp-create-time>
  l2tp-create-time
</l2tp-create-time>
<l2tp-up-time>
  l2tp-up-time
</l2tp-up-time>
<l2tp-idle-time>
  l2tp-idle-time
</l2tp-idle-time>
</l2tp-session-entry>
</l2tp-session-table>
```

**Description** L2TP session information

### <l2tp-session-entry>

#### Usage

```
<l2tp-per-tunnel-session-table>
<l2tp-session-table>
  <l2tp-session-entry>
    <l2tp-session-local-id>
      l2tp-session-local-id
    </l2tp-session-local-id>
    <l2tp-session-remote-id>
      l2tp-session-remote-id
    </l2tp-session-remote-id>
    <l2tp-session-remote-ip>
      l2tp-session-remote-ip
    </l2tp-session-remote-ip>
    <l2tp-session-local-ip>
      l2tp-session-local-ip
    </l2tp-session-local-ip>
    <l2tp-session-state>
      l2tp-session-state
    </l2tp-session-state>
    <l2tp-session-bundle-id>
      l2tp-session-bundle-id
    </l2tp-session-bundle-id>
    <l2tp-session-user-name>
      l2tp-session-user-name
    </l2tp-session-user-name>
    <l2tp-session-own-ip>
      l2tp-session-own-ip
    </l2tp-session-own-ip>
    <l2tp-session-peer-ip>
      l2tp-session-peer-ip
    </l2tp-session-peer-ip>
    <l2tp-session-local-name>
```

```
    l2tp-session-local-name
  </l2tp-session-local-name>
  <l2tp-session-remote-name>
    l2tp-session-remote-name
  </l2tp-session-remote-name>
  <l2tp-session-mode>
    l2tp-session-mode
  </l2tp-session-mode>
  <l2tp-session-local-mru>
    l2tp-session-local-mru
  </l2tp-session-local-mru>
  <l2tp-session-remote-mru>
    l2tp-session-remote-mru
  </l2tp-session-remote-mru>
  <l2tp-session-tx-speed>
    l2tp-session-tx-speed
  </l2tp-session-tx-speed>
  <l2tp-session-rx-speed>
    l2tp-session-rx-speed
  </l2tp-session-rx-speed>
  <l2tp-session-bearer-type>
    l2tp-session-bearer-type
  </l2tp-session-bearer-type>
  <l2tp-session-framing-type>
    l2tp-session-framing-type
  </l2tp-session-framing-type>
  <l2tp-session-lcp-renegotiation>
    l2tp-session-lcp-renegotiation
  </l2tp-session-lcp-renegotiation>
  <l2tp-session-authentication>
    l2tp-session-authentication
  </l2tp-session-authentication>
  <l2tp-session-interface-id>
    l2tp-session-interface-id
  </l2tp-session-interface-id>
  <l2tp-session-interface-unit>
    l2tp-session-interface-unit
  </l2tp-session-interface-unit>
  <l2tp-session-call-serial-number>
    l2tp-session-call-serial-number
  </l2tp-session-call-serial-number>
  <l2tp-session-policer-bandwidth>
    l2tp-session-policer-bandwidth
  </l2tp-session-policer-bandwidth>
  <l2tp-session-policer-exclude-bandwidth>
    l2tp-session-policer-exclude-bandwidth
  </l2tp-session-policer-exclude-bandwidth>
  <l2tp-session-policer-burstsize>
    l2tp-session-policer-burstsize
  </l2tp-session-policer-burstsize>
  <l2tp-session-firewall-filter>
    l2tp-session-firewall-filter
  </l2tp-session-firewall-filter>
  <l2tp-session-encapsulation-overhead>
    l2tp-session-encapsulation-overhead
  </l2tp-session-encapsulation-overhead>
```

```
<l2tp-session-cell-overhead>
  l2tp-session-cell-overhead
</l2tp-session-cell-overhead>
<l2tp-session-create-time>
  l2tp-session-create-time
</l2tp-session-create-time>
<l2tp-session-interface-name>
  l2tp-session-interface-name
</l2tp-session-interface-name>
<l2tp-statistics-since>
  l2tp-statistics-since
</l2tp-statistics-since>
<l2tp-control-tx-packets>
  l2tp-control-tx-packets
</l2tp-control-tx-packets>
<l2tp-control-rx-packets>
  l2tp-control-rx-packets
</l2tp-control-rx-packets>
<l2tp-data-tx-packets>
  l2tp-data-tx-packets
</l2tp-data-tx-packets>
<l2tp-data-rx-packets>
  l2tp-data-rx-packets
</l2tp-data-rx-packets>
<l2tp-control-tx-bytes>
  l2tp-control-tx-bytes
</l2tp-control-tx-bytes>
<l2tp-control-rx-bytes>
  l2tp-control-rx-bytes
</l2tp-control-rx-bytes>
<l2tp-data-tx-bytes>
  l2tp-data-tx-bytes
</l2tp-data-tx-bytes>
<l2tp-data-rx-bytes>
  l2tp-data-rx-bytes
</l2tp-data-rx-bytes>
<l2tp-error-tx-packets>
  l2tp-error-tx-packets
</l2tp-error-tx-packets>
<l2tp-error-rx-packets>
  l2tp-error-rx-packets
</l2tp-error-rx-packets>
<l2tp-create-time>
  l2tp-create-time
</l2tp-create-time>
<l2tp-up-time>
  l2tp-up-time
</l2tp-up-time>
<l2tp-idle-time>
  l2tp-idle-time
</l2tp-idle-time>
</l2tp-session-entry>
</l2tp-session-table>
</l2tp-per-tunnel-session-table>
```

**Description** L2TP session information

## <l2tp-session-entry>

### Usage

```
<l2tp-multilink-links>
<l2tp-session-entry>
  <l2tp-session-local-id>
    l2tp-session-local-id
  </l2tp-session-local-id>
  <l2tp-session-remote-id>
    l2tp-session-remote-id
  </l2tp-session-remote-id>
  <l2tp-session-remote-ip>
    l2tp-session-remote-ip
  </l2tp-session-remote-ip>
  <l2tp-session-local-ip>
    l2tp-session-local-ip
  </l2tp-session-local-ip>
  <l2tp-session-state>
    l2tp-session-state
  </l2tp-session-state>
  <l2tp-session-bundle-id>
    l2tp-session-bundle-id
  </l2tp-session-bundle-id>
  <l2tp-session-user-name>
    l2tp-session-user-name
  </l2tp-session-user-name>
  <l2tp-session-own-ip>
    l2tp-session-own-ip
  </l2tp-session-own-ip>
  <l2tp-session-peer-ip>
    l2tp-session-peer-ip
  </l2tp-session-peer-ip>
  <l2tp-session-local-name>
    l2tp-session-local-name
  </l2tp-session-local-name>
  <l2tp-session-remote-name>
    l2tp-session-remote-name
  </l2tp-session-remote-name>
  <l2tp-session-mode>
    l2tp-session-mode
  </l2tp-session-mode>
  <l2tp-session-local-mru>
    l2tp-session-local-mru
  </l2tp-session-local-mru>
  <l2tp-session-remote-mru>
    l2tp-session-remote-mru
  </l2tp-session-remote-mru>
  <l2tp-session-tx-speed>
    l2tp-session-tx-speed
  </l2tp-session-tx-speed>
  <l2tp-session-rx-speed>
    l2tp-session-rx-speed
  </l2tp-session-rx-speed>
```

```
<l2tp-session-bearer-type>
  l2tp-session-bearer-type
</l2tp-session-bearer-type>
<l2tp-session-framing-type>
  l2tp-session-framing-type
</l2tp-session-framing-type>
<l2tp-session-lcp-renegotiation>
  l2tp-session-lcp-renegotiation
</l2tp-session-lcp-renegotiation>
<l2tp-session-authentication>
  l2tp-session-authentication
</l2tp-session-authentication>
<l2tp-session-interface-id>
  l2tp-session-interface-id
</l2tp-session-interface-id>
<l2tp-session-interface-unit>
  l2tp-session-interface-unit
</l2tp-session-interface-unit>
<l2tp-session-call-serial-number>
  l2tp-session-call-serial-number
</l2tp-session-call-serial-number>
<l2tp-session-policer-bandwidth>
  l2tp-session-policer-bandwidth
</l2tp-session-policer-bandwidth>
<l2tp-session-policer-exclude-bandwidth>
  l2tp-session-policer-exclude-bandwidth
</l2tp-session-policer-exclude-bandwidth>
<l2tp-session-policer-burstsize>
  l2tp-session-policer-burstsize
</l2tp-session-policer-burstsize>
<l2tp-session-firewall-filter>
  l2tp-session-firewall-filter
</l2tp-session-firewall-filter>
<l2tp-session-encapsulation-overhead>
  l2tp-session-encapsulation-overhead
</l2tp-session-encapsulation-overhead>
<l2tp-session-cell-overhead>
  l2tp-session-cell-overhead
</l2tp-session-cell-overhead>
<l2tp-session-create-time>
  l2tp-session-create-time
</l2tp-session-create-time>
<l2tp-session-interface-name>
  l2tp-session-interface-name
</l2tp-session-interface-name>
<l2tp-statistics-since>
  l2tp-statistics-since
</l2tp-statistics-since>
<l2tp-control-tx-packets>
  l2tp-control-tx-packets
</l2tp-control-tx-packets>
<l2tp-control-rx-packets>
  l2tp-control-rx-packets
</l2tp-control-rx-packets>
<l2tp-data-tx-packets>
  l2tp-data-tx-packets
```

```

</l2tp-data-tx-packets>
<l2tp-data-rx-packets>
  l2tp-data-rx-packets
</l2tp-data-rx-packets>
<l2tp-control-tx-bytes>
  l2tp-control-tx-bytes
</l2tp-control-tx-bytes>
<l2tp-control-rx-bytes>
  l2tp-control-rx-bytes
</l2tp-control-rx-bytes>
<l2tp-data-tx-bytes>
  l2tp-data-tx-bytes
</l2tp-data-tx-bytes>
<l2tp-data-rx-bytes>
  l2tp-data-rx-bytes
</l2tp-data-rx-bytes>
<l2tp-error-tx-packets>
  l2tp-error-tx-packets
</l2tp-error-tx-packets>
<l2tp-error-rx-packets>
  l2tp-error-rx-packets
</l2tp-error-rx-packets>
<l2tp-create-time>
  l2tp-create-time
</l2tp-create-time>
<l2tp-up-time>
  l2tp-up-time
</l2tp-up-time>
<l2tp-idle-time>
  l2tp-idle-time
</l2tp-idle-time>
</l2tp-session-entry>
</l2tp-multilink-links>

```

**Description** L2TP session information

### <l2tp-session-entry>

#### Usage

```

<l2tp-multilink-entry>
<l2tp-multilink-links>
  <l2tp-session-entry>
    <l2tp-session-local-id>
      l2tp-session-local-id
    </l2tp-session-local-id>
    <l2tp-session-remote-id>
      l2tp-session-remote-id
    </l2tp-session-remote-id>
    <l2tp-session-remote-ip>
      l2tp-session-remote-ip
    </l2tp-session-remote-ip>
    <l2tp-session-local-ip>
      l2tp-session-local-ip
    </l2tp-session-local-ip>
  </l2tp-session-entry>
</l2tp-multilink-links>

```

```
<l2tp-session-state>
  l2tp-session-state
</l2tp-session-state>
<l2tp-session-bundle-id>
  l2tp-session-bundle-id
</l2tp-session-bundle-id>
<l2tp-session-user-name>
  l2tp-session-user-name
</l2tp-session-user-name>
<l2tp-session-own-ip>
  l2tp-session-own-ip
</l2tp-session-own-ip>
<l2tp-session-peer-ip>
  l2tp-session-peer-ip
</l2tp-session-peer-ip>
<l2tp-session-local-name>
  l2tp-session-local-name
</l2tp-session-local-name>
<l2tp-session-remote-name>
  l2tp-session-remote-name
</l2tp-session-remote-name>
<l2tp-session-mode>
  l2tp-session-mode
</l2tp-session-mode>
<l2tp-session-local-mru>
  l2tp-session-local-mru
</l2tp-session-local-mru>
<l2tp-session-remote-mru>
  l2tp-session-remote-mru
</l2tp-session-remote-mru>
<l2tp-session-tx-speed>
  l2tp-session-tx-speed
</l2tp-session-tx-speed>
<l2tp-session-rx-speed>
  l2tp-session-rx-speed
</l2tp-session-rx-speed>
<l2tp-session-bearer-type>
  l2tp-session-bearer-type
</l2tp-session-bearer-type>
<l2tp-session-framing-type>
  l2tp-session-framing-type
</l2tp-session-framing-type>
<l2tp-session-lcp-renegotiation>
  l2tp-session-lcp-renegotiation
</l2tp-session-lcp-renegotiation>
<l2tp-session-authentication>
  l2tp-session-authentication
</l2tp-session-authentication>
<l2tp-session-interface-id>
  l2tp-session-interface-id
</l2tp-session-interface-id>
<l2tp-session-interface-unit>
  l2tp-session-interface-unit
</l2tp-session-interface-unit>
<l2tp-session-call-serial-number>
  l2tp-session-call-serial-number
```



```
</l2tp-session-call-serial-number>
<l2tp-session-policer-bandwidth>
  l2tp-session-policer-bandwidth
</l2tp-session-policer-bandwidth>
<l2tp-session-policer-exclude-bandwidth>
  l2tp-session-policer-exclude-bandwidth
</l2tp-session-policer-exclude-bandwidth>
<l2tp-session-policer-burstsize>
  l2tp-session-policer-burstsize
</l2tp-session-policer-burstsize>
<l2tp-session-firewall-filter>
  l2tp-session-firewall-filter
</l2tp-session-firewall-filter>
<l2tp-session-encapsulation-overhead>
  l2tp-session-encapsulation-overhead
</l2tp-session-encapsulation-overhead>
<l2tp-session-cell-overhead>
  l2tp-session-cell-overhead
</l2tp-session-cell-overhead>
<l2tp-session-create-time>
  l2tp-session-create-time
</l2tp-session-create-time>
<l2tp-session-interface-name>
  l2tp-session-interface-name
</l2tp-session-interface-name>
<l2tp-statistics-since>
  l2tp-statistics-since
</l2tp-statistics-since>
<l2tp-control-tx-packets>
  l2tp-control-tx-packets
</l2tp-control-tx-packets>
<l2tp-control-rx-packets>
  l2tp-control-rx-packets
</l2tp-control-rx-packets>
<l2tp-data-tx-packets>
  l2tp-data-tx-packets
</l2tp-data-tx-packets>
<l2tp-data-rx-packets>
  l2tp-data-rx-packets
</l2tp-data-rx-packets>
<l2tp-control-tx-bytes>
  l2tp-control-tx-bytes
</l2tp-control-tx-bytes>
<l2tp-control-rx-bytes>
  l2tp-control-rx-bytes
</l2tp-control-rx-bytes>
<l2tp-data-tx-bytes>
  l2tp-data-tx-bytes
</l2tp-data-tx-bytes>
<l2tp-data-rx-bytes>
  l2tp-data-rx-bytes
</l2tp-data-rx-bytes>
<l2tp-error-tx-packets>
  l2tp-error-tx-packets
</l2tp-error-tx-packets>
<l2tp-error-rx-packets>
```

```
    l2tp-error-rx-packets
  </l2tp-error-rx-packets>
  <l2tp-create-time>
    l2tp-create-time
  </l2tp-create-time>
  <l2tp-up-time>
    l2tp-up-time
  </l2tp-up-time>
  <l2tp-idle-time>
    l2tp-idle-time
  </l2tp-idle-time>
</l2tp-session-entry>
</l2tp-multilink-links>
</l2tp-multilink-entry>
```

**Description** L2TP session information

### <l2tp-session-entry>

#### Usage

```
<service-l2tp-session-information>
  <l2tp-per-tunnel-session-table>
    <l2tp-session-table>
      <l2tp-session-entry>
        <l2tp-session-local-id>
          l2tp-session-local-id
        </l2tp-session-local-id>
        <l2tp-session-remote-id>
          l2tp-session-remote-id
        </l2tp-session-remote-id>
        <l2tp-session-remote-ip>
          l2tp-session-remote-ip
        </l2tp-session-remote-ip>
        <l2tp-session-local-ip>
          l2tp-session-local-ip
        </l2tp-session-local-ip>
        <l2tp-session-state>
          l2tp-session-state
        </l2tp-session-state>
        <l2tp-session-bundle-id>
          l2tp-session-bundle-id
        </l2tp-session-bundle-id>
        <l2tp-session-user-name>
          l2tp-session-user-name
        </l2tp-session-user-name>
        <l2tp-session-own-ip>
          l2tp-session-own-ip
        </l2tp-session-own-ip>
        <l2tp-session-peer-ip>
          l2tp-session-peer-ip
        </l2tp-session-peer-ip>
        <l2tp-session-local-name>
          l2tp-session-local-name
        </l2tp-session-local-name>
```

```
<l2tp-session-remote-name>
  l2tp-session-remote-name
</l2tp-session-remote-name>
<l2tp-session-mode>
  l2tp-session-mode
</l2tp-session-mode>
<l2tp-session-local-mru>
  l2tp-session-local-mru
</l2tp-session-local-mru>
<l2tp-session-remote-mru>
  l2tp-session-remote-mru
</l2tp-session-remote-mru>
<l2tp-session-tx-speed>
  l2tp-session-tx-speed
</l2tp-session-tx-speed>
<l2tp-session-rx-speed>
  l2tp-session-rx-speed
</l2tp-session-rx-speed>
<l2tp-session-bearer-type>
  l2tp-session-bearer-type
</l2tp-session-bearer-type>
<l2tp-session-framing-type>
  l2tp-session-framing-type
</l2tp-session-framing-type>
<l2tp-session-lcp-renegotiation>
  l2tp-session-lcp-renegotiation
</l2tp-session-lcp-renegotiation>
<l2tp-session-authentication>
  l2tp-session-authentication
</l2tp-session-authentication>
<l2tp-session-interface-id>
  l2tp-session-interface-id
</l2tp-session-interface-id>
<l2tp-session-interface-unit>
  l2tp-session-interface-unit
</l2tp-session-interface-unit>
<l2tp-session-call-serial-number>
  l2tp-session-call-serial-number
</l2tp-session-call-serial-number>
<l2tp-session-policer-bandwidth>
  l2tp-session-policer-bandwidth
</l2tp-session-policer-bandwidth>
<l2tp-session-policer-exclude-bandwidth>
  l2tp-session-policer-exclude-bandwidth
</l2tp-session-policer-exclude-bandwidth>
<l2tp-session-policer-burstsize>
  l2tp-session-policer-burstsize
</l2tp-session-policer-burstsize>
<l2tp-session-firewall-filter>
  l2tp-session-firewall-filter
</l2tp-session-firewall-filter>
<l2tp-session-encapsulation-overhead>
  l2tp-session-encapsulation-overhead
</l2tp-session-encapsulation-overhead>
<l2tp-session-cell-overhead>
  l2tp-session-cell-overhead
```

```
</l2tp-session-cell-overhead>
<l2tp-session-create-time>
  l2tp-session-create-time
</l2tp-session-create-time>
<l2tp-session-interface-name>
  l2tp-session-interface-name
</l2tp-session-interface-name>
<l2tp-statistics-since>
  l2tp-statistics-since
</l2tp-statistics-since>
<l2tp-control-tx-packets>
  l2tp-control-tx-packets
</l2tp-control-tx-packets>
<l2tp-control-rx-packets>
  l2tp-control-rx-packets
</l2tp-control-rx-packets>
<l2tp-data-tx-packets>
  l2tp-data-tx-packets
</l2tp-data-tx-packets>
<l2tp-data-rx-packets>
  l2tp-data-rx-packets
</l2tp-data-rx-packets>
<l2tp-control-tx-bytes>
  l2tp-control-tx-bytes
</l2tp-control-tx-bytes>
<l2tp-control-rx-bytes>
  l2tp-control-rx-bytes
</l2tp-control-rx-bytes>
<l2tp-data-tx-bytes>
  l2tp-data-tx-bytes
</l2tp-data-tx-bytes>
<l2tp-data-rx-bytes>
  l2tp-data-rx-bytes
</l2tp-data-rx-bytes>
<l2tp-error-tx-packets>
  l2tp-error-tx-packets
</l2tp-error-tx-packets>
<l2tp-error-rx-packets>
  l2tp-error-rx-packets
</l2tp-error-rx-packets>
<l2tp-create-time>
  l2tp-create-time
</l2tp-create-time>
<l2tp-up-time>
  l2tp-up-time
</l2tp-up-time>
<l2tp-idle-time>
  l2tp-idle-time
</l2tp-idle-time>
</l2tp-session-entry>
</l2tp-session-table>
</l2tp-per-tunnel-session-table>
</service-l2tp-session-information>
```

**Description** L2TP session information

## <l2tp-session-entry>

### Usage

```
<services-l2tp-multilink-information>
  <l2tp-multilink-entry>
    <l2tp-multilink-links>
      <l2tp-session-entry>
        <l2tp-session-local-id>
          l2tp-session-local-id
        </l2tp-session-local-id>
        <l2tp-session-remote-id>
          l2tp-session-remote-id
        </l2tp-session-remote-id>
        <l2tp-session-remote-ip>
          l2tp-session-remote-ip
        </l2tp-session-remote-ip>
        <l2tp-session-local-ip>
          l2tp-session-local-ip
        </l2tp-session-local-ip>
        <l2tp-session-state>
          l2tp-session-state
        </l2tp-session-state>
        <l2tp-session-bundle-id>
          l2tp-session-bundle-id
        </l2tp-session-bundle-id>
        <l2tp-session-user-name>
          l2tp-session-user-name
        </l2tp-session-user-name>
        <l2tp-session-own-ip>
          l2tp-session-own-ip
        </l2tp-session-own-ip>
        <l2tp-session-peer-ip>
          l2tp-session-peer-ip
        </l2tp-session-peer-ip>
        <l2tp-session-local-name>
          l2tp-session-local-name
        </l2tp-session-local-name>
        <l2tp-session-remote-name>
          l2tp-session-remote-name
        </l2tp-session-remote-name>
        <l2tp-session-mode>
          l2tp-session-mode
        </l2tp-session-mode>
        <l2tp-session-local-mru>
          l2tp-session-local-mru
        </l2tp-session-local-mru>
        <l2tp-session-remote-mru>
          l2tp-session-remote-mru
        </l2tp-session-remote-mru>
        <l2tp-session-tx-speed>
          l2tp-session-tx-speed
        </l2tp-session-tx-speed>
        <l2tp-session-rx-speed>
```

```
l2tp-session-rx-speed
</l2tp-session-rx-speed>
<l2tp-session-bearer-type>
  l2tp-session-bearer-type
</l2tp-session-bearer-type>
<l2tp-session-framing-type>
  l2tp-session-framing-type
</l2tp-session-framing-type>
<l2tp-session-lcp-renegotiation>
  l2tp-session-lcp-renegotiation
</l2tp-session-lcp-renegotiation>
<l2tp-session-authentication>
  l2tp-session-authentication
</l2tp-session-authentication>
<l2tp-session-interface-id>
  l2tp-session-interface-id
</l2tp-session-interface-id>
<l2tp-session-interface-unit>
  l2tp-session-interface-unit
</l2tp-session-interface-unit>
<l2tp-session-call-serial-number>
  l2tp-session-call-serial-number
</l2tp-session-call-serial-number>
<l2tp-session-policer-bandwidth>
  l2tp-session-policer-bandwidth
</l2tp-session-policer-bandwidth>
<l2tp-session-policer-exclude-bandwidth>
  l2tp-session-policer-exclude-bandwidth
</l2tp-session-policer-exclude-bandwidth>
<l2tp-session-policer-burstsize>
  l2tp-session-policer-burstsize
</l2tp-session-policer-burstsize>
<l2tp-session-firewall-filter>
  l2tp-session-firewall-filter
</l2tp-session-firewall-filter>
<l2tp-session-encapsulation-overhead>
  l2tp-session-encapsulation-overhead
</l2tp-session-encapsulation-overhead>
<l2tp-session-cell-overhead>
  l2tp-session-cell-overhead
</l2tp-session-cell-overhead>
<l2tp-session-create-time>
  l2tp-session-create-time
</l2tp-session-create-time>
<l2tp-session-interface-name>
  l2tp-session-interface-name
</l2tp-session-interface-name>
<l2tp-statistics-since>
  l2tp-statistics-since
</l2tp-statistics-since>
<l2tp-control-tx-packets>
  l2tp-control-tx-packets
</l2tp-control-tx-packets>
<l2tp-control-rx-packets>
  l2tp-control-rx-packets
</l2tp-control-rx-packets>
```

```

<l2tp-data-tx-packets>
  l2tp-data-tx-packets
</l2tp-data-tx-packets>
<l2tp-data-rx-packets>
  l2tp-data-rx-packets
</l2tp-data-rx-packets>
<l2tp-control-tx-bytes>
  l2tp-control-tx-bytes
</l2tp-control-tx-bytes>
<l2tp-control-rx-bytes>
  l2tp-control-rx-bytes
</l2tp-control-rx-bytes>
<l2tp-data-tx-bytes>
  l2tp-data-tx-bytes
</l2tp-data-tx-bytes>
<l2tp-data-rx-bytes>
  l2tp-data-rx-bytes
</l2tp-data-rx-bytes>
<l2tp-error-tx-packets>
  l2tp-error-tx-packets
</l2tp-error-tx-packets>
<l2tp-error-rx-packets>
  l2tp-error-rx-packets
</l2tp-error-rx-packets>
<l2tp-create-time>
  l2tp-create-time
</l2tp-create-time>
<l2tp-up-time>
  l2tp-up-time
</l2tp-up-time>
<l2tp-idle-time>
  l2tp-idle-time
</l2tp-idle-time>
</l2tp-session-entry>
</l2tp-multilink-links>
</l2tp-multilink-entry>
</services-l2tp-multilink-information>

```

**Description** L2TP session information

### <l2tp-session-table>

#### Usage

```

<l2tp-session-table>
  <l2tp-session-entry>....</l2tp-session-entry>
</l2tp-session-table>

```

**Description** L2TP session table sorted by tunnel ID

### <l2tp-session-table>

#### Usage

```
<l2tp-per-tunnel-session-table>
  <l2tp-session-table>
    <l2tp-session-entry>....</l2tp-session-entry>
  </l2tp-session-table>
</l2tp-per-tunnel-session-table>
```

**Description** L2TP session table sorted by tunnel ID

### <l2tp-session-table>

#### Usage

```
<service-l2tp-session-information>
  <l2tp-per-tunnel-session-table>
    <l2tp-session-table>
      <l2tp-session-entry>....</l2tp-session-entry>
    </l2tp-session-table>
  </l2tp-per-tunnel-session-table>
</service-l2tp-session-information>
```

**Description** L2TP session table sorted by tunnel ID

### <l2tp-summary-table>

#### Usage

```
<l2tp-summary-table>
  <l2tp-destinations>
    l2tp-destinations
  </l2tp-destinations>
  <l2tp-tunnels>
    l2tp-tunnels
  </l2tp-tunnels>
  <l2tp-sessions>
    l2tp-sessions
  </l2tp-sessions>
  <l2tp-error-tx-packets>
    l2tp-error-tx-packets
  </l2tp-error-tx-packets>
  <l2tp-error-rx-packets>
    l2tp-error-rx-packets
  </l2tp-error-rx-packets>
  <l2tp-control-tx-packets>
    l2tp-control-tx-packets
  </l2tp-control-tx-packets>
  <l2tp-control-rx-packets>
    l2tp-control-rx-packets
  </l2tp-control-rx-packets>
  <l2tp-interface-error-tx-packets>
    l2tp-interface-error-tx-packets
  </l2tp-interface-error-tx-packets>
```



```

<l2tp-interface-error-rx-packets>
  l2tp-interface-error-rx-packets
</l2tp-interface-error-rx-packets>
<l2tp-interface-control-tx-packets>
  l2tp-interface-control-tx-packets
</l2tp-interface-control-tx-packets>
<l2tp-interface-control-rx-packets>
  l2tp-interface-control-rx-packets
</l2tp-interface-control-rx-packets>
<l2tp-control-memory-bytes>
  l2tp-control-memory-bytes
</l2tp-control-memory-bytes>
<l2tp-data-tx-packets>
  l2tp-data-tx-packets
</l2tp-data-tx-packets>
<l2tp-data-rx-packets>
  l2tp-data-rx-packets
</l2tp-data-rx-packets>
<l2tp-interface-data-tx-packets>
  l2tp-interface-data-tx-packets
</l2tp-interface-data-tx-packets>
<l2tp-interface-data-rx-packets>
  l2tp-interface-data-rx-packets
</l2tp-interface-data-rx-packets>
<l2tp-data-memory-bytes>
  l2tp-data-memory-bytes
</l2tp-data-memory-bytes>
<l2tp-interface-name>
  l2tp-interface-name
</l2tp-interface-name>
<l2tp-failover-preference-level>
  l2tp-failover-preference-level
</l2tp-failover-preference-level>
<l2tp-weighted-load-balancing>
  l2tp-weighted-load-balancing
</l2tp-weighted-load-balancing>
<l2tp-tunnel-authentication-challenge>
  l2tp-tunnel-authentication-challenge
</l2tp-tunnel-authentication-challenge>
<l2tp-calling-number-avp>
  l2tp-calling-number-avp
</l2tp-calling-number-avp>
<l2tp-failover-protocol>
  l2tp-failover-protocol
</l2tp-failover-protocol>
</l2tp-summary-table>

```

**Description** L2TP summary

## <l2tp-summary-table>

### Usage

```

<service-l2tp-summary-information>
  <l2tp-summary-table>

```

```
<l2tp-destinations>
  l2tp-destinations
</l2tp-destinations>
<l2tp-tunnels>
  l2tp-tunnels
</l2tp-tunnels>
<l2tp-sessions>
  l2tp-sessions
</l2tp-sessions>
<l2tp-error-tx-packets>
  l2tp-error-tx-packets
</l2tp-error-tx-packets>
<l2tp-error-rx-packets>
  l2tp-error-rx-packets
</l2tp-error-rx-packets>
<l2tp-control-tx-packets>
  l2tp-control-tx-packets
</l2tp-control-tx-packets>
<l2tp-control-rx-packets>
  l2tp-control-rx-packets
</l2tp-control-rx-packets>
<l2tp-interface-error-tx-packets>
  l2tp-interface-error-tx-packets
</l2tp-interface-error-tx-packets>
<l2tp-interface-error-rx-packets>
  l2tp-interface-error-rx-packets
</l2tp-interface-error-rx-packets>
<l2tp-interface-control-tx-packets>
  l2tp-interface-control-tx-packets
</l2tp-interface-control-tx-packets>
<l2tp-interface-control-rx-packets>
  l2tp-interface-control-rx-packets
</l2tp-interface-control-rx-packets>
<l2tp-control-memory-bytes>
  l2tp-control-memory-bytes
</l2tp-control-memory-bytes>
<l2tp-data-tx-packets>
  l2tp-data-tx-packets
</l2tp-data-tx-packets>
<l2tp-data-rx-packets>
  l2tp-data-rx-packets
</l2tp-data-rx-packets>
<l2tp-interface-data-tx-packets>
  l2tp-interface-data-tx-packets
</l2tp-interface-data-tx-packets>
<l2tp-interface-data-rx-packets>
  l2tp-interface-data-rx-packets
</l2tp-interface-data-rx-packets>
<l2tp-data-memory-bytes>
  l2tp-data-memory-bytes
</l2tp-data-memory-bytes>
<l2tp-interface-name>
  l2tp-interface-name
</l2tp-interface-name>
<l2tp-failover-preference-level>
  l2tp-failover-preference-level
```

```

</l2tp-failover-preference-level>
<l2tp-weighted-load-balancing>
  l2tp-weighted-load-balancing
</l2tp-weighted-load-balancing>
<l2tp-tunnel-authentication-challenge>
  l2tp-tunnel-authentication-challenge
</l2tp-tunnel-authentication-challenge>
<l2tp-calling-number-avp>
  l2tp-calling-number-avp
</l2tp-calling-number-avp>
<l2tp-failover-protocol>
  l2tp-failover-protocol
</l2tp-failover-protocol>
</l2tp-summary-table>
</service-l2tp-summary-information>

```

**Description** L2TP summary

### <l2tp-tunnel-clear-entry>

#### Usage

```

<l2tp-tunnel-clear-entry>
  <l2tp-tunnel-local-id>
    l2tp-tunnel-local-id
  </l2tp-tunnel-local-id>
</l2tp-tunnel-clear-entry>

```

**Description** L2TP cleared tunnel information

### <l2tp-tunnel-clear-entry>

#### Usage

```

<service-l2tp-tunnel-clear-information>
  <l2tp-tunnel-clear-entry>
    <l2tp-tunnel-local-id>
      l2tp-tunnel-local-id
    </l2tp-tunnel-local-id>
  </l2tp-tunnel-clear-entry>
</service-l2tp-tunnel-clear-information>

```

**Description** L2TP cleared tunnel information

### <l2tp-tunnel-entry>

#### Usage

```

<l2tp-tunnel-entry>
  <l2tp-tunnel-local-id>
    l2tp-tunnel-local-id
  </l2tp-tunnel-local-id>
  <l2tp-tunnel-name>
    l2tp-tunnel-name

```

```
</l2tp-tunnel-name>
<l2tp-tunnel-remote-id>
  l2tp-tunnel-remote-id
</l2tp-tunnel-remote-id>
<l2tp-tunnel-remote-ip>
  l2tp-tunnel-remote-ip
</l2tp-tunnel-remote-ip>
<l2tp-tunnel-state>
  l2tp-tunnel-state
</l2tp-tunnel-state>
<l2tp-tunnel-session-count>
  l2tp-tunnel-session-count
</l2tp-tunnel-session-count>
<l2tp-tunnel-local-ip>
  l2tp-tunnel-local-ip
</l2tp-tunnel-local-ip>
<l2tp-tunnel-remote-name>
  l2tp-tunnel-remote-name
</l2tp-tunnel-remote-name>
<l2tp-tunnel-local-name>
  l2tp-tunnel-local-name
</l2tp-tunnel-local-name>
<l2tp-tunnel-maximum-sessions>
  l2tp-tunnel-maximum-sessions
</l2tp-tunnel-maximum-sessions>
<l2tp-tunnel-window-size>
  l2tp-tunnel-window-size
</l2tp-tunnel-window-size>
<l2tp-tunnel-hello-interval>
  l2tp-tunnel-hello-interval
</l2tp-tunnel-hello-interval>
<l2tp-tunnel-tos-reflect>
  l2tp-tunnel-tos-reflect
</l2tp-tunnel-tos-reflect>
<l2tp-tunnel-prm>
  l2tp-tunnel-prm
</l2tp-tunnel-prm>
<l2tp-statistics-since>
  l2tp-statistics-since
</l2tp-statistics-since>
<l2tp-control-tx-packets>
  l2tp-control-tx-packets
</l2tp-control-tx-packets>
<l2tp-control-rx-packets>
  l2tp-control-rx-packets
</l2tp-control-rx-packets>
<l2tp-data-tx-packets>
  l2tp-data-tx-packets
</l2tp-data-tx-packets>
<l2tp-data-rx-packets>
  l2tp-data-rx-packets
</l2tp-data-rx-packets>
<l2tp-control-tx-bytes>
  l2tp-control-tx-bytes
</l2tp-control-tx-bytes>
<l2tp-control-rx-bytes>
```

```

    l2tp-control-rx-bytes
  </l2tp-control-rx-bytes>
  <l2tp-data-tx-bytes>
    l2tp-data-tx-bytes
  </l2tp-data-tx-bytes>
  <l2tp-data-rx-bytes>
    l2tp-data-rx-bytes
  </l2tp-data-rx-bytes>
  <l2tp-error-tx-packets>
    l2tp-error-tx-packets
  </l2tp-error-tx-packets>
  <l2tp-error-rx-packets>
    l2tp-error-rx-packets
  </l2tp-error-rx-packets>
  <l2tp-create-time>
    l2tp-create-time
  </l2tp-create-time>
  <l2tp-up-time>
    l2tp-up-time
  </l2tp-up-time>
  <l2tp-idle-time>
    l2tp-idle-time
  </l2tp-idle-time>
</l2tp-tunnel-entry>

```

**Description** L2TP tunnel information

### <l2tp-tunnel-entry>

#### Usage

```

<l2tp-tunnel-table>
  <l2tp-tunnel-entry>
    <l2tp-tunnel-local-id>
      l2tp-tunnel-local-id
    </l2tp-tunnel-local-id>
    <l2tp-tunnel-name>
      l2tp-tunnel-name
    </l2tp-tunnel-name>
    <l2tp-tunnel-remote-id>
      l2tp-tunnel-remote-id
    </l2tp-tunnel-remote-id>
    <l2tp-tunnel-remote-ip>
      l2tp-tunnel-remote-ip
    </l2tp-tunnel-remote-ip>
    <l2tp-tunnel-state>
      l2tp-tunnel-state
    </l2tp-tunnel-state>
    <l2tp-tunnel-session-count>
      l2tp-tunnel-session-count
    </l2tp-tunnel-session-count>
    <l2tp-tunnel-local-ip>
      l2tp-tunnel-local-ip
    </l2tp-tunnel-local-ip>
    <l2tp-tunnel-remote-name>

```

```
l2tp-tunnel-remote-name
</l2tp-tunnel-remote-name>
<l2tp-tunnel-local-name>
  l2tp-tunnel-local-name
</l2tp-tunnel-local-name>
<l2tp-tunnel-maximum-sessions>
  l2tp-tunnel-maximum-sessions
</l2tp-tunnel-maximum-sessions>
<l2tp-tunnel-window-size>
  l2tp-tunnel-window-size
</l2tp-tunnel-window-size>
<l2tp-tunnel-hello-interval>
  l2tp-tunnel-hello-interval
</l2tp-tunnel-hello-interval>
<l2tp-tunnel-tos-reflect>
  l2tp-tunnel-tos-reflect
</l2tp-tunnel-tos-reflect>
<l2tp-tunnel-prm>
  l2tp-tunnel-prm
</l2tp-tunnel-prm>
<l2tp-statistics-since>
  l2tp-statistics-since
</l2tp-statistics-since>
<l2tp-control-tx-packets>
  l2tp-control-tx-packets
</l2tp-control-tx-packets>
<l2tp-control-rx-packets>
  l2tp-control-rx-packets
</l2tp-control-rx-packets>
<l2tp-data-tx-packets>
  l2tp-data-tx-packets
</l2tp-data-tx-packets>
<l2tp-data-rx-packets>
  l2tp-data-rx-packets
</l2tp-data-rx-packets>
<l2tp-control-tx-bytes>
  l2tp-control-tx-bytes
</l2tp-control-tx-bytes>
<l2tp-control-rx-bytes>
  l2tp-control-rx-bytes
</l2tp-control-rx-bytes>
<l2tp-data-tx-bytes>
  l2tp-data-tx-bytes
</l2tp-data-tx-bytes>
<l2tp-data-rx-bytes>
  l2tp-data-rx-bytes
</l2tp-data-rx-bytes>
<l2tp-error-tx-packets>
  l2tp-error-tx-packets
</l2tp-error-tx-packets>
<l2tp-error-rx-packets>
  l2tp-error-rx-packets
</l2tp-error-rx-packets>
<l2tp-create-time>
  l2tp-create-time
</l2tp-create-time>
```

```

<l2tp-up-time>
  l2tp-up-time
</l2tp-up-time>
<l2tp-idle-time>
  l2tp-idle-time
</l2tp-idle-time>
</l2tp-tunnel-entry>
</l2tp-tunnel-table>

```

**Description** L2TP tunnel information

## <l2tp-tunnel-entry>

### Usage

```

<l2tp-per-tunnel-group-tunnel-table>
<l2tp-tunnel-table>
  <l2tp-tunnel-entry>
    <l2tp-tunnel-local-id>
      l2tp-tunnel-local-id
    </l2tp-tunnel-local-id>
    <l2tp-tunnel-name>
      l2tp-tunnel-name
    </l2tp-tunnel-name>
    <l2tp-tunnel-remote-id>
      l2tp-tunnel-remote-id
    </l2tp-tunnel-remote-id>
    <l2tp-tunnel-remote-ip>
      l2tp-tunnel-remote-ip
    </l2tp-tunnel-remote-ip>
    <l2tp-tunnel-state>
      l2tp-tunnel-state
    </l2tp-tunnel-state>
    <l2tp-tunnel-session-count>
      l2tp-tunnel-session-count
    </l2tp-tunnel-session-count>
    <l2tp-tunnel-local-ip>
      l2tp-tunnel-local-ip
    </l2tp-tunnel-local-ip>
    <l2tp-tunnel-remote-name>
      l2tp-tunnel-remote-name
    </l2tp-tunnel-remote-name>
    <l2tp-tunnel-local-name>
      l2tp-tunnel-local-name
    </l2tp-tunnel-local-name>
    <l2tp-tunnel-maximum-sessions>
      l2tp-tunnel-maximum-sessions
    </l2tp-tunnel-maximum-sessions>
    <l2tp-tunnel-window-size>
      l2tp-tunnel-window-size
    </l2tp-tunnel-window-size>
    <l2tp-tunnel-hello-interval>
      l2tp-tunnel-hello-interval
    </l2tp-tunnel-hello-interval>
    <l2tp-tunnel-tos-reflect>

```

```
    l2tp-tunnel-tos-reflect
  </l2tp-tunnel-tos-reflect>
  <l2tp-tunnel-prm>
    l2tp-tunnel-prm
  </l2tp-tunnel-prm>
  <l2tp-statistics-since>
    l2tp-statistics-since
  </l2tp-statistics-since>
  <l2tp-control-tx-packets>
    l2tp-control-tx-packets
  </l2tp-control-tx-packets>
  <l2tp-control-rx-packets>
    l2tp-control-rx-packets
  </l2tp-control-rx-packets>
  <l2tp-data-tx-packets>
    l2tp-data-tx-packets
  </l2tp-data-tx-packets>
  <l2tp-data-rx-packets>
    l2tp-data-rx-packets
  </l2tp-data-rx-packets>
  <l2tp-control-tx-bytes>
    l2tp-control-tx-bytes
  </l2tp-control-tx-bytes>
  <l2tp-control-rx-bytes>
    l2tp-control-rx-bytes
  </l2tp-control-rx-bytes>
  <l2tp-data-tx-bytes>
    l2tp-data-tx-bytes
  </l2tp-data-tx-bytes>
  <l2tp-data-rx-bytes>
    l2tp-data-rx-bytes
  </l2tp-data-rx-bytes>
  <l2tp-error-tx-packets>
    l2tp-error-tx-packets
  </l2tp-error-tx-packets>
  <l2tp-error-rx-packets>
    l2tp-error-rx-packets
  </l2tp-error-rx-packets>
  <l2tp-create-time>
    l2tp-create-time
  </l2tp-create-time>
  <l2tp-up-time>
    l2tp-up-time
  </l2tp-up-time>
  <l2tp-idle-time>
    l2tp-idle-time
  </l2tp-idle-time>
</l2tp-tunnel-entry>
</l2tp-tunnel-table>
</l2tp-per-tunnel-group-tunnel-table>
```

**Description** L2TP tunnel information



## &lt;l2tp-tunnel-entry&gt;

## Usage

```

<service-l2tp-tunnel-information>
  <l2tp-per-tunnel-group-tunnel-table>
    <l2tp-tunnel-table>
      <l2tp-tunnel-entry>
        <l2tp-tunnel-local-id>
          l2tp-tunnel-local-id
        </l2tp-tunnel-local-id>
        <l2tp-tunnel-name>
          l2tp-tunnel-name
        </l2tp-tunnel-name>
        <l2tp-tunnel-remote-id>
          l2tp-tunnel-remote-id
        </l2tp-tunnel-remote-id>
        <l2tp-tunnel-remote-ip>
          l2tp-tunnel-remote-ip
        </l2tp-tunnel-remote-ip>
        <l2tp-tunnel-state>
          l2tp-tunnel-state
        </l2tp-tunnel-state>
        <l2tp-tunnel-session-count>
          l2tp-tunnel-session-count
        </l2tp-tunnel-session-count>
        <l2tp-tunnel-local-ip>
          l2tp-tunnel-local-ip
        </l2tp-tunnel-local-ip>
        <l2tp-tunnel-remote-name>
          l2tp-tunnel-remote-name
        </l2tp-tunnel-remote-name>
        <l2tp-tunnel-local-name>
          l2tp-tunnel-local-name
        </l2tp-tunnel-local-name>
        <l2tp-tunnel-maximum-sessions>
          l2tp-tunnel-maximum-sessions
        </l2tp-tunnel-maximum-sessions>
        <l2tp-tunnel-window-size>
          l2tp-tunnel-window-size
        </l2tp-tunnel-window-size>
        <l2tp-tunnel-hello-interval>
          l2tp-tunnel-hello-interval
        </l2tp-tunnel-hello-interval>
        <l2tp-tunnel-tos-reflect>
          l2tp-tunnel-tos-reflect
        </l2tp-tunnel-tos-reflect>
        <l2tp-tunnel-prm>
          l2tp-tunnel-prm
        </l2tp-tunnel-prm>
        <l2tp-statistics-since>
          l2tp-statistics-since
        </l2tp-statistics-since>
        <l2tp-control-tx-packets>
          l2tp-control-tx-packets
        </l2tp-control-tx-packets>

```

```
<l2tp-control-rx-packets>
  l2tp-control-rx-packets
</l2tp-control-rx-packets>
<l2tp-data-tx-packets>
  l2tp-data-tx-packets
</l2tp-data-tx-packets>
<l2tp-data-rx-packets>
  l2tp-data-rx-packets
</l2tp-data-rx-packets>
<l2tp-control-tx-bytes>
  l2tp-control-tx-bytes
</l2tp-control-tx-bytes>
<l2tp-control-rx-bytes>
  l2tp-control-rx-bytes
</l2tp-control-rx-bytes>
<l2tp-data-tx-bytes>
  l2tp-data-tx-bytes
</l2tp-data-tx-bytes>
<l2tp-data-rx-bytes>
  l2tp-data-rx-bytes
</l2tp-data-rx-bytes>
<l2tp-error-tx-packets>
  l2tp-error-tx-packets
</l2tp-error-tx-packets>
<l2tp-error-rx-packets>
  l2tp-error-rx-packets
</l2tp-error-rx-packets>
<l2tp-create-time>
  l2tp-create-time
</l2tp-create-time>
<l2tp-up-time>
  l2tp-up-time
</l2tp-up-time>
<l2tp-idle-time>
  l2tp-idle-time
</l2tp-idle-time>
</l2tp-tunnel-entry>
</l2tp-tunnel-table>
</l2tp-per-tunnel-group-tunnel-table>
</service-l2tp-tunnel-information>
```

**Description** L2TP tunnel information

### <l2tp-tunnel-table>

#### Usage

```
<l2tp-tunnel-table>
  <l2tp-tunnel-entry>....</l2tp-tunnel-entry>
</l2tp-tunnel-table>
```

**Description** L2TP tunnel table sorted by tunnel group

**<l2tp-tunnel-table>****Usage**

```

<l2tp-per-tunnel-group-tunnel-table>
  <l2tp-tunnel-table>
    <l2tp-tunnel-entry>....</l2tp-tunnel-entry>
  </l2tp-tunnel-table>
</l2tp-per-tunnel-group-tunnel-table>

```

**Description** L2TP tunnel table sorted by tunnel group

**<l2tp-tunnel-table>****Usage**

```

<service-l2tp-tunnel-information>
  <l2tp-per-tunnel-group-tunnel-table>
    <l2tp-tunnel-table>
      <l2tp-tunnel-entry>....</l2tp-tunnel-entry>
    </l2tp-tunnel-table>
  </l2tp-per-tunnel-group-tunnel-table>
</service-l2tp-tunnel-information>

```

**Description** L2TP tunnel table sorted by tunnel group

**<load-balancer-entries>****Usage**

```

<lsqinfo-cpu-usage-information>
  <load-balancer-entries>
    <load-balancer-entry>....</load-balancer-entry>
  </load-balancer-entries>
</lsqinfo-cpu-usage-information>

```

**Description**

**<load-balancer-entry>****Usage**

```

<lsqinfo-cpu-usage-information>
  <load-balancer-entries>
    <load-balancer-entry>
      <cpu-name>
        cpu-name
      </cpu-name>
      <idle>
        idle
      </idle>
      <system>
        system
      </system>
    </load-balancer-entry>
  </load-balancer-entries>
</lsqinfo-cpu-usage-information>

```

```
        output
      </output>
    <freeback>
      freeback
    </freeback>
    <input-1>
      input-1
    </input-1>
    <input-2>
      input-2
    </input-2>
  </load-balancer-entry>
</load-balancer-entries>
</lsqinfo-cpu-usage-information>
```

**Description** Load Balancer CPU usage information

### <lsqinfo-cpu-usage-information>

#### Usage

```
<lsqinfo-cpu-usage-information>
  <cpu-role-name>
    cpu-role-name
  </cpu-role-name>
  <one-second-usage>
    one-second-usage
  </one-second-usage>
  <five-second-usage>
    five-second-usage
  </five-second-usage>
  <fragmenter-entries>....</fragmenter-entries>
  <quality-of-service-entries>....</quality-of-service-entries>
  <sequencer-entries>....</sequencer-entries>
  <load-balancer-entries>....</load-balancer-entries>
</lsqinfo-cpu-usage-information>
```

**Description**

### <maximum-inactivity-time>

#### Usage

```
<pgcpd-active-configuration>
  <inactivity-timer-entry>
    <maximum-inactivity-time>
      <minimum>
        minimum
      </minimum>
      <maximum>
        maximum
      </maximum>
      <default>
        default
      </default>
```

```

    </maximum-inactivity-time>
  </inactivity-timer-entry>
</pgcpd-active-configuration>

```

#### Description

#### <maximum-inactivity-time>

##### Usage

```

<pgcpd-active-configuration>
  <gateway-entry>
    <inactivity-timer-entry>
      <maximum-inactivity-time>
        <minimum>
          minimum
        </minimum>
        <maximum>
          maximum
        </maximum>
        <default>
          default
        </default>
      </maximum-inactivity-time>
    </inactivity-timer-entry>
  </gateway-entry>
</pgcpd-active-configuration>

```

#### Description

#### <maximum-inactivity-time>

##### Usage

```

<pgcpd-active-configuration>
  <pgcpd-config>
    <gateway-entry>
      <inactivity-timer-entry>
        <maximum-inactivity-time>
          <minimum>
            minimum
          </minimum>
          <maximum>
            maximum
          </maximum>
          <default>
            default
          </default>
        </maximum-inactivity-time>
      </inactivity-timer-entry>
    </gateway-entry>
  </pgcpd-config>
</pgcpd-active-configuration>

```

#### Description

## <maximum-inactivity-time>

### Usage

```
<service-pgcp-statistics-gateway>
  <gateway-entry>
    <inactivity-timer-entry>
      <maximum-inactivity-time>
        <minimum>
          minimum
        </minimum>
        <maximum>
          maximum
        </maximum>
        <default>
          default
        </default>
      </maximum-inactivity-time>
    </inactivity-timer-entry>
  </gateway-entry>
</service-pgcp-statistics-gateway>
```

### Description

## <maximum-inactivity-time>

### Usage

```
<service-pgcp-terminations>
  <gateway-entry>
    <inactivity-timer-entry>
      <maximum-inactivity-time>
        <minimum>
          minimum
        </minimum>
        <maximum>
          maximum
        </maximum>
        <default>
          default
        </default>
      </maximum-inactivity-time>
    </inactivity-timer-entry>
  </gateway-entry>
</service-pgcp-terminations>
```

### Description

## <maximum-inactivity-time>

### Usage

```
<service-pgcp-gates>
  <gateway-entry>
    <inactivity-timer-entry>
      <maximum-inactivity-time>
```

```
<minimum>
  minimum
</minimum>
<maximum>
  maximum
</maximum>
<default>
  default
</default>
</maximum-inactivity-time>
</inactivity-timer-entry>
</gateway-entry>
</service-pgcp-gates>
```

#### Description

### <media-service-entry>

#### Usage

```
<media-service-entry>
  <media-service-name>
    media-service-name
  </media-service-name>
  <media-service-nat-pool>
    media-service-nat-pool
  </media-service-nat-pool>
</media-service-entry>
```

#### Description

### <media-service-entry>

#### Usage

```
<pgcpd-active-configuration>
  <pgcpd-config>
    <media-service-entry>
      <media-service-name>
        media-service-name
      </media-service-name>
      <media-service-nat-pool>
        media-service-nat-pool
      </media-service-nat-pool>
    </media-service-entry>
  </pgcpd-config>
</pgcpd-active-configuration>
```

#### Description

### <media-service-ref-entry>

#### Usage

```
<media-service-ref-entry>
  <media-service-ref-name>
```

```
media-service-ref-name
</media-service-ref-name>
</media-service-ref-entry>
```

#### Description

### <media-service-ref-entry>

#### Usage

```
<pgcpd-active-configuration>
<virtual-interface-entry>
  <media-service-ref-entry>
    <media-service-ref-name>
      media-service-ref-name
    </media-service-ref-name>
  </media-service-ref-entry>
</virtual-interface-entry>
</pgcpd-active-configuration>
```

#### Description

### <media-service-ref-entry>

#### Usage

```
<pgcpd-active-configuration>
<rule-entry>
  <media-service-ref-entry>
    <media-service-ref-name>
      media-service-ref-name
    </media-service-ref-name>
  </media-service-ref-entry>
</rule-entry>
</pgcpd-active-configuration>
```

#### Description

### <media-service-ref-entry>

#### Usage

```
<pgcpd-active-configuration>
<pgcpd-config>
  <virtual-interface-entry>
    <media-service-ref-entry>
      <media-service-ref-name>
        media-service-ref-name
      </media-service-ref-name>
    </media-service-ref-entry>
  </virtual-interface-entry>
</pgcpd-config>
</pgcpd-active-configuration>
```

#### Description



**<media-service-ref-entry>****Usage**

```

<pgcpd-active-configuration>
  <pgcpd-config>
    <rule-entry>
      <media-service-ref-entry>
        <media-service-ref-name>
          media-service-ref-name
        </media-service-ref-name>
      </media-service-ref-entry>
    </rule-entry>
  </pgcpd-config>
</pgcpd-active-configuration>

```

**Description****<message-counters>****Usage**

```

<sfw-stats-service-set-entry>
  <sip-alg-counters>
    <message-counters>
      <register-new>
        register-new
      </register-new>
      <invite-new>
        invite-new
      </invite-new>
      <reinvites>
        reinvites
      </reinvites>
      <invite-retransmits>
        invite-retransmits
      </invite-retransmits>
      <response-provisional>
        response-provisional
      </response-provisional>
      <response-invite-ok>
        response-invite-ok
      </response-invite-ok>
      <response-non-invite-ok>
        response-non-invite-ok
      </response-non-invite-ok>
      <response-redirect>
        response-redirect
      </response-redirect>
      <response-request-failure>
        response-request-failure
      </response-request-failure>
      <response-server-failure>
        response-server-failure
      </response-server-failure>
      <response-global-failure>

```

```
    response-global-failure
  </response-global-failure>
  <response-invalid>
    response-invalid
  </response-invalid>
  <response-retransmits>
    response-retransmits
  </response-retransmits>
  <ack-valid>
    ack-valid
  </ack-valid>
  <ack-invalid>
    ack-invalid
  </ack-invalid>
  <ack-retransmits>
    ack-retransmits
  </ack-retransmits>
  <bye-valid>
    bye-valid
  </bye-valid>
  <bye-invalid>
    bye-invalid
  </bye-invalid>
  <cancel-valid>
    cancel-valid
  </cancel-valid>
  <cancel-invalid>
    cancel-invalid
  </cancel-invalid>
  <subscribe-valid>
    subscribe-valid
  </subscribe-valid>
  <subscribe-invalid>
    subscribe-invalid
  </subscribe-invalid>
  <notify-valid>
    notify-valid
  </notify-valid>
  <notify-invalid>
    notify-invalid
  </notify-invalid>
  <options-valid>
    options-valid
  </options-valid>
  <options-invalid>
    options-invalid
  </options-invalid>
  <info-valid>
    info-valid
  </info-valid>
  <info-invalid>
    info-invalid
  </info-invalid>
  <update-valid>
    update-valid
  </update-valid>
```

```

<update-invalid>
  update-invalid
</update-invalid>
<refer-valid>
  refer-valid
</refer-valid>
<refer-invalid>
  refer-invalid
</refer-invalid>
</message-counters>
</sip-alg-counters>
</sfw-stats-service-set-entry>

```

**Description** SIP message counters

## <message-counters>

### Usage

```

<service-sfw-statistics-information>
  <service-sfw-statistics-entry>
    <sfw-stats-service-set-entry>
      <sip-alg-counters>
        <message-counters>
          <register-new>
            register-new
          </register-new>
          <invite-new>
            invite-new
          </invite-new>
          <reinvites>
            reinvites
          </reinvites>
          <invite-retransmits>
            invite-retransmits
          </invite-retransmits>
          <response-provisional>
            response-provisional
          </response-provisional>
          <response-invite-ok>
            response-invite-ok
          </response-invite-ok>
          <response-non-invite-ok>
            response-non-invite-ok
          </response-non-invite-ok>
          <response-redir>
            response-redir
          </response-redir>
          <response-request-failure>
            response-request-failure
          </response-request-failure>
          <response-server-failure>
            response-server-failure
          </response-server-failure>
          <response-global-failure>

```

```
    response-global-failure
  </response-global-failure>
  <response-invalid>
    response-invalid
  </response-invalid>
  <response-retransmits>
    response-retransmits
  </response-retransmits>
  <ack-valid>
    ack-valid
  </ack-valid>
  <ack-invalid>
    ack-invalid
  </ack-invalid>
  <ack-retransmits>
    ack-retransmits
  </ack-retransmits>
  <bye-valid>
    bye-valid
  </bye-valid>
  <bye-invalid>
    bye-invalid
  </bye-invalid>
  <cancel-valid>
    cancel-valid
  </cancel-valid>
  <cancel-invalid>
    cancel-invalid
  </cancel-invalid>
  <subscribe-valid>
    subscribe-valid
  </subscribe-valid>
  <subscribe-invalid>
    subscribe-invalid
  </subscribe-invalid>
  <notify-valid>
    notify-valid
  </notify-valid>
  <notify-invalid>
    notify-invalid
  </notify-invalid>
  <options-valid>
    options-valid
  </options-valid>
  <options-invalid>
    options-invalid
  </options-invalid>
  <info-valid>
    info-valid
  </info-valid>
  <info-invalid>
    info-invalid
  </info-invalid>
  <update-valid>
    update-valid
  </update-valid>
```

```

<update-invalid>
  update-invalid
</update-invalid>
<refer-valid>
  refer-valid
</refer-valid>
<refer-invalid>
  refer-invalid
</refer-invalid>
</message-counters>
</sip-alg-counters>
</sfw-stats-service-set-entry>
</service-sfw-statistics-entry>
</service-sfw-statistics-information>

```

**Description** SIP message counters

## <msp-alg-conv-all-entry>

### Usage

```

<msp-alg-conv-all-entry>
  <client-name>
    client-name
  </client-name>
  <client-state>
    client-state
  </client-state>
  <num-groups>
    num-groups
  </num-groups>
  <parent-sess-state>
    parent-sess-state
  </parent-sess-state>
  <parent-sess-id>
    parent-sess-id
  </parent-sess-id>
  <parent-flow-protocol>
    parent-flow-protocol
  </parent-flow-protocol>
  <parent-fflow-src-ip>
    parent-fflow-src-ip
  </parent-fflow-src-ip>
  <parent-fflow-dst-ip>
    parent-fflow-dst-ip
  </parent-fflow-dst-ip>
  <parent-fflow-src-port>
    parent-fflow-src-port
  </parent-fflow-src-port>
  <parent-fflow-dst-port>
    parent-fflow-dst-port
  </parent-fflow-dst-port>
  <parent-rflow-src-ip>
    parent-rflow-src-ip
  </parent-rflow-src-ip>

```

```
<parent-rflow-dst-ip>
  parent-rflow-dst-ip
</parent-rflow-dst-ip>
<parent-rflow-src-port>
  parent-rflow-src-port
</parent-rflow-src-port>
<parent-rflow-dst-port>
  parent-rflow-dst-port
</parent-rflow-dst-port>
<child-sess-id>
  child-sess-id
</child-sess-id>
<child-flow-protocol>
  child-flow-protocol
</child-flow-protocol>
<child-fflow-src-ip>
  child-fflow-src-ip
</child-fflow-src-ip>
<child-fflow-dst-ip>
  child-fflow-dst-ip
</child-fflow-dst-ip>
<child-fflow-src-port>
  child-fflow-src-port
</child-fflow-src-port>
<child-fflow-dst-port>
  child-fflow-dst-port
</child-fflow-dst-port>
<child-rflow-src-ip>
  child-rflow-src-ip
</child-rflow-src-ip>
<child-rflow-dst-ip>
  child-rflow-dst-ip
</child-rflow-dst-ip>
<child-rflow-src-port>
  child-rflow-src-port
</child-rflow-src-port>
<child-rflow-dst-port>
  child-rflow-dst-port
</child-rflow-dst-port>
</msp-alg-conv-all-entry>
```

**Description**    ALG conversations

### <msp-alg-conv-all-entry>

#### Usage

```
<service-msp-alg-conversation-information>
  <msp-alg-conv-all-entry>
    <client-name>
      client-name
    </client-name>
    <client-state>
      client-state
    </client-state>
```

```
<num-groups>
  num-groups
</num-groups>
<parent-sess-state>
  parent-sess-state
</parent-sess-state>
<parent-sess-id>
  parent-sess-id
</parent-sess-id>
<parent-flow-protocol>
  parent-flow-protocol
</parent-flow-protocol>
<parent-fflow-src-ip>
  parent-fflow-src-ip
</parent-fflow-src-ip>
<parent-fflow-dst-ip>
  parent-fflow-dst-ip
</parent-fflow-dst-ip>
<parent-fflow-src-port>
  parent-fflow-src-port
</parent-fflow-src-port>
<parent-fflow-dst-port>
  parent-fflow-dst-port
</parent-fflow-dst-port>
<parent-rflow-src-ip>
  parent-rflow-src-ip
</parent-rflow-src-ip>
<parent-rflow-dst-ip>
  parent-rflow-dst-ip
</parent-rflow-dst-ip>
<parent-rflow-src-port>
  parent-rflow-src-port
</parent-rflow-src-port>
<parent-rflow-dst-port>
  parent-rflow-dst-port
</parent-rflow-dst-port>
<child-sess-id>
  child-sess-id
</child-sess-id>
<child-flow-protocol>
  child-flow-protocol
</child-flow-protocol>
<child-fflow-src-ip>
  child-fflow-src-ip
</child-fflow-src-ip>
<child-fflow-dst-ip>
  child-fflow-dst-ip
</child-fflow-dst-ip>
<child-fflow-src-port>
  child-fflow-src-port
</child-fflow-src-port>
<child-fflow-dst-port>
  child-fflow-dst-port
</child-fflow-dst-port>
<child-rflow-src-ip>
  child-rflow-src-ip
```

```
</child-rflow-src-ip>
<child-rflow-dst-ip>
  child-rflow-dst-ip
</child-rflow-dst-ip>
<child-rflow-src-port>
  child-rflow-src-port
</child-rflow-src-port>
<child-rflow-dst-port>
  child-rflow-dst-port
</child-rflow-dst-port>
</msp-alg-conv-all-entry>
</service-msp-alg-conversation-information>
```

**Description** ALG conversations

### <msp-alg-conv-all-extensive-entry>

#### Usage

```
<msp-alg-conv-all-extensive-entry>
  <client-name>
    client-name
  </client-name>
  <client-state>
    client-state
  </client-state>
  <num-groups>
    num-groups
  </num-groups>
  <group-id>
    group-id
  </group-id>
  <group-state>
    group-state
  </group-state>
  <parent-sess-state>
    parent-sess-state
  </parent-sess-state>
  <parent-sess-id>
    parent-sess-id
  </parent-sess-id>
  <parent-flow-protocol>
    parent-flow-protocol
  </parent-flow-protocol>
  <parent-fflow-src-ip>
    parent-fflow-src-ip
  </parent-fflow-src-ip>
  <parent-fflow-dst-ip>
    parent-fflow-dst-ip
  </parent-fflow-dst-ip>
  <parent-fflow-src-port>
    parent-fflow-src-port
  </parent-fflow-src-port>
  <parent-fflow-dst-port>
    parent-fflow-dst-port
```



```
</parent-fflow-dst-port>
<parent-rflow-src-ip>
  parent-rflow-src-ip
</parent-rflow-src-ip>
<parent-rflow-dst-ip>
  parent-rflow-dst-ip
</parent-rflow-dst-ip>
<parent-rflow-src-port>
  parent-rflow-src-port
</parent-rflow-src-port>
<parent-rflow-dst-port>
  parent-rflow-dst-port
</parent-rflow-dst-port>
<num-resources>
  num-resources
</num-resources>
<resource-id>
  resource-id
</resource-id>
<resource-state>
  resource-state
</resource-state>
<num-sessions>
  num-sessions
</num-sessions>
<child-sess-id>
  child-sess-id
</child-sess-id>
<child-flow-protocol>
  child-flow-protocol
</child-flow-protocol>
<child-fflow-src-ip>
  child-fflow-src-ip
</child-fflow-src-ip>
<child-fflow-dst-ip>
  child-fflow-dst-ip
</child-fflow-dst-ip>
<child-fflow-src-port>
  child-fflow-src-port
</child-fflow-src-port>
<child-fflow-dst-port>
  child-fflow-dst-port
</child-fflow-dst-port>
<child-rflow-src-ip>
  child-rflow-src-ip
</child-rflow-src-ip>
<child-rflow-dst-ip>
  child-rflow-dst-ip
</child-rflow-dst-ip>
<child-rflow-src-port>
  child-rflow-src-port
</child-rflow-src-port>
<child-rflow-dst-port>
  child-rflow-dst-port
</child-rflow-dst-port>
```

</msp-alg-conv-all-extensive-entry>

**Description**    ALG conversations extensive

### <msp-alg-conv-all-extensive-entry>

#### Usage

```
<service-msp-alg-conversation-information>
  <msp-alg-conv-all-extensive-entry>
    <client-name>
      client-name
    </client-name>
    <client-state>
      client-state
    </client-state>
    <num-groups>
      num-groups
    </num-groups>
    <group-id>
      group-id
    </group-id>
    <group-state>
      group-state
    </group-state>
    <parent-sess-state>
      parent-sess-state
    </parent-sess-state>
    <parent-sess-id>
      parent-sess-id
    </parent-sess-id>
    <parent-flow-protocol>
      parent-flow-protocol
    </parent-flow-protocol>
    <parent-fflow-src-ip>
      parent-fflow-src-ip
    </parent-fflow-src-ip>
    <parent-fflow-dst-ip>
      parent-fflow-dst-ip
    </parent-fflow-dst-ip>
    <parent-fflow-src-port>
      parent-fflow-src-port
    </parent-fflow-src-port>
    <parent-fflow-dst-port>
      parent-fflow-dst-port
    </parent-fflow-dst-port>
    <parent-rflow-src-ip>
      parent-rflow-src-ip
    </parent-rflow-src-ip>
    <parent-rflow-dst-ip>
      parent-rflow-dst-ip
    </parent-rflow-dst-ip>
    <parent-rflow-src-port>
      parent-rflow-src-port
    </parent-rflow-src-port>
```

```

<parent-rflow-dst-port>
  parent-rflow-dst-port
</parent-rflow-dst-port>
<num-resources>
  num-resources
</num-resources>
<resource-id>
  resource-id
</resource-id>
<resource-state>
  resource-state
</resource-state>
<num-sessions>
  num-sessions
</num-sessions>
<child-sess-id>
  child-sess-id
</child-sess-id>
<child-flow-protocol>
  child-flow-protocol
</child-flow-protocol>
<child-fflow-src-ip>
  child-fflow-src-ip
</child-fflow-src-ip>
<child-fflow-dst-ip>
  child-fflow-dst-ip
</child-fflow-dst-ip>
<child-fflow-src-port>
  child-fflow-src-port
</child-fflow-src-port>
<child-fflow-dst-port>
  child-fflow-dst-port
</child-fflow-dst-port>
<child-rflow-src-ip>
  child-rflow-src-ip
</child-rflow-src-ip>
<child-rflow-dst-ip>
  child-rflow-dst-ip
</child-rflow-dst-ip>
<child-rflow-src-port>
  child-rflow-src-port
</child-rflow-src-port>
<child-rflow-dst-port>
  child-rflow-dst-port
</child-rflow-dst-port>
</msp-alg-conv-all-extensive-entry>
</service-msp-alg-conversation-information>

```

**Description** ALG conversations extensive

### <msp-alg-conv-group-num-entry>

#### Usage

```
<msp-alg-conv-group-num-entry>
```

```
<group-id>
  group-id
</group-id>
<group-is-active>
  group-is-active
</group-is-active>
<client-name>
  client-name
</client-name>
<parent-session-id>
  parent-session-id
</parent-session-id>
<group-timeout>
  group-timeout
</group-timeout>
<num-resources>
  num-resources
</num-resources>
<resource>
  resource
</resource>
</msp-alg-conv-group-num-entry>
```

**Description** ALG group information

### <msp-alg-conv-group-num-entry>

#### Usage

```
<service-msp-alg-conversation-information>
  <msp-alg-conv-group-num-entry>
    <group-id>
      group-id
    </group-id>
    <group-is-active>
      group-is-active
    </group-is-active>
    <client-name>
      client-name
    </client-name>
    <parent-session-id>
      parent-session-id
    </parent-session-id>
    <group-timeout>
      group-timeout
    </group-timeout>
    <num-resources>
      num-resources
    </num-resources>
    <resource>
      resource
    </resource>
  </msp-alg-conv-group-num-entry>
</service-msp-alg-conversation-information>
```

**Description** ALG group information

### <msp-alg-conv-groups-entry>

**Usage**

```
<msp-alg-conv-groups-entry>
  <group-id>
    group-id
  </group-id>
  <group-is-active>
    group-is-active
  </group-is-active>
  <client-name>
    client-name
  </client-name>
  <num-resources>
    num-resources
  </num-resources>
  <resource-id>
    resource-id
  </resource-id>
</msp-alg-conv-groups-entry>
```

**Description** ALG groups

### <msp-alg-conv-groups-entry>

**Usage**

```
<service-msp-alg-conversation-information>
  <msp-alg-conv-groups-entry>
    <group-id>
      group-id
    </group-id>
    <group-is-active>
      group-is-active
    </group-is-active>
    <client-name>
      client-name
    </client-name>
    <num-resources>
      num-resources
    </num-resources>
    <resource-id>
      resource-id
    </resource-id>
  </msp-alg-conv-groups-entry>
</service-msp-alg-conversation-information>
```

**Description** ALG groups

## &lt;msp-alg-conv-resource-num-entry&gt;

## Usage

&lt;msp-alg-conv-resource-num-entry&gt;

&lt;resource-id&gt;

*resource-id*

&lt;/resource-id&gt;

&lt;resource-is-active&gt;

*resource-is-active*

&lt;/resource-is-active&gt;

&lt;num-sessions&gt;

*num-sessions*

&lt;/num-sessions&gt;

&lt;session-ids&gt;

*session-ids*

&lt;/session-ids&gt;

&lt;num-holes&gt;

*num-holes*

&lt;/num-holes&gt;

&lt;src-ip-low&gt;

*src-ip-low*

&lt;/src-ip-low&gt;

&lt;src-ip-high&gt;

*src-ip-high*

&lt;/src-ip-high&gt;

&lt;src-port-low&gt;

*src-port-low*

&lt;/src-port-low&gt;

&lt;src-port-high&gt;

*src-port-high*

&lt;/src-port-high&gt;

&lt;dst-ip-low&gt;

*dst-ip-low*

&lt;/dst-ip-low&gt;

&lt;dst-ip-high&gt;

*dst-ip-high*

&lt;/dst-ip-high&gt;

&lt;dst-port-low&gt;

*dst-port-low*

&lt;/dst-port-low&gt;

&lt;dst-port-high&gt;

*dst-port-high*

&lt;/dst-port-high&gt;

&lt;translated-src-ip&gt;

*translated-src-ip*

&lt;/translated-src-ip&gt;

&lt;translated-src-port&gt;

*translated-src-port*

&lt;/translated-src-port&gt;

&lt;translated-dst-ip&gt;

*translated-dst-ip*

&lt;/translated-dst-ip&gt;

&lt;translated-dst-port&gt;

*translated-dst-port*

&lt;/translated-dst-port&gt;

```

<ref-count>
  ref-count
</ref-count>
<proto>
  proto
</proto>
</msp-alg-conv-resource-num-entry>

```

**Description** ALG resource information

## <msp-alg-conv-resource-num-entry>

### Usage

```

<service-msp-alg-conversation-information>
  <msp-alg-conv-resource-num-entry>
    <resource-id>
      resource-id
    </resource-id>
    <resource-is-active>
      resource-is-active
    </resource-is-active>
    <num-sessions>
      num-sessions
    </num-sessions>
    <session-ids>
      session-ids
    </session-ids>
    <num-holes>
      num-holes
    </num-holes>
    <src-ip-low>
      src-ip-low
    </src-ip-low>
    <src-ip-high>
      src-ip-high
    </src-ip-high>
    <src-port-low>
      src-port-low
    </src-port-low>
    <src-port-high>
      src-port-high
    </src-port-high>
    <dst-ip-low>
      dst-ip-low
    </dst-ip-low>
    <dst-ip-high>
      dst-ip-high
    </dst-ip-high>
    <dst-port-low>
      dst-port-low
    </dst-port-low>
    <dst-port-high>
      dst-port-high
    </dst-port-high>
  </msp-alg-conv-resource-num-entry>
</service-msp-alg-conversation-information>

```

```
<translated-src-ip>
  translated-src-ip
</translated-src-ip>
<translated-src-port>
  translated-src-port
</translated-src-port>
<translated-dst-ip>
  translated-dst-ip
</translated-dst-ip>
<translated-dst-port>
  translated-dst-port
</translated-dst-port>
<ref-count>
  ref-count
</ref-count>
<proto>
  proto
</proto>
</msp-alg-conv-resource-num-entry>
</service-msp-alg-conversation-information>
```

**Description** ALG resource information

### <msp-alg-conv-resources-entry>

#### Usage

```
<msp-alg-conv-resources-entry>
  <resource-id>
    resource-id
  </resource-id>
  <resource-is-active>
    resource-is-active
  </resource-is-active>
  <group-id>
    group-id
  </group-id>
  <client-name>
    client-name
  </client-name>
  <num-sessions>
    num-sessions
  </num-sessions>
  <session-id>
    session-id
  </session-id>
</msp-alg-conv-resources-entry>
```

**Description** ALG resources



**<msp-alg-conv-resources-entry>****Usage**

```

<service-msp-alg-conversation-information>
  <msp-alg-conv-resources-entry>
    <resource-id>
      resource-id
    </resource-id>
    <resource-is-active>
      resource-is-active
    </resource-is-active>
    <group-id>
      group-id
    </group-id>
    <client-name>
      client-name
    </client-name>
    <num-sessions>
      num-sessions
    </num-sessions>
    <session-id>
      session-id
    </session-id>
  </msp-alg-conv-resources-entry>
</service-msp-alg-conversation-information>

```

**Description** ALG resources

**<msp-alg-conv-summary-entry>****Usage**

```

<msp-alg-conv-summary-entry>
  <clients-active>
    clients-active
  </clients-active>
  <groups-active>
    groups-active
  </groups-active>
  <resources-active>
    resources-active
  </resources-active>
  <sessions-active>
    sessions-active
  </sessions-active>
</msp-alg-conv-summary-entry>

```

**Description** ALG conversation summary

**<msp-alg-conv-summary-entry>****Usage**

```

<service-msp-alg-conversation-information>

```

```
<msp-alg-conv-summary-entry>
  <clients-active>
    clients-active
  </clients-active>
  <groups-active>
    groups-active
  </groups-active>
  <resources-active>
    resources-active
  </resources-active>
  <sessions-active>
    sessions-active
  </sessions-active>
</msp-alg-conv-summary-entry>
</service-msp-alg-conversation-information>
```

**Description** ALG conversation summary

### <msp-alg-dce-rpc-entry>

#### Usage

```
<msp-alg-dce-rpc-entry>
  <dce-rpc-wrong-header>
    dce-rpc-wrong-header
  </dce-rpc-wrong-header>
  <dce-rpc-non-epm3>
    dce-rpc-non-epm3
  </dce-rpc-non-epm3>
  <dce-rpc-type-mismatch>
    dce-rpc-type-mismatch
  </dce-rpc-type-mismatch>
  <dce-rpc-id-mismatch>
    dce-rpc-id-mismatch
  </dce-rpc-id-mismatch>
  <dce-rpc-call-mismatch>
    dce-rpc-call-mismatch
  </dce-rpc-call-mismatch>
  <dce-rpc-fragment-pkts>
    dce-rpc-fragment-pkts
  </dce-rpc-fragment-pkts>
  <dce-rpc-queue-pkts>
    dce-rpc-queue-pkts
  </dce-rpc-queue-pkts>
  <dce-rpc-drop-pkts>
    dce-rpc-drop-pkts
  </dce-rpc-drop-pkts>
  <dce-rpc-released-pkts>
    dce-rpc-released-pkts
  </dce-rpc-released-pkts>
</msp-alg-dce-rpc-entry>
```

**Description** DCE-RPC ALG stats

### <msp-alg-dce-rpc-entry>

#### Usage

```

<service-msp-alg-stats-information>
  <msp-alg-dce-rpc-entry>
    <dce-rpc-wrong-header>
      dce-rpc-wrong-header
    </dce-rpc-wrong-header>
    <dce-rpc-non-epm3>
      dce-rpc-non-epm3
    </dce-rpc-non-epm3>
    <dce-rpc-type-mismatch>
      dce-rpc-type-mismatch
    </dce-rpc-type-mismatch>
    <dce-rpc-id-mismatch>
      dce-rpc-id-mismatch
    </dce-rpc-id-mismatch>
    <dce-rpc-call-mismatch>
      dce-rpc-call-mismatch
    </dce-rpc-call-mismatch>
    <dce-rpc-fragment-pkts>
      dce-rpc-fragment-pkts
    </dce-rpc-fragment-pkts>
    <dce-rpc-queue-pkts>
      dce-rpc-queue-pkts
    </dce-rpc-queue-pkts>
    <dce-rpc-drop-pkts>
      dce-rpc-drop-pkts
    </dce-rpc-drop-pkts>
    <dce-rpc-released-pkts>
      dce-rpc-released-pkts
    </dce-rpc-released-pkts>
  </msp-alg-dce-rpc-entry>
</service-msp-alg-stats-information>

```

**Description** DCE-RPC ALG stats

### <msp-alg-dce-rpc-portmap-entry>

#### Usage

```

<msp-alg-dce-rpc-portmap-entry>
  <dce-rpc-lookup-request>
    dce-rpc-lookup-request
  </dce-rpc-lookup-request>
  <dce-rpc-map-request>
    dce-rpc-map-request
  </dce-rpc-map-request>
  <dce-rpc-lookup-reply>
    dce-rpc-lookup-reply
  </dce-rpc-lookup-reply>
  <dce-rpc-map-reply>
    dce-rpc-map-reply
  </dce-rpc-map-reply>

```

```
<dce-rpc-fail-reply>  
  dce-rpc-fail-reply  
</dce-rpc-fail-reply>  
</msp-alg-dce-rpc-portmap-entry>
```

**Description** DCE-RPC-PORTMAP ALG stats

### <msp-alg-dce-rpc-portmap-entry>

#### Usage

```
<service-msp-alg-stats-information>  
  <msp-alg-dce-rpc-portmap-entry>  
    <dce-rpc-lookup-request>  
      dce-rpc-lookup-request  
    </dce-rpc-lookup-request>  
    <dce-rpc-map-request>  
      dce-rpc-map-request  
    </dce-rpc-map-request>  
    <dce-rpc-lookup-reply>  
      dce-rpc-lookup-reply  
    </dce-rpc-lookup-reply>  
    <dce-rpc-map-reply>  
      dce-rpc-map-reply  
    </dce-rpc-map-reply>  
    <dce-rpc-fail-reply>  
      dce-rpc-fail-reply  
    </dce-rpc-fail-reply>  
  </msp-alg-dce-rpc-portmap-entry>  
</service-msp-alg-stats-information>
```

**Description** DCE-RPC-PORTMAP ALG stats

### <msp-alg-dns-entry>

#### Usage

```
<msp-alg-dns-entry>  
  <dns-invalid-pkts>  
    dns-invalid-pkts  
  </dns-invalid-pkts>  
  <dns-reply-pkts>  
    dns-reply-pkts  
  </dns-reply-pkts>  
  <dns-oversize-pkts>  
    dns-oversize-pkts  
  </dns-oversize-pkts>  
</msp-alg-dns-entry>
```

**Description** DNS ALG statistics

**<misp-alg-dns-entry>****Usage**

```

<service-misp-alg-stats-information>
  <misp-alg-dns-entry>
    <dns-invalid-pkts>
      dns-invalid-pkts
    </dns-invalid-pkts>
    <dns-reply-pkts>
      dns-reply-pkts
    </dns-reply-pkts>
    <dns-oversize-pkts>
      dns-oversize-pkts
    </dns-oversize-pkts>
  </misp-alg-dns-entry>
</service-misp-alg-stats-information>

```

**Description** DNS ALG statistics

**<misp-alg-ftp-entry>****Usage**

```

<misp-alg-ftp-entry>
  <ftp-drop-pkts>
    ftp-drop-pkts
  </ftp-drop-pkts>
  <ftp-parse-fail-pkts>
    ftp-parse-fail-pkts
  </ftp-parse-fail-pkts>
  <ftp-translated-pkts>
    ftp-translated-pkts
  </ftp-translated-pkts>
</misp-alg-ftp-entry>

```

**Description** FTP ALG stats

**<misp-alg-ftp-entry>****Usage**

```

<service-misp-alg-stats-information>
  <misp-alg-ftp-entry>
    <ftp-drop-pkts>
      ftp-drop-pkts
    </ftp-drop-pkts>
    <ftp-parse-fail-pkts>
      ftp-parse-fail-pkts
    </ftp-parse-fail-pkts>
    <ftp-translated-pkts>
      ftp-translated-pkts
    </ftp-translated-pkts>
  </misp-alg-ftp-entry>

```

</service-msp-alg-stats-information>

**Description**    FTP ALG stats

### <msp-alg-pptp-entry>

#### Usage

```
<msp-alg-pptp-entry>
  <pptp-objects-active>
    pptp-objects-active
  </pptp-objects-active>
  <pptp-objects-total>
    pptp-objects-total
  </pptp-objects-total>
  <pptp-objects-error>
    pptp-objects-error
  </pptp-objects-error>
  <pptp-group-active>
    pptp-group-active
  </pptp-group-active>
  <pptp-group-total>
    pptp-group-total
  </pptp-group-total>
  <pptp-group-error>
    pptp-group-error
  </pptp-group-error>
  <pptp-packets-received>
    pptp-packets-received
  </pptp-packets-received>
  <pptp-packets-discarded>
    pptp-packets-discarded
  </pptp-packets-discarded>
  <pptp-packets-free>
    pptp-packets-free
  </pptp-packets-free>
  <pptp-ocrq-rcvd>
    pptp-ocrq-rcvd
  </pptp-ocrq-rcvd>
  <pptp-ocrq-discarded>
    pptp-ocrq-discarded
  </pptp-ocrq-discarded>
  <pptp-ocrp-rcvd>
    pptp-ocrp-rcvd
  </pptp-ocrp-rcvd>
  <pptp-ocrp-discarded>
    pptp-ocrp-discarded
  </pptp-ocrp-discarded>
  <pptp-wen-rcvd>
    pptp-wen-rcvd
  </pptp-wen-rcvd>
  <pptp-wen-discarded>
    pptp-wen-discarded
  </pptp-wen-discarded>
  <pptp-ccrq-rcvd>
```

```
pptp-ccrq-rcvd
</pptp-ccrq-rcvd>
<pptp-cdsn-rcvd>
pptp-cdsn-rcvd
</pptp-cdsn-rcvd>
<pptp-ccrq-discarded>
pptp-ccrq-discarded
</pptp-ccrq-discarded>
<pptp-session-create>
pptp-session-create
</pptp-session-create>
<pptp-session-destroy>
pptp-session-destroy
</pptp-session-destroy>
<pptp-gate-create>
pptp-gate-create
</pptp-gate-create>
<pptp-gate-hit>
pptp-gate-hit
</pptp-gate-hit>
<pptp-gate-timeout>
pptp-gate-timeout
</pptp-gate-timeout>
<pptp-nat-event>
pptp-nat-event
</pptp-nat-event>
<pptp-nat-total>
pptp-nat-total
</pptp-nat-total>
<pptp-nat-ok>
pptp-nat-ok
</pptp-nat-ok>
<pptp-nat-pending>
pptp-nat-pending
</pptp-nat-pending>
<pptp-nat-fail>
pptp-nat-fail
</pptp-nat-fail>
<pptp-rm-total>
pptp-rm-total
</pptp-rm-total>
<pptp-rm-ok>
pptp-rm-ok
</pptp-rm-ok>
<pptp-rm-pending>
pptp-rm-pending
</pptp-rm-pending>
<pptp-rm-fail>
pptp-rm-fail
</pptp-rm-fail>
<pptp-nat-async-total>
pptp-nat-async-total
</pptp-nat-async-total>
<pptp-nat-async-invalid>
pptp-nat-async-invalid
</pptp-nat-async-invalid>
```

```
<pptp-nat-async-error1>
  pptp-nat-async-error1
</pptp-nat-async-error1>
<pptp-nat-async-error2>
  pptp-nat-async-error2
</pptp-nat-async-error2>
<pptp-asl-hole-ok>
  pptp-asl-hole-ok
</pptp-asl-hole-ok>
<pptp-asl-hole-error>
  pptp-asl-hole-error
</pptp-asl-hole-error>
<pptp-asl-first-hit>
  pptp-asl-first-hit
</pptp-asl-first-hit>
<pptp-asl-hole-timeout>
  pptp-asl-hole-timeout
</pptp-asl-hole-timeout>
<pptp-asl-invalid>
  pptp-asl-invalid
</pptp-asl-invalid>
<pptp-nat-ctx-free>
  pptp-nat-ctx-free
</pptp-nat-ctx-free>
<pptp-create-resource-error>
  pptp-create-resource-error
</pptp-create-resource-error>
<pptp-s2c-hole-error>
  pptp-s2c-hole-error
</pptp-s2c-hole-error>
<pptp-c2s-hole-error>
  pptp-c2s-hole-error
</pptp-c2s-hole-error>
<pptp-lnbrk-error>
  pptp-lnbrk-error
</pptp-lnbrk-error>
<pptp-mpool-error>
  pptp-mpool-error
</pptp-mpool-error>
<pptp-rm-client-error>
  pptp-rm-client-error
</pptp-rm-client-error>
</msp-alg-pptp-entry>
```

**Description** PPTP ALG statistics

### <msp-alg-pptp-entry>

#### Usage

```
<service-msp-alg-stats-information>
  <msp-alg-pptp-entry>
    <pptp-objects-active>
      pptp-objects-active
    </pptp-objects-active>
```



```
<pptp-objects-total>
  pptp-objects-total
</pptp-objects-total>
<pptp-objects-error>
  pptp-objects-error
</pptp-objects-error>
<pptp-group-active>
  pptp-group-active
</pptp-group-active>
<pptp-group-total>
  pptp-group-total
</pptp-group-total>
<pptp-group-error>
  pptp-group-error
</pptp-group-error>
<pptp-packets-received>
  pptp-packets-received
</pptp-packets-received>
<pptp-packets-discarded>
  pptp-packets-discarded
</pptp-packets-discarded>
<pptp-packets-free>
  pptp-packets-free
</pptp-packets-free>
<pptp-ocrq-rcvd>
  pptp-ocrq-rcvd
</pptp-ocrq-rcvd>
<pptp-ocrq-discarded>
  pptp-ocrq-discarded
</pptp-ocrq-discarded>
<pptp-ocrp-rcvd>
  pptp-ocrp-rcvd
</pptp-ocrp-rcvd>
<pptp-ocrp-discarded>
  pptp-ocrp-discarded
</pptp-ocrp-discarded>
<pptp-wen-rcvd>
  pptp-wen-rcvd
</pptp-wen-rcvd>
<pptp-wen-discarded>
  pptp-wen-discarded
</pptp-wen-discarded>
<pptp-ccrq-rcvd>
  pptp-ccrq-rcvd
</pptp-ccrq-rcvd>
<pptp-cdsn-rcvd>
  pptp-cdsn-rcvd
</pptp-cdsn-rcvd>
<pptp-ccrq-discarded>
  pptp-ccrq-discarded
</pptp-ccrq-discarded>
<pptp-session-create>
  pptp-session-create
</pptp-session-create>
<pptp-session-destroy>
  pptp-session-destroy
```

```
</pptp-session-destroy>
<pptp-gate-create>
  pptp-gate-create
</pptp-gate-create>
<pptp-gate-hit>
  pptp-gate-hit
</pptp-gate-hit>
<pptp-gate-timeout>
  pptp-gate-timeout
</pptp-gate-timeout>
<pptp-nat-event>
  pptp-nat-event
</pptp-nat-event>
<pptp-nat-total>
  pptp-nat-total
</pptp-nat-total>
<pptp-nat-ok>
  pptp-nat-ok
</pptp-nat-ok>
<pptp-nat-pending>
  pptp-nat-pending
</pptp-nat-pending>
<pptp-nat-fail>
  pptp-nat-fail
</pptp-nat-fail>
<pptp-rm-total>
  pptp-rm-total
</pptp-rm-total>
<pptp-rm-ok>
  pptp-rm-ok
</pptp-rm-ok>
<pptp-rm-pending>
  pptp-rm-pending
</pptp-rm-pending>
<pptp-rm-fail>
  pptp-rm-fail
</pptp-rm-fail>
<pptp-nat-async-total>
  pptp-nat-async-total
</pptp-nat-async-total>
<pptp-nat-async-invalid>
  pptp-nat-async-invalid
</pptp-nat-async-invalid>
<pptp-nat-async-error1>
  pptp-nat-async-error1
</pptp-nat-async-error1>
<pptp-nat-async-error2>
  pptp-nat-async-error2
</pptp-nat-async-error2>
<pptp-asl-hole-ok>
  pptp-asl-hole-ok
</pptp-asl-hole-ok>
<pptp-asl-hole-error>
  pptp-asl-hole-error
</pptp-asl-hole-error>
<pptp-asl-first-hit>
```

```

    pptp-asl-first-hit
  </pptp-asl-first-hit>
  <pptp-asl-hole-timeout>
    pptp-asl-hole-timeout
  </pptp-asl-hole-timeout>
  <pptp-asl-invalid>
    pptp-asl-invalid
  </pptp-asl-invalid>
  <pptp-nat-ctx-free>
    pptp-nat-ctx-free
  </pptp-nat-ctx-free>
  <pptp-create-resource-error>
    pptp-create-resource-error
  </pptp-create-resource-error>
  <pptp-s2c-hole-error>
    pptp-s2c-hole-error
  </pptp-s2c-hole-error>
  <pptp-c2s-hole-error>
    pptp-c2s-hole-error
  </pptp-c2s-hole-error>
  <pptp-lnbrk-error>
    pptp-lnbrk-error
  </pptp-lnbrk-error>
  <pptp-mpool-error>
    pptp-mpool-error
  </pptp-mpool-error>
  <pptp-rm-client-error>
    pptp-rm-client-error
  </pptp-rm-client-error>
</msp-alg-pptp-entry>
</service-msp-alg-stats-information>

```

**Description** PPTP ALG statistics

## <msp-alg-rpc-entry>

### Usage

```

<msp-alg-rpc-entry>
  <rpc-call-bind-version-2>
    rpc-call-bind-version-2
  </rpc-call-bind-version-2>
  <rpc-call-bind-version-3>
    rpc-call-bind-version-3
  </rpc-call-bind-version-3>
  <rpc-call-bind-version-4>
    rpc-call-bind-version-4
  </rpc-call-bind-version-4>
  <rpc-call-bind-version-error>
    rpc-call-bind-version-error
  </rpc-call-bind-version-error>
  <rpc-reply-bind-version-2>
    rpc-reply-bind-version-2
  </rpc-reply-bind-version-2>
  <rpc-reply-bind-version-3>

```

```
    rpc-reply-bind-version-3
  </rpc-reply-bind-version-3>
  <rpc-reply-bind-version-4>
    rpc-reply-bind-version-4
  </rpc-reply-bind-version-4>
  <rpc-reply-bind-version-error>
    rpc-reply-bind-version-error
  </rpc-reply-bind-version-error>
  <rpc-pkt-fragmented>
    rpc-pkt-fragmented
  </rpc-pkt-fragmented>
  <rpc-pkt-drop>
    rpc-pkt-drop
  </rpc-pkt-drop>
  <rpc-pkt-release>
    rpc-pkt-release
  </rpc-pkt-release>
</msp-alg-rpc-entry>
```

**Description** RPC ALG stats

### <msp-alg-rpc-entry>

#### Usage

```
<service-msp-alg-stats-information>
  <msp-alg-rpc-entry>
    <rpc-call-bind-version-2>
      rpc-call-bind-version-2
    </rpc-call-bind-version-2>
    <rpc-call-bind-version-3>
      rpc-call-bind-version-3
    </rpc-call-bind-version-3>
    <rpc-call-bind-version-4>
      rpc-call-bind-version-4
    </rpc-call-bind-version-4>
    <rpc-call-bind-version-error>
      rpc-call-bind-version-error
    </rpc-call-bind-version-error>
    <rpc-reply-bind-version-2>
      rpc-reply-bind-version-2
    </rpc-reply-bind-version-2>
    <rpc-reply-bind-version-3>
      rpc-reply-bind-version-3
    </rpc-reply-bind-version-3>
    <rpc-reply-bind-version-4>
      rpc-reply-bind-version-4
    </rpc-reply-bind-version-4>
    <rpc-reply-bind-version-error>
      rpc-reply-bind-version-error
    </rpc-reply-bind-version-error>
    <rpc-pkt-fragmented>
      rpc-pkt-fragmented
    </rpc-pkt-fragmented>
    <rpc-pkt-drop>
```

```

    rpc-pkt-drop
  </rpc-pkt-drop>
  <rpc-pkt-release>
    rpc-pkt-release
  </rpc-pkt-release>
</msp-alg-rpc-entry>
</service-msp-alg-stats-information>

```

**Description** RPC ALG stats

### <msp-alg-rpc-portmap-entry>

#### Usage

```

<msp-alg-rpc-portmap-entry>
  <rpc-process-fail>
    rpc-process-fail
  </rpc-process-fail>
  <rpc-request>
    rpc-request
  </rpc-request>
  <rpc-call-dump>
    rpc-call-dump
  </rpc-call-dump>
  <rpc-call-callit>
    rpc-call-callit
  </rpc-call-callit>
  <rpc-reply-ok>
    rpc-reply-ok
  </rpc-reply-ok>
  <rpc-reply-dump>
    rpc-reply-dump
  </rpc-reply-dump>
  <rpc-reply-callit>
    rpc-reply-callit
  </rpc-reply-callit>
  <rpc-process-reply-deny>
    rpc-process-reply-deny
  </rpc-process-reply-deny>
  <rpc-process-reply-xid-mismatch>
    rpc-process-reply-xid-mismatch
  </rpc-process-reply-xid-mismatch>
  <rpc-pkt-ver-error>
    rpc-pkt-ver-error
  </rpc-pkt-ver-error>
  <rpc-pkt-not-rpcbind>
    rpc-pkt-not-rpcbind
  </rpc-pkt-not-rpcbind>
</msp-alg-rpc-portmap-entry>

```

**Description** RPC-PORTMAP ALG stats

## <msp-alg-rpc-portmap-entry>

### Usage

```
<service-msp-alg-stats-information>
  <msp-alg-rpc-portmap-entry>
    <rpc-process-fail>
      rpc-process-fail
    </rpc-process-fail>
    <rpc-request>
      rpc-request
    </rpc-request>
    <rpc-call-dump>
      rpc-call-dump
    </rpc-call-dump>
    <rpc-call-callit>
      rpc-call-callit
    </rpc-call-callit>
    <rpc-reply-ok>
      rpc-reply-ok
    </rpc-reply-ok>
    <rpc-reply-dump>
      rpc-reply-dump
    </rpc-reply-dump>
    <rpc-reply-callit>
      rpc-reply-callit
    </rpc-reply-callit>
    <rpc-process-reply-deny>
      rpc-process-reply-deny
    </rpc-process-reply-deny>
    <rpc-process-reply-xid-mismatch>
      rpc-process-reply-xid-mismatch
    </rpc-process-reply-xid-mismatch>
    <rpc-pkt-ver-error>
      rpc-pkt-ver-error
    </rpc-pkt-ver-error>
    <rpc-pkt-not-rpcbind>
      rpc-pkt-not-rpcbind
    </rpc-pkt-not-rpcbind>
  </msp-alg-rpc-portmap-entry>
</service-msp-alg-stats-information>
```

**Description**    RPC-PORTMAP ALG stats

## <msp-alg-rsh-entry>

### Usage

```
<msp-alg-rsh-entry>
  <rsh-invalid-pkts>
    rsh-invalid-pkts
  </rsh-invalid-pkts>
  <rsh-drop-pkts>
    rsh-drop-pkts
  </rsh-drop-pkts>
```

```

    <rsh-parse-fail-pkts>
      rsh-parse-fail-pkts
    </rsh-parse-fail-pkts>
    <rsh-freed-pkts>
      rsh-freed-pkts
    </rsh-freed-pkts>
  </msp-alg-rsh-entry>

```

**Description** RSH ALG stats

### <msp-alg-rsh-entry>

#### Usage

```

<service-msp-alg-stats-information>
  <msp-alg-rsh-entry>
    <rsh-invalid-pkts>
      rsh-invalid-pkts
    </rsh-invalid-pkts>
    <rsh-drop-pkts>
      rsh-drop-pkts
    </rsh-drop-pkts>
    <rsh-parse-fail-pkts>
      rsh-parse-fail-pkts
    </rsh-parse-fail-pkts>
    <rsh-freed-pkts>
      rsh-freed-pkts
    </rsh-freed-pkts>
  </msp-alg-rsh-entry>
</service-msp-alg-stats-information>

```

**Description** RSH ALG stats

### <msp-alg-rtsp-entry>

#### Usage

```

<msp-alg-rtsp-entry>
  <rtsp-exceed-max-data-len>
    rtsp-exceed-max-data-len
  </rtsp-exceed-max-data-len>
  <rtsp-drop-packets>
    rtsp-drop-packets
  </rtsp-drop-packets>
  <rtsp-describe-msg-cnt>
    rtsp-describe-msg-cnt
  </rtsp-describe-msg-cnt>
  <rtsp-setup-msg-cnt>
    rtsp-setup-msg-cnt
  </rtsp-setup-msg-cnt>
  <rtsp-teardown-msg-cnt>
    rtsp-teardown-msg-cnt
  </rtsp-teardown-msg-cnt>

```

</msp-alg-rtsp-entry>

**Description** RTSP ALG statistics

### <msp-alg-rtsp-entry>

#### Usage

```
<service-msp-alg-stats-information>
  <msp-alg-rtsp-entry>
    <rtsp-exceed-max-data-len>
      rtsp-exceed-max-data-len
    </rtsp-exceed-max-data-len>
    <rtsp-drop-packets>
      rtsp-drop-packets
    </rtsp-drop-packets>
    <rtsp-describe-msg-cnt>
      rtsp-describe-msg-cnt
    </rtsp-describe-msg-cnt>
    <rtsp-setup-msg-cnt>
      rtsp-setup-msg-cnt
    </rtsp-setup-msg-cnt>
    <rtsp-teardown-msg-cnt>
      rtsp-teardown-msg-cnt
    </rtsp-teardown-msg-cnt>
  </msp-alg-rtsp-entry>
</service-msp-alg-stats-information>
```

**Description** RTSP ALG statistics

### <msp-alg-sip-entry>

#### Usage

```
<msp-alg-sip-entry>
  <sip-pkts-drop>
    sip-pkts-drop
  </sip-pkts-drop>
  <sip-unexpect-req-drop>
    sip-unexpect-req-drop
  </sip-unexpect-req-drop>
  <sip-unexpect-res-drop>
    sip-unexpect-res-drop
  </sip-unexpect-res-drop>
  <sip-dscp-marked>
    sip-dscp-marked
  </sip-dscp-marked>
  <sip-dscp-marked-err>
    sip-dscp-marked-err
  </sip-dscp-marked-err>
  <sip-nat-err>
    sip-nat-err
  </sip-nat-err>
  <sip-rr-hdr-exceed-max>
```



```

        sip-rr-hdr-exceed-max
    </sip-rr-hdr-exceed-max>
    <sip-contact-hdr-exceed-max>
        sip-contact-hdr-exceed-max
    </sip-contact-hdr-exceed-max>
    <sip-invite-drop-call-limit>
        sip-invite-drop-call-limit
    </sip-invite-drop-call-limit>
    <sip-msgs-not-processed>
        sip-msgs-not-processed
    </sip-msgs-not-processed>
    <sip-unknown-pkts-drop>
        sip-unknown-pkts-drop
    </sip-unknown-pkts-drop>
    <sip-decoding-error>
        sip-decoding-error
    </sip-decoding-error>
    <sip-out-of-state>
        sip-out-of-state
    </sip-out-of-state>
</msp-alg-sip-entry>

```

**Description** SIP ALG stats

### <msp-alg-sip-entry>

#### Usage

```

<service-msp-alg-stats-information>
  <msp-alg-sip-entry>
    <sip-pkts-drop>
      sip-pkts-drop
    </sip-pkts-drop>
    <sip-unexpect-req-drop>
      sip-unexpect-req-drop
    </sip-unexpect-req-drop>
    <sip-unexpect-res-drop>
      sip-unexpect-res-drop
    </sip-unexpect-res-drop>
    <sip-dscp-marked>
      sip-dscp-marked
    </sip-dscp-marked>
    <sip-dscp-marked-err>
      sip-dscp-marked-err
    </sip-dscp-marked-err>
    <sip-nat-err>
      sip-nat-err
    </sip-nat-err>
    <sip-rr-hdr-exceed-max>
      sip-rr-hdr-exceed-max
    </sip-rr-hdr-exceed-max>
    <sip-contact-hdr-exceed-max>
      sip-contact-hdr-exceed-max
    </sip-contact-hdr-exceed-max>
    <sip-invite-drop-call-limit>

```

```
    sip-invite-drop-call-limit
  </sip-invite-drop-call-limit>
  <sip-msgs-not-processed>
    sip-msgs-not-processed
  </sip-msgs-not-processed>
  <sip-unknown-pkts-drop>
    sip-unknown-pkts-drop
  </sip-unknown-pkts-drop>
  <sip-decoding-error>
    sip-decoding-error
  </sip-decoding-error>
  <sip-out-of-state>
    sip-out-of-state
  </sip-out-of-state>
</msp-alg-sip-entry>
</service-msp-alg-stats-information>
```

**Description** SIP ALG stats

### <msp-alg-sql-entry>

#### Usage

```
<msp-alg-sql-entry>
  <sql-rcvd-pkts>
    sql-rcvd-pkts
  </sql-rcvd-pkts>
  <sql-parse-fail-pkts>
    sql-parse-fail-pkts
  </sql-parse-fail-pkts>
  <sql-freed-pkts>
    sql-freed-pkts
  </sql-freed-pkts>
  <sql-gate-fail-errs>
    sql-gate-fail-errs
  </sql-gate-fail-errs>
</msp-alg-sql-entry>
```

**Description** SQLNET ALG statistics

### <msp-alg-sql-entry>

#### Usage

```
<service-msp-alg-stats-information>
  <msp-alg-sql-entry>
    <sql-rcvd-pkts>
      sql-rcvd-pkts
    </sql-rcvd-pkts>
    <sql-parse-fail-pkts>
      sql-parse-fail-pkts
    </sql-parse-fail-pkts>
    <sql-freed-pkts>
      sql-freed-pkts
  </msp-alg-sql-entry>
```

```

</sql-freed-pkts>
<sql-gate-fail-errs>
  sql-gate-fail-errs
</sql-gate-fail-errs>
</msp-alg-sql-entry>
</service-msp-alg-stats-information>

```

**Description** SQLNET ALG statistics

### <msp-alg-talk-entry>

#### Usage

```

<msp-alg-talk-entry>
  <talk-lookup-pkts>
    talk-lookup-pkts
  </talk-lookup-pkts>
  <talk-announce-pkts>
    talk-announce-pkts
  </talk-announce-pkts>
  <talk-delete-pkts>
    talk-delete-pkts
  </talk-delete-pkts>
</msp-alg-talk-entry>

```

**Description** TALK ALG stats

### <msp-alg-talk-entry>

#### Usage

```

<service-msp-alg-stats-information>
  <msp-alg-talk-entry>
    <talk-lookup-pkts>
      talk-lookup-pkts
    </talk-lookup-pkts>
    <talk-announce-pkts>
      talk-announce-pkts
    </talk-announce-pkts>
    <talk-delete-pkts>
      talk-delete-pkts
    </talk-delete-pkts>
  </msp-alg-talk-entry>
</service-msp-alg-stats-information>

```

**Description** TALK ALG stats

### <msp-per-service-set-sess-table>

#### Usage

```

<service-msp-sess-table-information>
  <msp-per-service-set-sess-table>
    <msp-sess-entry>....</msp-sess-entry>
  </msp-per-service-set-sess-table>
</service-msp-sess-table-information>

```

```
<sfw-flow-entry>....</sfw-flow-entry>
<nat-plugin-sess-entry>....</nat-plugin-sess-entry>
</msp-per-service-set-sess-table>
</service-msp-sess-table-information>
```

## Description

### <msp-sess-entry>

#### Usage

```
<msp-sess-entry>
  <msp-sess-id>
    msp-sess-id
  </msp-sess-id>
  <msp-sess-alg-id>
    msp-sess-alg-id
  </msp-sess-alg-id>
  <msp-sess-flags>
    msp-sess-flags
  </msp-sess-flags>
  <msp-sess-ip-action>
    msp-sess-ip-action
  </msp-sess-ip-action>
  <msp-sess-offload>
    msp-sess-offload
  </msp-sess-offload>
  <msp-sess-asymmetric>
    msp-sess-asymmetric
  </msp-sess-asymmetric>
  <msp-sess-plugin-info>
    msp-sess-plugin-info
  </msp-sess-plugin-info>
</msp-sess-entry>
```

**Description** MSP session entry

### <msp-sess-entry>

#### Usage

```
<service-msp-sess-table-information>
  <msp-per-service-set-sess-table>
    <msp-sess-entry>
      <msp-sess-id>
        msp-sess-id
      </msp-sess-id>
      <msp-sess-alg-id>
        msp-sess-alg-id
      </msp-sess-alg-id>
      <msp-sess-flags>
        msp-sess-flags
      </msp-sess-flags>
      <msp-sess-ip-action>
        msp-sess-ip-action
```

```

</msp-sess-ip-action>
<msp-sess-offload>
  msp-sess-offload
</msp-sess-offload>
<msp-sess-asymmetric>
  msp-sess-asymmetric
</msp-sess-asymmetric>
<msp-sess-plugin-info>
  msp-sess-plugin-info
</msp-sess-plugin-info>
</msp-sess-entry>
</msp-per-service-set-sess-table>
</service-msp-sess-table-information>

```

**Description** MSP session entry

### <nat-plugin-sess-entry>

#### Usage

```

<nat-plugin-sess-entry>
  <nat-action>
    nat-action
  </nat-action>
  <sfw-flow-nat>....</sfw-flow-nat>
</nat-plugin-sess-entry>

```

**Description** NAT plugin session entry

### <nat-plugin-sess-entry>

#### Usage

```

<service-msp-sess-table-information>
  <msp-per-service-set-sess-table>
    <nat-plugin-sess-entry>
      <nat-action>
        nat-action
      </nat-action>
      <sfw-flow-nat>....</sfw-flow-nat>
    </nat-plugin-sess-entry>
  </msp-per-service-set-sess-table>
</service-msp-sess-table-information>

```

**Description** NAT plugin session entry

### <natmapping-address-mapping>

#### Usage

```

<natmapping-address-mapping>
  <natmapping-total-flow-count>
    natmapping-total-flow-count
  </natmapping-total-flow-count>

```

```
<natmapping-source-ip>
  natmapping-source-ip
</natmapping-source-ip>
<natmapping-nat-ip>
  natmapping-nat-ip
</natmapping-nat-ip>
<natmapping-flow-count>
  natmapping-flow-count
</natmapping-flow-count>
<natmapping-source-port>
  natmapping-source-port
</natmapping-source-port>
<natmapping-nat-port>
  natmapping-nat-port
</natmapping-nat-port>
<natmapping-flow-count-per-port-map>
  natmapping-flow-count-per-port-map
</natmapping-flow-count-per-port-map>
</natmapping-address-mapping>
```

**Description** Natmapping address mappings

### <natmapping-address-mapping>

#### Usage

```
<service-nat-mapping-information>
  <natmapping-address-mapping>
    <natmapping-total-flow-count>
      natmapping-total-flow-count
    </natmapping-total-flow-count>
    <natmapping-source-ip>
      natmapping-source-ip
    </natmapping-source-ip>
    <natmapping-nat-ip>
      natmapping-nat-ip
    </natmapping-nat-ip>
    <natmapping-flow-count>
      natmapping-flow-count
    </natmapping-flow-count>
    <natmapping-source-port>
      natmapping-source-port
    </natmapping-source-port>
    <natmapping-nat-port>
      natmapping-nat-port
    </natmapping-nat-port>
    <natmapping-flow-count-per-port-map>
      natmapping-flow-count-per-port-map
    </natmapping-flow-count-per-port-map>
  </natmapping-address-mapping>
</service-nat-mapping-information>
```

**Description** Natmapping address mappings

## <natmapping-address-mapping>

### Usage

```

<service-nat-mapping-information>
  <sfw-per-service-set-nat-mapping>
    <service-nat-pool-map>
      <natmapping-address-mapping>
        <natmapping-total-flow-count>
          natmapping-total-flow-count
        </natmapping-total-flow-count>
        <natmapping-source-ip>
          natmapping-source-ip
        </natmapping-source-ip>
        <natmapping-nat-ip>
          natmapping-nat-ip
        </natmapping-nat-ip>
        <natmapping-flow-count>
          natmapping-flow-count
        </natmapping-flow-count>
        <natmapping-source-port>
          natmapping-source-port
        </natmapping-source-port>
        <natmapping-nat-port>
          natmapping-nat-port
        </natmapping-nat-port>
        <natmapping-flow-count-per-port-map>
          natmapping-flow-count-per-port-map
        </natmapping-flow-count-per-port-map>
      </natmapping-address-mapping>
    </service-nat-pool-map>
  </sfw-per-service-set-nat-mapping>
</service-nat-mapping-information>

```

**Description** Natmapping address mappings

## <natmapping-summary>

### Usage

```

<service-nat-mapping-information>
  <natmapping-summary>
    <natmapping-total-address-mappings>
      natmapping-total-address-mappings
    </natmapping-total-address-mappings>
    <natmapping-total-port-mappings>
      natmapping-total-port-mappings
    </natmapping-total-port-mappings>
    <natmapping-total-filters>
      natmapping-total-filters
    </natmapping-total-filters>
  </natmapping-summary>
</service-nat-mapping-information>

```

**Description** Nat mapping summary

### <new-flow-counters>

**Usage**

```
<sfw-stats-service-set-entry>
  <new-flow-counters>
    <new-flow-accepts>
      new-flow-accepts
    </new-flow-accepts>
    <new-flow-discards>
      new-flow-discards
    </new-flow-discards>
    <new-flow-rejects>
      new-flow-rejects
    </new-flow-rejects>
  </new-flow-counters>
</sfw-stats-service-set-entry>
```

**Description** New flow counters

### <new-flow-counters>

**Usage**

```
<service-sfw-statistics-information>
  <service-sfw-statistics-entry>
    <sfw-stats-service-set-entry>
      <new-flow-counters>
        <new-flow-accepts>
          new-flow-accepts
        </new-flow-accepts>
        <new-flow-discards>
          new-flow-discards
        </new-flow-discards>
        <new-flow-rejects>
          new-flow-rejects
        </new-flow-rejects>
      </new-flow-counters>
    </sfw-stats-service-set-entry>
  </service-sfw-statistics-entry>
</service-sfw-statistics-information>
```

**Description** New flow counters

### <overload-control-entry>

**Usage**

```
<pgcpd-active-configuration>
  <overload-control-entry>
    <queue-limit-percentage>
      queue-limit-percentage
    </queue-limit-percentage>
```



```

    <reject-new-calls-threshold>
      reject-new-calls-threshold
    </reject-new-calls-threshold>
    <reject-all-commands-threshold>
      reject-all-commands-threshold
    </reject-all-commands-threshold>
  </overload-control-entry>
</pgcpd-active-configuration>

```

#### Description

### <overload-control-entry>

#### Usage

```

<pgcpd-active-configuration>
  <gateway-entry>
    <overload-control-entry>
      <queue-limit-percentage>
        queue-limit-percentage
      </queue-limit-percentage>
      <reject-new-calls-threshold>
        reject-new-calls-threshold
      </reject-new-calls-threshold>
      <reject-all-commands-threshold>
        reject-all-commands-threshold
      </reject-all-commands-threshold>
    </overload-control-entry>
  </gateway-entry>
</pgcpd-active-configuration>

```

#### Description

### <overload-control-entry>

#### Usage

```

<pgcpd-active-configuration>
  <pgcpd-config>
    <gateway-entry>
      <overload-control-entry>
        <queue-limit-percentage>
          queue-limit-percentage
        </queue-limit-percentage>
        <reject-new-calls-threshold>
          reject-new-calls-threshold
        </reject-new-calls-threshold>
        <reject-all-commands-threshold>
          reject-all-commands-threshold
        </reject-all-commands-threshold>
      </overload-control-entry>
    </gateway-entry>
  </pgcpd-config>
</pgcpd-active-configuration>

```

**Description****<overload-control-entry>****Usage**

```
<service-pgcp-statistics-gateway>
  <gateway-entry>
    <overload-control-entry>
      <queue-limit-percentage>
        queue-limit-percentage
      </queue-limit-percentage>
      <reject-new-calls-threshold>
        reject-new-calls-threshold
      </reject-new-calls-threshold>
      <reject-all-commands-threshold>
        reject-all-commands-threshold
      </reject-all-commands-threshold>
    </overload-control-entry>
  </gateway-entry>
</service-pgcp-statistics-gateway>
```

**Description****<overload-control-entry>****Usage**

```
<service-pgcp-terminations>
  <gateway-entry>
    <overload-control-entry>
      <queue-limit-percentage>
        queue-limit-percentage
      </queue-limit-percentage>
      <reject-new-calls-threshold>
        reject-new-calls-threshold
      </reject-new-calls-threshold>
      <reject-all-commands-threshold>
        reject-all-commands-threshold
      </reject-all-commands-threshold>
    </overload-control-entry>
  </gateway-entry>
</service-pgcp-terminations>
```

**Description****<overload-control-entry>****Usage**

```
<service-pgcp-gates>
  <gateway-entry>
    <overload-control-entry>
      <queue-limit-percentage>
        queue-limit-percentage
      </queue-limit-percentage>
      <reject-new-calls-threshold>
```

```

    reject-new-calls-threshold
  </reject-new-calls-threshold>
  <reject-all-commands-threshold>
    reject-all-commands-threshold
  </reject-all-commands-threshold>
</overload-control-entry>
</gateway-entry>
</service-pgcp-gates>

```

## Description

### <parser-counters>

#### Usage

```

<sfw-stats-service-set-entry>
  <sip-alg-counters>
    <parser-counters>
      <syntax-errors>
        syntax-errors
      </syntax-errors>
      <content-errors>
        content-errors
      </content-errors>
      <unknown-methods>
        unknown-methods
      </unknown-methods>
    </parser-counters>
  </sip-alg-counters>
</sfw-stats-service-set-entry>

```

**Description** Parser statistics

### <parser-counters>

#### Usage

```

<service-sfw-statistics-information>
  <service-sfw-statistics-entry>
    <sfw-stats-service-set-entry>
      <sip-alg-counters>
        <parser-counters>
          <syntax-errors>
            syntax-errors
          </syntax-errors>
          <content-errors>
            content-errors
          </content-errors>
          <unknown-methods>
            unknown-methods
          </unknown-methods>
        </parser-counters>
      </sip-alg-counters>
    </sfw-stats-service-set-entry>
  </service-sfw-statistics-entry>

```

</service-sfw-statistics-information>

**Description** Parser statistics

### <pgcp-conversation>

#### Usage

```
<pgcp-per-service-set-conversation>
  <pgcp-conversation>
    <pgcp-flow-table-conv-initiator>
      pgcp-flow-table-conv-initiator
    </pgcp-flow-table-conv-initiator>
    <pgcp-flow-table-conv-responder>
      pgcp-flow-table-conv-responder
    </pgcp-flow-table-conv-responder>
    <service-pgcp-flow-table>....</service-pgcp-flow-table>
  </pgcp-conversation>
</pgcp-per-service-set-conversation>
```

**Description** Stateful firewall conversations

### <pgcp-conversation>

#### Usage

```
<service-pgcp-conversation-information>
  <pgcp-per-service-set-conversation>
    <pgcp-conversation>
      <pgcp-flow-table-conv-initiator>
        pgcp-flow-table-conv-initiator
      </pgcp-flow-table-conv-initiator>
      <pgcp-flow-table-conv-responder>
        pgcp-flow-table-conv-responder
      </pgcp-flow-table-conv-responder>
      <service-pgcp-flow-table>....</service-pgcp-flow-table>
    </pgcp-conversation>
  </pgcp-per-service-set-conversation>
</service-pgcp-conversation-information>
```

**Description** Stateful firewall conversations

### <pgcp-flow-entry>

#### Usage

```
<pgcp-flow-entry>
  <pgcp-flow-protocol>
    pgcp-flow-protocol
  </pgcp-flow-protocol>
  <pgcp-flow-source-ip>
    pgcp-flow-source-ip
  </pgcp-flow-source-ip>
  <pgcp-flow-source-port>
```

```
pgcp-flow-source-port
</pgcp-flow-source-port>
<pgcp-flow-destination-ip>
pgcp-flow-destination-ip
</pgcp-flow-destination-ip>
<pgcp-flow-destination-port>
pgcp-flow-destination-port
</pgcp-flow-destination-port>
<pgcp-flow-state>
pgcp-flow-state
</pgcp-flow-state>
<pgcp-flow-direction>
pgcp-flow-direction
</pgcp-flow-direction>
<pgcp-flow-frame-counter>
pgcp-flow-frame-counter
</pgcp-flow-frame-counter>
<pgcp-flow-gate-id>
pgcp-flow-gate-id
</pgcp-flow-gate-id>
<pgcp-flow-nat>....</pgcp-flow-nat>
<pgcp-flow-table-byte-count>
pgcp-flow-table-byte-count
</pgcp-flow-table-byte-count>
<source-routing-instance>
source-routing-instance
</source-routing-instance>
<destination-routing-instance>
destination-routing-instance
</destination-routing-instance>
<pgcp-flow-table-tcp-window-size>
pgcp-flow-table-tcp-window-size
</pgcp-flow-table-tcp-window-size>
<pgcp-flow-table-tcp-acknowledge>
pgcp-flow-table-tcp-acknowledge
</pgcp-flow-table-tcp-acknowledge>
<pgcp-flow-table-tcp-tickle>
pgcp-flow-table-tcp-tickle
</pgcp-flow-table-tcp-tickle>
<pgcp-flow-table-role>
pgcp-flow-table-role
</pgcp-flow-table-role>
<pgcp-flow-table-timeout>
pgcp-flow-table-timeout
</pgcp-flow-table-timeout>
<pgcp-flow-table-protocol-detail>
pgcp-flow-table-protocol-detail
</pgcp-flow-table-protocol-detail>
<flow-gate-tman-policing>
flow-gate-tman-policing
</flow-gate-tman-policing>
<flow-gate-sdr>
flow-gate-sdr
</flow-gate-sdr>
<flow-gate-sdr-mbs>
flow-gate-sdr-mbs
```

```
</flow-gate-sdr-mbs>
<flow-gate-pdr>
  flow-gate-pdr
</flow-gate-pdr>
<flow-gate-pdr-mbs>
  flow-gate-pdr-mbs
</flow-gate-pdr-mbs>
<flow-replication-status>
  flow-replication-status
</flow-replication-status>
</pgcp-flow-entry>
```

**Description**    Flow brief information

## <pgcp-flow-entry>

### Usage

```
<pgcp-per-service-set-flow-table>
<service-pgcp-flow-table>
  <pgcp-flow-entry>
    <pgcp-flow-protocol>
      pgcp-flow-protocol
    </pgcp-flow-protocol>
    <pgcp-flow-source-ip>
      pgcp-flow-source-ip
    </pgcp-flow-source-ip>
    <pgcp-flow-source-port>
      pgcp-flow-source-port
    </pgcp-flow-source-port>
    <pgcp-flow-destination-ip>
      pgcp-flow-destination-ip
    </pgcp-flow-destination-ip>
    <pgcp-flow-destination-port>
      pgcp-flow-destination-port
    </pgcp-flow-destination-port>
    <pgcp-flow-state>
      pgcp-flow-state
    </pgcp-flow-state>
    <pgcp-flow-direction>
      pgcp-flow-direction
    </pgcp-flow-direction>
    <pgcp-flow-frame-counter>
      pgcp-flow-frame-counter
    </pgcp-flow-frame-counter>
    <pgcp-flow-gate-id>
      pgcp-flow-gate-id
    </pgcp-flow-gate-id>
    <pgcp-flow-nat>....</pgcp-flow-nat>
    <pgcp-flow-table-byte-count>
      pgcp-flow-table-byte-count
    </pgcp-flow-table-byte-count>
    <source-routing-instance>
      source-routing-instance
    </source-routing-instance>
```

```

<destination-routing-instance>
  destination-routing-instance
</destination-routing-instance>
<pgcp-flow-table-tcp-window-size>
  pgcp-flow-table-tcp-window-size
</pgcp-flow-table-tcp-window-size>
<pgcp-flow-table-tcp-acknowledge>
  pgcp-flow-table-tcp-acknowledge
</pgcp-flow-table-tcp-acknowledge>
<pgcp-flow-table-tcp-tickle>
  pgcp-flow-table-tcp-tickle
</pgcp-flow-table-tcp-tickle>
<pgcp-flow-table-role>
  pgcp-flow-table-role
</pgcp-flow-table-role>
<pgcp-flow-table-timeout>
  pgcp-flow-table-timeout
</pgcp-flow-table-timeout>
<pgcp-flow-table-protocol-detail>
  pgcp-flow-table-protocol-detail
</pgcp-flow-table-protocol-detail>
<flow-gate-tman-policing>
  flow-gate-tman-policing
</flow-gate-tman-policing>
<flow-gate-sdr>
  flow-gate-sdr
</flow-gate-sdr>
<flow-gate-sdr-mbs>
  flow-gate-sdr-mbs
</flow-gate-sdr-mbs>
<flow-gate-pdr>
  flow-gate-pdr
</flow-gate-pdr>
<flow-gate-pdr-mbs>
  flow-gate-pdr-mbs
</flow-gate-pdr-mbs>
<flow-replication-status>
  flow-replication-status
</flow-replication-status>
</pgcp-flow-entry>
</service-pgcp-flow-table>
</pgcp-per-service-set-flow-table>

```

**Description** Flow brief information

## <pgcp-flow-entry>

### Usage

```

<service-pgcp-flow-table-information>
<pgcp-per-service-set-flow-table>
  <service-pgcp-flow-table>
    <pgcp-flow-entry>
      <pgcp-flow-protocol>
        pgcp-flow-protocol

```

```
</pgcp-flow-protocol>
<pgcp-flow-source-ip>
  pgcp-flow-source-ip
</pgcp-flow-source-ip>
<pgcp-flow-source-port>
  pgcp-flow-source-port
</pgcp-flow-source-port>
<pgcp-flow-destination-ip>
  pgcp-flow-destination-ip
</pgcp-flow-destination-ip>
<pgcp-flow-destination-port>
  pgcp-flow-destination-port
</pgcp-flow-destination-port>
<pgcp-flow-state>
  pgcp-flow-state
</pgcp-flow-state>
<pgcp-flow-direction>
  pgcp-flow-direction
</pgcp-flow-direction>
<pgcp-flow-frame-counter>
  pgcp-flow-frame-counter
</pgcp-flow-frame-counter>
<pgcp-flow-gate-id>
  pgcp-flow-gate-id
</pgcp-flow-gate-id>
<pgcp-flow-nat>....</pgcp-flow-nat>
<pgcp-flow-table-byte-count>
  pgcp-flow-table-byte-count
</pgcp-flow-table-byte-count>
<source-routing-instance>
  source-routing-instance
</source-routing-instance>
<destination-routing-instance>
  destination-routing-instance
</destination-routing-instance>
<pgcp-flow-table-tcp-window-size>
  pgcp-flow-table-tcp-window-size
</pgcp-flow-table-tcp-window-size>
<pgcp-flow-table-tcp-acknowledge>
  pgcp-flow-table-tcp-acknowledge
</pgcp-flow-table-tcp-acknowledge>
<pgcp-flow-table-tcp-tickle>
  pgcp-flow-table-tcp-tickle
</pgcp-flow-table-tcp-tickle>
<pgcp-flow-table-role>
  pgcp-flow-table-role
</pgcp-flow-table-role>
<pgcp-flow-table-timeout>
  pgcp-flow-table-timeout
</pgcp-flow-table-timeout>
<pgcp-flow-table-protocol-detail>
  pgcp-flow-table-protocol-detail
</pgcp-flow-table-protocol-detail>
<flow-gate-tman-policing>
  flow-gate-tman-policing
</flow-gate-tman-policing>
```



```

<flow-gate-sdr>
  flow-gate-sdr
</flow-gate-sdr>
<flow-gate-sdr-mbs>
  flow-gate-sdr-mbs
</flow-gate-sdr-mbs>
<flow-gate-pdr>
  flow-gate-pdr
</flow-gate-pdr>
<flow-gate-pdr-mbs>
  flow-gate-pdr-mbs
</flow-gate-pdr-mbs>
<flow-replication-status>
  flow-replication-status
</flow-replication-status>
</pgcp-flow-entry>
</service-pgcp-flow-table>
</pgcp-per-service-set-flow-table>
</service-pgcp-flow-table-information>

```

**Description** Flow brief information

## <pgcp-flow-entry>

### Usage

```

<pgcp-per-service-set-conversation>
<pgcp-conversation>
<service-pgcp-flow-table>
<pgcp-flow-entry>
  <pgcp-flow-protocol>
    pgcp-flow-protocol
  </pgcp-flow-protocol>
  <pgcp-flow-source-ip>
    pgcp-flow-source-ip
  </pgcp-flow-source-ip>
  <pgcp-flow-source-port>
    pgcp-flow-source-port
  </pgcp-flow-source-port>
  <pgcp-flow-destination-ip>
    pgcp-flow-destination-ip
  </pgcp-flow-destination-ip>
  <pgcp-flow-destination-port>
    pgcp-flow-destination-port
  </pgcp-flow-destination-port>
  <pgcp-flow-state>
    pgcp-flow-state
  </pgcp-flow-state>
  <pgcp-flow-direction>
    pgcp-flow-direction
  </pgcp-flow-direction>
  <pgcp-flow-frame-counter>
    pgcp-flow-frame-counter
  </pgcp-flow-frame-counter>
  <pgcp-flow-gate-id>

```

```

    pgcp-flow-gate-id
  </pgcp-flow-gate-id>
  <pgcp-flow-nat>....</pgcp-flow-nat>
  <pgcp-flow-table-byte-count>
    pgcp-flow-table-byte-count
  </pgcp-flow-table-byte-count>
  <source-routing-instance>
    source-routing-instance
  </source-routing-instance>
  <destination-routing-instance>
    destination-routing-instance
  </destination-routing-instance>
  <pgcp-flow-table-tcp-window-size>
    pgcp-flow-table-tcp-window-size
  </pgcp-flow-table-tcp-window-size>
  <pgcp-flow-table-tcp-acknowledge>
    pgcp-flow-table-tcp-acknowledge
  </pgcp-flow-table-tcp-acknowledge>
  <pgcp-flow-table-tcp-tickle>
    pgcp-flow-table-tcp-tickle
  </pgcp-flow-table-tcp-tickle>
  <pgcp-flow-table-role>
    pgcp-flow-table-role
  </pgcp-flow-table-role>
  <pgcp-flow-table-timeout>
    pgcp-flow-table-timeout
  </pgcp-flow-table-timeout>
  <pgcp-flow-table-protocol-detail>
    pgcp-flow-table-protocol-detail
  </pgcp-flow-table-protocol-detail>
  <flow-gate-tman-policing>
    flow-gate-tman-policing
  </flow-gate-tman-policing>
  <flow-gate-sdr>
    flow-gate-sdr
  </flow-gate-sdr>
  <flow-gate-sdr-mbs>
    flow-gate-sdr-mbs
  </flow-gate-sdr-mbs>
  <flow-gate-pdr>
    flow-gate-pdr
  </flow-gate-pdr>
  <flow-gate-pdr-mbs>
    flow-gate-pdr-mbs
  </flow-gate-pdr-mbs>
  <flow-replication-status>
    flow-replication-status
  </flow-replication-status>
</pgcp-flow-entry>
</service-pgcp-flow-table>
</pgcp-conversation>
</pgcp-per-service-set-conversation>

```

**Description** Flow brief information

## &lt;pgcp-flow-entry&gt;

## Usage

```

<service-pgcp-conversation-information>
  <pgcp-per-service-set-conversation>
    <pgcp-conversation>
      <service-pgcp-flow-table>
        <pgcp-flow-entry>
          <pgcp-flow-protocol>
            pgcp-flow-protocol
          </pgcp-flow-protocol>
          <pgcp-flow-source-ip>
            pgcp-flow-source-ip
          </pgcp-flow-source-ip>
          <pgcp-flow-source-port>
            pgcp-flow-source-port
          </pgcp-flow-source-port>
          <pgcp-flow-destination-ip>
            pgcp-flow-destination-ip
          </pgcp-flow-destination-ip>
          <pgcp-flow-destination-port>
            pgcp-flow-destination-port
          </pgcp-flow-destination-port>
          <pgcp-flow-state>
            pgcp-flow-state
          </pgcp-flow-state>
          <pgcp-flow-direction>
            pgcp-flow-direction
          </pgcp-flow-direction>
          <pgcp-flow-frame-counter>
            pgcp-flow-frame-counter
          </pgcp-flow-frame-counter>
          <pgcp-flow-gate-id>
            pgcp-flow-gate-id
          </pgcp-flow-gate-id>
          <pgcp-flow-nat>....</pgcp-flow-nat>
          <pgcp-flow-table-byte-count>
            pgcp-flow-table-byte-count
          </pgcp-flow-table-byte-count>
          <source-routing-instance>
            source-routing-instance
          </source-routing-instance>
          <destination-routing-instance>
            destination-routing-instance
          </destination-routing-instance>
          <pgcp-flow-table-tcp-window-size>
            pgcp-flow-table-tcp-window-size
          </pgcp-flow-table-tcp-window-size>
          <pgcp-flow-table-tcp-acknowledge>
            pgcp-flow-table-tcp-acknowledge
          </pgcp-flow-table-tcp-acknowledge>
          <pgcp-flow-table-tcp-tickle>
            pgcp-flow-table-tcp-tickle
          </pgcp-flow-table-tcp-tickle>
          <pgcp-flow-table-role>

```

```
    pgcp-flow-table-role
  </pgcp-flow-table-role>
  <pgcp-flow-table-timeout>
    pgcp-flow-table-timeout
  </pgcp-flow-table-timeout>
  <pgcp-flow-table-protocol-detail>
    pgcp-flow-table-protocol-detail
  </pgcp-flow-table-protocol-detail>
  <flow-gate-tman-policing>
    flow-gate-tman-policing
  </flow-gate-tman-policing>
  <flow-gate-sdr>
    flow-gate-sdr
  </flow-gate-sdr>
  <flow-gate-sdr-mbs>
    flow-gate-sdr-mbs
  </flow-gate-sdr-mbs>
  <flow-gate-pdr>
    flow-gate-pdr
  </flow-gate-pdr>
  <flow-gate-pdr-mbs>
    flow-gate-pdr-mbs
  </flow-gate-pdr-mbs>
  <flow-replication-status>
    flow-replication-status
  </flow-replication-status>
</pgcp-flow-entry>
</service-pgcp-flow-table>
</pgcp-conversation>
</pgcp-per-service-set-conversation>
</service-pgcp-conversation-information>
```

**Description** Flow brief information

## <pgcp-flow-nat>

### Usage

```
<pgcp-flow-nat>
  <pgcp-flow-nat-ip>
    pgcp-flow-nat-ip
  </pgcp-flow-nat-ip>
  <pgcp-flow-nat-port>
    pgcp-flow-nat-port
  </pgcp-flow-nat-port>
  <pgcp-flow-translated-ip>
    pgcp-flow-translated-ip
  </pgcp-flow-translated-ip>
  <pgcp-flow-translated-port>
    pgcp-flow-translated-port
  </pgcp-flow-translated-port>
</pgcp-flow-nat>
```

**Description** NAT translation

### <pgcp-flow-nat>

#### Usage

```

<pgcp-flow-entry>
  <pgcp-flow-nat>
    <pgcp-flow-nat-ip>
      pgcp-flow-nat-ip
    </pgcp-flow-nat-ip>
    <pgcp-flow-nat-port>
      pgcp-flow-nat-port
    </pgcp-flow-nat-port>
    <pgcp-flow-translated-ip>
      pgcp-flow-translated-ip
    </pgcp-flow-translated-ip>
    <pgcp-flow-translated-port>
      pgcp-flow-translated-port
    </pgcp-flow-translated-port>
  </pgcp-flow-nat>
</pgcp-flow-entry>

```

**Description** NAT translation

### <pgcp-flow-nat>

#### Usage

```

<pgcp-per-service-set-flow-table>
  <service-pgcp-flow-table>
    <pgcp-flow-entry>
      <pgcp-flow-nat>
        <pgcp-flow-nat-ip>
          pgcp-flow-nat-ip
        </pgcp-flow-nat-ip>
        <pgcp-flow-nat-port>
          pgcp-flow-nat-port
        </pgcp-flow-nat-port>
        <pgcp-flow-translated-ip>
          pgcp-flow-translated-ip
        </pgcp-flow-translated-ip>
        <pgcp-flow-translated-port>
          pgcp-flow-translated-port
        </pgcp-flow-translated-port>
      </pgcp-flow-nat>
    </pgcp-flow-entry>
  </service-pgcp-flow-table>
</pgcp-per-service-set-flow-table>

```

**Description** NAT translation

### <pgcp-flow-nat>

#### Usage

```

<service-pgcp-flow-table-information>

```

```
<pgcp-per-service-set-flow-table>
  <service-pgcp-flow-table>
    <pgcp-flow-entry>
      <pgcp-flow-nat>
        <pgcp-flow-nat-ip>
          pgcp-flow-nat-ip
        </pgcp-flow-nat-ip>
        <pgcp-flow-nat-port>
          pgcp-flow-nat-port
        </pgcp-flow-nat-port>
        <pgcp-flow-translated-ip>
          pgcp-flow-translated-ip
        </pgcp-flow-translated-ip>
        <pgcp-flow-translated-port>
          pgcp-flow-translated-port
        </pgcp-flow-translated-port>
      </pgcp-flow-nat>
    </pgcp-flow-entry>
  </service-pgcp-flow-table>
</pgcp-per-service-set-flow-table>
</service-pgcp-flow-table-information>
```

**Description** NAT translation

### <pgcp-flow-nat>

#### Usage

```
<pgcp-per-service-set-conversation>
  <pgcp-conversation>
    <service-pgcp-flow-table>
      <pgcp-flow-entry>
        <pgcp-flow-nat>
          <pgcp-flow-nat-ip>
            pgcp-flow-nat-ip
          </pgcp-flow-nat-ip>
          <pgcp-flow-nat-port>
            pgcp-flow-nat-port
          </pgcp-flow-nat-port>
          <pgcp-flow-translated-ip>
            pgcp-flow-translated-ip
          </pgcp-flow-translated-ip>
          <pgcp-flow-translated-port>
            pgcp-flow-translated-port
          </pgcp-flow-translated-port>
        </pgcp-flow-nat>
      </pgcp-flow-entry>
    </service-pgcp-flow-table>
  </pgcp-conversation>
</pgcp-per-service-set-conversation>
```

**Description** NAT translation

### <pgcp-flow-nat>

#### Usage

```

<service-pgcp-conversation-information>
  <pgcp-per-service-set-conversation>
    <pgcp-conversation>
      <service-pgcp-flow-table>
        <pgcp-flow-entry>
          <pgcp-flow-nat>
            <pgcp-flow-nat-ip>
              pgcp-flow-nat-ip
            </pgcp-flow-nat-ip>
            <pgcp-flow-nat-port>
              pgcp-flow-nat-port
            </pgcp-flow-nat-port>
            <pgcp-flow-translated-ip>
              pgcp-flow-translated-ip
            </pgcp-flow-translated-ip>
            <pgcp-flow-translated-port>
              pgcp-flow-translated-port
            </pgcp-flow-translated-port>
          </pgcp-flow-nat>
        </pgcp-flow-entry>
      </service-pgcp-flow-table>
    </pgcp-conversation>
  </pgcp-per-service-set-conversation>
</service-pgcp-conversation-information>

```

**Description** NAT translation

### <pgcp-per-service-set-conversation>

#### Usage

```

<pgcp-per-service-set-conversation>
  <service-set-name>
    service-set-name
  </service-set-name>
  <interface-name>
    interface-name
  </interface-name>
  <pgcp-conversation>....</pgcp-conversation>
</pgcp-per-service-set-conversation>

```

**Description** Show conversations

### <pgcp-per-service-set-conversation>

#### Usage

```

<service-pgcp-conversation-information>
  <pgcp-per-service-set-conversation>
    <service-set-name>
      service-set-name

```

```
</service-set-name>
<interface-name>
  interface-name
</interface-name>
<pgcp-conversation>....</pgcp-conversation>
</pgcp-per-service-set-conversation>
</service-pgcp-conversation-information>
```

**Description** Show conversations

### <pgcp-per-service-set-flow-table>

#### Usage

```
<pgcp-per-service-set-flow-table>
<service-set-name>
  service-set-name
</service-set-name>
<interface-name>
  interface-name
</interface-name>
<service-pgcp-flow-table>....</service-pgcp-flow-table>
</pgcp-per-service-set-flow-table>
```

**Description** Flows sorted by service set

### <pgcp-per-service-set-flow-table>

#### Usage

```
<service-pgcp-flow-table-information>
<pgcp-per-service-set-flow-table>
<service-set-name>
  service-set-name
</service-set-name>
<interface-name>
  interface-name
</interface-name>
<service-pgcp-flow-table>....</service-pgcp-flow-table>
</pgcp-per-service-set-flow-table>
</service-pgcp-flow-table-information>
```

**Description** Flows sorted by service set

### <pgcpd-active-configuration>

#### Usage

```
<pgcpd-active-configuration>
<virtual-interface-entry>....</virtual-interface-entry>
<controller-entry>....</controller-entry>
<h248-timers-entry>....</h248-timers-entry>
<h248-options-entry>....</h248-options-entry>
<base-root-entry>....</base-root-entry>
```



```
<h248-segmentation-properties-entry>....</h248-segmentation-properties-entry>
```

```
<h248-diffserv-entry>....</h248-diffserv-entry>
```

```
<h248-notification-behavior-entry>....</h248-notification-behavior-entry>
```

```
<h248-application-data-inactivity-detection-entry>....</h248-application-data-inactivity-detection-entry>
```

```
<h248-event-timestamp-notification-entry>....</h248-event-timestamp-notification-entry>
```

```
<inactivity-timer-entry>....</inactivity-timer-entry>
```

```
<fast-update-filters-entry>....</fast-update-filters-entry>
```

```
<overload-control-entry>....</overload-control-entry>
```

```
<gateway-entry>....</gateway-entry>
```

```
<rule-ref-entry>....</rule-ref-entry>
```

```
<rule-entry>....</rule-entry>
```

```
<service-pic-entry>....</service-pic-entry>
```

```
<service-set-entry>....</service-set-entry>
```

```
<firewall-entry>....</firewall-entry>
```

```
<pgcpd-config>....</pgcpd-config>
```

```
</pgcpd-active-configuration>
```

## Description

### <pgcpd-config>

#### Usage

```
<pgcpd-active-configuration>
```

```
<pgcpd-config>
```

```
<media-service-entry>....</media-service-entry>
```

```
<virtual-interface-entry>....</virtual-interface-entry>
```

```
<gateway-entry>....</gateway-entry>
```

```
<rule-entry>....</rule-entry>
```

```
<service-set-entry>....</service-set-entry>
```

```
<service-pic-entry>....</service-pic-entry>
```

```
<firewall-entry>....</firewall-entry>
```

```
</pgcpd-config>
```

```
</pgcpd-active-configuration>
```

## Description

### <pool-address-range-list>

#### Usage

```
<service-nat-pool-information>
```

```
<sfw-per-service-set-nat-pool>
```

```
<service-nat-pool>
```

```
<pool-address-range-list>
```

```
</pool-address-range-list>
```

```
</service-nat-pool>
```

```
</sfw-per-service-set-nat-pool>
```

```
</service-nat-pool-information>
```

**Description** List of address ranges

### <quality-of-service-entries>

**Usage**

```
<lsqinfo-cpu-usage-information>  
  <quality-of-service-entries>  
    <quality-of-service-entry>.....</quality-of-service-entry>  
  </quality-of-service-entries>  
</lsqinfo-cpu-usage-information>
```

**Description**

### <quality-of-service-entry>

**Usage**

```
<lsqinfo-cpu-usage-information>  
  <quality-of-service-entries>  
    <quality-of-service-entry>  
      <cpu-name>  
        cpu-name  
      </cpu-name>  
      <idle>  
        idle  
      </idle>  
      <timer>  
        timer  
      </timer>  
      <system>  
        system  
      </system>  
      <output>  
        output  
      </output>  
      <input>  
        input  
      </input>  
      <fragment-output>  
        fragment-output  
      </fragment-output>  
      <bypass-output>  
        bypass-output  
      </bypass-output>  
      <free-frame>  
        free-frame  
      </free-frame>  
    </quality-of-service-entry>  
  </quality-of-service-entries>  
</lsqinfo-cpu-usage-information>
```

**Description** QoS CPU usage information

**<radius-accounting-server-information-entry>****Usage**

```

<radius-accounting-server-information-entry>
  <radius-server-ip-address>
    radius-server-ip-address
  </radius-server-ip-address>
  <radius-server-state>
    radius-server-state
  </radius-server-state>
  <radius-server-udp-port>
    radius-server-udp-port
  </radius-server-udp-port>
  <radius-server-retry-count>
    radius-server-retry-count
  </radius-server-retry-count>
  <radius-server-timeout>
    radius-server-timeout
  </radius-server-timeout>
  <radius-server-pending-requests>
    radius-server-pending-requests
  </radius-server-pending-requests>
  <radius-server-maximum-sessions>
    radius-server-maximum-sessions
  </radius-server-maximum-sessions>
  <radius-server-dead-time>
    radius-server-dead-time
  </radius-server-dead-time>
  <radius-server-secret-type>
    radius-server-secret-type
  </radius-server-secret-type>
</radius-accounting-server-information-entry>

```

**Description** RADIUS accounting server information entry sorted by IP address

**<radius-accounting-server-information-entry>****Usage**

```

<services-l2tp-radius-accounting-servers-information>
  <radius-accounting-server-information-entry>
    <radius-server-ip-address>
      radius-server-ip-address
    </radius-server-ip-address>
    <radius-server-state>
      radius-server-state
    </radius-server-state>
    <radius-server-udp-port>
      radius-server-udp-port
    </radius-server-udp-port>
    <radius-server-retry-count>
      radius-server-retry-count
    </radius-server-retry-count>
    <radius-server-timeout>

```

```
radius-server-timeout
</radius-server-timeout>
<radius-server-pending-requests>
radius-server-pending-requests
</radius-server-pending-requests>
<radius-server-maximum-sessions>
radius-server-maximum-sessions
</radius-server-maximum-sessions>
<radius-server-dead-time>
radius-server-dead-time
</radius-server-dead-time>
<radius-server-secret-type>
radius-server-secret-type
</radius-server-secret-type>
</radius-accounting-server-information-entry>
</services-l2tp-radius-accounting-servers-information>
```

**Description** RADIUS accounting server information entry sorted by IP address

### <radius-accounting-server-information-entry>

#### Usage

```
<services-l2tp-radius-authentication-accounting-servers-information>
<radius-accounting-server-information-entry>
<radius-server-ip-address>
radius-server-ip-address
</radius-server-ip-address>
<radius-server-state>
radius-server-state
</radius-server-state>
<radius-server-udp-port>
radius-server-udp-port
</radius-server-udp-port>
<radius-server-retry-count>
radius-server-retry-count
</radius-server-retry-count>
<radius-server-timeout>
radius-server-timeout
</radius-server-timeout>
<radius-server-pending-requests>
radius-server-pending-requests
</radius-server-pending-requests>
<radius-server-maximum-sessions>
radius-server-maximum-sessions
</radius-server-maximum-sessions>
<radius-server-dead-time>
radius-server-dead-time
</radius-server-dead-time>
<radius-server-secret-type>
radius-server-secret-type
</radius-server-secret-type>
</radius-accounting-server-information-entry>
</services-l2tp-radius-authentication-accounting-servers-information>
```

**Description** RADIUS accounting server information entry sorted by IP address

### <radius-accounting-statistic-information-entry>

#### Usage

```
<radius-accounting-statistic-information-entry>
  <radius-server-statistics-entry-header>
    radius-server-statistics-entry-header
  </radius-server-statistics-entry-header>
  <radius-server-profile-name>
    radius-server-profile-name
  </radius-server-profile-name>
  <radius-server-ip-address>
    radius-server-ip-address
  </radius-server-ip-address>
  <radius-server-udp-port>
    radius-server-udp-port
  </radius-server-udp-port>
  <radius-statistic-requests>
    radius-statistic-requests
  </radius-statistic-requests>
  <radius-statistic-start-requests>
    radius-statistic-start-requests
  </radius-statistic-start-requests>
  <radius-statistic-interim-requests>
    radius-statistic-interim-requests
  </radius-statistic-interim-requests>
  <radius-statistic-stop-requests>
    radius-statistic-stop-requests
  </radius-statistic-stop-requests>
  <radius-statistic-rollover-requests>
    radius-statistic-rollover-requests
  </radius-statistic-rollover-requests>
  <radius-statistic-retransmissions>
    radius-statistic-retransmissions
  </radius-statistic-retransmissions>
  <radius-statistic-responses>
    radius-statistic-responses
  </radius-statistic-responses>
  <radius-statistic-start-responses>
    radius-statistic-start-responses
  </radius-statistic-start-responses>
  <radius-statistic-interim-responses>
    radius-statistic-interim-responses
  </radius-statistic-interim-responses>
  <radius-statistic-stop-responses>
    radius-statistic-stop-responses
  </radius-statistic-stop-responses>
  <radius-statistic-malformed-responses>
    radius-statistic-malformed-responses
  </radius-statistic-malformed-responses>
  <radius-statistic-bad-authenticators>
    radius-statistic-bad-authenticators
  </radius-statistic-bad-authenticators>
  <radius-statistic-requests-pending>
```

```
radius-statistic-requests-pending
</radius-statistic-requests-pending>
<radius-statistic-request-timeouts>
radius-statistic-request-timeouts
</radius-statistic-request-timeouts>
<radius-statistic-unknown-responses>
radius-statistic-unknown-responses
</radius-statistic-unknown-responses>
<radius-statistic-packets-dropped>
radius-statistic-packets-dropped
</radius-statistic-packets-dropped>
</radius-accounting-statistic-information-entry>
```

**Description** RADIUS accounting statistic entry sorted by IP address

### <radius-accounting-statistic-information-entry>

#### Usage

```
<services-l2tp-radius-accounting-statistics-information>
<radius-accounting-statistic-information-entry>
  <radius-server-statistics-entry-header>
radius-server-statistics-entry-header
  </radius-server-statistics-entry-header>
  <radius-server-profile-name>
radius-server-profile-name
  </radius-server-profile-name>
  <radius-server-ip-address>
radius-server-ip-address
  </radius-server-ip-address>
  <radius-server-udp-port>
radius-server-udp-port
  </radius-server-udp-port>
  <radius-statistic-requests>
radius-statistic-requests
  </radius-statistic-requests>
  <radius-statistic-start-requests>
radius-statistic-start-requests
  </radius-statistic-start-requests>
  <radius-statistic-interim-requests>
radius-statistic-interim-requests
  </radius-statistic-interim-requests>
  <radius-statistic-stop-requests>
radius-statistic-stop-requests
  </radius-statistic-stop-requests>
  <radius-statistic-rollover-requests>
radius-statistic-rollover-requests
  </radius-statistic-rollover-requests>
  <radius-statistic-retransmissions>
radius-statistic-retransmissions
  </radius-statistic-retransmissions>
  <radius-statistic-responses>
radius-statistic-responses
  </radius-statistic-responses>
  <radius-statistic-start-responses>
```

```

    radius-statistic-start-responses
  </radius-statistic-start-responses>
  <radius-statistic-interim-responses>
    radius-statistic-interim-responses
  </radius-statistic-interim-responses>
  <radius-statistic-stop-responses>
    radius-statistic-stop-responses
  </radius-statistic-stop-responses>
  <radius-statistic-malformed-responses>
    radius-statistic-malformed-responses
  </radius-statistic-malformed-responses>
  <radius-statistic-bad-authenticators>
    radius-statistic-bad-authenticators
  </radius-statistic-bad-authenticators>
  <radius-statistic-requests-pending>
    radius-statistic-requests-pending
  </radius-statistic-requests-pending>
  <radius-statistic-request-timeouts>
    radius-statistic-request-timeouts
  </radius-statistic-request-timeouts>
  <radius-statistic-unknown-responses>
    radius-statistic-unknown-responses
  </radius-statistic-unknown-responses>
  <radius-statistic-packets-dropped>
    radius-statistic-packets-dropped
  </radius-statistic-packets-dropped>
</radius-accounting-statistic-information-entry>
</services-l2tp-radius-accounting-statistics-information>

```

**Description** RADIUS accounting statistic entry sorted by IP address

### <radius-accounting-statistic-information-entry>

#### Usage

```

<services-l2tp-radius-authentication-accounting-statistics-information>
  <radius-accounting-statistic-information-entry>
    <radius-server-statistics-entry-header>
      radius-server-statistics-entry-header
    </radius-server-statistics-entry-header>
    <radius-server-profile-name>
      radius-server-profile-name
    </radius-server-profile-name>
    <radius-server-ip-address>
      radius-server-ip-address
    </radius-server-ip-address>
    <radius-server-udp-port>
      radius-server-udp-port
    </radius-server-udp-port>
    <radius-statistic-requests>
      radius-statistic-requests
    </radius-statistic-requests>
    <radius-statistic-start-requests>
      radius-statistic-start-requests
    </radius-statistic-start-requests>
  </radius-accounting-statistic-information-entry>
</services-l2tp-radius-authentication-accounting-statistics-information>

```

```
<radius-statistic-interim-requests>
  radius-statistic-interim-requests
</radius-statistic-interim-requests>
<radius-statistic-stop-requests>
  radius-statistic-stop-requests
</radius-statistic-stop-requests>
<radius-statistic-rollover-requests>
  radius-statistic-rollover-requests
</radius-statistic-rollover-requests>
<radius-statistic-retransmissions>
  radius-statistic-retransmissions
</radius-statistic-retransmissions>
<radius-statistic-responses>
  radius-statistic-responses
</radius-statistic-responses>
<radius-statistic-start-responses>
  radius-statistic-start-responses
</radius-statistic-start-responses>
<radius-statistic-interim-responses>
  radius-statistic-interim-responses
</radius-statistic-interim-responses>
<radius-statistic-stop-responses>
  radius-statistic-stop-responses
</radius-statistic-stop-responses>
<radius-statistic-malformed-responses>
  radius-statistic-malformed-responses
</radius-statistic-malformed-responses>
<radius-statistic-bad-authenticators>
  radius-statistic-bad-authenticators
</radius-statistic-bad-authenticators>
<radius-statistic-requests-pending>
  radius-statistic-requests-pending
</radius-statistic-requests-pending>
<radius-statistic-request-timeouts>
  radius-statistic-request-timeouts
</radius-statistic-request-timeouts>
<radius-statistic-unknown-responses>
  radius-statistic-unknown-responses
</radius-statistic-unknown-responses>
<radius-statistic-packets-dropped>
  radius-statistic-packets-dropped
</radius-statistic-packets-dropped>
</radius-accounting-statistic-information-entry>
</services-l2tp-radius-authentication-accounting-statistics-information>
```

**Description** RADIUS accounting statistic entry sorted by IP address

### <radius-authentication-server-information-entry>

#### Usage

```
<radius-authentication-server-information-entry>
  <radius-server-ip-address>
    radius-server-ip-address
  </radius-server-ip-address>
```



```

<radius-server-state>
  radius-server-state
</radius-server-state>
<radius-server-udp-port>
  radius-server-udp-port
</radius-server-udp-port>
<radius-server-retry-count>
  radius-server-retry-count
</radius-server-retry-count>
<radius-server-timeout>
  radius-server-timeout
</radius-server-timeout>
<radius-server-pending-requests>
  radius-server-pending-requests
</radius-server-pending-requests>
<radius-server-maximum-sessions>
  radius-server-maximum-sessions
</radius-server-maximum-sessions>
<radius-server-dead-time>
  radius-server-dead-time
</radius-server-dead-time>
<radius-server-secret-type>
  radius-server-secret-type
</radius-server-secret-type>
</radius-authentication-server-information-entry>

```

**Description** RADIUS authentication server information entry sorted by IP address

### <radius-authentication-server-information-entry>

#### Usage

```

<services-l2tp-radius-authentication-servers-information>
  <radius-authentication-server-information-entry>
    <radius-server-ip-address>
      radius-server-ip-address
    </radius-server-ip-address>
    <radius-server-state>
      radius-server-state
    </radius-server-state>
    <radius-server-udp-port>
      radius-server-udp-port
    </radius-server-udp-port>
    <radius-server-retry-count>
      radius-server-retry-count
    </radius-server-retry-count>
    <radius-server-timeout>
      radius-server-timeout
    </radius-server-timeout>
    <radius-server-pending-requests>
      radius-server-pending-requests
    </radius-server-pending-requests>
    <radius-server-maximum-sessions>
      radius-server-maximum-sessions
    </radius-server-maximum-sessions>
  </radius-authentication-server-information-entry>
</services-l2tp-radius-authentication-servers-information>

```

```
<radius-server-dead-time>
  radius-server-dead-time
</radius-server-dead-time>
<radius-server-secret-type>
  radius-server-secret-type
</radius-server-secret-type>
</radius-authentication-server-information-entry>
</services-l2tp-radius-authentication-servers-information>
```

**Description** RADIUS authentication server information entry sorted by IP address

### <radius-authentication-server-information-entry>

#### Usage

```
<services-l2tp-radius-authentication-accounting-servers-information>
<radius-authentication-server-information-entry>
  <radius-server-ip-address>
    radius-server-ip-address
  </radius-server-ip-address>
  <radius-server-state>
    radius-server-state
  </radius-server-state>
  <radius-server-udp-port>
    radius-server-udp-port
  </radius-server-udp-port>
  <radius-server-retry-count>
    radius-server-retry-count
  </radius-server-retry-count>
  <radius-server-timeout>
    radius-server-timeout
  </radius-server-timeout>
  <radius-server-pending-requests>
    radius-server-pending-requests
  </radius-server-pending-requests>
  <radius-server-maximum-sessions>
    radius-server-maximum-sessions
  </radius-server-maximum-sessions>
  <radius-server-dead-time>
    radius-server-dead-time
  </radius-server-dead-time>
  <radius-server-secret-type>
    radius-server-secret-type
  </radius-server-secret-type>
</radius-authentication-server-information-entry>
</services-l2tp-radius-authentication-accounting-servers-information>
```

**Description** RADIUS authentication server information entry sorted by IP address

### <radius-authentication-statistic-information-entry>

#### Usage

```
<radius-authentication-statistic-information-entry>
```

```

<radius-server-statistics-entry-header>
  radius-server-statistics-entry-header
</radius-server-statistics-entry-header>
<radius-server-profile-name>
  radius-server-profile-name
</radius-server-profile-name>
<radius-server-ip-address>
  radius-server-ip-address
</radius-server-ip-address>
<radius-server-udp-port>
  radius-server-udp-port
</radius-server-udp-port>
<radius-statistic-access-requests>
  radius-statistic-access-requests
</radius-statistic-access-requests>
<radius-statistic-rollover-requests>
  radius-statistic-rollover-requests
</radius-statistic-rollover-requests>
<radius-statistic-retransmissions>
  radius-statistic-retransmissions
</radius-statistic-retransmissions>
<radius-statistic-access-accepts>
  radius-statistic-access-accepts
</radius-statistic-access-accepts>
<radius-statistic-access-rejects>
  radius-statistic-access-rejects
</radius-statistic-access-rejects>
<radius-statistic-access-challenges>
  radius-statistic-access-challenges
</radius-statistic-access-challenges>
<radius-statistic-malformed-responses>
  radius-statistic-malformed-responses
</radius-statistic-malformed-responses>
<radius-statistic-bad-authenticators>
  radius-statistic-bad-authenticators
</radius-statistic-bad-authenticators>
<radius-statistic-requests-pending>
  radius-statistic-requests-pending
</radius-statistic-requests-pending>
<radius-statistic-request-timeouts>
  radius-statistic-request-timeouts
</radius-statistic-request-timeouts>
<radius-statistic-unknown-responses>
  radius-statistic-unknown-responses
</radius-statistic-unknown-responses>
<radius-statistic-packets-dropped>
  radius-statistic-packets-dropped
</radius-statistic-packets-dropped>
</radius-authentication-statistic-information-entry>

```

**Description** RADIUS authentication statistic entry sorted by IP address

## <radius-authentication-statistic-information-entry>

### Usage

```
<services-l2tp-radius-authentication-statistics-information>
  <radius-authentication-statistic-information-entry>
    <radius-server-statistics-entry-header>
      radius-server-statistics-entry-header
    </radius-server-statistics-entry-header>
    <radius-server-profile-name>
      radius-server-profile-name
    </radius-server-profile-name>
    <radius-server-ip-address>
      radius-server-ip-address
    </radius-server-ip-address>
    <radius-server-udp-port>
      radius-server-udp-port
    </radius-server-udp-port>
    <radius-statistic-access-requests>
      radius-statistic-access-requests
    </radius-statistic-access-requests>
    <radius-statistic-rollover-requests>
      radius-statistic-rollover-requests
    </radius-statistic-rollover-requests>
    <radius-statistic-retransmissions>
      radius-statistic-retransmissions
    </radius-statistic-retransmissions>
    <radius-statistic-access-accepts>
      radius-statistic-access-accepts
    </radius-statistic-access-accepts>
    <radius-statistic-access-rejects>
      radius-statistic-access-rejects
    </radius-statistic-access-rejects>
    <radius-statistic-access-challenges>
      radius-statistic-access-challenges
    </radius-statistic-access-challenges>
    <radius-statistic-malformed-responses>
      radius-statistic-malformed-responses
    </radius-statistic-malformed-responses>
    <radius-statistic-bad-authenticators>
      radius-statistic-bad-authenticators
    </radius-statistic-bad-authenticators>
    <radius-statistic-requests-pending>
      radius-statistic-requests-pending
    </radius-statistic-requests-pending>
    <radius-statistic-request-timeouts>
      radius-statistic-request-timeouts
    </radius-statistic-request-timeouts>
    <radius-statistic-unknown-responses>
      radius-statistic-unknown-responses
    </radius-statistic-unknown-responses>
    <radius-statistic-packets-dropped>
      radius-statistic-packets-dropped
    </radius-statistic-packets-dropped>
  </radius-authentication-statistic-information-entry>
```

```
</services-l2tp-radius-authentication-statistics-information>
```

**Description** RADIUS authentication statistic entry sorted by IP address

### <radius-authentication-statistic-information-entry>

#### Usage

```
<services-l2tp-radius-authentication-accounting-statistics-information>
  <radius-authentication-statistic-information-entry>
    <radius-server-statistics-entry-header>
      radius-server-statistics-entry-header
    </radius-server-statistics-entry-header>
    <radius-server-profile-name>
      radius-server-profile-name
    </radius-server-profile-name>
    <radius-server-ip-address>
      radius-server-ip-address
    </radius-server-ip-address>
    <radius-server-udp-port>
      radius-server-udp-port
    </radius-server-udp-port>
    <radius-statistic-access-requests>
      radius-statistic-access-requests
    </radius-statistic-access-requests>
    <radius-statistic-rollover-requests>
      radius-statistic-rollover-requests
    </radius-statistic-rollover-requests>
    <radius-statistic-retransmissions>
      radius-statistic-retransmissions
    </radius-statistic-retransmissions>
    <radius-statistic-access-accepts>
      radius-statistic-access-accepts
    </radius-statistic-access-accepts>
    <radius-statistic-access-rejects>
      radius-statistic-access-rejects
    </radius-statistic-access-rejects>
    <radius-statistic-access-challenges>
      radius-statistic-access-challenges
    </radius-statistic-access-challenges>
    <radius-statistic-malformed-responses>
      radius-statistic-malformed-responses
    </radius-statistic-malformed-responses>
    <radius-statistic-bad-authenticators>
      radius-statistic-bad-authenticators
    </radius-statistic-bad-authenticators>
    <radius-statistic-requests-pending>
      radius-statistic-requests-pending
    </radius-statistic-requests-pending>
    <radius-statistic-request-timeouts>
      radius-statistic-request-timeouts
    </radius-statistic-request-timeouts>
    <radius-statistic-unknown-responses>
      radius-statistic-unknown-responses
    </radius-statistic-unknown-responses>
```

```
<radius-statistic-packets-dropped>  
  radius-statistic-packets-dropped  
</radius-statistic-packets-dropped>  
</radius-authentication-statistic-information-entry>  
</services-l2tp-radius-authentication-accounting-statistics-information>
```

**Description** RADIUS authentication statistic entry sorted by IP address

### <radius-profile-access-test-detail-result>

#### Usage

```
<radius-profile-access-test-detail-result>  
  <radius-profile-name>  
    radius-profile-name  
  </radius-profile-name>  
  <radius-client-user-name>  
    radius-client-user-name  
  </radius-client-user-name>  
  <radius-client-password>  
    radius-client-password  
  </radius-client-password>  
  <radius-profile-num-servers>  
    radius-profile-num-servers  
  </radius-profile-num-servers>  
  <radius-server-ip-address>  
    radius-server-ip-address  
  </radius-server-ip-address>  
  <radius-server-udp-port>  
    radius-server-udp-port  
  </radius-server-udp-port>  
  <radius-server-source-address>  
    radius-server-source-address  
  </radius-server-source-address>  
  <radius-server-timeout>  
    radius-server-timeout  
  </radius-server-timeout>  
  <radius-server-retry-count>  
    radius-server-retry-count  
  </radius-server-retry-count>  
  <radius-server-secret>  
    radius-server-secret  
  </radius-server-secret>  
  <radius-server-status>  
    radius-server-status  
  </radius-server-status>  
  <radius-server-attempts>  
    radius-server-attempts  
  </radius-server-attempts>  
  <radius-server-attribute-name>  
    radius-server-attribute-name  
  </radius-server-attribute-name>  
  <radius-server-attribute-len>  
    radius-server-attribute-len  
  </radius-server-attribute-len>
```

```

    <radius-server-attribute-value>
      radius-server-attribute-value
    </radius-server-attribute-value>
  </radius-profile-access-test-detail-result>

```

**Description** RADIUS server access test detail

## <radius-profile-access-test-result>

### Usage

```

<radius-profile-access-test-result>
  <radius-profile-name>
    radius-profile-name
  </radius-profile-name>
  <radius-client-user-name>
    radius-client-user-name
  </radius-client-user-name>
  <radius-client-password>
    radius-client-password
  </radius-client-password>
  <radius-profile-num-servers>
    radius-profile-num-servers
  </radius-profile-num-servers>
  <radius-server-ip-address>
    radius-server-ip-address
  </radius-server-ip-address>
  <radius-server-udp-port>
    radius-server-udp-port
  </radius-server-udp-port>
  <radius-server-source-address>
    radius-server-source-address
  </radius-server-source-address>
  <radius-server-timeout>
    radius-server-timeout
  </radius-server-timeout>
  <radius-server-retry-count>
    radius-server-retry-count
  </radius-server-retry-count>
  <radius-server-secret>
    radius-server-secret
  </radius-server-secret>
  <radius-server-status>
    radius-server-status
  </radius-server-status>
  <radius-server-attempts>
    radius-server-attempts
  </radius-server-attempts>
</radius-profile-access-test-result>

```

**Description** RADIUS server access test

## <radius-server-access-test-result>

### Usage

```
<radius-server-access-test-result>
  <radius-server-ip-address>
    radius-server-ip-address
  </radius-server-ip-address>
  <radius-server-udp-port>
    radius-server-udp-port
  </radius-server-udp-port>
  <radius-server-source-address>
    radius-server-source-address
  </radius-server-source-address>
  <radius-server-timeout>
    radius-server-timeout
  </radius-server-timeout>
  <radius-server-retry-count>
    radius-server-retry-count
  </radius-server-retry-count>
  <radius-server-secret>
    radius-server-secret
  </radius-server-secret>
  <radius-client-user-name>
    radius-client-user-name
  </radius-client-user-name>
  <radius-client-password>
    radius-client-password
  </radius-client-password>
  <radius-server-status>
    radius-server-status
  </radius-server-status>
</radius-server-access-test-result>
```

**Description** RADIUS server access test

## <restart-bsg-service-information>

### Usage

```
<restart-bsg-service-information>
  <gateway-name>
    gateway-name
  </gateway-name>
  <platform>
    platform
  </platform>
  <process-id>
    process-id
  </process-id>
</restart-bsg-service-information>
```

**Description** Restarted border signaling gateway process information



**<restart-pgcp-service-information>****Usage**

```

<restart-pgcp-service-information>
  <gateway-name>
    gateway-name
  </gateway-name>
  <platform>
    platform
  </platform>
  <process-id>
    process-id
  </process-id>
</restart-pgcp-service-information>

```

**Description**    Restarted pgcp process information

**<rule-entry>****Usage**

```

<pgcpd-active-configuration>
  <rule-entry>
    <rule-name>
      rule-name
    </rule-name>
    <rule-gateway-name>
      rule-gateway-name
    </rule-gateway-name>
    <media-service-ref-entry>....</media-service-ref-entry>
  </rule-entry>
</pgcpd-active-configuration>

```

**Description**

**<rule-entry>****Usage**

```

<pgcpd-active-configuration>
  <pgcpd-config>
    <rule-entry>
      <rule-name>
        rule-name
      </rule-name>
      <rule-gateway-name>
        rule-gateway-name
      </rule-gateway-name>
      <media-service-ref-entry>....</media-service-ref-entry>
    </rule-entry>
  </pgcpd-config>
</pgcpd-active-configuration>

```

**Description****<rule-ref-entry>****Usage**

```
<pgcpd-active-configuration>  
  <rule-ref-entry>  
    <rule-ref-name>  
      rule-ref-name  
    </rule-ref-name>  
  </rule-ref-entry>  
</pgcpd-active-configuration>
```

**Description****<rule-ref-entry>****Usage**

```
<pgcpd-active-configuration>  
  <service-set-entry>  
    <rule-ref-entry>  
      <rule-ref-name>  
        rule-ref-name  
      </rule-ref-name>  
    </rule-ref-entry>  
  </service-set-entry>  
</pgcpd-active-configuration>
```

**Description****<rule-ref-entry>****Usage**

```
<pgcpd-active-configuration>  
  <pgcpd-config>  
    <service-set-entry>  
      <rule-ref-entry>  
        <rule-ref-name>  
          rule-ref-name  
        </rule-ref-name>  
      </rule-ref-entry>  
    </service-set-entry>  
  </pgcpd-config>  
</pgcpd-active-configuration>
```

**Description****<sequencer-entries>****Usage**

```
<lsqinfo-cpu-usage-information>  
  <sequencer-entries>  
    <sequencer-entry>.....</sequencer-entry>
```

```

</sequencer-entries>
</lsqinfo-cpu-usage-information>

```

#### Description

#### <sequencer-entry>

#### Usage

```

<lsqinfo-cpu-usage-information>
<sequencer-entries>
  <sequencer-entry>
    <cpu-name>
      cpu-name
    </cpu-name>
    <idle>
      idle
    </idle>
    <system>
      system
    </system>
    <input-lfi>
      input-lfi
    </input-lfi>
    <input-fragments>
      input-fragments
    </input-fragments>
    <output-fragments>
      output-fragments
    </output-fragments>
    <output-retry>
      output-retry
    </output-retry>
  </sequencer-entry>
</sequencer-entries>
</lsqinfo-cpu-usage-information>

```

**Description** Sequencer CPU usage information

#### <service-bsg-debug-method-invoker>

#### Usage

```

<service-bsg-debug-method-invoker>
  <service-bsg-debug-method-invoker-result>
    service-bsg-debug-method-invoker-result
  </service-bsg-debug-method-invoker-result>
</service-bsg-debug-method-invoker>

```

**Description** Service border signaling gateway debug method-invoker

### <service-cos-statistics-entry>

#### Usage

```
<service-cos-statistics-information>
  <service-cos-statistics-entry>
    <interface-name>
      interface-name
    </interface-name>
    <service-set-name>
      service-set-name
    </service-set-name>

    <cos-stats-service-set-dscp-information>....</cos-stats-service-set-dscp-information>

    <cos-stats-service-set-forwarding-class-information>...</cos-stats-service-set-forwarding-class-information>

  </service-cos-statistics-entry>
</service-cos-statistics-information>
```

**Description** Class of service statistics entry

### <service-cos-statistics-information>

#### Usage

```
<service-cos-statistics-information>
  <service-cos-statistics-entry>....</service-cos-statistics-entry>
</service-cos-statistics-information>
```

**Description** Class of service statistics information

### <service-crtip-extensive-information>

#### Usage

```
<service-crtip-extensive-information>
</service-crtip-extensive-information>
```

**Description** Per-interface negotiated CRTIP options and statistics

### <service-crtip-flow-table>

#### Usage

```
<crtip-per-interface-flow-table>
  <service-crtip-flow-table>
    <crtip-flow-entry>....</crtip-flow-entry>
  </service-crtip-flow-table>
</crtip-per-interface-flow-table>
```

**Description** CRTIP flows

### <service-crtp-flow-table>

#### Usage

```

<service-crtp-flow-table-information>
  <crtp-per-interface-flow-table>
    <service-crtp-flow-table>
      <crtp-flow-entry>....</crtp-flow-entry>
    </service-crtp-flow-table>
  </crtp-per-interface-flow-table>
</service-crtp-flow-table-information>

```

**Description** CRTP flows

### <service-crtp-flow-table-information>

#### Usage

```

<service-crtp-flow-table-information>
  <crtp-per-interface-flow-table>....</crtp-per-interface-flow-table>
</service-crtp-flow-table-information>

```

**Description** CRTP flows sorted by interface name

### <service-crtp-params-information>

#### Usage

```

<service-crtp-params-information>
</service-crtp-params-information>

```

**Description** Negotiated CRTP options sorted by interface name

### <service-current-software-count>

#### Usage

```

<service-current-software-count-information>
  <service-current-software-count>
    <interface-name>
      interface-name
    </interface-name>
    <service-set-name>
      service-set-name
    </service-set-name>
    <ds-lite-software-count>
      ds-lite-software-count
    </ds-lite-software-count>
    <v6rd-software-count>
      v6rd-software-count
    </v6rd-software-count>
  </service-current-software-count>
</service-current-software-count-information>

```

**Description** Current software count

### <service-current-software-count-information>

**Usage**

```
<service-current-software-count-information>
  <service-current-software-count>....</service-current-software-count>
</service-current-software-count-information>
```

**Description** Count of matching current software entries

### <service-flow-analysis-information>

**Usage**

```
<service-flow-analysis-information>
  <flow-analysis-statistics-pic-info>....</flow-analysis-statistics-pic-info>
  <flow-analysis-statistics-entry>....</flow-analysis-statistics-entry>

  <flow-analysis-num-flows-sec-samples-entry>....</flow-analysis-num-flows-sec-samples-entry>

  <flow-analysis-num-flows-sec-entry>....</flow-analysis-num-flows-sec-entry>
  <flow-analysis-protocol-lifetime-entry>....</flow-analysis-protocol-lifetime-entry>

</service-flow-analysis-information>
```

**Description**

### <service-identification-statistics>

**Usage**

```
<service-identification-statistics>
  <interface-name>
    interface-name
  </interface-name>
  <interfaces>
    interfaces
  </interfaces>
  <packets>
    packets
  </packets>
  <bytes>
    bytes
  </bytes>
  <errored-packets>
    errored-packets
  </errored-packets>
  <errored-bytes>
    errored-bytes
  </errored-bytes>
  <packet-processing-error>
    packet-processing-error
  </packet-processing-error>
  <errored-packets-tcp-malformed>
```

```
errored-packets-tcp-malformed
</errored-packets-tcp-malformed>
<errored-packets-wap-invalid-transaction>
errored-packets-wap-invalid-transaction
</errored-packets-wap-invalid-transaction>
<errored-packets-wap-transaction-in-error>
errored-packets-wap-transaction-in-error
</errored-packets-wap-transaction-in-error>
<errored-packets-http-transaction-in-error>
errored-packets-http-transaction-in-error
</errored-packets-http-transaction-in-error>
<header-examination-packets>
header-examination-packets
</header-examination-packets>
<header-examination-bytes>
header-examination-bytes
</header-examination-bytes>
<header-examination-flow>
header-examination-flow
</header-examination-flow>
<header-examination-flow-matched>
header-examination-flow-matched
</header-examination-flow-matched>
<header-examination-protocol-required>
header-examination-protocol-required
</header-examination-protocol-required>
<header-examination-http-protocol-required>
header-examination-http-protocol-required
</header-examination-http-protocol-required>
<header-examination-wap-protocol-required>
header-examination-wap-protocol-required
</header-examination-wap-protocol-required>
<protocol-inspected-flow>
protocol-inspected-flow
</protocol-inspected-flow>
<protocol-inspection-flow>
protocol-inspection-flow
</protocol-inspection-flow>
<protocol-inspection-packets>
protocol-inspection-packets
</protocol-inspection-packets>
<protocol-inspection-bytes>
protocol-inspection-bytes
</protocol-inspection-bytes>
<protocol-inspection-flow-protocol-identified>
protocol-inspection-flow-protocol-identified
</protocol-inspection-flow-protocol-identified>
<protocol-inspection-http-uri>
protocol-inspection-http-uri
</protocol-inspection-http-uri>
<protocol-inspection-http-uri-matched>
protocol-inspection-http-uri-matched
</protocol-inspection-http-uri-matched>
<protocol-inspection-wap-uri>
protocol-inspection-wap-uri
</protocol-inspection-wap-uri>
```

```
<protocol-inspection-wap-uri-matched>
  protocol-inspection-wap-uri-matched
</protocol-inspection-wap-uri-matched>
<wap-transaction-created>
  wap-transaction-created
</wap-transaction-created>
<wap-transaction-maximum>
  wap-transaction-maximum
</wap-transaction-maximum>
<wap-transaction-freed>
  wap-transaction-freed
</wap-transaction-freed>
<wap-transaction-idle-freed>
  wap-transaction-idle-freed
</wap-transaction-idle-freed>
<http-transaction-created>
  http-transaction-created
</http-transaction-created>
<http-transaction-maximum>
  http-transaction-maximum
</http-transaction-maximum>
<http-transaction-freed>
  http-transaction-freed
</http-transaction-freed>
<http-transaction-idle-freed>
  http-transaction-idle-freed
</http-transaction-idle-freed>
<uri-processing-error>
  uri-processing-error
</uri-processing-error>
<uri-error-failed-to-process>
  uri-error-failed-to-process
</uri-error-failed-to-process>
<uri-error-too-long>
  uri-error-too-long
</uri-error-too-long>
<transaction-error-failed-to-parse>
  transaction-error-failed-to-parse
</transaction-error-failed-to-parse>
<uri-error-no-system-resources>
  uri-error-no-system-resources
</uri-error-no-system-resources>
<header-examination-failed-configuration>
  header-examination-failed-configuration
</header-examination-failed-configuration>
<uri-examination-failed-configuration>
  uri-examination-failed-configuration
</uri-examination-failed-configuration>
</service-identification-statistics>
```

**Description** Statistics for the service-identification service



## &lt;service-identification-statistics&gt;

## Usage

```

<service-identification-statistics-information>
  <service-identification-statistics>
    <interface-name>
      interface-name
    </interface-name>
    <interfaces>
      interfaces
    </interfaces>
    <packets>
      packets
    </packets>
    <bytes>
      bytes
    </bytes>
    <errored-packets>
      errored-packets
    </errored-packets>
    <errored-bytes>
      errored-bytes
    </errored-bytes>
    <packet-processing-error>
      packet-processing-error
    </packet-processing-error>
    <errored-packets-tcp-malformed>
      errored-packets-tcp-malformed
    </errored-packets-tcp-malformed>
    <errored-packets-wap-invalid-transaction>
      errored-packets-wap-invalid-transaction
    </errored-packets-wap-invalid-transaction>
    <errored-packets-wap-transaction-in-error>
      errored-packets-wap-transaction-in-error
    </errored-packets-wap-transaction-in-error>
    <errored-packets-http-transaction-in-error>
      errored-packets-http-transaction-in-error
    </errored-packets-http-transaction-in-error>
    <header-examination-packets>
      header-examination-packets
    </header-examination-packets>
    <header-examination-bytes>
      header-examination-bytes
    </header-examination-bytes>
    <header-examination-flow>
      header-examination-flow
    </header-examination-flow>
    <header-examination-flow-matched>
      header-examination-flow-matched
    </header-examination-flow-matched>
    <header-examination-protocol-required>
      header-examination-protocol-required
    </header-examination-protocol-required>
    <header-examination-http-protocol-required>
      header-examination-http-protocol-required

```

```
</header-examination-http-protocol-required>
<header-examination-wap-protocol-required>
  header-examination-wap-protocol-required
</header-examination-wap-protocol-required>
<protocol-inspected-flow>
  protocol-inspected-flow
</protocol-inspected-flow>
<protocol-inspection-flow>
  protocol-inspection-flow
</protocol-inspection-flow>
<protocol-inspection-packets>
  protocol-inspection-packets
</protocol-inspection-packets>
<protocol-inspection-bytes>
  protocol-inspection-bytes
</protocol-inspection-bytes>
<protocol-inspection-flow-protocol-identified>
  protocol-inspection-flow-protocol-identified
</protocol-inspection-flow-protocol-identified>
<protocol-inspection-http-uri>
  protocol-inspection-http-uri
</protocol-inspection-http-uri>
<protocol-inspection-http-uri-matched>
  protocol-inspection-http-uri-matched
</protocol-inspection-http-uri-matched>
<protocol-inspection-wap-uri>
  protocol-inspection-wap-uri
</protocol-inspection-wap-uri>
<protocol-inspection-wap-uri-matched>
  protocol-inspection-wap-uri-matched
</protocol-inspection-wap-uri-matched>
<wap-transaction-created>
  wap-transaction-created
</wap-transaction-created>
<wap-transaction-maximum>
  wap-transaction-maximum
</wap-transaction-maximum>
<wap-transaction-freed>
  wap-transaction-freed
</wap-transaction-freed>
<wap-transaction-idle-freed>
  wap-transaction-idle-freed
</wap-transaction-idle-freed>
<http-transaction-created>
  http-transaction-created
</http-transaction-created>
<http-transaction-maximum>
  http-transaction-maximum
</http-transaction-maximum>
<http-transaction-freed>
  http-transaction-freed
</http-transaction-freed>
<http-transaction-idle-freed>
  http-transaction-idle-freed
</http-transaction-idle-freed>
<uri-processing-error>
```

```

        uri-processing-error
      </uri-processing-error>
      <uri-error-failed-to-process>
        uri-error-failed-to-process
      </uri-error-failed-to-process>
      <uri-error-too-long>
        uri-error-too-long
      </uri-error-too-long>
      <transaction-error-failed-to-parse>
        transaction-error-failed-to-parse
      </transaction-error-failed-to-parse>
      <uri-error-no-system-resources>
        uri-error-no-system-resources
      </uri-error-no-system-resources>
      <header-examination-failed-configuration>
        header-examination-failed-configuration
      </header-examination-failed-configuration>
      <uri-examination-failed-configuration>
        uri-examination-failed-configuration
      </uri-examination-failed-configuration>
    </service-identification-statistics>
  </service-identification-statistics-information>

```

**Description** Statistics for the service-identification service

### <service-identification-statistics-information>

#### Usage

```

<service-identification-statistics-information>
  <service-identification-statistics>....</service-identification-statistics>
</service-identification-statistics-information>

```

#### Description

### <service-ids-flow-table-information>

#### Usage

```

<service-ids-flow-table-information>
  <ids-show-summary>....</ids-show-summary>
  <ids-per-service-set-flow-table>....</ids-per-service-set-flow-table>
</service-ids-flow-table-information>

```

**Description** IDS table

### <service-l2tp-destination-clear-information>

#### Usage

```

<service-l2tp-destination-clear-information>
  <l2tp-destination-clear-entry>....</l2tp-destination-clear-entry>
</service-l2tp-destination-clear-information>

```

**Description** L2TP cleared destination information

### <service-l2tp-destination-information>

**Usage**

```
<service-l2tp-destination-information>  
  <l2tp-destination-table>....</l2tp-destination-table>  
</service-l2tp-destination-information>
```

**Description** L2TP destination information

### <service-l2tp-lac-summary-information>

**Usage**

```
<service-l2tp-lac-summary-information>  
  <l2tp-lac-summary-table>....</l2tp-lac-summary-table>  
</service-l2tp-lac-summary-information>
```

**Description** L2TP summary information

### <service-l2tp-multilink-clear-information>

**Usage**

```
<service-l2tp-multilink-clear-information>  
  <l2tp-multilink-clear-entry>....</l2tp-multilink-clear-entry>  
</service-l2tp-multilink-clear-information>
```

**Description** Multilink information cleared by L2TP

### <service-l2tp-session-clear-information>

**Usage**

```
<service-l2tp-session-clear-information>  
  <l2tp-session-clear-entry>....</l2tp-session-clear-entry>  
</service-l2tp-session-clear-information>
```

**Description** L2TP cleared session information

### <service-l2tp-session-information>

**Usage**

```
<service-l2tp-session-information>  
  <l2tp-per-tunnel-session-table>....</l2tp-per-tunnel-session-table>  
</service-l2tp-session-information>
```

**Description** L2TP session information

### <service-l2tp-summary-information>

**Usage**

```
<service-l2tp-summary-information>
  <l2tp-summary-table>....</l2tp-summary-table>
</service-l2tp-summary-information>
```

**Description** L2TP summary information

### <service-l2tp-tunnel-clear-information>

**Usage**

```
<service-l2tp-tunnel-clear-information>
  <l2tp-tunnel-clear-entry>....</l2tp-tunnel-clear-entry>
</service-l2tp-tunnel-clear-information>
```

**Description** L2TP cleared tunnel information

### <service-l2tp-tunnel-information>

**Usage**

```
<service-l2tp-tunnel-information>
  <l2tp-per-tunnel-group-tunnel-table>....</l2tp-per-tunnel-group-tunnel-table>
</service-l2tp-tunnel-information>
```

**Description** L2TP tunnel information

### <service-l2tp-user-information>

**Usage**

```
<service-l2tp-user-information>
  <l2tp-per-tunnel-user-table>....</l2tp-per-tunnel-user-table>
</service-l2tp-user-information>
```

**Description** L2TP user information

### <service-msp-alg-conversation-information>

**Usage**

```
<service-msp-alg-conversation-information>
  <interface-name>
    interface-name
  </interface-name>
  <msp-alg-conv-all-entry>....</msp-alg-conv-all-entry>
  <msp-alg-conv-all-extensive-entry>....</msp-alg-conv-all-extensive-entry>
  <msp-alg-conv-summary-entry>....</msp-alg-conv-summary-entry>
  <msp-alg-conv-groups-entry>....</msp-alg-conv-groups-entry>
  <msp-alg-conv-group-num-entry>....</msp-alg-conv-group-num-entry>
```

```
<msp-alg-conv-resources-entry>....</msp-alg-conv-resources-entry>
<msp-alg-conv-resource-num-entry>....</msp-alg-conv-resource-num-entry>
</service-msp-alg-conversation-information>
```

**Description** Show ALG conversation details

### <service-msp-alg-stats-information>

#### Usage

```
<service-msp-alg-stats-information>
<interface-name>
  interface-name
</interface-name>
<msp-alg-rsh-entry>....</msp-alg-rsh-entry>
<msp-alg-dns-entry>....</msp-alg-dns-entry>
<msp-alg-pptp-entry>....</msp-alg-pptp-entry>
<msp-alg-rtsp-entry>....</msp-alg-rtsp-entry>
<msp-alg-ftp-entry>....</msp-alg-ftp-entry>
<msp-alg-talk-entry>....</msp-alg-talk-entry>
<msp-alg-sql-entry>....</msp-alg-sql-entry>
<msp-alg-dce-rpc-portmap-entry>....</msp-alg-dce-rpc-portmap-entry>
<msp-alg-dce-rpc-entry>....</msp-alg-dce-rpc-entry>
<msp-alg-rpc-portmap-entry>....</msp-alg-rpc-portmap-entry>
<msp-alg-rpc-entry>....</msp-alg-rpc-entry>
<msp-alg-sip-entry>....</msp-alg-sip-entry>
</service-msp-alg-stats-information>
```

**Description** Show ALG statistics

### <service-msp-flow-drain>

#### Usage

```
<service-msp-flow-drain-information>
<service-msp-flow-drain>
<interface-name>
  interface-name
</interface-name>
<service-set-name>
  service-set-name
</service-set-name>
<flows-removed>
  flows-removed
</flows-removed>
</service-msp-flow-drain>
</service-msp-flow-drain-information>
```

**Description** Flow removed

### <service-msp-flow-drain-information>

**Usage**

```
<service-msp-flow-drain-information>
  <service-msp-flow-drain>....</service-msp-flow-drain>
</service-msp-flow-drain-information>
```

**Description** Remove established flows from the flow table

### <service-msp-sess-count>

**Usage**

```
<service-msp-sess-count-information>
  <service-msp-sess-count>
    <interface-name>
      interface-name
    </interface-name>
    <service-set-name>
      service-set-name
    </service-set-name>
    <sess-count>
      sess-count
    </sess-count>
  </service-msp-sess-count>
</service-msp-sess-count-information>
```

**Description** Stateful firewall sessions count

### <service-msp-sess-count-information>

**Usage**

```
<service-msp-sess-count-information>
  <service-msp-sess-count>....</service-msp-sess-count>
</service-msp-sess-count-information>
```

**Description** Count of matching session entries

### <service-msp-sess-table-information>

**Usage**

```
<service-msp-sess-table-information>
  <msp-per-service-set-sess-table>....</msp-per-service-set-sess-table>
</service-msp-sess-table-information>
```

**Description** Sessions sorted by service set

## <service-nat-ipv6-multicast-interfaces>

### Usage

```
<service-nat-ipv6-multicast-interfaces>
  <v6-multicast-interface-name>
    v6-multicast-interface-name
  </v6-multicast-interface-name>
  <v6-multicast-configured-status>
    v6-multicast-configured-status
  </v6-multicast-configured-status>
  <v6-multicast-operation-status>
    v6-multicast-operation-status
  </v6-multicast-operation-status>
  <v6-multicast-by-all>
    v6-multicast-by-all
  </v6-multicast-by-all>
</service-nat-ipv6-multicast-interfaces>
```

**Description** IPv6 multicast interfaces

## <service-nat-ipv6-multicast-interfaces>

### Usage

```
<service-nat-ipv6-multicast-interfaces-information>
  <service-nat-ipv6-multicast-interfaces>
    <v6-multicast-interface-name>
      v6-multicast-interface-name
    </v6-multicast-interface-name>
    <v6-multicast-configured-status>
      v6-multicast-configured-status
    </v6-multicast-configured-status>
    <v6-multicast-operation-status>
      v6-multicast-operation-status
    </v6-multicast-operation-status>
    <v6-multicast-by-all>
      v6-multicast-by-all
    </v6-multicast-by-all>
  </service-nat-ipv6-multicast-interfaces>
</service-nat-ipv6-multicast-interfaces-information>
```

**Description** IPv6 multicast interfaces

## <service-nat-ipv6-multicast-interfaces-information>

### Usage

```
<service-nat-ipv6-multicast-interfaces-information>
  <service-nat-ipv6-multicast-interfaces>....</service-nat-ipv6-multicast-interfaces>

</service-nat-ipv6-multicast-interfaces-information>
```



**Description** IPv6 multicast interfaces information

### <service-nat-mapping-information>

#### Usage

```
<service-nat-mapping-information>
  <natmapping-address-mapping>....</natmapping-address-mapping>
  <sfw-per-service-set-nat-mapping>....</sfw-per-service-set-nat-mapping>
  <natmapping-summary>....</natmapping-summary>
</service-nat-mapping-information>
```

**Description** NAT mapping information

### <service-nat-pool>

#### Usage

```
<service-nat-pool-information>
  <sfw-per-service-set-nat-pool>
    <service-nat-pool>
      <pool-name>
        pool-name
      </pool-name>
      <translation-type>
        translation-type
      </translation-type>
      <pool-address-start>
        pool-address-start
      </pool-address-start>
      <pool-address-end>
        pool-address-end
      </pool-address-end>
      <pool-address-range>
        pool-address-range
      </pool-address-range>
      <pool-address-range-list>....</pool-address-range-list>
      <pool-port-low>
        pool-port-low
      </pool-port-low>
      <pool-port-high>
        pool-port-high
      </pool-port-high>
      <pool-port-range>
        pool-port-range
      </pool-port-range>
      <pool-ports-in-use>
        pool-ports-in-use
      </pool-ports-in-use>
      <pool-out-of-port-errors>
        pool-out-of-port-errors
      </pool-out-of-port-errors>
      <pool-out-of-address-errors>
        pool-out-of-address-errors
      </pool-out-of-address-errors>
```

```
<pool-max-ports-in-use>
  pool-max-ports-in-use
</pool-max-ports-in-use>
<pool-addresses-in-use>
  pool-addresses-in-use
</pool-addresses-in-use>
<port-block-size>
  port-block-size
</port-block-size>
<active-block-timeout>
  active-block-timeout
</active-block-timeout>
<max-blocks-per-address>
  max-blocks-per-address
</max-blocks-per-address>
<effective-port-blocks>
  effective-port-blocks
</effective-port-blocks>
<effective-ports>
  effective-ports
</effective-ports>
<max-port-blocks-used>
  max-port-blocks-used
</max-port-blocks-used>
<port-blocks-in-use>
  port-blocks-in-use
</port-blocks-in-use>
<port-block-allocation-errors>
  port-block-allocation-errors
</port-block-allocation-errors>
<effective-pba-port-range>
  effective-pba-port-range
</effective-pba-port-range>
<port-block-efficiency>
  port-block-efficiency
</port-block-efficiency>
</service-nat-pool>
</sfw-per-service-set-nat-pool>
</service-nat-pool-information>
```

**Description** NAT pool information

### <service-nat-pool-information>

#### Usage

```
<service-nat-pool-information>
  <sfw-per-service-set-nat-pool>....</sfw-per-service-set-nat-pool>
</service-nat-pool-information>
```

**Description** Show information about NAT pools

### <service-nat-pool-map>

#### Usage

```

<service-nat-mapping-information>
  <sfw-per-service-set-nat-mapping>
    <service-nat-pool-map>
      <pool-name>
        pool-name
      </pool-name>
      <natmapping-address-mapping>....</natmapping-address-mapping>
    </service-nat-pool-map>
  </sfw-per-service-set-nat-mapping>
</service-nat-mapping-information>

```

**Description** NAT pool information

### <service-nat-statistics-clear-information>

#### Usage

```

<service-nat-statistics-clear-information>
  <clear-nat-statistics-status>
    clear-nat-statistics-status
  </clear-nat-statistics-status>
</service-nat-statistics-clear-information>

```

**Description** Clear NAT statistics information

### <service-nat-statistics-information>

#### Usage

```

<service-nat-statistics-information>
  <interface-name>
    interface-name
  </interface-name>
  <query-unsupported-msg>
    query-unsupported-msg
  </query-unsupported-msg>
  <nat-total-session-accepts>
    nat-total-session-accepts
  </nat-total-session-accepts>
  <nat-total-session-discards>
    nat-total-session-discards
  </nat-total-session-discards>
  <nat-total-session-ignores>
    nat-total-session-ignores
  </nat-total-session-ignores>
  <nat-session-accepts-due-to-alg>
    nat-session-accepts-due-to-alg
  </nat-session-accepts-due-to-alg>
  <nat-pkt-dst-in-nat-route>
    nat-pkt-dst-in-nat-route
  </nat-pkt-dst-in-nat-route>

```

```
<nat-session-ext-alloc-failures>
  nat-session-ext-alloc-failures
</nat-session-ext-alloc-failures>
<nat-map-allocation-successes>
  nat-map-allocation-successes
</nat-map-allocation-successes>
<nat-map-allocation-failures>
  nat-map-allocation-failures
</nat-map-allocation-failures>
<nat-total-pkts-processed>
  nat-total-pkts-processed
</nat-total-pkts-processed>
<nat-total-pkts-forwarded>
  nat-total-pkts-forwarded
</nat-total-pkts-forwarded>
<nat-total-pkts-discarded>
  nat-total-pkts-discarded
</nat-total-pkts-discarded>
<nat-total-pkts-translated>
  nat-total-pkts-translated
</nat-total-pkts-translated>
<nat-total-pkts-restored>
  nat-total-pkts-restored
</nat-total-pkts-restored>
<nat-src-ipv4-translations>
  nat-src-ipv4-translations
</nat-src-ipv4-translations>
<nat-src-ipv4-restorations>
  nat-src-ipv4-restorations
</nat-src-ipv4-restorations>
<nat-dst-ipv4-translations>
  nat-dst-ipv4-translations
</nat-dst-ipv4-translations>
<nat-dst-ipv4-restorations>
  nat-dst-ipv4-restorations
</nat-dst-ipv4-restorations>
<nat-src-port-translations>
  nat-src-port-translations
</nat-src-port-translations>
<nat-src-port-restorations>
  nat-src-port-restorations
</nat-src-port-restorations>
<nat-dst-port-translations>
  nat-dst-port-translations
</nat-dst-port-translations>
<nat-dst-port-restorations>
  nat-dst-port-restorations
</nat-dst-port-restorations>
<nat-icmp-id-translations>
  nat-icmp-id-translations
</nat-icmp-id-translations>
<nat-icmp-id-restorations>
  nat-icmp-id-restorations
</nat-icmp-id-restorations>
<nat-icmp-error-translations>
  nat-icmp-error-translations
```

```

</nat-icmp-error-translations>
<nat-tcp-port-translations>
  nat-tcp-port-translations
</nat-tcp-port-translations>
<nat-tcp-port-restorations>
  nat-tcp-port-restorations
</nat-tcp-port-restorations>
<nat-udp-port-translations>
  nat-udp-port-translations
</nat-udp-port-translations>
<nat-udp-port-restorations>
  nat-udp-port-restorations
</nat-udp-port-restorations>
<nat-gre-call-id-translations>
  nat-gre-call-id-translations
</nat-gre-call-id-translations>
<nat-gre-call-id-restorations>
  nat-gre-call-id-restorations
</nat-gre-call-id-restorations>
</service-nat-statistics-information>

```

#### Description

### <service-pgcp-conversation-information>

#### Usage

```

<service-pgcp-conversation-information>
  <pgcp-per-service-set-conversation>....</pgcp-per-service-set-conversation>
</service-pgcp-conversation-information>

```

**Description** Show conversations

### <service-pgcp-debug-applicationq-latency>

#### Usage

```

<service-pgcp-debug-applicationq-latency>
  <debug-applicationq-latency-information>
    debug-applicationq-latency-information
  </debug-applicationq-latency-information>
</service-pgcp-debug-applicationq-latency>

```

#### Description

### <service-pgcp-debug-applicationq-size>

#### Usage

```

<service-pgcp-debug-applicationq-size>
  <debug-applicationq-size-information>
    debug-applicationq-size-information
  </debug-applicationq-size-information>
</service-pgcp-debug-applicationq-size>

```

**Description****<service-pgcp-debug-commit-latency>****Usage**

```
<service-pgcp-debug-commit-latency>
  <debug-commit-latency-information>
    debug-commit-latency-information
  </debug-commit-latency-information>
</service-pgcp-debug-commit-latency>
```

**Description****<service-pgcp-debug-mem-mgmt-location>****Usage**

```
<service-pgcp-debug-mem-mgmt-location>
  <debug-mem-mgmt-location-information>
    debug-mem-mgmt-location-information
  </debug-mem-mgmt-location-information>
</service-pgcp-debug-mem-mgmt-location>
```

**Description****<service-pgcp-debug-mem-mgmt-memory-usage>****Usage**

```
<service-pgcp-debug-mem-mgmt-memory-usage>
  <debug-mem-mgmt-memory-usage-information>
    debug-mem-mgmt-memory-usage-information
  </debug-mem-mgmt-memory-usage-information>
</service-pgcp-debug-mem-mgmt-memory-usage>
```

**Description****<service-pgcp-debug-mem-mgmt-type>****Usage**

```
<service-pgcp-debug-mem-mgmt-type>
  <debug-mem-mgmt-type-information>
    debug-mem-mgmt-type-information
  </debug-mem-mgmt-type-information>
</service-pgcp-debug-mem-mgmt-type>
```

**Description****<service-pgcp-debug-profiling-applicationq-latency-information>****Usage**

```
<service-pgcp-debug-profiling-applicationq-latency-information>
</service-pgcp-debug-profiling-applicationq-latency-information>
```

**Description** Application queue latency information cleared by pgcpd

#### <service-pgcp-debug-profiling-datastore-commit-latency-information>

**Usage**

```
<service-pgcp-debug-profiling-datastore-commit-latency-information>  
</service-pgcp-debug-profiling-datastore-commit-latency-information>
```

**Description** Datastore commit latency information cleared by pgcpd

#### <service-pgcp-debug-profiling-resumeq-latency-information>

**Usage**

```
<service-pgcp-debug-profiling-resumeq-latency-information>  
</service-pgcp-debug-profiling-resumeq-latency-information>
```

**Description** Resume queue latency information cleared by pgcpd

#### <service-pgcp-debug-profiling-waitq-latency-information>

**Usage**

```
<service-pgcp-debug-profiling-waitq-latency-information>  
</service-pgcp-debug-profiling-waitq-latency-information>
```

**Description** Wait queue latency information cleared by pgcpd

#### <service-pgcp-debug-profiling-workq-latency-information>

**Usage**

```
<service-pgcp-debug-profiling-workq-latency-information>  
</service-pgcp-debug-profiling-workq-latency-information>
```

**Description** Work queue latency information cleared by pgcpd

#### <service-pgcp-debug-resumeq-latency>

**Usage**

```
<service-pgcp-debug-resumeq-latency>  
  <debug-resumeq-latency-information>  
    debug-resumeq-latency-information  
  </debug-resumeq-latency-information>  
</service-pgcp-debug-resumeq-latency>
```

**Description**

### <service-pgcp-debug-resumeq-size>

#### Usage

```
<service-pgcp-debug-resumeq-size>
  <debug-resumeq-size-information>
    debug-resumeq-size-information
  </debug-resumeq-size-information>
</service-pgcp-debug-resumeq-size>
```

#### Description

### <service-pgcp-debug-roundtrip>

#### Usage

```
<service-pgcp-debug-roundtrip>
  <debug-roundtrip-information>
    debug-roundtrip-information
  </debug-roundtrip-information>
</service-pgcp-debug-roundtrip>
```

#### Description

### <service-pgcp-debug-waitq-latency>

#### Usage

```
<service-pgcp-debug-waitq-latency>
  <debug-waitq-latency-information>
    debug-waitq-latency-information
  </debug-waitq-latency-information>
</service-pgcp-debug-waitq-latency>
```

#### Description

### <service-pgcp-debug-waitq-size>

#### Usage

```
<service-pgcp-debug-waitq-size>
  <debug-waitq-size-information>
    debug-waitq-size-information
  </debug-waitq-size-information>
</service-pgcp-debug-waitq-size>
```

#### Description

### <service-pgcp-debug-workq-latency>

#### Usage

```
<service-pgcp-debug-workq-latency>
  <debug-workq-latency-information>
    debug-workq-latency-information
  </debug-workq-latency-information>
```



```
</service-pgcp-debug-workq-latency>
```

#### Description

```
<service-pgcp-debug-workq-size>
```

#### Usage

```
<service-pgcp-debug-workq-size>
  <debug-workq-size-information>
    debug-workq-size-information
  </debug-workq-size-information>
</service-pgcp-debug-workq-size>
```

#### Description

```
<service-pgcp-error-reply>
```

#### Usage

```
<service-pgcp-error-reply>
  <service-pgcp-error-reply-message>
    service-pgcp-error-reply-message
  </service-pgcp-error-reply-message>
</service-pgcp-error-reply>
```

#### Description

```
<service-pgcp-flow-count>
```

#### Usage

```
<service-pgcp-flow-count-information>
  <service-pgcp-flow-count>
    <interface-name>
      interface-name
    </interface-name>
    <service-set-name>
      service-set-name
    </service-set-name>
    <flow-count>
      flow-count
    </flow-count>
  </service-pgcp-flow-count>
</service-pgcp-flow-count-information>
```

**Description** Stateful firewall flow count

```
<service-pgcp-flow-count-information>
```

#### Usage

```
<service-pgcp-flow-count-information>
  <service-pgcp-flow-count>....</service-pgcp-flow-count>
```

</service-pgcp-flow-count-information>

**Description** Count of matching flow entries

### <service-pgcp-flow-table>

#### Usage

```
<pgcp-per-service-set-flow-table>
  <service-pgcp-flow-table>
    <pgcp-flow-entry>....</pgcp-flow-entry>
  </service-pgcp-flow-table>
</pgcp-per-service-set-flow-table>
```

**Description** Stateful firewall flows

### <service-pgcp-flow-table>

#### Usage

```
<service-pgcp-flow-table-information>
  <pgcp-per-service-set-flow-table>
    <service-pgcp-flow-table>
      <pgcp-flow-entry>....</pgcp-flow-entry>
    </service-pgcp-flow-table>
  </pgcp-per-service-set-flow-table>
</service-pgcp-flow-table-information>
```

**Description** Stateful firewall flows

### <service-pgcp-flow-table>

#### Usage

```
<pgcp-per-service-set-conversation>
  <pgcp-conversation>
    <service-pgcp-flow-table>
      <pgcp-flow-entry>....</pgcp-flow-entry>
    </service-pgcp-flow-table>
  </pgcp-conversation>
</pgcp-per-service-set-conversation>
```

**Description** Stateful firewall flows

### <service-pgcp-flow-table>

#### Usage

```
<service-pgcp-conversation-information>
  <pgcp-per-service-set-conversation>
    <pgcp-conversation>
      <service-pgcp-flow-table>
        <pgcp-flow-entry>....</pgcp-flow-entry>
```

```

    </service-pgcp-flow-table>
  </pgcp-conversation>
</pgcp-per-service-set-conversation>
</service-pgcp-conversation-information>

```

**Description** Stateful firewall flows

### <service-pgcp-flow-table-information>

#### Usage

```

<service-pgcp-flow-table-information>
  <pgcp-per-service-set-flow-table>....</pgcp-per-service-set-flow-table>
</service-pgcp-flow-table-information>

```

**Description** Conversations sorted by service set

### <service-pgcp-gate-entry-information>

#### Usage

```

<service-pgcp-gate-entry-information>
  <gate-id>
    gate-id
  </gate-id>
  <gate-state>
    gate-state
  </gate-state>
  <gate-direction>
    gate-direction
  </gate-direction>
  <gate-action>
    gate-action
  </gate-action>
  <source-routing-instance>
    source-routing-instance
  </source-routing-instance>
  <destination-routing-instance>
    destination-routing-instance
  </destination-routing-instance>
  <gate-service-set-id>
    gate-service-set-id
  </gate-service-set-id>
  <media-card-name>
    media-card-name
  </media-card-name>
  <media-handler-name>
    media-handler-name
  </media-handler-name>
  <termination-id-string>
    termination-id-string
  </termination-id-string>
  <gate-remote-source-address>
    gate-remote-source-address

```

```
</gate-remote-source-address>
<gate-remote-source-port>
  gate-remote-source-port
</gate-remote-source-port>
<gate-remote-destination-address>
  gate-remote-destination-address
</gate-remote-destination-address>
<gate-remote-destination-port>
  gate-remote-destination-port
</gate-remote-destination-port>
<gate-local-source-address>
  gate-local-source-address
</gate-local-source-address>
<gate-local-source-port>
  gate-local-source-port
</gate-local-source-port>
<gate-local-destination-address>
  gate-local-destination-address
</gate-local-destination-address>
<gate-local-destination-port>
  gate-local-destination-port
</gate-local-destination-port>
<gate-transport>
  gate-transport
</gate-transport>
<gate-rtcp-shadow>
  gate-rtcp-shadow
</gate-rtcp-shadow>
<gate-latch>
  gate-latch
</gate-latch>
<gate-dscp>
  gate-dscp
</gate-dscp>
<gate-tman-policing>
  gate-tman-policing
</gate-tman-policing>
<gate-sdr>
  gate-sdr
</gate-sdr>
<gate-pdr>
  gate-pdr
</gate-pdr>
<gate-mbs>
  gate-mbs
</gate-mbs>
<rtcp-sdr>
  rtcp-sdr
</rtcp-sdr>
<rtcp-pdr>
  rtcp-pdr
</rtcp-pdr>
<rtcp-mbs>
  rtcp-mbs
</rtcp-mbs>
<gate-fuf-policing>
```

```

    gate-fuf-policing
  </gate-fuf-policing>
  <gate-green-action>
    gate-green-action
  </gate-green-action>
  <gate-yellow-action>
    gate-yellow-action
  </gate-yellow-action>
  <gate-red-action>
    gate-red-action
  </gate-red-action>
  <gate-output-packets>
    gate-output-packets
  </gate-output-packets>
  <gate-input-packets>
    gate-input-packets
  </gate-input-packets>
  <gate-dropped-packets>
    gate-dropped-packets
  </gate-dropped-packets>
  <gate-lost-rtp-packets>
    gate-lost-rtp-packets
  </gate-lost-rtp-packets>
  <gate-fractional-lost-rtp-packets>
    gate-fractional-lost-rtp-packets
  </gate-fractional-lost-rtp-packets>
  <gate-rtcp-information>....</gate-rtcp-information>
  <gate-measured-rate>
    gate-measured-rate
  </gate-measured-rate>
  <service-rate-limit-information>....</service-rate-limit-information>
  <gate-fuf-statistics-information>....</gate-fuf-statistics-information>
  <gate-mirroring-state>
    gate-mirroring-state
  </gate-mirroring-state>
  <gate-mirroring-correlation-number>
    gate-mirroring-correlation-number
  </gate-mirroring-correlation-number>
  <gate-mirroring-target-id>
    gate-mirroring-target-id
  </gate-mirroring-target-id>
  <gate-mirroring-direction>
    gate-mirroring-direction
  </gate-mirroring-direction>
  <gate-srtp-stats-information>....</gate-srtp-stats-information>
  <gate-srtcp-stats-information>....</gate-srtcp-stats-information>
</service-pgcp-gate-entry-information>

```

## Description

<service-pgcp-gate-entry-information>

## Usage

```

<service-pgcp-gates>
  <service-pgcp-gate-entry-information>

```

```
<gate-id>
  gate-id
</gate-id>
<gate-state>
  gate-state
</gate-state>
<gate-direction>
  gate-direction
</gate-direction>
<gate-action>
  gate-action
</gate-action>
<source-routing-instance>
  source-routing-instance
</source-routing-instance>
<destination-routing-instance>
  destination-routing-instance
</destination-routing-instance>
<gate-service-set-id>
  gate-service-set-id
</gate-service-set-id>
<media-card-name>
  media-card-name
</media-card-name>
<media-handler-name>
  media-handler-name
</media-handler-name>
<termination-id-string>
  termination-id-string
</termination-id-string>
<gate-remote-source-address>
  gate-remote-source-address
</gate-remote-source-address>
<gate-remote-source-port>
  gate-remote-source-port
</gate-remote-source-port>
<gate-remote-destination-address>
  gate-remote-destination-address
</gate-remote-destination-address>
<gate-remote-destination-port>
  gate-remote-destination-port
</gate-remote-destination-port>
<gate-local-source-address>
  gate-local-source-address
</gate-local-source-address>
<gate-local-source-port>
  gate-local-source-port
</gate-local-source-port>
<gate-local-destination-address>
  gate-local-destination-address
</gate-local-destination-address>
<gate-local-destination-port>
  gate-local-destination-port
</gate-local-destination-port>
<gate-transport>
  gate-transport
```

```
</gate-transport>
<gate-rtcp-shadow>
  gate-rtcp-shadow
</gate-rtcp-shadow>
<gate-latch>
  gate-latch
</gate-latch>
<gate-dscp>
  gate-dscp
</gate-dscp>
<gate-tman-policing>
  gate-tman-policing
</gate-tman-policing>
<gate-sdr>
  gate-sdr
</gate-sdr>
<gate-pdr>
  gate-pdr
</gate-pdr>
<gate-mbs>
  gate-mbs
</gate-mbs>
<rtcp-sdr>
  rtcp-sdr
</rtcp-sdr>
<rtcp-pdr>
  rtcp-pdr
</rtcp-pdr>
<rtcp-mbs>
  rtcp-mbs
</rtcp-mbs>
<gate-fuf-policing>
  gate-fuf-policing
</gate-fuf-policing>
<gate-green-action>
  gate-green-action
</gate-green-action>
<gate-yellow-action>
  gate-yellow-action
</gate-yellow-action>
<gate-red-action>
  gate-red-action
</gate-red-action>
<gate-output-packets>
  gate-output-packets
</gate-output-packets>
<gate-input-packets>
  gate-input-packets
</gate-input-packets>
<gate-dropped-packets>
  gate-dropped-packets
</gate-dropped-packets>
<gate-lost-rtp-packets>
  gate-lost-rtp-packets
</gate-lost-rtp-packets>
<gate-fractional-lost-rtp-packets>
```

```
    gate-fractional-lost-rtp-packets
  </gate-fractional-lost-rtp-packets>
  <gate-rtcp-information>....</gate-rtcp-information>
  <gate-measured-rate>
    gate-measured-rate
  </gate-measured-rate>
  <service-rate-limit-information>....</service-rate-limit-information>
  <gate-fuf-statistics-information>....</gate-fuf-statistics-information>
  <gate-mirroring-state>
    gate-mirroring-state
  </gate-mirroring-state>
  <gate-mirroring-correlation-number>
    gate-mirroring-correlation-number
  </gate-mirroring-correlation-number>
  <gate-mirroring-target-id>
    gate-mirroring-target-id
  </gate-mirroring-target-id>
  <gate-mirroring-direction>
    gate-mirroring-direction
  </gate-mirroring-direction>
  <gate-srtp-stats-information>....</gate-srtp-stats-information>
  <gate-srtcp-stats-information>....</gate-srtcp-stats-information>
</service-pgcp-gate-entry-information>
</service-pgcp-gates>
```

#### Description

### <service-pgcp-gates>

#### Usage

```
<service-pgcp-gates>
  <gateway-entry>....</gateway-entry>
  <service-pgcp-gate-entry-information>....</service-pgcp-gate-entry-information>

  <service-pgcp-gates-count>....</service-pgcp-gates-count>
</service-pgcp-gates>
```

#### Description

### <service-pgcp-gates-count>

#### Usage

```
<service-pgcp-gates-count>
  <gate-count>
    gate-count
  </gate-count>
  <gateway-name>
    gateway-name
  </gateway-name>
</service-pgcp-gates-count>
```

**Description**    Count of gate entries per gateway



### <service-pgcp-gates-count>

#### Usage

```
<service-pgcp-gates>
  <service-pgcp-gates-count>
    <gate-count>
      gate-count
    </gate-count>
    <gateway-name>
      gateway-name
    </gateway-name>
  </service-pgcp-gates-count>
</service-pgcp-gates>
```

**Description** Count of gate entries per gateway

### <service-pgcp-gates-drain-information>

#### Usage

```
<service-pgcp-gates-drain-information>
  <gateway-collections-number>
    gateway-collections-number
  </gateway-collections-number>
</service-pgcp-gates-drain-information>
```

**Description** Gates information cleared by pgcpd

### <service-pgcp-stat-h248-per-command>

#### Usage

```
<service-pgcp-stat-h248-per-command>
  <command-name>
    command-name
  </command-name>
  <commands-total>
    commands-total
  </commands-total>
  <commands-wildcard>
    commands-wildcard
  </commands-wildcard>
  <commands-success>
    commands-success
  </commands-success>
  <commands-error>
    commands-error
  </commands-error>
</service-pgcp-stat-h248-per-command>
```

**Description**

## <service-pgcp-stat-h248-per-command>

### Usage

```
<service-pgcp-statistics-gateway>
  <service-pgcp-stat-h248-per-command>
    <command-name>
      command-name
    </command-name>
    <commands-total>
      commands-total
    </commands-total>
    <commands-wildcard>
      commands-wildcard
    </commands-wildcard>
    <commands-success>
      commands-success
    </commands-success>
    <commands-error>
      commands-error
    </commands-error>
  </service-pgcp-stat-h248-per-command>
</service-pgcp-statistics-gateway>
```

### Description

## <service-pgcp-stat-h248-per-command-header>

### Usage

```
<service-pgcp-stat-h248-per-command-header>
  <per-command-header-name>
    per-command-header-name
  </per-command-header-name>
</service-pgcp-stat-h248-per-command-header>
```

### Description

## <service-pgcp-stat-h248-per-command-header>

### Usage

```
<service-pgcp-statistics-gateway>
  <service-pgcp-stat-h248-per-command-header>
    <per-command-header-name>
      per-command-header-name
    </per-command-header-name>
  </service-pgcp-stat-h248-per-command-header>
</service-pgcp-statistics-gateway>
```

### Description

**<service-pgcp-statistics-drain-information>****Usage**

```
<service-pgcp-statistics-drain-information>
</service-pgcp-statistics-drain-information>
```

**Description** Statistics information cleared by pgcpd

**<service-pgcp-statistics-gateway>****Usage**

```
<service-pgcp-statistics-gateway>
  <pgcp-statistics-since>
    pgcp-statistics-since
  </pgcp-statistics-since>
  <gateway-entry>....</gateway-entry>
  <service-pic-entry>....</service-pic-entry>
  <services-pgcp-traffic-entry>....</services-pgcp-traffic-entry>
  <services-pgcp-dropped-traffic-entry>....</services-pgcp-dropped-traffic-entry>

  <usage-counters-entry>....</usage-counters-entry>
  <service-pgcp-statistics-h248>....</service-pgcp-statistics-h248>

  <service-pgcp-stat-h248-per-command-header>....</service-pgcp-stat-h248-per-command-header>

  <service-pgcp-stat-h248-per-command>....</service-pgcp-stat-h248-per-command>

</service-pgcp-statistics-gateway>
```

**Description****<service-pgcp-statistics-h248>****Usage**

```
<service-pgcp-statistics-h248>
  <messages-received>
    messages-received
  </messages-received>
  <octets-received>
    octets-received
  </octets-received>
  <messages-sent>
    messages-sent
  </messages-sent>
  <octets-sent>
    octets-sent
  </octets-sent>
  <protocol-errors>
    protocol-errors
  </protocol-errors>
  <transport-losses>
    transport-losses
```

```
</transport-losses>
<last-detected-event>
  last-detected-event
</last-detected-event>
<last-detected-event-time>
  last-detected-event-time
</last-detected-event-time>
<last-reset-time>
  last-reset-time
</last-reset-time>
</service-pgcp-statistics-h248>
```

### Description

## <service-pgcp-statistics-h248>

### Usage

```
<service-pgcp-statistics-gateway>
<service-pgcp-statistics-h248>
  <messages-received>
    messages-received
  </messages-received>
  <octets-received>
    octets-received
  </octets-received>
  <messages-sent>
    messages-sent
  </messages-sent>
  <octets-sent>
    octets-sent
  </octets-sent>
  <protocol-errors>
    protocol-errors
  </protocol-errors>
  <transport-losses>
    transport-losses
  </transport-losses>
  <last-detected-event>
    last-detected-event
  </last-detected-event>
  <last-detected-event-time>
    last-detected-event-time
  </last-detected-event-time>
  <last-reset-time>
    last-reset-time
  </last-reset-time>
</service-pgcp-statistics-h248>
</service-pgcp-statistics-gateway>
```

### Description

**<service-pgcp-termination-entry-information>****Usage**

```

<service-pgcp-termination-entry-information>
  <termination-id-string>
    termination-id-string
  </termination-id-string>
  <termination-state>
    termination-state
  </termination-state>
  <termination-duration>
    termination-duration
  </termination-duration>
  <termination-h248-dump>
    termination-h248-dump
  </termination-h248-dump>
</service-pgcp-termination-entry-information>

```

**Description****<service-pgcp-termination-entry-information>****Usage**

```

<service-pgcp-terminations>
  <service-pgcp-termination-entry-information>
    <termination-id-string>
      termination-id-string
    </termination-id-string>
    <termination-state>
      termination-state
    </termination-state>
    <termination-duration>
      termination-duration
    </termination-duration>
    <termination-h248-dump>
      termination-h248-dump
    </termination-h248-dump>
  </service-pgcp-termination-entry-information>
</service-pgcp-terminations>

```

**Description****<service-pgcp-termination-gates-information>****Usage**

```

<service-pgcp-termination-gates-information>
  <gate-id>
    gate-id
  </gate-id>
  <gate-direction>
    gate-direction
  </gate-direction>
  <gate-state>

```

```
    gate-state
  </gate-state>
  <gate-action>
    gate-action
  </gate-action>
</service-pgcp-termination-gates-information>
```

#### Description

### <service-pgcp-termination-gates-information>

#### Usage

```
<service-pgcp-terminations>
  <service-pgcp-termination-gates-information>
    <gate-id>
      gate-id
    </gate-id>
    <gate-direction>
      gate-direction
    </gate-direction>
    <gate-state>
      gate-state
    </gate-state>
    <gate-action>
      gate-action
    </gate-action>
  </service-pgcp-termination-gates-information>
</service-pgcp-terminations>
```

#### Description

### <service-pgcp-terminations>

#### Usage

```
<service-pgcp-terminations>
  <gateway-entry>....</gateway-entry>

  <service-pgcp-termination-entry-information>....</service-pgcp-termination-entry-information>

  <service-pgcp-termination-gates-information>....</service-pgcp-termination-gates-information>

  <service-pgcp-terminations-count>....</service-pgcp-terminations-count>
</service-pgcp-terminations>
```

#### Description

### <service-pgcp-terminations-count>

#### Usage

```
<service-pgcp-terminations-count>
  <termination-count>
    termination-count
```

```

    </termination-count>
    <gateway-name>
      gateway-name
    </gateway-name>
  </service-pgcp-terminations-count>

```

**Description** Count of termination entries per gateway

### <service-pgcp-terminations-count>

#### Usage

```

<service-pgcp-terminations>
  <service-pgcp-terminations-count>
    <termination-count>
      termination-count
    </termination-count>
    <gateway-name>
      gateway-name
    </gateway-name>
  </service-pgcp-terminations-count>
</service-pgcp-terminations>

```

**Description** Count of termination entries per gateway

### <service-pic-entry>

#### Usage

```

<pgcpd-active-configuration>
  <service-pic-entry>
    <pic-name>
      pic-name
    </pic-name>
    <pic-status>
      pic-status
    </pic-status>
    <pic-redundancy-state>
      pic-redundancy-state
    </pic-redundancy-state>
    <primary-pic>
      primary-pic
    </primary-pic>
    <secondary-pic>
      secondary-pic
    </secondary-pic>
    <pic-ha-state>
      pic-ha-state
    </pic-ha-state>
    <last-change>
      last-change
    </last-change>
  </service-pic-entry>

```

```
</pgcpd-active-configuration>
```

#### Description

### <service-pic-entry>

#### Usage

```
<pgcpd-active-configuration>
  <pgcpd-config>
    <service-pic-entry>
      <pic-name>
        pic-name
      </pic-name>
      <pic-status>
        pic-status
      </pic-status>
      <pic-redundancy-state>
        pic-redundancy-state
      </pic-redundancy-state>
      <primary-pic>
        primary-pic
      </primary-pic>
      <secondary-pic>
        secondary-pic
      </secondary-pic>
      <pic-ha-state>
        pic-ha-state
      </pic-ha-state>
      <last-change>
        last-change
      </last-change>
    </service-pic-entry>
  </pgcpd-config>
</pgcpd-active-configuration>
```

#### Description

### <service-pic-entry>

#### Usage

```
<service-pgcp-statistics-gateway>
  <service-pic-entry>
    <pic-name>
      pic-name
    </pic-name>
    <pic-status>
      pic-status
    </pic-status>
    <pic-redundancy-state>
      pic-redundancy-state
    </pic-redundancy-state>
    <primary-pic>
      primary-pic
    </primary-pic>
```



```

<secondary-pic>
  secondary-pic
</secondary-pic>
<pic-ha-state>
  pic-ha-state
</pic-ha-state>
<last-change>
  last-change
</last-change>
</service-pic-entry>
</service-pgcp-statistics-gateway>

```

#### Description

### <service-rate-limit-entry>

#### Usage

```

<service-rate-limit-information>
  <service-rate-limit-entry>
    <service-rate-limit-mark-color>
      service-rate-limit-mark-color
    </service-rate-limit-mark-color>
    <service-rate-limit-packet-count>
      service-rate-limit-packet-count
    </service-rate-limit-packet-count>
    <service-rate-limit-byte-count>
      service-rate-limit-byte-count
    </service-rate-limit-byte-count>
  </service-rate-limit-entry>
</service-rate-limit-information>

```

#### Description

### <service-rate-limit-entry>

#### Usage

```

<service-pgcp-gate-entry-information>
  <service-rate-limit-information>
    <service-rate-limit-entry>
      <service-rate-limit-mark-color>
        service-rate-limit-mark-color
      </service-rate-limit-mark-color>
      <service-rate-limit-packet-count>
        service-rate-limit-packet-count
      </service-rate-limit-packet-count>
      <service-rate-limit-byte-count>
        service-rate-limit-byte-count
      </service-rate-limit-byte-count>
    </service-rate-limit-entry>
  </service-rate-limit-information>
</service-pgcp-gate-entry-information>

```

#### Description

## <service-rate-limit-entry>

### Usage

```
<service-pgcp-gates>
  <service-pgcp-gate-entry-information>
    <service-rate-limit-information>
      <service-rate-limit-entry>
        <service-rate-limit-mark-color>
          service-rate-limit-mark-color
        </service-rate-limit-mark-color>
        <service-rate-limit-packet-count>
          service-rate-limit-packet-count
        </service-rate-limit-packet-count>
        <service-rate-limit-byte-count>
          service-rate-limit-byte-count
        </service-rate-limit-byte-count>
      </service-rate-limit-entry>
    </service-rate-limit-information>
  </service-pgcp-gate-entry-information>
</service-pgcp-gates>
```

### Description

## <service-rate-limit-information>

### Usage

```
<service-rate-limit-information>
  <service-rate-limit-entry>....</service-rate-limit-entry>
</service-rate-limit-information>
```

**Description** Rate limiting statistics

## <service-rate-limit-information>

### Usage

```
<service-pgcp-gate-entry-information>
  <service-rate-limit-information>
    <service-rate-limit-entry>....</service-rate-limit-entry>
  </service-rate-limit-information>
</service-pgcp-gate-entry-information>
```

**Description** Rate limiting statistics

## <service-rate-limit-information>

### Usage

```
<service-pgcp-gates>
  <service-pgcp-gate-entry-information>
    <service-rate-limit-information>
      <service-rate-limit-entry>....</service-rate-limit-entry>
    </service-rate-limit-information>
  </service-pgcp-gate-entry-information>
```

```

    </service-pgcp-gate-entry-information>
  </service-pgcp-gates>

```

**Description** Rate limiting statistics

### <service-set-cpu-statistics>

#### Usage

```

<service-set-cpu-statistics>
  <service-set-name>
    service-set-name
  </service-set-name>
  <interface-name>
    interface-name
  </interface-name>
  <cpu-utilization-percent>
    cpu-utilization-percent
  </cpu-utilization-percent>
</service-set-cpu-statistics>

```

**Description** CPU usage statistics

### <service-set-cpu-statistics>

#### Usage

```

<service-set-cpu-statistics-information>
  <service-set-cpu-statistics>
    <service-set-name>
      service-set-name
    </service-set-name>
    <interface-name>
      interface-name
    </interface-name>
    <cpu-utilization-percent>
      cpu-utilization-percent
    </cpu-utilization-percent>
  </service-set-cpu-statistics>
</service-set-cpu-statistics-information>

```

**Description** CPU usage statistics

### <service-set-cpu-statistics-information>

#### Usage

```

<service-set-cpu-statistics-information>
  <service-set-cpu-statistics>....</service-set-cpu-statistics>
</service-set-cpu-statistics-information>

```

**Description**

## <service-set-entry>

### Usage

```
<pgcpd-active-configuration>
  <service-set-entry>
    <service-set-name>
      service-set-name
    </service-set-name>
    <id>
      id
    </id>
    <rule-ref-entry>....</rule-ref-entry>
  </service-set-entry>
</pgcpd-active-configuration>
```

### Description

## <service-set-entry>

### Usage

```
<pgcpd-active-configuration>
  <pgcpd-config>
    <service-set-entry>
      <service-set-name>
        service-set-name
      </service-set-name>
      <id>
        id
      </id>
      <rule-ref-entry>....</rule-ref-entry>
    </service-set-entry>
  </pgcpd-config>
</pgcpd-active-configuration>
```

### Description

## <service-set-memory-statistics>

### Usage

```
<service-set-memory-statistics>
  <service-set-name>
    service-set-name
  </service-set-name>
  <interface-name>
    interface-name
  </interface-name>
  <bytes-used>
    bytes-used
  </bytes-used>
</service-set-memory-statistics>
```

### Description

Memory usage statistics

**<service-set-memory-statistics>****Usage**

```

<service-set-memory-statistics-information>
  <service-set-memory-statistics>
    <service-set-name>
      service-set-name
    </service-set-name>
    <interface-name>
      interface-name
    </interface-name>
    <bytes-used>
      bytes-used
    </bytes-used>
  </service-set-memory-statistics>
</service-set-memory-statistics-information>

```

**Description** Memory usage statistics

**<service-set-memory-statistics-information>****Usage**

```

<service-set-memory-statistics-information>
  <service-set-memory-statistics>....</service-set-memory-statistics>
</service-set-memory-statistics-information>

```

**Description**

**<service-set-packet-drop-statistics>****Usage**

```

<service-set-packet-drop-statistics>
  <service-set-packet-drops>....</service-set-packet-drops>
</service-set-packet-drop-statistics>

```

**Description**

**<service-set-packet-drops>****Usage**

```

<service-set-packet-drops>
  <service-set-name>
    service-set-name
  </service-set-name>
  <interface-name>
    interface-name
  </interface-name>
  <cpulimit-drops>
    cpulimit-drops
  </cpulimit-drops>
  <memlimit-drops>
    memlimit-drops

```

```
</memlimit-drops>
<flowlimit-drops>
  flowlimit-drops
</flowlimit-drops>
<tcpalg-drops>
  tcpalg-drops
</tcpalg-drops>
</service-set-packet-drops>
```

**Description** Packet-drop statistics

### <service-set-packet-drops>

#### Usage

```
<service-set-packet-drop-statistics>
  <service-set-packet-drops>
    <service-set-name>
      service-set-name
    </service-set-name>
    <interface-name>
      interface-name
    </interface-name>
    <cpulimit-drops>
      cpulimit-drops
    </cpulimit-drops>
    <memlimit-drops>
      memlimit-drops
    </memlimit-drops>
    <flowlimit-drops>
      flowlimit-drops
    </flowlimit-drops>
    <tcpalg-drops>
      tcpalg-drops
    </tcpalg-drops>
  </service-set-packet-drops>
</service-set-packet-drop-statistics>
```

**Description** Packet-drop statistics

### <service-set-plugin-information>

#### Usage

```
<service-set-plugin-information>
  <service-set-name>
    service-set-name
  </service-set-name>
  <service-set-state>
    service-set-state
  </service-set-state>
  <plugins-configured>
    plugins-configured
  </plugins-configured>
```

```

    <plugin-name>
      plugin-name
    </plugin-name>
    <plugin-id>
      plugin-id
    </plugin-id>
  </service-set-plugin-information>

```

**Description** Service set plugin information

### <service-set-plugin-information>

#### Usage

```

<service-set-plugin-summary>
  <service-set-plugin-information>
    <service-set-name>
      service-set-name
    </service-set-name>
    <service-set-state>
      service-set-state
    </service-set-state>
    <plugins-configured>
      plugins-configured
    </plugins-configured>
    <plugin-name>
      plugin-name
    </plugin-name>
    <plugin-id>
      plugin-id
    </plugin-id>
  </service-set-plugin-information>
</service-set-plugin-summary>

```

**Description** Service set plugin information

### <service-set-plugin-summary>

#### Usage

```

<service-set-plugin-summary>
  <interface-name>
    interface-name
  </interface-name>
  <service-set-plugin-information>....</service-set-plugin-information>
</service-set-plugin-summary>

```

**Description** Service set plugin summary

### <service-set-service-type-entry>

#### Usage

```

<service-set-service-type-entry>

```

```
<service-type>
  service-type
</service-type>
<service-sets-configured>
  service-sets-configured
</service-sets-configured>
<service-set-bytes-used>
  service-set-bytes-used
</service-set-bytes-used>
<service-set-percent-bytes-used>
  service-set-percent-bytes-used
</service-set-percent-bytes-used>
<service-set-cpu-utilization>
  service-set-cpu-utilization
</service-set-cpu-utilization>
<service-set-policy-bytes-used>
  service-set-policy-bytes-used
</service-set-policy-bytes-used>
<service-set-percent-policy-bytes-used>
  service-set-percent-policy-bytes-used
</service-set-percent-policy-bytes-used>
</service-set-service-type-entry>
```

**Description** Service set service type entry

### <service-set-service-type-entry>

#### Usage

```
<service-set-summary-information>
<service-set-summary-information-entry>
  <service-set-service-type-entry>
    <service-type>
      service-type
    </service-type>
    <service-sets-configured>
      service-sets-configured
    </service-sets-configured>
    <service-set-bytes-used>
      service-set-bytes-used
    </service-set-bytes-used>
    <service-set-percent-bytes-used>
      service-set-percent-bytes-used
    </service-set-percent-bytes-used>
    <service-set-cpu-utilization>
      service-set-cpu-utilization
    </service-set-cpu-utilization>
    <service-set-policy-bytes-used>
      service-set-policy-bytes-used
    </service-set-policy-bytes-used>
    <service-set-percent-policy-bytes-used>
      service-set-percent-policy-bytes-used
    </service-set-percent-policy-bytes-used>
  </service-set-service-type-entry>
</service-set-summary-information-entry>
```



```
</service-set-summary-information>
```

**Description** Service set service type entry

### <service-set-summary-information>

#### Usage

```
<service-set-summary-information>
<service-set-summary-information-entry>....</service-set-summary-information-entry>
</service-set-summary-information>
```

**Description** Service set summary information

### <service-set-summary-information-entry>

#### Usage

```
<service-set-summary-information>
<service-set-summary-information-entry>
  <interface-name>
    interface-name
  </interface-name>
  <service-set-service-type-entry>....</service-set-service-type-entry>
</service-set-summary-information-entry>
</service-set-summary-information>
```

**Description** Service set summary information entry

### <service-set-tcp-mss>

#### Usage

```
<service-set-tcp-mss>
  <service-set-name>
    service-set-name
  </service-set-name>
  <interface-name>
    interface-name
  </interface-name>
  <syn-received>
    syn-received
  </syn-received>
  <syn-modified>
    syn-modified
  </syn-modified>
</service-set-tcp-mss>
```

**Description** TCP MSS statistics

## <service-set-tcp-mss>

### Usage

```
<service-set-tcp-mss-statistics>
  <service-set-tcp-mss>
    <service-set-name>
      service-set-name
    </service-set-name>
    <interface-name>
      interface-name
    </interface-name>
    <syn-received>
      syn-received
    </syn-received>
    <syn-modified>
      syn-modified
    </syn-modified>
  </service-set-tcp-mss>
</service-set-tcp-mss-statistics>
```

**Description** TCP MSS statistics

## <service-set-tcp-mss-statistics>

### Usage

```
<service-set-tcp-mss-statistics>
  <service-set-tcp-mss>....</service-set-tcp-mss>
</service-set-tcp-mss-statistics>
```

**Description**

## <service-sfw-conversation-information>

### Usage

```
<service-sfw-conversation-information>
  <sfw-per-service-set-conversation>....</sfw-per-service-set-conversation>
</service-sfw-conversation-information>
```

**Description** Show conversations

## <service-sfw-flow-count>

### Usage

```
<service-sfw-flow-count-information>
  <service-sfw-flow-count>
    <interface-name>
      interface-name
    </interface-name>
    <service-set-name>
      service-set-name
    </service-set-name>
```

```

    <flow-count>
      flow-count
    </flow-count>
  </service-sfw-flow-count>
</service-sfw-flow-count-information>

```

**Description** Stateful firewall flow count

### <service-sfw-flow-count-information>

#### Usage

```

<service-sfw-flow-count-information>
  <service-sfw-flow-count>....</service-sfw-flow-count>
</service-sfw-flow-count-information>

```

**Description** Count of matching flow entries

### <service-sfw-flow-drain>

#### Usage

```

<service-sfw-flow-drain-information>
  <service-sfw-flow-drain>
    <interface-name>
      interface-name
    </interface-name>
    <service-set-name>
      service-set-name
    </service-set-name>
    <conversations-removed>
      conversations-removed
    </conversations-removed>
  </service-sfw-flow-drain>
</service-sfw-flow-drain-information>

```

**Description** Stateful firewall flow removed

### <service-sfw-flow-drain-information>

#### Usage

```

<service-sfw-flow-drain-information>
  <service-sfw-flow-drain>....</service-sfw-flow-drain>
</service-sfw-flow-drain-information>

```

**Description** Remove established flows from the flow table

### <service-sfw-flow-table>

#### Usage

```

<sfw-per-service-set-flow-table>

```

```
<service-sfw-flow-table>
  <sfw-flow-entry>....</sfw-flow-entry>
</service-sfw-flow-table>
</sfw-per-service-set-flow-table>
```

**Description** Stateful firewall flows

### <service-sfw-flow-table>

#### Usage

```
<service-sfw-flow-table-information>
  <sfw-per-service-set-flow-table>
    <service-sfw-flow-table>
      <sfw-flow-entry>....</sfw-flow-entry>
    </service-sfw-flow-table>
  </sfw-per-service-set-flow-table>
</service-sfw-flow-table-information>
```

**Description** Stateful firewall flows

### <service-sfw-flow-table>

#### Usage

```
<sfw-per-service-set-conversation>
  <sfw-conversation>
    <service-sfw-flow-table>
      <sfw-flow-entry>....</sfw-flow-entry>
    </service-sfw-flow-table>
  </sfw-conversation>
</sfw-per-service-set-conversation>
```

**Description** Stateful firewall flows

### <service-sfw-flow-table>

#### Usage

```
<service-sfw-conversation-information>
  <sfw-per-service-set-conversation>
    <sfw-conversation>
      <service-sfw-flow-table>
        <sfw-flow-entry>....</sfw-flow-entry>
      </service-sfw-flow-table>
    </sfw-conversation>
  </sfw-per-service-set-conversation>
</service-sfw-conversation-information>
```

**Description** Stateful firewall flows

**<service-sfw-flow-table-information>****Usage**

```

<service-sfw-flow-table-information>
  <sfw-per-service-set-flow-table>....</sfw-per-service-set-flow-table>
</service-sfw-flow-table-information>

```

**Description** Conversations sorted by service set

**<service-sfw-ha-statistics>****Usage**

```

<service-sfw-ha-statistics>
  <compute-tx-flows>
    compute-tx-flows
  </compute-tx-flows>
  <compute-rx-flows>
    compute-rx-flows
  </compute-rx-flows>
  <control-tx-flows>
    control-tx-flows
  </control-tx-flows>
  <control-rx-flows>
    control-rx-flows
  </control-rx-flows>
  <tcp-tx-flows>
    tcp-tx-flows
  </tcp-tx-flows>
  <tcp-rx-flows>
    tcp-rx-flows
  </tcp-rx-flows>
  <udp-tx-flows>
    udp-tx-flows
  </udp-tx-flows>
  <udp-rx-flows>
    udp-rx-flows
  </udp-rx-flows>
  <compute-tx-pkts>
    compute-tx-pkts
  </compute-tx-pkts>
  <compute-rx-pkts>
    compute-rx-pkts
  </compute-rx-pkts>
  <control-tx-pkts>
    control-tx-pkts
  </control-tx-pkts>
  <control-rx-pkts>
    control-rx-pkts
  </control-rx-pkts>
  <tcp-tx-pkts>
    tcp-tx-pkts
  </tcp-tx-pkts>
  <tcp-rx-pkts>
    tcp-rx-pkts
  </tcp-rx-pkts>

```

```
    tcp-rx-pkts
  </tcp-rx-pkts>
  <udp-tx-pkts>
    udp-tx-pkts
  </udp-tx-pkts>
  <udp-rx-pkts>
    udp-rx-pkts
  </udp-rx-pkts>
  <compute-tx-bytes>
    compute-tx-bytes
  </compute-tx-bytes>
  <compute-rx-bytes>
    compute-rx-bytes
  </compute-rx-bytes>
  <control-tx-bytes>
    control-tx-bytes
  </control-tx-bytes>
  <control-rx-bytes>
    control-rx-bytes
  </control-rx-bytes>
  <tcp-tx-bytes>
    tcp-tx-bytes
  </tcp-tx-bytes>
  <tcp-rx-bytes>
    tcp-rx-bytes
  </tcp-rx-bytes>
  <udp-tx-bytes>
    udp-tx-bytes
  </udp-tx-bytes>
  <udp-rx-bytes>
    udp-rx-bytes
  </udp-rx-bytes>
  <tx-errors>
    tx-errors
  </tx-errors>
  <rx-errors>
    rx-errors
  </rx-errors>
  <num-of-nacks>
    num-of-nacks
  </num-of-nacks>
  <extended-num-of-dirty-flows>
    extended-num-of-dirty-flows
  </extended-num-of-dirty-flows>
  <brief-num-of-dirty-flows>
    brief-num-of-dirty-flows
  </brief-num-of-dirty-flows>
  <num-replicated-flows>
    num-replicated-flows
  </num-replicated-flows>
</service-sfw-ha-statistics>
```

**Description** Stateful firewall high availability statistics information

**<service-sfw-sip-call-count>****Usage**

```

<service-sfw-sip-call-count-information>
  <service-sfw-sip-call-count>
    <interface-name>
      interface-name
    </interface-name>
    <service-set-name>
      service-set-name
    </service-set-name>
    <sip-call-count>
      sip-call-count
    </sip-call-count>
  </service-sfw-sip-call-count>
</service-sfw-sip-call-count-information>

```

**Description** SIP call count

**<service-sfw-sip-call-count-information>****Usage**

```

<service-sfw-sip-call-count-information>
  <service-sfw-sip-call-count>....</service-sfw-sip-call-count>
</service-sfw-sip-call-count-information>

```

**Description** Display a count of the matching SIP calls

**<service-sfw-sip-call-drain>****Usage**

```

<service-sfw-sip-call-drain-information>
  <service-sfw-sip-call-drain>
    <interface-name>
      interface-name
    </interface-name>
    <service-set-name>
      service-set-name
    </service-set-name>
    <sip-calls-removed>
      sip-calls-removed
    </sip-calls-removed>
  </service-sfw-sip-call-drain>
</service-sfw-sip-call-drain-information>

```

**Description** SIP calls removed

### <service-sfw-sip-call-drain-information>

**Usage**

```
<service-sfw-sip-call-drain-information>
  <service-sfw-sip-call-drain>....</service-sfw-sip-call-drain>
</service-sfw-sip-call-drain-information>
```

**Description** Remove established SIP calls from the flow table

### <service-sfw-sip-call-information>

**Usage**

```
<service-sfw-sip-call-information>
  <sfw-per-service-set-sip-calls>....</sfw-per-service-set-sip-calls>
</service-sfw-sip-call-information>
```

**Description** SIP call information

### <service-sfw-sip-registration-count>

**Usage**

```
<service-sfw-sip-registration-count-information>
  <service-sfw-sip-registration-count>
    <interface-name>
      interface-name
    </interface-name>
    <service-set-name>
      service-set-name
    </service-set-name>
    <sip-registration-count>
      sip-registration-count
    </sip-registration-count>
  </service-sfw-sip-registration-count>
</service-sfw-sip-registration-count-information>
```

**Description** SIP registration count

### <service-sfw-sip-registration-count-information>

**Usage**

```
<service-sfw-sip-registration-count-information>
  <service-sfw-sip-registration-count>....</service-sfw-sip-registration-count>
</service-sfw-sip-registration-count-information>
```

**Description** Display a count of the matching SIP registrations



### <service-sfw-sip-registration-drain>

**Usage**

```

<service-sfw-sip-registration-drain-information>
  <service-sfw-sip-registration-drain>
    <interface-name>
      interface-name
    </interface-name>
    <service-set-name>
      service-set-name
    </service-set-name>
    <sip-registration-removed>
      sip-registration-removed
    </sip-registration-removed>
  </service-sfw-sip-registration-drain>
</service-sfw-sip-registration-drain-information>

```

**Description** SIP registration removed

### <service-sfw-sip-registration-drain-information>

**Usage**

```

<service-sfw-sip-registration-drain-information>
  <service-sfw-sip-registration-drain>....</service-sfw-sip-registration-drain>
</service-sfw-sip-registration-drain-information>

```

**Description** Remove established SIP registrations from the flow table

### <service-sfw-sip-registration-information>

**Usage**

```

<service-sfw-sip-registration-information>
  <sfw-per-service-set-sip-registrations>....</sfw-per-service-set-sip-registrations>

</service-sfw-sip-registration-information>

```

**Description** SIP registration information

### <service-sfw-statistics-entry>

**Usage**

```

<service-sfw-statistics-information>
  <service-sfw-statistics-entry>
    <interface-name>
      interface-name
    </interface-name>
    <sfw-stats-service-set-entry>....</sfw-stats-service-set-entry>
  </service-sfw-statistics-entry>
</service-sfw-statistics-information>

```

**Description** Stateful firewall statistics entry

### <service-sfw-statistics-information>

**Usage**

```
<service-sfw-statistics-information>
  <service-sfw-statistics-entry>....</service-sfw-statistics-entry>
</service-sfw-statistics-information>
```

**Description** Stateful firewall statistics information

### <service-softwire-6rd-statistics-entry>

**Usage**

```
<service-softwire-6rd-statistics-entry>
  <srv-pic-name>
    srv-pic-name
  </srv-pic-name>
  <softwire-created>
    softwire-created
  </softwire-created>
  <softwire-deleted>
    softwire-deleted
  </softwire-deleted>
  <flows-created>
    flows-created
  </flows-created>
  <flows-deleted>
    flows-deleted
  </flows-deleted>
  <slow-path>
    slow-path
  </slow-path>
  <fast-path>
    fast-path
  </fast-path>
  <fast-path-encap>
    fast-path-encap
  </fast-path-encap>
  <rule-match-succeeded>
    rule-match-succeeded
  </rule-match-succeeded>
  <rule-match-failed>
    rule-match-failed
  </rule-match-failed>
  <flow-creation-failed-retry>
    flow-creation-failed-retry
  </flow-creation-failed-retry>
  <slow-path-failed-retry>
    slow-path-failed-retry
  </slow-path-failed-retry>
  <softwire-creation-failed>
    softwire-creation-failed
```

```

</software-creation-failed>
<flow-creation-failed>
  flow-creation-failed
</flow-creation-failed>
<slow-path-failed>
  slow-path-failed
</slow-path-failed>
<packet-not-ipv6-in-ipv4>
  packet-not-ipv6-in-ipv4
</packet-not-ipv6-in-ipv4>
<slow-path-ipv6-next-header-offset>
  slow-path-ipv6-next-header-offset
</slow-path-ipv6-next-header-offset>
<decap-packet-not-ipv6>
  decap-packet-not-ipv6
</decap-packet-not-ipv6>
<no-space-for-outer-header>
  no-space-for-outer-header
</no-space-for-outer-header>
<no-software-id>
  no-software-id
</no-software-id>
<no-flow-extension>
  no-flow-extension
</no-flow-extension>
<icmpv4-dropped-packets>
  icmpv4-dropped-packets
</icmpv4-dropped-packets>
</service-software-6rd-statistics-entry>

```

**Description** 6rd Statistics

### <service-software-6rd-statistics-entry>

#### Usage

```

<service-software-statistics-information>
  <service-software-6rd-statistics-entry>
    <srv-pic-name>
      srv-pic-name
    </srv-pic-name>
    <software-created>
      software-created
    </software-created>
    <software-deleted>
      software-deleted
    </software-deleted>
    <flows-created>
      flows-created
    </flows-created>
    <flows-deleted>
      flows-deleted
    </flows-deleted>
    <slow-path>
      slow-path

```

```
</slow-path>
<fast-path>
  fast-path
</fast-path>
<fast-path-encap>
  fast-path-encap
</fast-path-encap>
<rule-match-succeeded>
  rule-match-succeeded
</rule-match-succeeded>
<rule-match-failed>
  rule-match-failed
</rule-match-failed>
<flow-creation-failed-retry>
  flow-creation-failed-retry
</flow-creation-failed-retry>
<slow-path-failed-retry>
  slow-path-failed-retry
</slow-path-failed-retry>
<software-creation-failed>
  software-creation-failed
</software-creation-failed>
<flow-creation-failed>
  flow-creation-failed
</flow-creation-failed>
<slow-path-failed>
  slow-path-failed
</slow-path-failed>
<packet-not-ipv6-in-ipv4>
  packet-not-ipv6-in-ipv4
</packet-not-ipv6-in-ipv4>
<slow-path-ipv6-next-header-offset>
  slow-path-ipv6-next-header-offset
</slow-path-ipv6-next-header-offset>
<decap-packet-not-ipv6>
  decap-packet-not-ipv6
</decap-packet-not-ipv6>
<no-space-for-outer-header>
  no-space-for-outer-header
</no-space-for-outer-header>
<no-software-id>
  no-software-id
</no-software-id>
<no-flow-extension>
  no-flow-extension
</no-flow-extension>
<icmpv4-dropped-packets>
  icmpv4-dropped-packets
</icmpv4-dropped-packets>
</service-software-6rd-statistics-entry>
</service-software-statistics-information>
```

**Description** 6rd Statistics

## &lt;service-softwire-6rd-statistics-entry&gt;

## Usage

```

<service-softwire-6rd-statistics-information>
  <service-softwire-6rd-statistics-entry>
    <srv-pic-name>
      srv-pic-name
    </srv-pic-name>
    <softwire-created>
      softwire-created
    </softwire-created>
    <softwire-deleted>
      softwire-deleted
    </softwire-deleted>
    <flows-created>
      flows-created
    </flows-created>
    <flows-deleted>
      flows-deleted
    </flows-deleted>
    <slow-path>
      slow-path
    </slow-path>
    <fast-path>
      fast-path
    </fast-path>
    <fast-path-encap>
      fast-path-encap
    </fast-path-encap>
    <rule-match-succeeded>
      rule-match-succeeded
    </rule-match-succeeded>
    <rule-match-failed>
      rule-match-failed
    </rule-match-failed>
    <flow-creation-failed-retry>
      flow-creation-failed-retry
    </flow-creation-failed-retry>
    <slow-path-failed-retry>
      slow-path-failed-retry
    </slow-path-failed-retry>
    <softwire-creation-failed>
      softwire-creation-failed
    </softwire-creation-failed>
    <flow-creation-failed>
      flow-creation-failed
    </flow-creation-failed>
    <slow-path-failed>
      slow-path-failed
    </slow-path-failed>
    <packet-not-ipv6-in-ipv4>
      packet-not-ipv6-in-ipv4
    </packet-not-ipv6-in-ipv4>
    <slow-path-ipv6-next-header-offset>
      slow-path-ipv6-next-header-offset

```

```
</slow-path-ipv6-next-header-offset>
<decap-packet-not-ipv6>
  decap-packet-not-ipv6
</decap-packet-not-ipv6>
<no-space-for-outer-header>
  no-space-for-outer-header
</no-space-for-outer-header>
<no-software-id>
  no-software-id
</no-software-id>
<no-flow-extension>
  no-flow-extension
</no-flow-extension>
<icmpv4-dropped-packets>
  icmpv4-dropped-packets
</icmpv4-dropped-packets>
</service-software-6rd-statistics-entry>
</service-software-6rd-statistics-information>
```

**Description** 6rd Statistics

### <service-software-6rd-statistics-information>

#### Usage

```
<service-software-6rd-statistics-information>
  <flow-analysis-statistics-pic-info>....</flow-analysis-statistics-pic-info>
  <service-software-6rd-statistics-entry>....</service-software-6rd-statistics-entry>

</service-software-6rd-statistics-information>
```

**Description** Software 6rd statistics information

### <service-software-count>

#### Usage

```
<service-software-count-information>
  <service-software-count>
    <interface-name>
      interface-name
    </interface-name>
    <service-set-name>
      service-set-name
    </service-set-name>
    <software-count>
      software-count
    </software-count>
  </service-software-count>
</service-software-count-information>
```

**Description** Software count

**<service-softwire-count-information>****Usage**

```

<service-softwire-count-information>
  <service-softwire-count>....</service-softwire-count>
</service-softwire-count-information>

```

**Description** Count of matching softwire entries

**<service-softwire-dslite-statistics-entry>****Usage**

```

<service-softwire-dslite-statistics-entry>
  <srv-pic-name>
    srv-pic-name
  </srv-pic-name>
  <softwire-created>
    softwire-created
  </softwire-created>
  <softwire-deleted>
    softwire-deleted
  </softwire-deleted>
  <flows-created>
    flows-created
  </flows-created>
  <flows-deleted>
    flows-deleted
  </flows-deleted>
  <slow-path>
    slow-path
  </slow-path>
  <fast-path>
    fast-path
  </fast-path>
  <fast-path-encap>
    fast-path-encap
  </fast-path-encap>
  <rule-match-succeeded>
    rule-match-succeeded
  </rule-match-succeeded>
  <rule-match-failed>
    rule-match-failed
  </rule-match-failed>
  <ipv6-packets-fragmented>
    ipv6-packets-fragmented
  </ipv6-packets-fragmented>
  <flow-creation-failed-retry>
    flow-creation-failed-retry
  </flow-creation-failed-retry>
  <slow-path-failed-retry>
    slow-path-failed-retry
  </slow-path-failed-retry>
  <softwire-creation-failed>

```

```
    software-creation-failed
  </software-creation-failed>
  <flow-creation-failed>
    flow-creation-failed
  </flow-creation-failed>
  <slow-path-failed>
    slow-path-failed
  </slow-path-failed>
  <packet-not-ipv4-in-ipv6>
    packet-not-ipv4-in-ipv6
  </packet-not-ipv4-in-ipv6>
  <ipv6-fragmentation-error>
    ipv6-fragmentation-error
  </ipv6-fragmentation-error>
  <slow-path-ipv6-next-header-offset>
    slow-path-ipv6-next-header-offset
  </slow-path-ipv6-next-header-offset>
  <decap-packet-not-ipv4>
    decap-packet-not-ipv4
  </decap-packet-not-ipv4>
  <fast-path-ipv6-next-header-offset>
    fast-path-ipv6-next-header-offset
  </fast-path-ipv6-next-header-offset>
  <no-software-id>
    no-software-id
  </no-software-id>
  <no-flow-extension>
    no-flow-extension
  </no-flow-extension>
  <flow-limit-exceeded>
    flow-limit-exceeded
  </flow-limit-exceeded>
</service-software-dslite-statistics-entry>
```

**Description** DS-Lite Statistics

### <service-software-dslite-statistics-entry>

#### Usage

```
<service-software-statistics-information>
  <service-software-dslite-statistics-entry>
    <srv-pic-name>
      srv-pic-name
    </srv-pic-name>
    <software-created>
      software-created
    </software-created>
    <software-deleted>
      software-deleted
    </software-deleted>
    <flows-created>
      flows-created
    </flows-created>
    <flows-deleted>
```



```
    flows-deleted
  </flows-deleted>
  <slow-path>
    slow-path
  </slow-path>
  <fast-path>
    fast-path
  </fast-path>
  <fast-path-encap>
    fast-path-encap
  </fast-path-encap>
  <rule-match-succeeded>
    rule-match-succeeded
  </rule-match-succeeded>
  <rule-match-failed>
    rule-match-failed
  </rule-match-failed>
  <ipv6-packets-fragmented>
    ipv6-packets-fragmented
  </ipv6-packets-fragmented>
  <flow-creation-failed-retry>
    flow-creation-failed-retry
  </flow-creation-failed-retry>
  <slow-path-failed-retry>
    slow-path-failed-retry
  </slow-path-failed-retry>
  <software-creation-failed>
    software-creation-failed
  </software-creation-failed>
  <flow-creation-failed>
    flow-creation-failed
  </flow-creation-failed>
  <slow-path-failed>
    slow-path-failed
  </slow-path-failed>
  <packet-not-ipv4-in-ipv6>
    packet-not-ipv4-in-ipv6
  </packet-not-ipv4-in-ipv6>
  <ipv6-fragmentation-error>
    ipv6-fragmentation-error
  </ipv6-fragmentation-error>
  <slow-path-ipv6-next-header-offset>
    slow-path-ipv6-next-header-offset
  </slow-path-ipv6-next-header-offset>
  <decap-packet-not-ipv4>
    decap-packet-not-ipv4
  </decap-packet-not-ipv4>
  <fast-path-ipv6-next-header-offset>
    fast-path-ipv6-next-header-offset
  </fast-path-ipv6-next-header-offset>
  <no-software-id>
    no-software-id
  </no-software-id>
  <no-flow-extension>
    no-flow-extension
  </no-flow-extension>
```

```

    <flow-limit-exceeded>
      flow-limit-exceeded
    </flow-limit-exceeded>
  </service-softwire-dslite-statistics-entry>
</service-softwire-statistics-information>

```

**Description** DS-Lite Statistics

## <service-softwire-dslite-statistics-entry>

### Usage

```

<service-softwire-dslite-statistics-information>
  <service-softwire-dslite-statistics-entry>
    <srv-pic-name>
      srv-pic-name
    </srv-pic-name>
    <software-created>
      software-created
    </software-created>
    <software-deleted>
      software-deleted
    </software-deleted>
    <flows-created>
      flows-created
    </flows-created>
    <flows-deleted>
      flows-deleted
    </flows-deleted>
    <slow-path>
      slow-path
    </slow-path>
    <fast-path>
      fast-path
    </fast-path>
    <fast-path-encap>
      fast-path-encap
    </fast-path-encap>
    <rule-match-succeeded>
      rule-match-succeeded
    </rule-match-succeeded>
    <rule-match-failed>
      rule-match-failed
    </rule-match-failed>
    <ipv6-packets-fragmented>
      ipv6-packets-fragmented
    </ipv6-packets-fragmented>
    <flow-creation-failed-retry>
      flow-creation-failed-retry
    </flow-creation-failed-retry>
    <slow-path-failed-retry>
      slow-path-failed-retry
    </slow-path-failed-retry>
    <software-creation-failed>
      software-creation-failed

```

```

</software-creation-failed>
<flow-creation-failed>
  flow-creation-failed
</flow-creation-failed>
<slow-path-failed>
  slow-path-failed
</slow-path-failed>
<packet-not-ipv4-in-ipv6>
  packet-not-ipv4-in-ipv6
</packet-not-ipv4-in-ipv6>
<ipv6-fragmentation-error>
  ipv6-fragmentation-error
</ipv6-fragmentation-error>
<slow-path-ipv6-next-header-offset>
  slow-path-ipv6-next-header-offset
</slow-path-ipv6-next-header-offset>
<decap-packet-not-ipv4>
  decap-packet-not-ipv4
</decap-packet-not-ipv4>
<fast-path-ipv6-next-header-offset>
  fast-path-ipv6-next-header-offset
</fast-path-ipv6-next-header-offset>
<no-software-id>
  no-software-id
</no-software-id>
<no-flow-extension>
  no-flow-extension
</no-flow-extension>
<flow-limit-exceeded>
  flow-limit-exceeded
</flow-limit-exceeded>
</service-software-dslite-statistics-entry>
</service-software-dslite-statistics-information>

```

**Description** DS-Lite Statistics

### <service-software-dslite-statistics-information>

#### Usage

```

<service-software-dslite-statistics-information>
  <flow-analysis-statistics-pic-info>....</flow-analysis-statistics-pic-info>

  <service-software-dslite-statistics-entry>....</service-software-dslite-statistics-entry>
</service-software-dslite-statistics-information>

```

**Description** Software dslite statistics information

### <service-software-flow-table-information>

#### Usage

```

<service-software-flow-table-information>
  <software-per-service-set-flow-table>....</software-per-service-set-flow-table>

```

</service-softwire-flow-table-information>

**Description** Conversations sorted by service set

### <service-softwire-statistics-information>

#### Usage

```
<service-softwire-statistics-information>
  <service-softwire-dslite-statistics-entry>....</service-softwire-dslite-statistics-entry>
  <service-softwire-6rd-statistics-entry>....</service-softwire-6rd-statistics-entry>
</service-softwire-statistics-information>
```

**Description** Softwire statistics information

### <service-softwire-table>

#### Usage

```
<software-per-service-set-flow-table>
  <service-softwire-table>
    <software-entry>....</software-entry>
    <sfw-flow-entry>....</sfw-flow-entry>
  </service-softwire-table>
</software-per-service-set-flow-table>
```

**Description** Softwire flows

### <service-softwire-table>

#### Usage

```
<service-softwire-table-information>
  <software-per-service-set-flow-table>
    <service-softwire-table>
      <software-entry>....</software-entry>
      <sfw-flow-entry>....</sfw-flow-entry>
    </service-softwire-table>
  </software-per-service-set-flow-table>
</service-softwire-table-information>
```

**Description** Softwire flows

### <service-softwire-table>

#### Usage

```
<service-softwire-flow-table-information>
  <software-per-service-set-flow-table>
    <service-softwire-table>
      <software-entry>....</software-entry>
```

```
<sfw-flow-entry>....</sfw-flow-entry>
</service-softwire-table>
</software-per-service-set-flow-table>
</service-softwire-flow-table-information>
```

**Description**    Softwire flows

### <service-softwire-table-information>

**Usage**

```
<service-softwire-table-information>
<software-per-service-set-flow-table>....</software-per-service-set-flow-table>
</service-softwire-table-information>
```

**Description**    Conversations sorted by service set

### <services-l2tp-multilink-information>

**Usage**

```
<services-l2tp-multilink-information>
<l2tp-multilink-entry>....</l2tp-multilink-entry>
</services-l2tp-multilink-information>
```

**Description**    L2TP multilink information

### <services-l2tp-radius-accounting-servers-information>

**Usage**

```
<services-l2tp-radius-accounting-servers-information>

<radius-accounting-server-information-entry>....</radius-accounting-server-information-entry>

</services-l2tp-radius-accounting-servers-information>
```

**Description**    RADIUS accounting servers information table

### <services-l2tp-radius-accounting-statistics-information>

**Usage**

```
<services-l2tp-radius-accounting-statistics-information>

<radius-accounting-statistic-information-entry>....</radius-accounting-statistic-information-entry>

</services-l2tp-radius-accounting-statistics-information>
```

**Description**    RADIUS accounting statistics information table

### <services-l2tp-radius-authentication-accounting-servers-information>

**Usage**

```
<services-l2tp-radius-authentication-accounting-servers-information>
  <radius-authentication-server-information-entry>....</radius-authentication-server-information-entry>
  <radius-accounting-server-information-entry>....</radius-accounting-server-information-entry>
</services-l2tp-radius-authentication-accounting-servers-information>
```

**Description** RADIUS authentication and accounting servers information

### <services-l2tp-radius-authentication-accounting-statistics-information>

**Usage**

```
<services-l2tp-radius-authentication-accounting-statistics-information>
  <radius-authentication-statistic-information-entry>....</radius-authentication-statistic-information-entry>
  <radius-accounting-statistic-information-entry>....</radius-accounting-statistic-information-entry>
</services-l2tp-radius-authentication-accounting-statistics-information>
```

**Description** RADIUS authentication and accounting statistics information

### <services-l2tp-radius-authentication-servers-information>

**Usage**

```
<services-l2tp-radius-authentication-servers-information>
  <radius-authentication-server-information-entry>....</radius-authentication-server-information-entry>
</services-l2tp-radius-authentication-servers-information>
```

**Description** RADIUS authentication servers information

### <services-l2tp-radius-authentication-statistics-information>

**Usage**

```
<services-l2tp-radius-authentication-statistics-information>
  <radius-authentication-statistic-information-entry>....</radius-authentication-statistic-information-entry>
</services-l2tp-radius-authentication-statistics-information>
```

**Description** RADIUS authentication statistics information

**<services-l2tp-radius-servers-information-table-header>****Usage**

```

<services-l2tp-radius-servers-information-table-header>
  <radius-server-information-table-header>
    radius-server-information-table-header
  </radius-server-information-table-header>
  <radius-server-profile-name>
    radius-server-profile-name
  </radius-server-profile-name>
</services-l2tp-radius-servers-information-table-header>

```

**Description** RADIUS authentication servers information

**<services-pgcp-dropped-traffic-entry>****Usage**

```

<services-pgcp-dropped-traffic-entry>
  <drop-packets-flow-drop-state>
    drop-packets-flow-drop-state
  </drop-packets-flow-drop-state>
  <drop-bytes-flow-drop-state>
    drop-bytes-flow-drop-state
  </drop-bytes-flow-drop-state>
  <drop-packets-flow-rate-limit>
    drop-packets-flow-rate-limit
  </drop-packets-flow-rate-limit>
  <drop-bytes-flow-rate-limit>
    drop-bytes-flow-rate-limit
  </drop-bytes-flow-rate-limit>
  <drop-packets-algs>
    drop-packets-algs
  </drop-packets-algs>
  <drop-bytes-algs>
    drop-bytes-algs
  </drop-bytes-algs>
  <drop-packets-other>
    drop-packets-other
  </drop-packets-other>
  <drop-bytes-other>
    drop-bytes-other
  </drop-bytes-other>
</services-pgcp-dropped-traffic-entry>

```

**Description****<services-pgcp-dropped-traffic-entry>****Usage**

```

<service-pgcp-statistics-gateway>
  <services-pgcp-dropped-traffic-entry>
    <drop-packets-flow-drop-state>
      drop-packets-flow-drop-state

```

```
</drop-packets-flow-drop-state>
<drop-bytes-flow-drop-state>
  drop-bytes-flow-drop-state
</drop-bytes-flow-drop-state>
<drop-packets-flow-rate-limit>
  drop-packets-flow-rate-limit
</drop-packets-flow-rate-limit>
<drop-bytes-flow-rate-limit>
  drop-bytes-flow-rate-limit
</drop-bytes-flow-rate-limit>
<drop-packets-algs>
  drop-packets-algs
</drop-packets-algs>
<drop-bytes-algs>
  drop-bytes-algs
</drop-bytes-algs>
<drop-packets-other>
  drop-packets-other
</drop-packets-other>
<drop-bytes-other>
  drop-bytes-other
</drop-bytes-other>
</services-pgcp-dropped-traffic-entry>
</service-pgcp-statistics-gateway>
```

#### Description

### <services-pgcp-traffic-entry>

#### Usage

```
<services-pgcp-traffic-entry>
  <traffic-packets-recv>
    traffic-packets-recv
  </traffic-packets-recv>
  <traffic-packets-sent>
    traffic-packets-sent
  </traffic-packets-sent>
  <traffic-bytes-recv>
    traffic-bytes-recv
  </traffic-bytes-recv>
  <traffic-bytes-sent>
    traffic-bytes-sent
  </traffic-bytes-sent>
</services-pgcp-traffic-entry>
```

#### Description

### <services-pgcp-traffic-entry>

#### Usage

```
<service-pgcp-statistics-gateway>
  <services-pgcp-traffic-entry>
    <traffic-packets-recv>
      traffic-packets-recv
```



```

</traffic-packets-recv>
<traffic-packets-sent>
  traffic-packets-sent
</traffic-packets-sent>
<traffic-bytes-recv>
  traffic-bytes-recv
</traffic-bytes-recv>
<traffic-bytes-sent>
  traffic-bytes-sent
</traffic-bytes-sent>
</services-pgcp-traffic-entry>
</service-pgcp-statistics-gateway>

```

#### Description

### <services-pgcpd-root-termination>

#### Usage

```

<services-pgcpd-root-termination>
<root-termination-information>
  root-termination-information
</root-termination-information>
</services-pgcpd-root-termination>

```

#### Description

### <sfw-conversation>

#### Usage

```

<sfw-per-service-set-conversation>
<sfw-conversation>
  <sfw-flow-table-conv-alg>
    sfw-flow-table-conv-alg
  </sfw-flow-table-conv-alg>
  <sfw-flow-table-conv-initiator>
    sfw-flow-table-conv-initiator
  </sfw-flow-table-conv-initiator>
  <sfw-flow-table-conv-responder>
    sfw-flow-table-conv-responder
  </sfw-flow-table-conv-responder>
  <service-sfw-flow-table>....</service-sfw-flow-table>
</sfw-conversation>
</sfw-per-service-set-conversation>

```

**Description** Stateful firewall conversations

### <sfw-conversation>

#### Usage

```

<service-sfw-conversation-information>
<sfw-per-service-set-conversation>
  <sfw-conversation>

```

```
<sfw-flow-table-conv-alg>
  sfw-flow-table-conv-alg
</sfw-flow-table-conv-alg>
<sfw-flow-table-conv-initiator>
  sfw-flow-table-conv-initiator
</sfw-flow-table-conv-initiator>
<sfw-flow-table-conv-responder>
  sfw-flow-table-conv-responder
</sfw-flow-table-conv-responder>
<service-sfw-flow-table>....</service-sfw-flow-table>
</sfw-conversation>
</sfw-per-service-set-conversation>
</service-sfw-conversation-information>
```

**Description**    Stateful firewall conversations

### <sfw-flow-entry>

#### Usage

```
<sfw-flow-entry>
  <sfw-flow-protocol>
    sfw-flow-protocol
  </sfw-flow-protocol>
  <sfw-flow-source-ip>
    sfw-flow-source-ip
  </sfw-flow-source-ip>
  <sfw-flow-source-port>
    sfw-flow-source-port
  </sfw-flow-source-port>
  <sfw-flow-destination-ip>
    sfw-flow-destination-ip
  </sfw-flow-destination-ip>
  <sfw-flow-destination-port>
    sfw-flow-destination-port
  </sfw-flow-destination-port>
  <sfw-flow-state>
    sfw-flow-state
  </sfw-flow-state>
  <sfw-flow-direction>
    sfw-flow-direction
  </sfw-flow-direction>
  <sfw-flow-frame-counter>
    sfw-flow-frame-counter
  </sfw-flow-frame-counter>
  <sfw-flow-gate-id>
    sfw-flow-gate-id
  </sfw-flow-gate-id>
  <sfw-flow-nat>....</sfw-flow-nat>
  <sfw-flow-table-byte-count>
    sfw-flow-table-byte-count
  </sfw-flow-table-byte-count>
  <sfw-flow-table-tcp-window-size>
    sfw-flow-table-tcp-window-size
  </sfw-flow-table-tcp-window-size>
```

```

<sfw-flow-table-tcp-acknowledge>
  sfw-flow-table-tcp-acknowledge
</sfw-flow-table-tcp-acknowledge>
<sfw-flow-table-tcp-tickle>
  sfw-flow-table-tcp-tickle
</sfw-flow-table-tcp-tickle>
<sfw-flow-table-role>
  sfw-flow-table-role
</sfw-flow-table-role>
<sfw-flow-table-timeout>
  sfw-flow-table-timeout
</sfw-flow-table-timeout>
<sfw-flow-table-protocol-detail>
  sfw-flow-table-protocol-detail
</sfw-flow-table-protocol-detail>
<sw-flow-nat-entry>....</sw-flow-nat-entry>
</sfw-flow-entry>

```

**Description** Flow brief information

## <sfw-flow-entry>

### Usage

```

<sfw-per-service-set-flow-table>
  <service-sfw-flow-table>
    <sfw-flow-entry>
      <sfw-flow-protocol>
        sfw-flow-protocol
      </sfw-flow-protocol>
      <sfw-flow-source-ip>
        sfw-flow-source-ip
      </sfw-flow-source-ip>
      <sfw-flow-source-port>
        sfw-flow-source-port
      </sfw-flow-source-port>
      <sfw-flow-destination-ip>
        sfw-flow-destination-ip
      </sfw-flow-destination-ip>
      <sfw-flow-destination-port>
        sfw-flow-destination-port
      </sfw-flow-destination-port>
      <sfw-flow-state>
        sfw-flow-state
      </sfw-flow-state>
      <sfw-flow-direction>
        sfw-flow-direction
      </sfw-flow-direction>
      <sfw-flow-frame-counter>
        sfw-flow-frame-counter
      </sfw-flow-frame-counter>
      <sfw-flow-gate-id>
        sfw-flow-gate-id
      </sfw-flow-gate-id>
      <sfw-flow-nat>....</sfw-flow-nat>
    </sfw-flow-entry>
  </service-sfw-flow-table>
</sfw-per-service-set-flow-table>

```

```
<sfw-flow-table-byte-count>
  sfw-flow-table-byte-count
</sfw-flow-table-byte-count>
<sfw-flow-table-tcp-window-size>
  sfw-flow-table-tcp-window-size
</sfw-flow-table-tcp-window-size>
<sfw-flow-table-tcp-acknowledge>
  sfw-flow-table-tcp-acknowledge
</sfw-flow-table-tcp-acknowledge>
<sfw-flow-table-tcp-tickle>
  sfw-flow-table-tcp-tickle
</sfw-flow-table-tcp-tickle>
<sfw-flow-table-role>
  sfw-flow-table-role
</sfw-flow-table-role>
<sfw-flow-table-timeout>
  sfw-flow-table-timeout
</sfw-flow-table-timeout>
<sfw-flow-table-protocol-detail>
  sfw-flow-table-protocol-detail
</sfw-flow-table-protocol-detail>
<sw-flow-nat-entry>....</sw-flow-nat-entry>
</sfw-flow-entry>
</service-sfw-flow-table>
</sfw-per-service-set-flow-table>
```

**Description**    Flow brief information

## <sfw-flow-entry>

### Usage

```
<service-sfw-flow-table-information>
<sfw-per-service-set-flow-table>
<service-sfw-flow-table>
  <sfw-flow-entry>
    <sfw-flow-protocol>
      sfw-flow-protocol
    </sfw-flow-protocol>
    <sfw-flow-source-ip>
      sfw-flow-source-ip
    </sfw-flow-source-ip>
    <sfw-flow-source-port>
      sfw-flow-source-port
    </sfw-flow-source-port>
    <sfw-flow-destination-ip>
      sfw-flow-destination-ip
    </sfw-flow-destination-ip>
    <sfw-flow-destination-port>
      sfw-flow-destination-port
    </sfw-flow-destination-port>
    <sfw-flow-state>
      sfw-flow-state
    </sfw-flow-state>
    <sfw-flow-direction>
```

```

    sfw-flow-direction
  </sfw-flow-direction>
  <sfw-flow-frame-counter>
    sfw-flow-frame-counter
  </sfw-flow-frame-counter>
  <sfw-flow-gate-id>
    sfw-flow-gate-id
  </sfw-flow-gate-id>
  <sfw-flow-nat>....</sfw-flow-nat>
  <sfw-flow-table-byte-count>
    sfw-flow-table-byte-count
  </sfw-flow-table-byte-count>
  <sfw-flow-table-tcp-window-size>
    sfw-flow-table-tcp-window-size
  </sfw-flow-table-tcp-window-size>
  <sfw-flow-table-tcp-acknowledge>
    sfw-flow-table-tcp-acknowledge
  </sfw-flow-table-tcp-acknowledge>
  <sfw-flow-table-tcp-tickle>
    sfw-flow-table-tcp-tickle
  </sfw-flow-table-tcp-tickle>
  <sfw-flow-table-role>
    sfw-flow-table-role
  </sfw-flow-table-role>
  <sfw-flow-table-timeout>
    sfw-flow-table-timeout
  </sfw-flow-table-timeout>
  <sfw-flow-table-protocol-detail>
    sfw-flow-table-protocol-detail
  </sfw-flow-table-protocol-detail>
  <sw-flow-nat-entry>....</sw-flow-nat-entry>
</sfw-flow-entry>
</service-sfw-flow-table>
</sfw-per-service-set-flow-table>
</service-sfw-flow-table-information>

```

**Description** Flow brief information

## <sfw-flow-entry>

### Usage

```

<sfw-per-service-set-conversation>
  <sfw-conversation>
    <service-sfw-flow-table>
      <sfw-flow-entry>
        <sfw-flow-protocol>
          sfw-flow-protocol
        </sfw-flow-protocol>
        <sfw-flow-source-ip>
          sfw-flow-source-ip
        </sfw-flow-source-ip>
        <sfw-flow-source-port>
          sfw-flow-source-port
        </sfw-flow-source-port>
      </sfw-flow-entry>
    </service-sfw-flow-table>
  </sfw-conversation>
</sfw-per-service-set-conversation>

```

```
<sfw-flow-destination-ip>
  sfw-flow-destination-ip
</sfw-flow-destination-ip>
<sfw-flow-destination-port>
  sfw-flow-destination-port
</sfw-flow-destination-port>
<sfw-flow-state>
  sfw-flow-state
</sfw-flow-state>
<sfw-flow-direction>
  sfw-flow-direction
</sfw-flow-direction>
<sfw-flow-frame-counter>
  sfw-flow-frame-counter
</sfw-flow-frame-counter>
<sfw-flow-gate-id>
  sfw-flow-gate-id
</sfw-flow-gate-id>
<sfw-flow-nat>....</sfw-flow-nat>
<sfw-flow-table-byte-count>
  sfw-flow-table-byte-count
</sfw-flow-table-byte-count>
<sfw-flow-table-tcp-window-size>
  sfw-flow-table-tcp-window-size
</sfw-flow-table-tcp-window-size>
<sfw-flow-table-tcp-acknowledge>
  sfw-flow-table-tcp-acknowledge
</sfw-flow-table-tcp-acknowledge>
<sfw-flow-table-tcp-tickle>
  sfw-flow-table-tcp-tickle
</sfw-flow-table-tcp-tickle>
<sfw-flow-table-role>
  sfw-flow-table-role
</sfw-flow-table-role>
<sfw-flow-table-timeout>
  sfw-flow-table-timeout
</sfw-flow-table-timeout>
<sfw-flow-table-protocol-detail>
  sfw-flow-table-protocol-detail
</sfw-flow-table-protocol-detail>
<sw-flow-nat-entry>....</sw-flow-nat-entry>
</sfw-flow-entry>
</service-sfw-flow-table>
</sfw-conversation>
</sfw-per-service-set-conversation>
```

**Description**    Flow brief information

### <sfw-flow-entry>

#### Usage

```
<service-sfw-conversation-information>
<sfw-per-service-set-conversation>
  <sfw-conversation>
```

```

<service-sfw-flow-table>
  <sfw-flow-entry>
    <sfw-flow-protocol>
      sfw-flow-protocol
    </sfw-flow-protocol>
    <sfw-flow-source-ip>
      sfw-flow-source-ip
    </sfw-flow-source-ip>
    <sfw-flow-source-port>
      sfw-flow-source-port
    </sfw-flow-source-port>
    <sfw-flow-destination-ip>
      sfw-flow-destination-ip
    </sfw-flow-destination-ip>
    <sfw-flow-destination-port>
      sfw-flow-destination-port
    </sfw-flow-destination-port>
    <sfw-flow-state>
      sfw-flow-state
    </sfw-flow-state>
    <sfw-flow-direction>
      sfw-flow-direction
    </sfw-flow-direction>
    <sfw-flow-frame-counter>
      sfw-flow-frame-counter
    </sfw-flow-frame-counter>
    <sfw-flow-gate-id>
      sfw-flow-gate-id
    </sfw-flow-gate-id>
    <sfw-flow-nat>....</sfw-flow-nat>
    <sfw-flow-table-byte-count>
      sfw-flow-table-byte-count
    </sfw-flow-table-byte-count>
    <sfw-flow-table-tcp-window-size>
      sfw-flow-table-tcp-window-size
    </sfw-flow-table-tcp-window-size>
    <sfw-flow-table-tcp-acknowledge>
      sfw-flow-table-tcp-acknowledge
    </sfw-flow-table-tcp-acknowledge>
    <sfw-flow-table-tcp-tickle>
      sfw-flow-table-tcp-tickle
    </sfw-flow-table-tcp-tickle>
    <sfw-flow-table-role>
      sfw-flow-table-role
    </sfw-flow-table-role>
    <sfw-flow-table-timeout>
      sfw-flow-table-timeout
    </sfw-flow-table-timeout>
    <sfw-flow-table-protocol-detail>
      sfw-flow-table-protocol-detail
    </sfw-flow-table-protocol-detail>
    <sw-flow-nat-entry>....</sw-flow-nat-entry>
  </sfw-flow-entry>
</service-sfw-flow-table>
</sfw-conversation>
</sfw-per-service-set-conversation>

```

</service-sfw-conversation-information>

**Description**    Flow brief information

### <sfw-flow-entry>

#### Usage

```
<software-per-service-set-flow-table>
  <service-software-table>
    <sfw-flow-entry>
      <sfw-flow-protocol>
        sfw-flow-protocol
      </sfw-flow-protocol>
      <sfw-flow-source-ip>
        sfw-flow-source-ip
      </sfw-flow-source-ip>
      <sfw-flow-source-port>
        sfw-flow-source-port
      </sfw-flow-source-port>
      <sfw-flow-destination-ip>
        sfw-flow-destination-ip
      </sfw-flow-destination-ip>
      <sfw-flow-destination-port>
        sfw-flow-destination-port
      </sfw-flow-destination-port>
      <sfw-flow-state>
        sfw-flow-state
      </sfw-flow-state>
      <sfw-flow-direction>
        sfw-flow-direction
      </sfw-flow-direction>
      <sfw-flow-frame-counter>
        sfw-flow-frame-counter
      </sfw-flow-frame-counter>
      <sfw-flow-gate-id>
        sfw-flow-gate-id
      </sfw-flow-gate-id>
      <sfw-flow-nat>....</sfw-flow-nat>
      <sfw-flow-table-byte-count>
        sfw-flow-table-byte-count
      </sfw-flow-table-byte-count>
      <sfw-flow-table-tcp-window-size>
        sfw-flow-table-tcp-window-size
      </sfw-flow-table-tcp-window-size>
      <sfw-flow-table-tcp-acknowledge>
        sfw-flow-table-tcp-acknowledge
      </sfw-flow-table-tcp-acknowledge>
      <sfw-flow-table-tcp-tickle>
        sfw-flow-table-tcp-tickle
      </sfw-flow-table-tcp-tickle>
      <sfw-flow-table-role>
        sfw-flow-table-role
      </sfw-flow-table-role>
      <sfw-flow-table-timeout>
```



```

    sfw-flow-table-timeout
  </sfw-flow-table-timeout>
  <sfw-flow-table-protocol-detail>
    sfw-flow-table-protocol-detail
  </sfw-flow-table-protocol-detail>
  <sw-flow-nat-entry>....</sw-flow-nat-entry>
</sfw-flow-entry>
</service-softwire-table>
</softwire-per-service-set-flow-table>

```

**Description** Flow brief information

## <sfw-flow-entry>

### Usage

```

<service-softwire-table-information>
  <softwire-per-service-set-flow-table>
    <service-softwire-table>
      <sfw-flow-entry>
        <sfw-flow-protocol>
          sfw-flow-protocol
        </sfw-flow-protocol>
        <sfw-flow-source-ip>
          sfw-flow-source-ip
        </sfw-flow-source-ip>
        <sfw-flow-source-port>
          sfw-flow-source-port
        </sfw-flow-source-port>
        <sfw-flow-destination-ip>
          sfw-flow-destination-ip
        </sfw-flow-destination-ip>
        <sfw-flow-destination-port>
          sfw-flow-destination-port
        </sfw-flow-destination-port>
        <sfw-flow-state>
          sfw-flow-state
        </sfw-flow-state>
        <sfw-flow-direction>
          sfw-flow-direction
        </sfw-flow-direction>
        <sfw-flow-frame-counter>
          sfw-flow-frame-counter
        </sfw-flow-frame-counter>
        <sfw-flow-gate-id>
          sfw-flow-gate-id
        </sfw-flow-gate-id>
        <sfw-flow-nat>....</sfw-flow-nat>
        <sfw-flow-table-byte-count>
          sfw-flow-table-byte-count
        </sfw-flow-table-byte-count>
        <sfw-flow-table-tcp-window-size>
          sfw-flow-table-tcp-window-size
        </sfw-flow-table-tcp-window-size>
        <sfw-flow-table-tcp-acknowledge>

```

```
    sfw-flow-table-tcp-acknowledge
  </sfw-flow-table-tcp-acknowledge>
  <sfw-flow-table-tcp-tickle>
    sfw-flow-table-tcp-tickle
  </sfw-flow-table-tcp-tickle>
  <sfw-flow-table-role>
    sfw-flow-table-role
  </sfw-flow-table-role>
  <sfw-flow-table-timeout>
    sfw-flow-table-timeout
  </sfw-flow-table-timeout>
  <sfw-flow-table-protocol-detail>
    sfw-flow-table-protocol-detail
  </sfw-flow-table-protocol-detail>
  <sw-flow-nat-entry>....</sw-flow-nat-entry>
</sfw-flow-entry>
</service-softwire-table>
</softwire-per-service-set-flow-table>
</service-softwire-table-information>
```

**Description**    Flow brief information

## <sfw-flow-entry>

### Usage

```
<service-softwire-flow-table-information>
  <softwire-per-service-set-flow-table>
    <service-softwire-table>
      <sfw-flow-entry>
        <sfw-flow-protocol>
          sfw-flow-protocol
        </sfw-flow-protocol>
        <sfw-flow-source-ip>
          sfw-flow-source-ip
        </sfw-flow-source-ip>
        <sfw-flow-source-port>
          sfw-flow-source-port
        </sfw-flow-source-port>
        <sfw-flow-destination-ip>
          sfw-flow-destination-ip
        </sfw-flow-destination-ip>
        <sfw-flow-destination-port>
          sfw-flow-destination-port
        </sfw-flow-destination-port>
        <sfw-flow-state>
          sfw-flow-state
        </sfw-flow-state>
        <sfw-flow-direction>
          sfw-flow-direction
        </sfw-flow-direction>
        <sfw-flow-frame-counter>
          sfw-flow-frame-counter
        </sfw-flow-frame-counter>
        <sfw-flow-gate-id>
```

```

    sfw-flow-gate-id
  </sfw-flow-gate-id>
  <sfw-flow-nat>....</sfw-flow-nat>
  <sfw-flow-table-byte-count>
    sfw-flow-table-byte-count
  </sfw-flow-table-byte-count>
  <sfw-flow-table-tcp-window-size>
    sfw-flow-table-tcp-window-size
  </sfw-flow-table-tcp-window-size>
  <sfw-flow-table-tcp-acknowledge>
    sfw-flow-table-tcp-acknowledge
  </sfw-flow-table-tcp-acknowledge>
  <sfw-flow-table-tcp-tickle>
    sfw-flow-table-tcp-tickle
  </sfw-flow-table-tcp-tickle>
  <sfw-flow-table-role>
    sfw-flow-table-role
  </sfw-flow-table-role>
  <sfw-flow-table-timeout>
    sfw-flow-table-timeout
  </sfw-flow-table-timeout>
  <sfw-flow-table-protocol-detail>
    sfw-flow-table-protocol-detail
  </sfw-flow-table-protocol-detail>
  <sw-flow-nat-entry>....</sw-flow-nat-entry>
</sfw-flow-entry>
</service-softwire-table>
</softwire-per-service-set-flow-table>
</service-softwire-flow-table-information>

```

**Description** Flow brief information

## <sfw-flow-entry>

### Usage

```

<service-msp-sess-table-information>
  <msp-per-service-set-sess-table>
    <sfw-flow-entry>
      <sfw-flow-protocol>
        sfw-flow-protocol
      </sfw-flow-protocol>
      <sfw-flow-source-ip>
        sfw-flow-source-ip
      </sfw-flow-source-ip>
      <sfw-flow-source-port>
        sfw-flow-source-port
      </sfw-flow-source-port>
      <sfw-flow-destination-ip>
        sfw-flow-destination-ip
      </sfw-flow-destination-ip>
      <sfw-flow-destination-port>
        sfw-flow-destination-port
      </sfw-flow-destination-port>
      <sfw-flow-state>

```

```
    sfw-flow-state
  </sfw-flow-state>
  <sfw-flow-direction>
    sfw-flow-direction
  </sfw-flow-direction>
  <sfw-flow-frame-counter>
    sfw-flow-frame-counter
  </sfw-flow-frame-counter>
  <sfw-flow-gate-id>
    sfw-flow-gate-id
  </sfw-flow-gate-id>
  <sfw-flow-nat>....</sfw-flow-nat>
  <sfw-flow-table-byte-count>
    sfw-flow-table-byte-count
  </sfw-flow-table-byte-count>
  <sfw-flow-table-tcp-window-size>
    sfw-flow-table-tcp-window-size
  </sfw-flow-table-tcp-window-size>
  <sfw-flow-table-tcp-acknowledge>
    sfw-flow-table-tcp-acknowledge
  </sfw-flow-table-tcp-acknowledge>
  <sfw-flow-table-tcp-tickle>
    sfw-flow-table-tcp-tickle
  </sfw-flow-table-tcp-tickle>
  <sfw-flow-table-role>
    sfw-flow-table-role
  </sfw-flow-table-role>
  <sfw-flow-table-timeout>
    sfw-flow-table-timeout
  </sfw-flow-table-timeout>
  <sfw-flow-table-protocol-detail>
    sfw-flow-table-protocol-detail
  </sfw-flow-table-protocol-detail>
  <sw-flow-nat-entry>....</sw-flow-nat-entry>
</sfw-flow-entry>
</msp-per-service-set-sess-table>
</service-msp-sess-table-information>
```

**Description**    Flow brief information

## <sfw-flow-nat>

### Usage

```
<sfw-flow-nat>
  <sfw-flow-nat-type>
    sfw-flow-nat-type
  </sfw-flow-nat-type>
  <sfw-flow-nat-ip>
    sfw-flow-nat-ip
  </sfw-flow-nat-ip>
  <sfw-flow-nat-port>
    sfw-flow-nat-port
  </sfw-flow-nat-port>
  <sfw-flow-translated-ip>
```

```

    sfw-flow-translated-ip
  </sfw-flow-translated-ip>
  <sfw-flow-translated-port>
    sfw-flow-translated-port
  </sfw-flow-translated-port>
</sfw-flow-nat>

```

**Description** NAT translation

## <sfw-flow-nat>

### Usage

```

<sfw-flow-entry>
  <sfw-flow-nat>
    <sfw-flow-nat-type>
      sfw-flow-nat-type
    </sfw-flow-nat-type>
    <sfw-flow-nat-ip>
      sfw-flow-nat-ip
    </sfw-flow-nat-ip>
    <sfw-flow-nat-port>
      sfw-flow-nat-port
    </sfw-flow-nat-port>
    <sfw-flow-translated-ip>
      sfw-flow-translated-ip
    </sfw-flow-translated-ip>
    <sfw-flow-translated-port>
      sfw-flow-translated-port
    </sfw-flow-translated-port>
  </sfw-flow-nat>
</sfw-flow-entry>

```

**Description** NAT translation

## <sfw-flow-nat>

### Usage

```

<sfw-per-service-set-flow-table>
  <service-sfw-flow-table>
    <sfw-flow-entry>
      <sfw-flow-nat>
        <sfw-flow-nat-type>
          sfw-flow-nat-type
        </sfw-flow-nat-type>
        <sfw-flow-nat-ip>
          sfw-flow-nat-ip
        </sfw-flow-nat-ip>
        <sfw-flow-nat-port>
          sfw-flow-nat-port
        </sfw-flow-nat-port>
        <sfw-flow-translated-ip>
          sfw-flow-translated-ip

```

```
</sfw-flow-translated-ip>
<sfw-flow-translated-port>
  sfw-flow-translated-port
</sfw-flow-translated-port>
</sfw-flow-nat>
</sfw-flow-entry>
</service-sfw-flow-table>
</sfw-per-service-set-flow-table>
```

**Description** NAT translation

### <sfw-flow-nat>

#### Usage

```
<service-sfw-flow-table-information>
<sfw-per-service-set-flow-table>
<service-sfw-flow-table>
<sfw-flow-entry>
  <sfw-flow-nat>
    <sfw-flow-nat-type>
      sfw-flow-nat-type
    </sfw-flow-nat-type>
    <sfw-flow-nat-ip>
      sfw-flow-nat-ip
    </sfw-flow-nat-ip>
    <sfw-flow-nat-port>
      sfw-flow-nat-port
    </sfw-flow-nat-port>
    <sfw-flow-translated-ip>
      sfw-flow-translated-ip
    </sfw-flow-translated-ip>
    <sfw-flow-translated-port>
      sfw-flow-translated-port
    </sfw-flow-translated-port>
  </sfw-flow-nat>
</sfw-flow-entry>
</service-sfw-flow-table>
</sfw-per-service-set-flow-table>
</service-sfw-flow-table-information>
```

**Description** NAT translation

### <sfw-flow-nat>

#### Usage

```
<sfw-per-service-set-conversation>
<sfw-conversation>
<service-sfw-flow-table>
<sfw-flow-entry>
  <sfw-flow-nat>
    <sfw-flow-nat-type>
      sfw-flow-nat-type
```

```

</sfw-flow-nat-type>
<sfw-flow-nat-ip>
  sfw-flow-nat-ip
</sfw-flow-nat-ip>
<sfw-flow-nat-port>
  sfw-flow-nat-port
</sfw-flow-nat-port>
<sfw-flow-translated-ip>
  sfw-flow-translated-ip
</sfw-flow-translated-ip>
<sfw-flow-translated-port>
  sfw-flow-translated-port
</sfw-flow-translated-port>
</sfw-flow-nat>
</sfw-flow-entry>
</service-sfw-flow-table>
</sfw-conversation>
</sfw-per-service-set-conversation>

```

**Description** NAT translation

## <sfw-flow-nat>

### Usage

```

<service-sfw-conversation-information>
  <sfw-per-service-set-conversation>
    <sfw-conversation>
      <service-sfw-flow-table>
        <sfw-flow-entry>
          <sfw-flow-nat>
            <sfw-flow-nat-type>
              sfw-flow-nat-type
            </sfw-flow-nat-type>
            <sfw-flow-nat-ip>
              sfw-flow-nat-ip
            </sfw-flow-nat-ip>
            <sfw-flow-nat-port>
              sfw-flow-nat-port
            </sfw-flow-nat-port>
            <sfw-flow-translated-ip>
              sfw-flow-translated-ip
            </sfw-flow-translated-ip>
            <sfw-flow-translated-port>
              sfw-flow-translated-port
            </sfw-flow-translated-port>
          </sfw-flow-nat>
        </sfw-flow-entry>
      </service-sfw-flow-table>
    </sfw-conversation>
  </sfw-per-service-set-conversation>
</service-sfw-conversation-information>

```

**Description** NAT translation

## <sfw-flow-nat>

### Usage

```
<software-per-service-set-flow-table>
  <service-softwire-table>
    <sfw-flow-entry>
      <sfw-flow-nat>
        <sfw-flow-nat-type>
          sfw-flow-nat-type
        </sfw-flow-nat-type>
        <sfw-flow-nat-ip>
          sfw-flow-nat-ip
        </sfw-flow-nat-ip>
        <sfw-flow-nat-port>
          sfw-flow-nat-port
        </sfw-flow-nat-port>
        <sfw-flow-translated-ip>
          sfw-flow-translated-ip
        </sfw-flow-translated-ip>
        <sfw-flow-translated-port>
          sfw-flow-translated-port
        </sfw-flow-translated-port>
      </sfw-flow-nat>
    </sfw-flow-entry>
  </service-softwire-table>
</software-per-service-set-flow-table>
```

**Description** NAT translation

## <sfw-flow-nat>

### Usage

```
<service-softwire-table-information>
  <software-per-service-set-flow-table>
    <service-softwire-table>
      <sfw-flow-entry>
        <sfw-flow-nat>
          <sfw-flow-nat-type>
            sfw-flow-nat-type
          </sfw-flow-nat-type>
          <sfw-flow-nat-ip>
            sfw-flow-nat-ip
          </sfw-flow-nat-ip>
          <sfw-flow-nat-port>
            sfw-flow-nat-port
          </sfw-flow-nat-port>
          <sfw-flow-translated-ip>
            sfw-flow-translated-ip
          </sfw-flow-translated-ip>
          <sfw-flow-translated-port>
            sfw-flow-translated-port
          </sfw-flow-translated-port>
        </sfw-flow-nat>
```



```

    </sfw-flow-entry>
  </service-softwire-table>
</softwire-per-service-set-flow-table>
</service-softwire-table-information>

```

**Description** NAT translation

### <sfw-flow-nat>

#### Usage

```

<service-softwire-flow-table-information>
  <softwire-per-service-set-flow-table>
    <service-softwire-table>
      <sfw-flow-entry>
        <sfw-flow-nat>
          <sfw-flow-nat-type>
            sfw-flow-nat-type
          </sfw-flow-nat-type>
          <sfw-flow-nat-ip>
            sfw-flow-nat-ip
          </sfw-flow-nat-ip>
          <sfw-flow-nat-port>
            sfw-flow-nat-port
          </sfw-flow-nat-port>
          <sfw-flow-translated-ip>
            sfw-flow-translated-ip
          </sfw-flow-translated-ip>
          <sfw-flow-translated-port>
            sfw-flow-translated-port
          </sfw-flow-translated-port>
        </sfw-flow-nat>
      </sfw-flow-entry>
    </service-softwire-table>
  </softwire-per-service-set-flow-table>
</service-softwire-flow-table-information>

```

**Description** NAT translation

### <sfw-flow-nat>

#### Usage

```

<nat-plugin-sess-entry>
  <sfw-flow-nat>
    <sfw-flow-nat-type>
      sfw-flow-nat-type
    </sfw-flow-nat-type>
    <sfw-flow-nat-ip>
      sfw-flow-nat-ip
    </sfw-flow-nat-ip>
    <sfw-flow-nat-port>
      sfw-flow-nat-port
    </sfw-flow-nat-port>
  </sfw-flow-nat>

```

```
<sfw-flow-translated-ip>
  sfw-flow-translated-ip
</sfw-flow-translated-ip>
<sfw-flow-translated-port>
  sfw-flow-translated-port
</sfw-flow-translated-port>
</sfw-flow-nat>
</nat-plugin-sess-entry>
```

**Description** NAT translation

### <sfw-flow-nat>

#### Usage

```
<service-msp-sess-table-information>
  <msp-per-service-set-sess-table>
    <sfw-flow-entry>
      <sfw-flow-nat>
        <sfw-flow-nat-type>
          sfw-flow-nat-type
        </sfw-flow-nat-type>
        <sfw-flow-nat-ip>
          sfw-flow-nat-ip
        </sfw-flow-nat-ip>
        <sfw-flow-nat-port>
          sfw-flow-nat-port
        </sfw-flow-nat-port>
        <sfw-flow-translated-ip>
          sfw-flow-translated-ip
        </sfw-flow-translated-ip>
        <sfw-flow-translated-port>
          sfw-flow-translated-port
        </sfw-flow-translated-port>
      </sfw-flow-nat>
    </sfw-flow-entry>
  </msp-per-service-set-sess-table>
</service-msp-sess-table-information>
```

**Description** NAT translation

### <sfw-flow-nat>

#### Usage

```
<service-msp-sess-table-information>
  <msp-per-service-set-sess-table>
    <nat-plugin-sess-entry>
      <sfw-flow-nat>
        <sfw-flow-nat-type>
          sfw-flow-nat-type
        </sfw-flow-nat-type>
        <sfw-flow-nat-ip>
          sfw-flow-nat-ip
```

```

</sfw-flow-nat-ip>
<sfw-flow-nat-port>
  sfw-flow-nat-port
</sfw-flow-nat-port>
<sfw-flow-translated-ip>
  sfw-flow-translated-ip
</sfw-flow-translated-ip>
<sfw-flow-translated-port>
  sfw-flow-translated-port
</sfw-flow-translated-port>
</sfw-flow-nat>
</nat-plugin-sess-entry>
</msp-per-service-set-sess-table>
</service-msp-sess-table-information>

```

**Description** NAT translation

### <sfw-per-service-set-conversation>

#### Usage

```

<sfw-per-service-set-conversation>
  <service-set-name>
    service-set-name
  </service-set-name>
  <interface-name>
    interface-name
  </interface-name>
  <sfw-conversation>....</sfw-conversation>
</sfw-per-service-set-conversation>

```

**Description** Show conversations

### <sfw-per-service-set-conversation>

#### Usage

```

<service-sfw-conversation-information>
  <sfw-per-service-set-conversation>
    <service-set-name>
      service-set-name
    </service-set-name>
    <interface-name>
      interface-name
    </interface-name>
    <sfw-conversation>....</sfw-conversation>
  </sfw-per-service-set-conversation>
</service-sfw-conversation-information>

```

**Description** Show conversations

### <sfw-per-service-set-flow-table>

#### Usage

```
<sfw-per-service-set-flow-table>
  <service-set-name>
    service-set-name
  </service-set-name>
  <interface-name>
    interface-name
  </interface-name>
  <service-sfw-flow-table>....</service-sfw-flow-table>
</sfw-per-service-set-flow-table>
```

**Description**    Flows sorted by service set

### <sfw-per-service-set-flow-table>

#### Usage

```
<service-sfw-flow-table-information>
  <sfw-per-service-set-flow-table>
    <service-set-name>
      service-set-name
    </service-set-name>
    <interface-name>
      interface-name
    </interface-name>
    <service-sfw-flow-table>....</service-sfw-flow-table>
  </sfw-per-service-set-flow-table>
</service-sfw-flow-table-information>
```

**Description**    Flows sorted by service set

### <sfw-per-service-set-nat-mapping>

#### Usage

```
<service-nat-mapping-information>
  <sfw-per-service-set-nat-mapping>
    <interface-name>
      interface-name
    </interface-name>
    <service-set-name>
      service-set-name
    </service-set-name>
    <service-nat-pool-map>....</service-nat-pool-map>
  </sfw-per-service-set-nat-mapping>
</service-nat-mapping-information>
```

**Description**    NAT mapping information for one service set

### <sfw-per-service-set-nat-pool>

#### Usage

```

<service-nat-pool-information>
  <sfw-per-service-set-nat-pool>
    <service-set-name>
      service-set-name
    </service-set-name>
    <interface-name>
      interface-name
    </interface-name>
    <service-nat-pool>....</service-nat-pool>
  </sfw-per-service-set-nat-pool>
</service-nat-pool-information>

```

**Description** NAT pool information for one service set

### <sfw-per-service-set-sip-calls>

#### Usage

```

<sfw-per-service-set-sip-calls>
  <interface-name>
    interface-name
  </interface-name>
  <service-set-name>
    service-set-name
  </service-set-name>
  <sfw-sip-calls>....</sfw-sip-calls>
</sfw-per-service-set-sip-calls>

```

**Description** Stateful firewall SIP calls sorted by service set

### <sfw-per-service-set-sip-calls>

#### Usage

```

<service-sfw-sip-call-information>
  <sfw-per-service-set-sip-calls>
    <interface-name>
      interface-name
    </interface-name>
    <service-set-name>
      service-set-name
    </service-set-name>
    <sfw-sip-calls>....</sfw-sip-calls>
  </sfw-per-service-set-sip-calls>
</service-sfw-sip-call-information>

```

**Description** Stateful firewall SIP calls sorted by service set

## <sfw-per-service-set-sip-registrations>

### Usage

```
<sfw-per-service-set-sip-registrations>
  <interface-name>
    interface-name
  </interface-name>
  <service-set-name>
    service-set-name
  </service-set-name>
  <sfw-sip-registers>....</sfw-sip-registers>
</sfw-per-service-set-sip-registrations>
```

**Description** Stateful firewall SIP registrations sorted by service set

## <sfw-per-service-set-sip-registrations>

### Usage

```
<service-sfw-sip-registration-information>
  <sfw-per-service-set-sip-registrations>
    <interface-name>
      interface-name
    </interface-name>
    <service-set-name>
      service-set-name
    </service-set-name>
    <sfw-sip-registers>....</sfw-sip-registers>
  </sfw-per-service-set-sip-registrations>
</service-sfw-sip-registration-information>
```

**Description** Stateful firewall SIP registrations sorted by service set

## <sfw-sip-call-entry>

### Usage

```
<sfw-sip-call-entry>
  <sfw-sip-from>
    sfw-sip-from
  </sfw-sip-from>
  <sfw-sip-to>
    sfw-sip-to
  </sfw-sip-to>
  <sfw-sip-callid>
    sfw-sip-callid
  </sfw-sip-callid>
  <sfw-sip-number-control-iflows>
    sfw-sip-number-control-iflows
  </sfw-sip-number-control-iflows>
  <sfw-sip-number-control-rflows>
    sfw-sip-number-control-rflows
  </sfw-sip-number-control-rflows>
  <sfw-sip-control-iflow-table>....</sfw-sip-control-iflow-table>
```

```

<sfw-sip-control-rflow-table>....</sfw-sip-control-rflow-table>
<sfw-sip-number-contact-iflows>
  sfw-sip-number-contact-iflows
</sfw-sip-number-contact-iflows>
<sfw-sip-number-contact-rflows>
  sfw-sip-number-contact-rflows
</sfw-sip-number-contact-rflows>
<sfw-sip-contact-iflow-table>....</sfw-sip-contact-iflow-table>
<sfw-sip-contact-rflow-table>....</sfw-sip-contact-rflow-table>
<sfw-sip-number-media-iflows>
  sfw-sip-number-media-iflows
</sfw-sip-number-media-iflows>
<sfw-sip-number-media-rflows>
  sfw-sip-number-media-rflows
</sfw-sip-number-media-rflows>
<sfw-sip-media-iflow-table>....</sfw-sip-media-iflow-table>
<sfw-sip-media-rflow-table>....</sfw-sip-media-rflow-table>
</sfw-sip-call-entry>

```

**Description** Session Initiation Protocol call

## <sfw-sip-call-entry>

### Usage

```

<sfw-per-service-set-sip-calls>
  <sfw-sip-calls>
    <sfw-sip-call-entry>
      <sfw-sip-from>
        sfw-sip-from
      </sfw-sip-from>
      <sfw-sip-to>
        sfw-sip-to
      </sfw-sip-to>
      <sfw-sip-callid>
        sfw-sip-callid
      </sfw-sip-callid>
      <sfw-sip-number-control-iflows>
        sfw-sip-number-control-iflows
      </sfw-sip-number-control-iflows>
      <sfw-sip-number-control-rflows>
        sfw-sip-number-control-rflows
      </sfw-sip-number-control-rflows>
      <sfw-sip-control-iflow-table>....</sfw-sip-control-iflow-table>
      <sfw-sip-control-rflow-table>....</sfw-sip-control-rflow-table>
      <sfw-sip-number-contact-iflows>
        sfw-sip-number-contact-iflows
      </sfw-sip-number-contact-iflows>
      <sfw-sip-number-contact-rflows>
        sfw-sip-number-contact-rflows
      </sfw-sip-number-contact-rflows>
      <sfw-sip-contact-iflow-table>....</sfw-sip-contact-iflow-table>
      <sfw-sip-contact-rflow-table>....</sfw-sip-contact-rflow-table>
      <sfw-sip-number-media-iflows>
        sfw-sip-number-media-iflows

```

```
</sfw-sip-number-media-iflows>
<sfw-sip-number-media-rflows>
  sfw-sip-number-media-rflows
</sfw-sip-number-media-rflows>
<sfw-sip-media-iflow-table>....</sfw-sip-media-iflow-table>
<sfw-sip-media-rflow-table>....</sfw-sip-media-rflow-table>
</sfw-sip-call-entry>
</sfw-sip-calls>
</sfw-per-service-set-sip-calls>
```

**Description** Session Initiation Protocol call

### <sfw-sip-call-entry>

#### Usage

```
<service-sfw-sip-call-information>
<sfw-per-service-set-sip-calls>
  <sfw-sip-calls>
    <sfw-sip-call-entry>
      <sfw-sip-from>
        sfw-sip-from
      </sfw-sip-from>
      <sfw-sip-to>
        sfw-sip-to
      </sfw-sip-to>
      <sfw-sip-callid>
        sfw-sip-callid
      </sfw-sip-callid>
      <sfw-sip-number-control-iflows>
        sfw-sip-number-control-iflows
      </sfw-sip-number-control-iflows>
      <sfw-sip-number-control-rflows>
        sfw-sip-number-control-rflows
      </sfw-sip-number-control-rflows>
      <sfw-sip-control-iflow-table>....</sfw-sip-control-iflow-table>
      <sfw-sip-control-rflow-table>....</sfw-sip-control-rflow-table>
      <sfw-sip-number-contact-iflows>
        sfw-sip-number-contact-iflows
      </sfw-sip-number-contact-iflows>
      <sfw-sip-number-contact-rflows>
        sfw-sip-number-contact-rflows
      </sfw-sip-number-contact-rflows>
      <sfw-sip-contact-iflow-table>....</sfw-sip-contact-iflow-table>
      <sfw-sip-contact-rflow-table>....</sfw-sip-contact-rflow-table>
      <sfw-sip-number-media-iflows>
        sfw-sip-number-media-iflows
      </sfw-sip-number-media-iflows>
      <sfw-sip-number-media-rflows>
        sfw-sip-number-media-rflows
      </sfw-sip-number-media-rflows>
      <sfw-sip-media-iflow-table>....</sfw-sip-media-iflow-table>
      <sfw-sip-media-rflow-table>....</sfw-sip-media-rflow-table>
    </sfw-sip-call-entry>
  </sfw-sip-calls>
```



```
</sfw-per-service-set-sip-calls>
</service-sfw-sip-call-information>
```

**Description** Session Initiation Protocol call

### <sfw-sip-calls>

**Usage**

```
<sfw-per-service-set-sip-calls>
  <sfw-sip-calls>
    <sfw-sip-call-entry>....</sfw-sip-call-entry>
  </sfw-sip-calls>
</sfw-per-service-set-sip-calls>
```

**Description**

### <sfw-sip-calls>

**Usage**

```
<service-sfw-sip-call-information>
  <sfw-per-service-set-sip-calls>
    <sfw-sip-calls>
      <sfw-sip-call-entry>....</sfw-sip-call-entry>
    </sfw-sip-calls>
  </sfw-per-service-set-sip-calls>
</service-sfw-sip-call-information>
```

**Description**

### <sfw-sip-contact-iflow-table>

**Usage**

```
<sfw-sip-call-entry>
  <sfw-sip-contact-iflow-table>
</sfw-sip-contact-iflow-table>
</sfw-sip-call-entry>
```

**Description**

### <sfw-sip-contact-iflow-table>

**Usage**

```
<sfw-per-service-set-sip-calls>
  <sfw-sip-calls>
    <sfw-sip-call-entry>
      <sfw-sip-contact-iflow-table>
    </sfw-sip-contact-iflow-table>
  </sfw-sip-call-entry>
</sfw-sip-calls>
</sfw-per-service-set-sip-calls>
```

**Description****<sfw-sip-contact-iflow-table>****Usage**

```
<service-sfw-sip-call-information>
  <sfw-per-service-set-sip-calls>
    <sfw-sip-calls>
      <sfw-sip-call-entry>
        <sfw-sip-contact-iflow-table>
      </sfw-sip-contact-iflow-table>
    </sfw-sip-call-entry>
  </sfw-sip-calls>
</sfw-per-service-set-sip-calls>
</service-sfw-sip-call-information>
```

**Description****<sfw-sip-contact-rflow-table>****Usage**

```
<sfw-sip-call-entry>
  <sfw-sip-contact-rflow-table>
</sfw-sip-contact-rflow-table>
</sfw-sip-call-entry>
```

**Description****<sfw-sip-contact-rflow-table>****Usage**

```
<sfw-per-service-set-sip-calls>
  <sfw-sip-calls>
    <sfw-sip-call-entry>
      <sfw-sip-contact-rflow-table>
    </sfw-sip-contact-rflow-table>
  </sfw-sip-call-entry>
</sfw-sip-calls>
</sfw-per-service-set-sip-calls>
```

**Description****<sfw-sip-contact-rflow-table>****Usage**

```
<service-sfw-sip-call-information>
  <sfw-per-service-set-sip-calls>
    <sfw-sip-calls>
      <sfw-sip-call-entry>
        <sfw-sip-contact-rflow-table>
      </sfw-sip-contact-rflow-table>
    </sfw-sip-call-entry>
  </sfw-sip-calls>
```

```
</sfw-per-service-set-sip-calls>
</service-sfw-sip-call-information>
```

**Description****<sfw-sip-control-iflow-table>****Usage**

```
<sfw-sip-call-entry>
  <sfw-sip-control-iflow-table>
</sfw-sip-control-iflow-table>
</sfw-sip-call-entry>
```

**Description****<sfw-sip-control-iflow-table>****Usage**

```
<sfw-per-service-set-sip-calls>
  <sfw-sip-calls>
    <sfw-sip-call-entry>
      <sfw-sip-control-iflow-table>
    </sfw-sip-control-iflow-table>
    </sfw-sip-call-entry>
  </sfw-sip-calls>
</sfw-per-service-set-sip-calls>
```

**Description****<sfw-sip-control-iflow-table>****Usage**

```
<service-sfw-sip-call-information>
  <sfw-per-service-set-sip-calls>
    <sfw-sip-calls>
      <sfw-sip-call-entry>
        <sfw-sip-control-iflow-table>
      </sfw-sip-control-iflow-table>
      </sfw-sip-call-entry>
    </sfw-sip-calls>
  </sfw-per-service-set-sip-calls>
</service-sfw-sip-call-information>
```

**Description****<sfw-sip-control-rflow-table>****Usage**

```
<sfw-sip-call-entry>
  <sfw-sip-control-rflow-table>
</sfw-sip-control-rflow-table>
```

```
</sfw-sip-call-entry>
```

#### Description

### <sfw-sip-control-rflow-table>

#### Usage

```
<sfw-per-service-set-sip-calls>  
  <sfw-sip-calls>  
    <sfw-sip-call-entry>  
      <sfw-sip-control-rflow-table>  
    </sfw-sip-control-rflow-table>  
  </sfw-sip-call-entry>  
</sfw-sip-calls>  
</sfw-per-service-set-sip-calls>
```

#### Description

### <sfw-sip-control-rflow-table>

#### Usage

```
<service-sfw-sip-call-information>  
  <sfw-per-service-set-sip-calls>  
    <sfw-sip-calls>  
      <sfw-sip-call-entry>  
        <sfw-sip-control-rflow-table>  
      </sfw-sip-control-rflow-table>  
    </sfw-sip-call-entry>  
  </sfw-sip-calls>  
</sfw-per-service-set-sip-calls>  
</service-sfw-sip-call-information>
```

#### Description

### <sfw-sip-media-iflow-table>

#### Usage

```
<sfw-sip-call-entry>  
  <sfw-sip-media-iflow-table>  
</sfw-sip-media-iflow-table>  
</sfw-sip-call-entry>
```

#### Description

### <sfw-sip-media-iflow-table>

#### Usage

```
<sfw-per-service-set-sip-calls>  
  <sfw-sip-calls>  
    <sfw-sip-call-entry>  
      <sfw-sip-media-iflow-table>  
    </sfw-sip-media-iflow-table>
```

```
</sfw-sip-call-entry>
</sfw-sip-calls>
</sfw-per-service-set-sip-calls>
```

#### Description

### <sfw-sip-media-iflow-table>

#### Usage

```
<service-sfw-sip-call-information>
  <sfw-per-service-set-sip-calls>
    <sfw-sip-calls>
      <sfw-sip-call-entry>
        <sfw-sip-media-iflow-table>
      </sfw-sip-media-iflow-table>
    </sfw-sip-call-entry>
  </sfw-sip-calls>
</sfw-per-service-set-sip-calls>
</service-sfw-sip-call-information>
```

#### Description

### <sfw-sip-media-rflow-table>

#### Usage

```
<sfw-sip-call-entry>
  <sfw-sip-media-rflow-table>
</sfw-sip-media-rflow-table>
</sfw-sip-call-entry>
```

#### Description

### <sfw-sip-media-rflow-table>

#### Usage

```
<sfw-per-service-set-sip-calls>
  <sfw-sip-calls>
    <sfw-sip-call-entry>
      <sfw-sip-media-rflow-table>
    </sfw-sip-media-rflow-table>
  </sfw-sip-call-entry>
</sfw-sip-calls>
</sfw-per-service-set-sip-calls>
```

#### Description

### <sfw-sip-media-rflow-table>

#### Usage

```
<service-sfw-sip-call-information>
  <sfw-per-service-set-sip-calls>
    <sfw-sip-calls>
```

```
<sfw-sip-call-entry>
  <sfw-sip-media-rflow-table>
</sfw-sip-media-rflow-table>
</sfw-sip-call-entry>
</sfw-sip-calls>
</sfw-per-service-set-sip-calls>
</service-sfw-sip-call-information>
```

#### Description

### <sfw-sip-register-entry>

#### Usage

```
<sfw-sip-register-entry>
  <sfw-sip-register-protocol>
    sfw-sip-register-protocol
  </sfw-sip-register-protocol>
  <sfw-sip-register-address>
    sfw-sip-register-address
  </sfw-sip-register-address>
  <sfw-sip-register-port>
    sfw-sip-register-port
  </sfw-sip-register-port>
  <sfw-sip-register-acked>
    sfw-sip-register-acked
  </sfw-sip-register-acked>
  <sfw-sip-register-expiration>
    sfw-sip-register-expiration
  </sfw-sip-register-expiration>
  <sfw-sip-register-remaining>
    sfw-sip-register-remaining
  </sfw-sip-register-remaining>
  <sfw-sip-from>
    sfw-sip-from
  </sfw-sip-from>
  <sfw-sip-to>
    sfw-sip-to
  </sfw-sip-to>
  <sfw-sip-callid>
    sfw-sip-callid
  </sfw-sip-callid>
</sfw-sip-register-entry>
```

**Description**    Display a SIP register

### <sfw-sip-register-entry>

#### Usage

```
<sfw-per-service-set-sip-registrations>
  <sfw-sip-registers>
    <sfw-sip-register-entry>
      <sfw-sip-register-protocol>
        sfw-sip-register-protocol
```

```

</sfw-sip-register-protocol>
<sfw-sip-register-address>
  sfw-sip-register-address
</sfw-sip-register-address>
<sfw-sip-register-port>
  sfw-sip-register-port
</sfw-sip-register-port>
<sfw-sip-register-acked>
  sfw-sip-register-acked
</sfw-sip-register-acked>
<sfw-sip-register-expiration>
  sfw-sip-register-expiration
</sfw-sip-register-expiration>
<sfw-sip-register-remaining>
  sfw-sip-register-remaining
</sfw-sip-register-remaining>
<sfw-sip-from>
  sfw-sip-from
</sfw-sip-from>
<sfw-sip-to>
  sfw-sip-to
</sfw-sip-to>
<sfw-sip-callid>
  sfw-sip-callid
</sfw-sip-callid>
</sfw-sip-register-entry>
</sfw-sip-registers>
</sfw-per-service-set-sip-registrations>

```

**Description** Display a SIP register

### <sfw-sip-register-entry>

#### Usage

```

<service-sfw-sip-registration-information>
<sfw-per-service-set-sip-registrations>
<sfw-sip-registers>
  <sfw-sip-register-entry>
    <sfw-sip-register-protocol>
      sfw-sip-register-protocol
    </sfw-sip-register-protocol>
    <sfw-sip-register-address>
      sfw-sip-register-address
    </sfw-sip-register-address>
    <sfw-sip-register-port>
      sfw-sip-register-port
    </sfw-sip-register-port>
    <sfw-sip-register-acked>
      sfw-sip-register-acked
    </sfw-sip-register-acked>
    <sfw-sip-register-expiration>
      sfw-sip-register-expiration
    </sfw-sip-register-expiration>
    <sfw-sip-register-remaining>

```

```
    sfw-sip-register-remaining
  </sfw-sip-register-remaining>
  <sfw-sip-from>
    sfw-sip-from
  </sfw-sip-from>
  <sfw-sip-to>
    sfw-sip-to
  </sfw-sip-to>
  <sfw-sip-callid>
    sfw-sip-callid
  </sfw-sip-callid>
</sfw-sip-register-entry>
</sfw-sip-registers>
</sfw-per-service-set-sip-registrations>
</service-sfw-sip-registration-information>
```

**Description**    Display a SIP register

### <sfw-sip-registers>

#### Usage

```
<sfw-per-service-set-sip-registrations>
  <sfw-sip-registers>
    <sfw-sip-register-entry>....</sfw-sip-register-entry>
  </sfw-sip-registers>
</sfw-per-service-set-sip-registrations>
```

#### Description

### <sfw-sip-registers>

#### Usage

```
<service-sfw-sip-registration-information>
  <sfw-per-service-set-sip-registrations>
    <sfw-sip-registers>
      <sfw-sip-register-entry>....</sfw-sip-register-entry>
    </sfw-sip-registers>
  </sfw-per-service-set-sip-registrations>
</service-sfw-sip-registration-information>
```

#### Description

### <sfw-stats-service-set-entry>

#### Usage

```
<sfw-stats-service-set-entry>
  <service-set-name>
    service-set-name
  </service-set-name>
  <total-flow-accepts>
    total-flow-accepts
  </total-flow-accepts>
```



```

<total-flow-discards>
  total-flow-discards
</total-flow-discards>
<total-flow-rejects>
  total-flow-rejects
</total-flow-rejects>
<total-drops>
  total-drops
</total-drops>
<new-flow-counters>....</new-flow-counters>
<existing-flow-counters>....</existing-flow-counters>
<drop_counters>....</drop_counters>
<error-counters>....</error-counters>
<ip-error-counters>....</ip-error-counters>
<tcp-error-counters>....</tcp-error-counters>
<udp-error-counters>....</udp-error-counters>
<icmp-error-counters>....</icmp-error-counters>
<alg-error-counters>....</alg-error-counters>
<alg-name>
  alg-name
</alg-name>
<sip-active-call-count>
  sip-active-call-count
</sip-active-call-count>
<sip-active-reg-count>
  sip-active-reg-count
</sip-active-reg-count>
<sip-alg-counters>....</sip-alg-counters>
</sfw-stats-service-set-entry>

```

**Description** Stateful firewall service set statistics entry

### <sfw-stats-service-set-entry>

#### Usage

```

<service-sfw-statistics-information>
  <service-sfw-statistics-entry>
    <sfw-stats-service-set-entry>
      <service-set-name>
        service-set-name
      </service-set-name>
      <total-flow-accepts>
        total-flow-accepts
      </total-flow-accepts>
      <total-flow-discards>
        total-flow-discards
      </total-flow-discards>
      <total-flow-rejects>
        total-flow-rejects
      </total-flow-rejects>
      <total-drops>
        total-drops
      </total-drops>
      <new-flow-counters>....</new-flow-counters>
    </sfw-stats-service-set-entry>
  </service-sfw-statistics-entry>
</service-sfw-statistics-information>

```

```
<existing-flow-counters>....</existing-flow-counters>
<drop_counters>....</drop_counters>
<error-counters>....</error-counters>
<ip-error-counters>....</ip-error-counters>
<tcp-error-counters>....</tcp-error-counters>
<udp-error-counters>....</udp-error-counters>
<icmp-error-counters>....</icmp-error-counters>
<alg-error-counters>....</alg-error-counters>
<alg-name>
  alg-name
</alg-name>
<sip-active-call-count>
  sip-active-call-count
</sip-active-call-count>
<sip-active-reg-count>
  sip-active-reg-count
</sip-active-reg-count>
<sip-alg-counters>....</sip-alg-counters>
</sfw-stats-service-set-entry>
</service-sfw-statistics-entry>
</service-sfw-statistics-information>
```

**Description** Stateful firewall service set statistics entry

### <sip-alg-counters>

#### Usage

```
<sfw-stats-service-set-entry>
<sip-alg-counters>
  <total-counters>....</total-counters>
  <parser-counters>....</parser-counters>
  <message-counters>....</message-counters>
</sip-alg-counters>
</sfw-stats-service-set-entry>
```

**Description** SIP statistics

### <sip-alg-counters>

#### Usage

```
<service-sfw-statistics-information>
<service-sfw-statistics-entry>
  <sfw-stats-service-set-entry>
    <sip-alg-counters>
      <total-counters>....</total-counters>
      <parser-counters>....</parser-counters>
      <message-counters>....</message-counters>
    </sip-alg-counters>
  </sfw-stats-service-set-entry>
</service-sfw-statistics-entry>
</service-sfw-statistics-information>
```

**Description** SIP statistics

### <software-entry>

#### Usage

```
<software-entry>
  <software-source-ip>
    software-source-ip
  </software-source-ip>
  <software-destination-ip>
    software-destination-ip
  </software-destination-ip>
  <software-direction>
    software-direction
  </software-direction>
  <software-flow-count>
    software-flow-count
  </software-flow-count>
  <software-table-timeout>
    software-table-timeout
  </software-table-timeout>
</software-entry>
```

**Description** Flow brief information

### <software-entry>

#### Usage

```
<software-per-service-set-flow-table>
  <service-software-table>
    <software-entry>
      <software-source-ip>
        software-source-ip
      </software-source-ip>
      <software-destination-ip>
        software-destination-ip
      </software-destination-ip>
      <software-direction>
        software-direction
      </software-direction>
      <software-flow-count>
        software-flow-count
      </software-flow-count>
      <software-table-timeout>
        software-table-timeout
      </software-table-timeout>
    </software-entry>
  </service-software-table>
</software-per-service-set-flow-table>
```

**Description** Flow brief information

## <software-entry>

### Usage

```
<service-software-table-information>
  <software-per-service-set-flow-table>
    <service-software-table>
      <software-entry>
        <software-source-ip>
          software-source-ip
        </software-source-ip>
        <software-destination-ip>
          software-destination-ip
        </software-destination-ip>
        <software-direction>
          software-direction
        </software-direction>
        <software-flow-count>
          software-flow-count
        </software-flow-count>
        <software-table-timeout>
          software-table-timeout
        </software-table-timeout>
      </software-entry>
    </service-software-table>
  </software-per-service-set-flow-table>
</service-software-table-information>
```

**Description**    Flow brief information

## <software-entry>

### Usage

```
<service-software-flow-table-information>
  <software-per-service-set-flow-table>
    <service-software-table>
      <software-entry>
        <software-source-ip>
          software-source-ip
        </software-source-ip>
        <software-destination-ip>
          software-destination-ip
        </software-destination-ip>
        <software-direction>
          software-direction
        </software-direction>
        <software-flow-count>
          software-flow-count
        </software-flow-count>
        <software-table-timeout>
          software-table-timeout
        </software-table-timeout>
      </software-entry>
    </service-software-table>
```

```

</software-per-service-set-flow-table>
</service-softwire-flow-table-information>

```

**Description** Flow brief information

### <software-per-service-set-flow-table>

#### Usage

```

<software-per-service-set-flow-table>
  <service-set-name>
    service-set-name
  </service-set-name>
  <interface-name>
    interface-name
  </interface-name>
  <service-softwire-table>....</service-softwire-table>
</software-per-service-set-flow-table>

```

**Description** Flows sorted by service set

### <software-per-service-set-flow-table>

#### Usage

```

<service-softwire-table-information>
  <software-per-service-set-flow-table>
    <service-set-name>
      service-set-name
    </service-set-name>
    <interface-name>
      interface-name
    </interface-name>
    <service-softwire-table>....</service-softwire-table>
  </software-per-service-set-flow-table>
</service-softwire-table-information>

```

**Description** Flows sorted by service set

### <software-per-service-set-flow-table>

#### Usage

```

<service-softwire-flow-table-information>
  <software-per-service-set-flow-table>
    <service-set-name>
      service-set-name
    </service-set-name>
    <interface-name>
      interface-name
    </interface-name>
    <service-softwire-table>....</service-softwire-table>
  </software-per-service-set-flow-table>

```

</service-softwire-flow-table-information>

**Description**    Flows sorted by service set

### <sw-flow-nat-entry>

#### Usage

```
<sw-flow-nat-entry>
  <sfw-flow-nat-sw-nat-type>
    sfw-flow-nat-sw-nat-type
  </sfw-flow-nat-sw-nat-type>
  <sfw-flow-nat-ip>
    sfw-flow-nat-ip
  </sfw-flow-nat-ip>
  <sfw-flow-nat-port>
    sfw-flow-nat-port
  </sfw-flow-nat-port>
  <sfw-flow-translated-ip>
    sfw-flow-translated-ip
  </sfw-flow-translated-ip>
  <sfw-flow-translated-port>
    sfw-flow-translated-port
  </sfw-flow-translated-port>
</sw-flow-nat-entry>
```

**Description**    NAT translation

### <sw-flow-nat-entry>

#### Usage

```
<sfw-flow-entry>
  <sw-flow-nat-entry>
    <sfw-flow-nat-sw-nat-type>
      sfw-flow-nat-sw-nat-type
    </sfw-flow-nat-sw-nat-type>
    <sfw-flow-nat-ip>
      sfw-flow-nat-ip
    </sfw-flow-nat-ip>
    <sfw-flow-nat-port>
      sfw-flow-nat-port
    </sfw-flow-nat-port>
    <sfw-flow-translated-ip>
      sfw-flow-translated-ip
    </sfw-flow-translated-ip>
    <sfw-flow-translated-port>
      sfw-flow-translated-port
    </sfw-flow-translated-port>
  </sw-flow-nat-entry>
</sfw-flow-entry>
```

**Description**    NAT translation

## <sw-flow-nat-entry>

### Usage

```

<sfw-per-service-set-flow-table>
  <service-sfw-flow-table>
    <sfw-flow-entry>
      <sw-flow-nat-entry>
        <sfw-flow-nat-sw-nat-type>
          sfw-flow-nat-sw-nat-type
        </sfw-flow-nat-sw-nat-type>
        <sfw-flow-nat-ip>
          sfw-flow-nat-ip
        </sfw-flow-nat-ip>
        <sfw-flow-nat-port>
          sfw-flow-nat-port
        </sfw-flow-nat-port>
        <sfw-flow-translated-ip>
          sfw-flow-translated-ip
        </sfw-flow-translated-ip>
        <sfw-flow-translated-port>
          sfw-flow-translated-port
        </sfw-flow-translated-port>
      </sw-flow-nat-entry>
    </sfw-flow-entry>
  </service-sfw-flow-table>
</sfw-per-service-set-flow-table>

```

**Description** NAT translation

## <sw-flow-nat-entry>

### Usage

```

<service-sfw-flow-table-information>
  <sfw-per-service-set-flow-table>
    <service-sfw-flow-table>
      <sfw-flow-entry>
        <sw-flow-nat-entry>
          <sfw-flow-nat-sw-nat-type>
            sfw-flow-nat-sw-nat-type
          </sfw-flow-nat-sw-nat-type>
          <sfw-flow-nat-ip>
            sfw-flow-nat-ip
          </sfw-flow-nat-ip>
          <sfw-flow-nat-port>
            sfw-flow-nat-port
          </sfw-flow-nat-port>
          <sfw-flow-translated-ip>
            sfw-flow-translated-ip
          </sfw-flow-translated-ip>
          <sfw-flow-translated-port>
            sfw-flow-translated-port
          </sfw-flow-translated-port>
        </sw-flow-nat-entry>
      </sfw-flow-entry>
    </service-sfw-flow-table>
  </sfw-per-service-set-flow-table>
</service-sfw-flow-table-information>

```

```
</sfw-flow-entry>
</service-sfw-flow-table>
</sfw-per-service-set-flow-table>
</service-sfw-flow-table-information>
```

**Description** NAT translation

### <sw-flow-nat-entry>

#### Usage

```
<sfw-per-service-set-conversation>
<sfw-conversation>
<service-sfw-flow-table>
<sfw-flow-entry>
<sw-flow-nat-entry>
<sfw-flow-nat-sw-nat-type>
  sfw-flow-nat-sw-nat-type
</sfw-flow-nat-sw-nat-type>
<sfw-flow-nat-ip>
  sfw-flow-nat-ip
</sfw-flow-nat-ip>
<sfw-flow-nat-port>
  sfw-flow-nat-port
</sfw-flow-nat-port>
<sfw-flow-translated-ip>
  sfw-flow-translated-ip
</sfw-flow-translated-ip>
<sfw-flow-translated-port>
  sfw-flow-translated-port
</sfw-flow-translated-port>
</sw-flow-nat-entry>
</sfw-flow-entry>
</service-sfw-flow-table>
</sfw-conversation>
</sfw-per-service-set-conversation>
```

**Description** NAT translation

### <sw-flow-nat-entry>

#### Usage

```
<service-sfw-conversation-information>
<sfw-per-service-set-conversation>
<sfw-conversation>
<service-sfw-flow-table>
<sfw-flow-entry>
<sw-flow-nat-entry>
<sfw-flow-nat-sw-nat-type>
  sfw-flow-nat-sw-nat-type
</sfw-flow-nat-sw-nat-type>
<sfw-flow-nat-ip>
  sfw-flow-nat-ip
```



```

        </sfw-flow-nat-ip>
        <sfw-flow-nat-port>
            sfw-flow-nat-port
        </sfw-flow-nat-port>
        <sfw-flow-translated-ip>
            sfw-flow-translated-ip
        </sfw-flow-translated-ip>
        <sfw-flow-translated-port>
            sfw-flow-translated-port
        </sfw-flow-translated-port>
    </sw-flow-nat-entry>
</sfw-flow-entry>
</service-sfw-flow-table>
</sfw-conversation>
</sfw-per-service-set-conversation>
</service-sfw-conversation-information>

```

**Description** NAT translation

### <sw-flow-nat-entry>

#### Usage

```

<software-per-service-set-flow-table>
  <service-software-table>
    <sfw-flow-entry>
      <sw-flow-nat-entry>
        <sfw-flow-nat-sw-nat-type>
            sfw-flow-nat-sw-nat-type
        </sfw-flow-nat-sw-nat-type>
        <sfw-flow-nat-ip>
            sfw-flow-nat-ip
        </sfw-flow-nat-ip>
        <sfw-flow-nat-port>
            sfw-flow-nat-port
        </sfw-flow-nat-port>
        <sfw-flow-translated-ip>
            sfw-flow-translated-ip
        </sfw-flow-translated-ip>
        <sfw-flow-translated-port>
            sfw-flow-translated-port
        </sfw-flow-translated-port>
      </sw-flow-nat-entry>
    </sfw-flow-entry>
  </service-software-table>
</software-per-service-set-flow-table>

```

**Description** NAT translation

### <sw-flow-nat-entry>

#### Usage

```

<service-software-table-information>

```

```
<software-per-service-set-flow-table>
  <service-softwire-table>
    <sfw-flow-entry>
      <sw-flow-nat-entry>
        <sfw-flow-nat-sw-nat-type>
          sfw-flow-nat-sw-nat-type
        </sfw-flow-nat-sw-nat-type>
        <sfw-flow-nat-ip>
          sfw-flow-nat-ip
        </sfw-flow-nat-ip>
        <sfw-flow-nat-port>
          sfw-flow-nat-port
        </sfw-flow-nat-port>
        <sfw-flow-translated-ip>
          sfw-flow-translated-ip
        </sfw-flow-translated-ip>
        <sfw-flow-translated-port>
          sfw-flow-translated-port
        </sfw-flow-translated-port>
      </sw-flow-nat-entry>
    </sfw-flow-entry>
  </service-softwire-table>
</software-per-service-set-flow-table>
</service-softwire-table-information>
```

**Description** NAT translation

### <sw-flow-nat-entry>

#### Usage

```
<service-softwire-flow-table-information>
  <software-per-service-set-flow-table>
    <service-softwire-table>
      <sfw-flow-entry>
        <sw-flow-nat-entry>
          <sfw-flow-nat-sw-nat-type>
            sfw-flow-nat-sw-nat-type
          </sfw-flow-nat-sw-nat-type>
          <sfw-flow-nat-ip>
            sfw-flow-nat-ip
          </sfw-flow-nat-ip>
          <sfw-flow-nat-port>
            sfw-flow-nat-port
          </sfw-flow-nat-port>
          <sfw-flow-translated-ip>
            sfw-flow-translated-ip
          </sfw-flow-translated-ip>
          <sfw-flow-translated-port>
            sfw-flow-translated-port
          </sfw-flow-translated-port>
        </sw-flow-nat-entry>
      </sfw-flow-entry>
    </service-softwire-table>
  </software-per-service-set-flow-table>
```

```
</service-softwire-flow-table-information>
```

**Description** NAT translation

### <sw-flow-nat-entry>

#### Usage

```
<service-msp-sess-table-information>
  <msp-per-service-set-sess-table>
    <sfw-flow-entry>
      <sw-flow-nat-entry>
        <sfw-flow-nat-sw-nat-type>
          sfw-flow-nat-sw-nat-type
        </sfw-flow-nat-sw-nat-type>
        <sfw-flow-nat-ip>
          sfw-flow-nat-ip
        </sfw-flow-nat-ip>
        <sfw-flow-nat-port>
          sfw-flow-nat-port
        </sfw-flow-nat-port>
        <sfw-flow-translated-ip>
          sfw-flow-translated-ip
        </sfw-flow-translated-ip>
        <sfw-flow-translated-port>
          sfw-flow-translated-port
        </sfw-flow-translated-port>
      </sw-flow-nat-entry>
    </sfw-flow-entry>
  </msp-per-service-set-sess-table>
</service-msp-sess-table-information>
```

**Description** NAT translation

### <syslog-stats-class>

#### Usage

```
<syslog-stats-class>
  <syslog-stats-class-name>
    syslog-stats-class-name
  </syslog-stats-class-name>
  <syslog-stats-class-sent>
    syslog-stats-class-sent
  </syslog-stats-class-sent>
  <syslog-stats-class-dropped>
    syslog-stats-class-dropped
  </syslog-stats-class-dropped>
  <syslog-stats-class-dropped-low-priority>
    syslog-stats-class-dropped-low-priority
  </syslog-stats-class-dropped-low-priority>
  <syslog-stats-class-dropped-no-class-set>
    syslog-stats-class-dropped-no-class-set
  </syslog-stats-class-dropped-no-class-set>
```

```
<syslog-stats-class-dropped-above-rate-limit>
  syslog-stats-class-dropped-above-rate-limit
</syslog-stats-class-dropped-above-rate-limit>
</syslog-stats-class>
```

#### Description

### <syslog-stats-global>

#### Usage

```
<syslog-stats-global>
  <syslog-stats-global-rate-limit>
    syslog-stats-global-rate-limit
  </syslog-stats-global-rate-limit>
  <syslog-stats-global-sent>
    syslog-stats-global-sent
  </syslog-stats-global-sent>
  <syslog-stats-global-dropped>
    syslog-stats-global-dropped
  </syslog-stats-global-dropped>
</syslog-stats-global>
```

#### Description

### <syslog-stats-interface>

#### Usage

```
<syslog-stats-interface>
  <syslog-stats-interface-name>
    syslog-stats-interface-name
  </syslog-stats-interface-name>
</syslog-stats-interface>
```

#### Description

### <syslog-stats-service-set>

#### Usage

```
<syslog-stats-service-set>
  <syslog-stats-svc-set-name>
    syslog-stats-svc-set-name
  </syslog-stats-svc-set-name>
  <syslog-stats-svc-set-sent>
    syslog-stats-svc-set-sent
  </syslog-stats-svc-set-sent>
  <syslog-stats-svc-set-dropped>
    syslog-stats-svc-set-dropped
  </syslog-stats-svc-set-dropped>
</syslog-stats-service-set>
```

#### Description

## &lt;tcp-error-counters&gt;

## Usage

```

<sfw-stats-service-set-entry>
  <tcp-error-counters>
    <tcp-header-length-error>
      tcp-header-length-error
    </tcp-header-length-error>
    <tcp-zero-port>
      tcp-zero-port
    </tcp-zero-port>
    <illegal-sequence-number-flags>
      illegal-sequence-number-flags
    </illegal-sequence-number-flags>
    <syn-attack>
      syn-attack
    </syn-attack>
    <non-syn-first-packet>
      non-syn-first-packet
    </non-syn-first-packet>
    <tcp-port-scan>
      tcp-port-scan
    </tcp-port-scan>
    <bad-syn-cookie-response>
      bad-syn-cookie-response
    </bad-syn-cookie-response>
    <tcp-recon-sequence-number-error>
      tcp-recon-sequence-number-error
    </tcp-recon-sequence-number-error>
    <tcp-recon-retransmits>
      tcp-recon-retransmits
    </tcp-recon-retransmits>
    <tcp-partially-opened-connection-timeout-syn-rcvd>
      tcp-partially-opened-connection-timeout-syn-rcvd
    </tcp-partially-opened-connection-timeout-syn-rcvd>
    <tcp-partially-opened-connection-timeout-syn-ack-rcvd>
      tcp-partially-opened-connection-timeout-syn-ack-rcvd
    </tcp-partially-opened-connection-timeout-syn-ack-rcvd>
    <tcp-partially-closed-connection-reuse>
      tcp-partially-closed-connection-reuse
    </tcp-partially-closed-connection-reuse>
    <tcp-3way-error-client-sent-syn-ack>
      tcp-3way-error-client-sent-syn-ack
    </tcp-3way-error-client-sent-syn-ack>
    <tcp-3way-error-server-sent-ack>
      tcp-3way-error-server-sent-ack
    </tcp-3way-error-server-sent-ack>
    <tcp-3way-error-syn-seq-num-retrans-mismatch>
      tcp-3way-error-syn-seq-num-retrans-mismatch
    </tcp-3way-error-syn-seq-num-retrans-mismatch>
    <tcp-3way-error-rst-seq-num-mismatch>
      tcp-3way-error-rst-seq-num-mismatch
    </tcp-3way-error-rst-seq-num-mismatch>
    <tcp-3way-error-fin-received>
      tcp-3way-error-fin-received

```

```
</tcp-3way-error-fin-received>
<tcp-3way-error-invalid-flags>
  tcp-3way-error-invalid-flags
</tcp-3way-error-invalid-flags>
<tcp-3way-error-syn-no-flow-initiator>
  tcp-3way-error-syn-no-flow-initiator
</tcp-3way-error-syn-no-flow-initiator>
<tcp-3way-error-first-packet-syn-ack>
  tcp-3way-error-first-packet-syn-ack
</tcp-3way-error-first-packet-syn-ack>
<tcp-3way-error-first-packet-fin-ack>
  tcp-3way-error-first-packet-fin-ack
</tcp-3way-error-first-packet-fin-ack>
<tcp-3way-error-first-packet-fin>
  tcp-3way-error-first-packet-fin
</tcp-3way-error-first-packet-fin>
<tcp-3way-error-first-packet-rst>
  tcp-3way-error-first-packet-rst
</tcp-3way-error-first-packet-rst>
<tcp-3way-error-first-packet-ack>
  tcp-3way-error-first-packet-ack
</tcp-3way-error-first-packet-ack>
<tcp-3way-error-first-packet-invalid-flags>
  tcp-3way-error-first-packet-invalid-flags
</tcp-3way-error-first-packet-invalid-flags>
<tcp-close-error-no-final-ack>
  tcp-close-error-no-final-ack
</tcp-close-error-no-final-ack>
<tcp-resumed-flow>
  tcp-resumed-flow
</tcp-resumed-flow>
</tcp-error-counters>
</sfw-stats-service-set-entry>
```

**Description** Extensive output of TCP processing errors

### <tcp-error-counters>

#### Usage

```
<service-sfw-statistics-information>
<service-sfw-statistics-entry>
<sfw-stats-service-set-entry>
  <tcp-error-counters>
    <tcp-header-length-error>
      tcp-header-length-error
    </tcp-header-length-error>
    <tcp-zero-port>
      tcp-zero-port
    </tcp-zero-port>
    <illegal-sequence-number-flags>
      illegal-sequence-number-flags
    </illegal-sequence-number-flags>
    <syn-attack>
      syn-attack
```

```

</syn-attack>
<non-syn-first-packet>
  non-syn-first-packet
</non-syn-first-packet>
<tcp-port-scan>
  tcp-port-scan
</tcp-port-scan>
<bad-syn-cookie-response>
  bad-syn-cookie-response
</bad-syn-cookie-response>
<tcp-recon-sequence-number-error>
  tcp-recon-sequence-number-error
</tcp-recon-sequence-number-error>
<tcp-recon-retransmits>
  tcp-recon-retransmits
</tcp-recon-retransmits>
<tcp-partially-opened-connection-timeout-syn-rcvd>
  tcp-partially-opened-connection-timeout-syn-rcvd
</tcp-partially-opened-connection-timeout-syn-rcvd>
<tcp-partially-opened-connection-timeout-syn-ack-rcvd>
  tcp-partially-opened-connection-timeout-syn-ack-rcvd
</tcp-partially-opened-connection-timeout-syn-ack-rcvd>
<tcp-partially-closed-connection-reuse>
  tcp-partially-closed-connection-reuse
</tcp-partially-closed-connection-reuse>
<tcp-3way-error-client-sent-syn-ack>
  tcp-3way-error-client-sent-syn-ack
</tcp-3way-error-client-sent-syn-ack>
<tcp-3way-error-server-sent-ack>
  tcp-3way-error-server-sent-ack
</tcp-3way-error-server-sent-ack>
<tcp-3way-error-syn-seq-num-retrans-mismatch>
  tcp-3way-error-syn-seq-num-retrans-mismatch
</tcp-3way-error-syn-seq-num-retrans-mismatch>
<tcp-3way-error-rst-seq-num-mismatch>
  tcp-3way-error-rst-seq-num-mismatch
</tcp-3way-error-rst-seq-num-mismatch>
<tcp-3way-error-fin-received>
  tcp-3way-error-fin-received
</tcp-3way-error-fin-received>
<tcp-3way-error-invalid-flags>
  tcp-3way-error-invalid-flags
</tcp-3way-error-invalid-flags>
<tcp-3way-error-syn-no-flow-initiator>
  tcp-3way-error-syn-no-flow-initiator
</tcp-3way-error-syn-no-flow-initiator>
<tcp-3way-error-first-packet-syn-ack>
  tcp-3way-error-first-packet-syn-ack
</tcp-3way-error-first-packet-syn-ack>
<tcp-3way-error-first-packet-fin-ack>
  tcp-3way-error-first-packet-fin-ack
</tcp-3way-error-first-packet-fin-ack>
<tcp-3way-error-first-packet-fin>
  tcp-3way-error-first-packet-fin
</tcp-3way-error-first-packet-fin>
<tcp-3way-error-first-packet-rst>

```

```
    tcp-3way-error-first-packet-rst
  </tcp-3way-error-first-packet-rst>
  <tcp-3way-error-first-packet-ack>
    tcp-3way-error-first-packet-ack
  </tcp-3way-error-first-packet-ack>
  <tcp-3way-error-first-packet-invalid-flags>
    tcp-3way-error-first-packet-invalid-flags
  </tcp-3way-error-first-packet-invalid-flags>
  <tcp-close-error-no-final-ack>
    tcp-close-error-no-final-ack
  </tcp-close-error-no-final-ack>
  <tcp-resumed-flow>
    tcp-resumed-flow
  </tcp-resumed-flow>
</tcp-error-counters>
</sfw-stats-service-set-entry>
</service-sfw-statistics-entry>
</service-sfw-statistics-information>
```

**Description** Extensive output of TCP processing errors

### <total-counters>

#### Usage

```
<sfw-stats-service-set-entry>
  <sip-alg-counters>
    <total-counters>
      <total-messages>
        total-messages
      </total-messages>
      <call-segments>
        call-segments
      </call-segments>
    </total-counters>
  </sip-alg-counters>
</sfw-stats-service-set-entry>
```

**Description** Total statistics

### <total-counters>

#### Usage

```
<service-sfw-statistics-information>
  <service-sfw-statistics-entry>
    <sfw-stats-service-set-entry>
      <sip-alg-counters>
        <total-counters>
          <total-messages>
            total-messages
          </total-messages>
          <call-segments>
            call-segments
          </call-segments>
        </total-counters>
      </sip-alg-counters>
    </sfw-stats-service-set-entry>
  </service-sfw-statistics-entry>
</service-sfw-statistics-information>
```



```

        </call-segments>
      </total-counters>
    </sip-alg-counters>
  </sfw-stats-service-set-entry>
</service-sfw-statistics-entry>
</service-sfw-statistics-information>

```

**Description** Total statistics

### <udp-error-counters>

#### Usage

```

<sfw-stats-service-set-entry>
  <udp-error-counters>
    <udp-header-length-error>
      udp-header-length-error
    </udp-header-length-error>
    <udp-zero-port>
      udp-zero-port
    </udp-zero-port>
    <udp-port-scan>
      udp-port-scan
    </udp-port-scan>
  </udp-error-counters>
</sfw-stats-service-set-entry>

```

**Description** Extensive output of UDP processing errors

### <udp-error-counters>

#### Usage

```

<service-sfw-statistics-information>
  <service-sfw-statistics-entry>
    <sfw-stats-service-set-entry>
      <udp-error-counters>
        <udp-header-length-error>
          udp-header-length-error
        </udp-header-length-error>
        <udp-zero-port>
          udp-zero-port
        </udp-zero-port>
        <udp-port-scan>
          udp-port-scan
        </udp-port-scan>
      </udp-error-counters>
    </sfw-stats-service-set-entry>
  </service-sfw-statistics-entry>
</service-sfw-statistics-information>

```

**Description** Extensive output of UDP processing errors

## <uri-redirect-set-statistics>

### Usage

```
<uri-redirect-set-statistics>
  <uri-redirect-set-name>
    uri-redirect-set-name
  </uri-redirect-set-name>
  <cause-roaming>
    cause-roaming
  </cause-roaming>
  <cause-time-of-day>
    cause-time-of-day
  </cause-time-of-day>
  <cause-quality-of-service>
    cause-quality-of-service
  </cause-quality-of-service>
  <cause-volume-expired>
    cause-volume-expired
  </cause-volume-expired>
  <cause-cost-warning>
    cause-cost-warning
  </cause-cost-warning>
  <cause-not-allowed>
    cause-not-allowed
  </cause-not-allowed>
  <cause-unsubscribed>
    cause-unsubscribed
  </cause-unsubscribed>
  <cause-credit-expiry>
    cause-credit-expiry
  </cause-credit-expiry>
  <cause-unknown>
    cause-unknown
  </cause-unknown>
  <cause-default>
    cause-default
  </cause-default>
</uri-redirect-set-statistics>
```

**Description** Statistics for the URI redirect sets

## <uri-redirect-set-statistics>

### Usage

```
<uri-redirect-set-statistics-information>
  <uri-redirect-set-statistics>
    <uri-redirect-set-name>
      uri-redirect-set-name
    </uri-redirect-set-name>
    <cause-roaming>
      cause-roaming
    </cause-roaming>
    <cause-time-of-day>
```

```

    cause-time-of-day
  </cause-time-of-day>
  <cause-quality-of-service>
    cause-quality-of-service
  </cause-quality-of-service>
  <cause-volume-expired>
    cause-volume-expired
  </cause-volume-expired>
  <cause-cost-warning>
    cause-cost-warning
  </cause-cost-warning>
  <cause-not-allowed>
    cause-not-allowed
  </cause-not-allowed>
  <cause-unsubscribed>
    cause-unsubscribed
  </cause-unsubscribed>
  <cause-credit-expiry>
    cause-credit-expiry
  </cause-credit-expiry>
  <cause-unknown>
    cause-unknown
  </cause-unknown>
  <cause-default>
    cause-default
  </cause-default>
</uri-redirect-set-statistics>
</uri-redirect-set-statistics-information>

```

**Description** Statistics for the URI redirect sets

### <uri-redirect-set-statistics-information>

#### Usage

```

<uri-redirect-set-statistics-information>
  <interface-name>
    interface-name
  </interface-name>
  <interfaces>
    interfaces
  </interfaces>
  <uri-redirect-set-statistics>....</uri-redirect-set-statistics>
</uri-redirect-set-statistics-information>

```

#### Description

### <usage-counters-entry>

#### Usage

```

<usage-counters-entry>
  <contexts-number>
    contexts-number
  </contexts-number>

```

```
<emergency-contexts-number>
  emergency-contexts-number
</emergency-contexts-number>
</usage-counters-entry>
```

#### Description

### <usage-counters-entry>

#### Usage

```
<service-pgcp-statistics-gateway>
  <usage-counters-entry>
    <contexts-number>
      contexts-number
    </contexts-number>
    <emergency-contexts-number>
      emergency-contexts-number
    </emergency-contexts-number>
  </usage-counters-entry>
</service-pgcp-statistics-gateway>
```

#### Description

### <virtual-interface-entry>

#### Usage

```
<pgcpd-active-configuration>
  <virtual-interface-entry>
    <virtual-interface-name>
      virtual-interface-name
    </virtual-interface-name>
    <routing-instance>
      routing-instance
    </routing-instance>
    <interface-name>
      interface-name
    </interface-name>
    <vif-service-state>
      vif-service-state
    </vif-service-state>
    <media-service-ref-entry>....</media-service-ref-entry>
  </virtual-interface-entry>
</pgcpd-active-configuration>
```

#### Description

### <virtual-interface-entry>

#### Usage

```
<pgcpd-active-configuration>
  <pgcpd-config>
    <virtual-interface-entry>
      <virtual-interface-name>
```

```

        virtual-interface-name
      </virtual-interface-name>
    <routing-instance>
      routing-instance
    </routing-instance>
    <interface-name>
      interface-name
    </interface-name>
    <vif-service-state>
      vif-service-state
    </vif-service-state>
    <media-service-ref-entry>....</media-service-ref-entry>
  </virtual-interface-entry>
</pgcpd-config>
</pgcpd-active-configuration>

```

#### Description

### Summary of Alarm Response Tags

#### <alarm-detail>

##### Usage

```

<alarm-information>
  <alarm-detail>
    <alarm-time>
      alarm-time
    </alarm-time>
    <alarm-class>
      alarm-class
    </alarm-class>
    <alarm-description>
      alarm-description
    </alarm-description>
    <alarm-short-description>
      alarm-short-description
    </alarm-short-description>
    <alarm-type>
      alarm-type
    </alarm-type>
  </alarm-detail>
</alarm-information>

```

**Description** Detailed information about an active alarm

#### <alarm-detail>

##### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <alarm-information>
      <alarm-detail>
        <alarm-time>

```

```
        alarm-time
      </alarm-time>
    <alarm-class>
      alarm-class
    </alarm-class>
    <alarm-description>
      alarm-description
    </alarm-description>
    <alarm-short-description>
      alarm-short-description
    </alarm-short-description>
    <alarm-type>
      alarm-type
    </alarm-type>
  </alarm-detail>
</alarm-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description** Detailed information about an active alarm

### <alarm-id-information>

#### Usage

```
<alarm-id-information>
  <alarm-id>
    alarm-id
  </alarm-id>
</alarm-id-information>
```

**Description** Alarm identification information

### <alarm-information>

#### Usage

```
<alarm-information>
  <alarm-summary>....</alarm-summary>
  <alarm-detail>....</alarm-detail>
</alarm-information>
```

**Description** Information about all active alarms

### <alarm-information>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <alarm-information>
      <alarm-summary>....</alarm-summary>
      <alarm-detail>....</alarm-detail>
    </alarm-information>
```

```

    </multi-routing-engine-item>
  </multi-routing-engine-results>

```

**Description** Information about all active alarms

### <alarm-summary>

#### Usage

```

    <alarm-information>
      <alarm-summary>
        <active-alarm-count>
          active-alarm-count
        </active-alarm-count>
        <no-active-alarms>
          no-active-alarms
        </no-active-alarms>
      </alarm-summary>
    </alarm-information>

```

**Description** Number of alarms currently active

### <alarm-summary>

#### Usage

```

    <multi-routing-engine-results>
      <multi-routing-engine-item>
        <alarm-information>
          <alarm-summary>
            <active-alarm-count>
              active-alarm-count
            </active-alarm-count>
            <no-active-alarms>
              no-active-alarms
            </no-active-alarms>
          </alarm-summary>
        </alarm-information>
      </multi-routing-engine-item>
    </multi-routing-engine-results>

```

**Description** Number of alarms currently active

### <multi-routing-engine-item>

#### Usage

```

    <multi-routing-engine-results>
      <multi-routing-engine-item>
        <re-name>
          re-name
        </re-name>
        <alarm-information>....</alarm-information>
      </multi-routing-engine-item>

```

</multi-routing-engine-results>

**Description** Information about the active alarms on one Routing Engine on a platform with multiple Routing Engines

### <multi-routing-engine-results>

**Usage**

```
<multi-routing-engine-results>
  <multi-routing-engine-item>....</multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description** Information about alarms on one or more Routing Engines on a platform with multiple Routing Engines

---

## Summary of ANCP Response Tags

### <ancp-aid-entry>

**Usage**

```
<ancp-aid-information>
  <ancp-aid-entry>
    <if-type>
      if-type
    </if-type>
    <record-number>
      record-number
    </record-number>
    <if-name>
      if-name
    </if-name>
    <aid-name>
      aid-name
    </aid-name>
    <aid-ipaddress>
      aid-ipaddress
    </aid-ipaddress>
    <kernel-exist>
      kernel-exist
    </kernel-exist>
    <config-exist>
      config-exist
    </config-exist>
  </ancp-aid-entry>
</ancp-aid-information>
```

**Description**



**<ancp-aid-information>****Usage**

```
<ancp-aid-information>
  <ancp-aid-entry>....</ancp-aid-entry>
</ancp-aid-information>
```

**Description****<ancp-config-entry>****Usage**

```
<ancp-config-information>
  <ancp-config-entry>
    <if-type>
      if-type
    </if-type>
    <record-number>
      record-number
    </record-number>
    <if-name>
      if-name
    </if-name>
    <aid-name>
      aid-name
    </aid-name>
    <aid-ipaddress>
      aid-ipaddress
    </aid-ipaddress>
  </ancp-config-entry>
</ancp-config-information>
```

**Description****<ancp-config-information>****Usage**

```
<ancp-config-information>
  <ancp-scalar-entry>....</ancp-scalar-entry>
  <ancp-config-entry>....</ancp-config-entry>
</ancp-config-information>
```

**Description****<ancp-cos-entry>****Usage**

```
<ancp-cos-information>
  <ancp-cos-entry>
    <interface-type>
      interface-type
    </interface-type>
```

```
<interface-name>
  interface-name
</interface-name>
<interface-index>
  interface-index
</interface-index>
<shaping-rate>
  shaping-rate
</shaping-rate>
<last-update>
  last-update
</last-update>
</ancp-cos-entry>
</ancp-cos-information>
```

#### Description

### <ancp-cos-heading>

#### Usage

```
<ancp-cos-information>
  <ancp-cos-heading>
    <qos-adjust>
      qos-adjust
    </qos-adjust>
    <cos-state>
      cos-state
    </cos-state>
    <connect-time>
      connect-time
    </connect-time>
    <session-time>
      session-time
    </session-time>
    <rtcreate-time>
      rtcreate-time
    </rtcreate-time>
    <keepalive-time>
      keepalive-time
    </keepalive-time>
    <rate-update-time>
      rate-update-time
    </rate-update-time>
    <keepalive-timer>
      keepalive-timer
    </keepalive-timer>
  </ancp-cos-heading>
</ancp-cos-information>
```

#### Description

## <anccp-cos-information>

### Usage

```
<anccp-cos-information>
  <anccp-cos-heading>....</anccp-cos-heading>
  <anccp-cos-entry>....</anccp-cos-entry>
</anccp-cos-information>
```

### Description

## <anccp-kernel-entry>

### Usage

```
<anccp-kernel-information>
  <anccp-kernel-entry>
    <if-type>
      if-type
    </if-type>
    <record-number>
      record-number
    </record-number>
    <if-name>
      if-name
    </if-name>
    <if-index>
      if-index
    </if-index>
    <aid-name>
      aid-name
    </aid-name>
    <aid-ipaddress>
      aid-ipaddress
    </aid-ipaddress>
  </anccp-kernel-entry>
</anccp-kernel-information>
```

### Description

## <anccp-kernel-information>

### Usage

```
<anccp-kernel-information>
  <anccp-kernel-entry>....</anccp-kernel-entry>
</anccp-kernel-information>
```

### Description

## <anccp-neighbor>

### Usage

```
<anccp-neighbor>
  <received-syn-count>
```

```
    received-syn-count
  </received-syn-count>
  <received-synack-count>
    received-synack-count
  </received-synack-count>
  <received-ack-count>
    received-ack-count
  </received-ack-count>
  <received-rstack-count>
    received-rstack-count
  </received-rstack-count>
  <received-port-up-count>
    received-port-up-count
  </received-port-up-count>
  <received-port-down-count>
    received-port-down-count
  </received-port-down-count>
  <received-other-count>
    received-other-count
  </received-other-count>
  <sent-syn-count>
    sent-syn-count
  </sent-syn-count>
  <sent-synack-count>
    sent-synack-count
  </sent-synack-count>
  <sent-ack-count>
    sent-ack-count
  </sent-ack-count>
  <sent-rstack-count>
    sent-rstack-count
  </sent-rstack-count>
  <max-discovery-limit-exceed-count>
    max-discovery-limit-exceed-count
  </max-discovery-limit-exceed-count>
  <ip-address>
    ip-address
  </ip-address>
  <tcp-port>
    tcp-port
  </tcp-port>
  <up-time>
    up-time
  </up-time>
  <mac-address>
    mac-address
  </mac-address>
  <state>
    state
  </state>
  <neighbor-subscriber-count>
    neighbor-subscriber-count
  </neighbor-subscriber-count>
  <system-instance>
    system-instance
  </system-instance>
```

```

<peer-instance>
  peer-instance
</peer-instance>
<capabilities>
  capabilities
</capabilities>
<adjacency-time>
  adjacency-time
</adjacency-time>
<peer-adjacency-time>
  peer-adjacency-time
</peer-adjacency-time>
<partition-type>
  partition-type
</partition-type>
<partition-flag>
  partition-flag
</partition-flag>
<partition-identifier>
  partition-identifier
</partition-identifier>
<dead-time>
  dead-time
</dead-time>
</ancp-neighbor>

```

**Description** Information about a single ANCP neighbor

## <ancp-neighbor>

### Usage

```

<ancp-neighbor-information>
  <ancp-neighbor>
    <received-syn-count>
      received-syn-count
    </received-syn-count>
    <received-synack-count>
      received-synack-count
    </received-synack-count>
    <received-ack-count>
      received-ack-count
    </received-ack-count>
    <received-rstack-count>
      received-rstack-count
    </received-rstack-count>
    <received-port-up-count>
      received-port-up-count
    </received-port-up-count>
    <received-port-down-count>
      received-port-down-count
    </received-port-down-count>
    <received-other-count>
      received-other-count
    </received-other-count>
  </ancp-neighbor>
</ancp-neighbor-information>

```

```
<sent-syn-count>
  sent-syn-count
</sent-syn-count>
<sent-synack-count>
  sent-synack-count
</sent-synack-count>
<sent-ack-count>
  sent-ack-count
</sent-ack-count>
<sent-rstack-count>
  sent-rstack-count
</sent-rstack-count>
<max-discovery-limit-exceed-count>
  max-discovery-limit-exceed-count
</max-discovery-limit-exceed-count>
<ip-address>
  ip-address
</ip-address>
<tcp-port>
  tcp-port
</tcp-port>
<up-time>
  up-time
</up-time>
<mac-address>
  mac-address
</mac-address>
<state>
  state
</state>
<neighbor-subscriber-count>
  neighbor-subscriber-count
</neighbor-subscriber-count>
<system-instance>
  system-instance
</system-instance>
<peer-instance>
  peer-instance
</peer-instance>
<capabilities>
  capabilities
</capabilities>
<adjacency-time>
  adjacency-time
</adjacency-time>
<peer-adjacency-time>
  peer-adjacency-time
</peer-adjacency-time>
<partition-type>
  partition-type
</partition-type>
<partition-flag>
  partition-flag
</partition-flag>
<partition-identifier>
  partition-identifier
```

```

</partition-identifier>
<dead-time>
  dead-time
</dead-time>
</ancp-neighbor>
</ancp-neighbor-information>

```

**Description** Information about a single ANCP neighbor

## <ancp-neighbor>

### Usage

```

<ancp-subscriber-information>
  <ancp-neighbor>
    <received-syn-count>
      received-syn-count
    </received-syn-count>
    <received-synack-count>
      received-synack-count
    </received-synack-count>
    <received-ack-count>
      received-ack-count
    </received-ack-count>
    <received-rstack-count>
      received-rstack-count
    </received-rstack-count>
    <received-port-up-count>
      received-port-up-count
    </received-port-up-count>
    <received-port-down-count>
      received-port-down-count
    </received-port-down-count>
    <received-other-count>
      received-other-count
    </received-other-count>
    <sent-syn-count>
      sent-syn-count
    </sent-syn-count>
    <sent-synack-count>
      sent-synack-count
    </sent-synack-count>
    <sent-ack-count>
      sent-ack-count
    </sent-ack-count>
    <sent-rstack-count>
      sent-rstack-count
    </sent-rstack-count>
    <max-discovery-limit-exceed-count>
      max-discovery-limit-exceed-count
    </max-discovery-limit-exceed-count>
    <ip-address>
      ip-address
    </ip-address>
    <tcp-port>

```

```
    tcp-port
  </tcp-port>
  <up-time>
    up-time
  </up-time>
  <mac-address>
    mac-address
  </mac-address>
  <state>
    state
  </state>
  <neighbor-subscriber-count>
    neighbor-subscriber-count
  </neighbor-subscriber-count>
  <system-instance>
    system-instance
  </system-instance>
  <peer-instance>
    peer-instance
  </peer-instance>
  <capabilities>
    capabilities
  </capabilities>
  <adjacency-time>
    adjacency-time
  </adjacency-time>
  <peer-adjacency-time>
    peer-adjacency-time
  </peer-adjacency-time>
  <partition-type>
    partition-type
  </partition-type>
  <partition-flag>
    partition-flag
  </partition-flag>
  <partition-identifier>
    partition-identifier
  </partition-identifier>
  <dead-time>
    dead-time
  </dead-time>
</ancp-neighbor>
</ancp-subscriber-information>
```

**Description** Information about a single ANCP neighbor

### <ancp-neighbor-configuration-entry>

#### Usage

```
<ancp-neighbor-configuration-information>
  <ancp-neighbor-configuration-entry>
    <record-number>
      record-number
    </record-number>
```



```

<ancp-neighbor-ip>
  ancp-neighbor-ip
</ancp-neighbor-ip>
<ancp-neighbor-discovery-mode>
  ancp-neighbor-discovery-mode
</ancp-neighbor-discovery-mode>
<ancp-neighbor-ietf-mode>
  ancp-neighbor-ietf-mode
</ancp-neighbor-ietf-mode>
<ancp-neighbor-adjacency-timer>
  ancp-neighbor-adjacency-timer
</ancp-neighbor-adjacency-timer>
<ancp-neighbor-maximum-discovery-entries>
  ancp-neighbor-maximum-discovery-entries
</ancp-neighbor-maximum-discovery-entries>
</ancp-neighbor-configuration-entry>
</ancp-neighbor-configuration-information>

```

#### Description

### <ancp-neighbor-configuration-information>

#### Usage

```

<ancp-neighbor-configuration-information>
  <ancp-neighbor-configuration-entry>....</ancp-neighbor-configuration-entry>
</ancp-neighbor-configuration-information>

```

#### Description

### <ancp-neighbor-information>

#### Usage

```

<ancp-neighbor-information>
  <ancp-neighbor>....</ancp-neighbor>
</ancp-neighbor-information>

```

#### Description

### <ancp-scalar-entry>

#### Usage

```

<ancp-config-information>
  <ancp-scalar-entry>
    <qos-adjust>
      qos-adjust
    </qos-adjust>
    <ietf-mode>
      ietf-mode
    </ietf-mode>
    <adjacency-timer>
      adjacency-timer
    </adjacency-timer>
    <maximum-discovery-entries-neighbor>

```

```
        maximum-discovery-entries-neighbor
      </maximum-discovery-entries-neighbor>
    </anccp-scalar-entry>
  </anccp-config-information>
```

## Description

### <anccp-statistics-information>

#### Usage

```
<anccp-statistics-information>
  <neighbor-count>
    neighbor-count
  </neighbor-count>
  <subscriber-count>
    subscriber-count
  </subscriber-count>
  <received-syn-count>
    received-syn-count
  </received-syn-count>
  <received-synack-count>
    received-synack-count
  </received-synack-count>
  <received-ack-count>
    received-ack-count
  </received-ack-count>
  <received-rstack-count>
    received-rstack-count
  </received-rstack-count>
  <received-port-up-count>
    received-port-up-count
  </received-port-up-count>
  <received-port-down-count>
    received-port-down-count
  </received-port-down-count>
  <received-other-count>
    received-other-count
  </received-other-count>
  <sent-syn-count>
    sent-syn-count
  </sent-syn-count>
  <sent-synack-count>
    sent-synack-count
  </sent-synack-count>
  <sent-ack-count>
    sent-ack-count
  </sent-ack-count>
  <sent-rstack-count>
    sent-rstack-count
  </sent-rstack-count>
  <accept-count>
    accept-count
  </accept-count>
  <accept-fail-count>
    accept-fail-count
```

```

</accept-fail-count>
<accept-config-deny-count>
  accept-config-deny-count
</accept-config-deny-count>
</anccp-statistics-information>

```

## Description

### <anccp-subscriber>

#### Usage

```

<anccp-subscriber>
  <access-loop-identifier>
    access-loop-identifier
  </access-loop-identifier>
  <access-loop-remote-identifier>
    access-loop-remote-identifier
  </access-loop-remote-identifier>
  <interface>
    interface
  </interface>
  <interface-type>
    interface-type
  </interface-type>
  <access-aggregate-circuit-identifier>
    access-aggregate-circuit-identifier
  </access-aggregate-circuit-identifier>
  <access-aggregate-circuit-binary-identifier>
    access-aggregate-circuit-binary-identifier
  </access-aggregate-circuit-binary-identifier>
  <dsl-type>
    dsl-type
  </dsl-type>
  <actual-net-data-upstream>
    actual-net-data-upstream
  </actual-net-data-upstream>
  <actual-net-data-downstream>
    actual-net-data-downstream
  </actual-net-data-downstream>
  <minimum-net-data-upstream>
    minimum-net-data-upstream
  </minimum-net-data-upstream>
  <minimum-net-data-downstream>
    minimum-net-data-downstream
  </minimum-net-data-downstream>
  <maximum-net-data-upstream>
    maximum-net-data-upstream
  </maximum-net-data-upstream>
  <maximum-net-data-downstream>
    maximum-net-data-downstream
  </maximum-net-data-downstream>
  <attainable-net-data-upstream>
    attainable-net-data-upstream
  </attainable-net-data-upstream>
  <attainable-net-data-downstream>

```

```
    attainable-net-data-downstream
  </attainable-net-data-downstream>
  <neighbor-ip-address>
    neighbor-ip-address
  </neighbor-ip-address>
  <minimum-low-power-data-upstream>
    minimum-low-power-data-upstream
  </minimum-low-power-data-upstream>
  <minimum-low-power-data-downstream>
    minimum-low-power-data-downstream
  </minimum-low-power-data-downstream>
  <maximum-interleave-delay-downstream>
    maximum-interleave-delay-downstream
  </maximum-interleave-delay-downstream>
  <maximum-interleave-delay-upstream>
    maximum-interleave-delay-upstream
  </maximum-interleave-delay-upstream>
  <actual-interleave-delay-downstream>
    actual-interleave-delay-downstream
  </actual-interleave-delay-downstream>
  <actual-interleave-delay-upstream>
    actual-interleave-delay-upstream
  </actual-interleave-delay-upstream>
  <dsl-line-state>
    dsl-line-state
  </dsl-line-state>
  <dsl-line-data-link>
    dsl-line-data-link
  </dsl-line-data-link>
  <dsl-line-encapsulation>
    dsl-line-encapsulation
  </dsl-line-encapsulation>
  <dsl-line-encapsulation-payload>
    dsl-line-encapsulation-payload
  </dsl-line-encapsulation-payload>
</ancp-subscriber>
```

**Description** Information about a single ANCP subscriber

## <ancp-subscriber>

### Usage

```
<ancp-subscriber-information>
  <ancp-subscriber>
    <access-loop-identifier>
      access-loop-identifier
    </access-loop-identifier>
    <access-loop-remote-identifier>
      access-loop-remote-identifier
    </access-loop-remote-identifier>
    <interface>
      interface
    </interface>
    <interface-type>
```

```
    interface-type
  </interface-type>
  <access-aggregate-circuit-identifier>
    access-aggregate-circuit-identifier
  </access-aggregate-circuit-identifier>
  <access-aggregate-circuit-binary-identifier>
    access-aggregate-circuit-binary-identifier
  </access-aggregate-circuit-binary-identifier>
  <dsl-type>
    dsl-type
  </dsl-type>
  <actual-net-data-upstream>
    actual-net-data-upstream
  </actual-net-data-upstream>
  <actual-net-data-downstream>
    actual-net-data-downstream
  </actual-net-data-downstream>
  <minimum-net-data-upstream>
    minimum-net-data-upstream
  </minimum-net-data-upstream>
  <minimum-net-data-downstream>
    minimum-net-data-downstream
  </minimum-net-data-downstream>
  <maximum-net-data-upstream>
    maximum-net-data-upstream
  </maximum-net-data-upstream>
  <maximum-net-data-downstream>
    maximum-net-data-downstream
  </maximum-net-data-downstream>
  <attainable-net-data-upstream>
    attainable-net-data-upstream
  </attainable-net-data-upstream>
  <attainable-net-data-downstream>
    attainable-net-data-downstream
  </attainable-net-data-downstream>
  <neighbor-ip-address>
    neighbor-ip-address
  </neighbor-ip-address>
  <minimum-low-power-data-upstream>
    minimum-low-power-data-upstream
  </minimum-low-power-data-upstream>
  <minimum-low-power-data-downstream>
    minimum-low-power-data-downstream
  </minimum-low-power-data-downstream>
  <maximum-interleave-delay-downstream>
    maximum-interleave-delay-downstream
  </maximum-interleave-delay-downstream>
  <maximum-interleave-delay-upstream>
    maximum-interleave-delay-upstream
  </maximum-interleave-delay-upstream>
  <actual-interleave-delay-downstream>
    actual-interleave-delay-downstream
  </actual-interleave-delay-downstream>
  <actual-interleave-delay-upstream>
    actual-interleave-delay-upstream
  </actual-interleave-delay-upstream>
```

```
<dsl-line-state>
  dsl-line-state
</dsl-line-state>
<dsl-line-data-link>
  dsl-line-data-link
</dsl-line-data-link>
<dsl-line-encapsulation>
  dsl-line-encapsulation
</dsl-line-encapsulation>
<dsl-line-encapsulation-payload>
  dsl-line-encapsulation-payload
</dsl-line-encapsulation-payload>
</ancp-subscriber>
</ancp-subscriber-information>
```

**Description** Information about a single ANCP subscriber

### <ancp-subscriber-information>

#### Usage

```
<ancp-subscriber-information>
  <ancp-subscriber>.....</ancp-subscriber>
  <ancp-neighbor>.....</ancp-neighbor>
</ancp-subscriber-information>
```

#### Description

---

## Summary of APPIDD Response Tags

### <appid-application-group-statistics>

#### Usage

```
<appid-application-group-statistics-information>
  <appid-application-group-statistics>
    <application-name>
      application-name
    </application-name>
    <sessions>
      sessions
    </sessions>
    <bytes>
      bytes
    </bytes>
  </appid-application-group-statistics>
</appid-application-group-statistics-information>
```

#### Description

### <appid-application-group-statistics-information>

#### Usage

```
<appid-application-group-statistics-information>
```

```

<last-reset-group-stats>....</last-reset-group-stats>
<appid-application-group-statistics>....</appid-application-group-statistics>
</appid-application-group-statistics-information>

```

#### Description

### <appid-application-signature>

#### Usage

```

<appid-application-signature>
  <application-signature-summary>....</application-signature-summary>
  <application-group-summary>....</application-group-summary>
  <application-signature-detail>....</application-signature-detail>
  <nested-application-signature-detail>....</nested-application-signature-detail>
</appid-application-signature>

```

#### Description

### <appid-application-statistics>

#### Usage

```

<appid-application-statistics-information>
  <appid-application-statistics>
    <application-name>
      application-name
    </application-name>
    <sessions>
      sessions
    </sessions>
    <bytes>
      bytes
    </bytes>
  </appid-application-statistics>
</appid-application-statistics-information>

```

#### Description

### <appid-application-statistics-information>

#### Usage

```

<appid-application-statistics-information>
  <last-reset-stats>....</last-reset-stats>
  <appid-application-statistics>....</appid-application-statistics>
</appid-application-statistics-information>

```

#### Description

### <appid-application-system-cache>

#### Usage

```

<appid-application-system-cache-information>
  <appid-application-system-cache>

```

```
<ip-address>
  ip-address
</ip-address>
<port>
  port
</port>
<protocol>
  protocol
</protocol>
<appid-service>
  appid-service
</appid-service>
<appid-application>
  appid-application
</appid-application>
<cpu-id>
  cpu-id
</cpu-id>
</appid-application-system-cache>
</appid-application-system-cache-information>
```

#### Description

### <appid-application-system-cache-information>

#### Usage

```
<appid-application-system-cache-information>
  <pic>
    pic
  </pic>
  <appid-application-system-cache>.....</appid-application-system-cache>
</appid-application-system-cache-information>
```

#### Description

### <appid-application-system-cache-information-usp>

#### Usage

```
<appid-application-system-cache-information-usp>
  <appid-cache-configuration-usp>.....</appid-cache-configuration-usp>
  <pic>
    pic
  </pic>
  <appid-application-system-cache-usp>.....</appid-application-system-cache-usp>

</appid-application-system-cache-information-usp>
```

#### Description

### <appid-application-system-cache-usp>

#### Usage

```
<appid-application-system-cache-information-usp>
```



```

<appid-application-system-cache-usp>
  <virtual-system-identifier>
    virtual-system-identifier
  </virtual-system-identifier>
  <ip-address>
    ip-address
  </ip-address>
  <ipv6-address>
    ipv6-address
  </ipv6-address>
  <port>
    port
  </port>
  <protocol>
    protocol
  </protocol>
  <index>
    index
  </index>
  <appid-application>
    appid-application
  </appid-application>
  <application-groups>
    application-groups
  </application-groups>
</appid-application-system-cache-usp>
</appid-application-system-cache-information-usp>

```

**Description****<appid-apppack-uninstall>****Usage**

```

<appid-apppack-uninstall>
  <appid-apppack-uninstall-detail>
    appid-apppack-uninstall-detail
  </appid-apppack-uninstall-detail>
</appid-apppack-uninstall>

```

**Description**    Uninstall application package

**<appid-cache-configuration-usp>****Usage**

```

<appid-application-system-cache-information-usp>
  <appid-cache-configuration-usp>
    <appid-asc-enable>
      appid-asc-enable
    </appid-asc-enable>
    <appid-nested-asc-enable>
      appid-nested-asc-enable
    </appid-nested-asc-enable>
    <appid-cache-unknown>

```

```
    appid-cache-unknown
  </appid-cache-unknown>
  <appid-cache-timeout>
    appid-cache-timeout
  </appid-cache-timeout>
</appid-cache-configuration-usp>
</appid-application-system-cache-information-usp>
```

## Description

### <appid-counter>

#### Usage

```
<appid-counter-information>
  <appid-counter>
    <pic>
      pic
    </pic>
    <total-sessions>
      total-sessions
    </total-sessions>
    <total-matched-sessions>
      total-matched-sessions
    </total-matched-sessions>
    <total-unknown-sessions>
      total-unknown-sessions
    </total-unknown-sessions>
    <signature-matched-sessions>
      signature-matched-sessions
    </signature-matched-sessions>
    <uni-signature-matched-sessions>
      uni-signature-matched-sessions
    </uni-signature-matched-sessions>
    <signature-unknown-sessions>
      signature-unknown-sessions
    </signature-unknown-sessions>
    <signature-encrypted-sessions>
      signature-encrypted-sessions
    </signature-encrypted-sessions>
    <signature-p2p-sessions>
      signature-p2p-sessions
    </signature-p2p-sessions>
    <address-matched-sessions>
      address-matched-sessions
    </address-matched-sessions>
    <address-unknown-sessions>
      address-unknown-sessions
    </address-unknown-sessions>
    <port-matched-sessions>
      port-matched-sessions
    </port-matched-sessions>
    <port-unknown-sessions>
      port-unknown-sessions
    </port-unknown-sessions>
    <icmp-matched-sessions>
```

```

    icmp-matched-sessions
  </icmp-matched-sessions>
  <icmp-unknown-sessions>
    icmp-unknown-sessions
  </icmp-unknown-sessions>
  <ip-protocol-matched-sessions>
    ip-protocol-matched-sessions
  </ip-protocol-matched-sessions>
  <ip-protocol-unknown-sessions>
    ip-protocol-unknown-sessions
  </ip-protocol-unknown-sessions>
  <application-system-cache-hit>
    application-system-cache-hit
  </application-system-cache-hit>
  <application-system-cache-miss>
    application-system-cache-miss
  </application-system-cache-miss>
  <protocol-matched-sessions>
    protocol-matched-sessions
  </protocol-matched-sessions>
  <protocol-unknown-sessions>
    protocol-unknown-sessions
  </protocol-unknown-sessions>
</appid-counter>
</appid-counter-information>

```

**Description****<appid-counter-information>****Usage**

```

<appid-counter-information>
  <appid-counter>....</appid-counter>
</appid-counter-information>

```

**Description** Application identification counters**<appid-counter-information-usp>****Usage**

```

<appid-counter-information-usp>
  <pic>
    pic
  </pic>
  <appid-counter-usp>....</appid-counter-usp>
</appid-counter-information-usp>

```

**Description** Application identification counters

## <appid-counter-usp>

### Usage

```
<appid-counter-information-usp>
  <appid-counter-usp>
    <counter-name>
      counter-name
    </counter-name>
    <counter-value>
      counter-value
    </counter-value>
  </appid-counter-usp>
</appid-counter-information-usp>
```

### Description

## <appid-package-version>

### Usage

```
<appid-package-version>
  <version-detail>
    version-detail
  </version-detail>
</appid-package-version>
```

### Description

## <application-group-entry>

### Usage

```
<appid-application-signature>
  <application-group-summary>
    <application-group-entry>
      <application-group-name>
        application-group-name
      </application-group-name>
      <application-group-id>
        application-group-id
      </application-group-id>
      <application-group-parent-list>
        application-group-parent-list
      </application-group-parent-list>
      <application-group-apps-list>
        application-group-apps-list
      </application-group-apps-list>
      <application-group-subgrps-list>
        application-group-subgrps-list
      </application-group-subgrps-list>
    </application-group-entry>
  </application-group-summary>
</appid-application-signature>
```

**Description****<application-group-summary>****Usage**

```

<appid-application-signature>
  <application-group-summary>
    <total-application-groups>
      total-application-groups
    </total-application-groups>
    <application-group-entry>....</application-group-entry>
  </application-group-summary>
</appid-application-signature>

```

**Description**    Application group summary

**<application-signature-detail>****Usage**

```

<appid-application-signature>
  <application-signature-detail>
    <application-name>
      application-name
    </application-name>
    <application-id>
      application-id
    </application-id>
    <application-description>
      application-description
    </application-description>
    <application-disabled>
      application-disabled
    </application-disabled>
    <application-default-ports>
      application-default-ports
    </application-default-ports>
    <signature-port-range>
      signature-port-range
    </signature-port-range>
    <signature-cts-dfa-pattern>
      signature-cts-dfa-pattern
    </signature-cts-dfa-pattern>
    <signature-cts-pcre-pattern>
      signature-cts-pcre-pattern
    </signature-cts-pcre-pattern>
    <signature-stc-dfa-pattern>
      signature-stc-dfa-pattern
    </signature-stc-dfa-pattern>
    <signature-stc-pcre-pattern>
      signature-stc-pcre-pattern
    </signature-stc-pcre-pattern>
    <application-min-data>
      application-min-data
    </application-min-data>
  </application-signature-detail>
</appid-application-signature>

```

```

    <application-order>
      application-order
    </application-order>
  </application-signature-detail>
</appid-application-signature>

```

#### Description

### <application-signature-entry>

#### Usage

```

<appid-application-signature>
  <application-signature-summary>
    <application-signature-list>
      <application-signature-entry>
        <application-name>
          application-name
        </application-name>
        <application-disabled>
          application-disabled
        </application-disabled>
        <application-id>
          application-id
        </application-id>
        <application-order>
          application-order
        </application-order>
      </application-signature-entry>
    </application-signature-list>
  </application-signature-summary>
</appid-application-signature>

```

#### Description

### <application-signature-list>

#### Usage

```

<appid-application-signature>
  <application-signature-summary>
    <application-signature-list>
      <application-signature-entry>....</application-signature-entry>
    </application-signature-list>
  </application-signature-summary>
</appid-application-signature>

```

#### Description

### <application-signature-summary>

#### Usage

```

<appid-application-signature>
  <application-signature-summary>
    <total-applications>

```

```

        total-applications
      </total-applications>
      <total-nested-applications>
        total-nested-applications
      </total-nested-applications>
      <application-signature-list>....</application-signature-list>
    </application-signature-summary>
  </appid-application-signature>

```

**Description** Application signature summary

### <apppack-download-status>

#### Usage

```

<apppack-download-status>
  <apppack-download-status-detail>
    apppack-download-status-detail
  </apppack-download-status-detail>
</apppack-download-status>

```

**Description** Status of application package download

### <last-reset-group-stats>

#### Usage

```

<appid-application-group-statistics-information>
  <last-reset-group-stats>
    <last-reset>
      last-reset
    </last-reset>
    <elapsed-time>
      elapsed-time
    </elapsed-time>
  </last-reset-group-stats>
</appid-application-group-statistics-information>

```

**Description**

### <last-reset-stats>

#### Usage

```

<appid-application-statistics-information>
  <last-reset-stats>
    <last-reset>
      last-reset
    </last-reset>
    <elapsed-time>
      elapsed-time
    </elapsed-time>
  </last-reset-stats>

```

</appid-application-statistics-information>

#### Description

### <nested-application-detail>

#### Usage

```
<appid-application-signature>
  <nested-application-signature-detail>
    <nested-application-detail>
      <application-name>
        application-name
      </application-name>
      <application-id>
        application-id
      </application-id>
      <application-description>
        application-description
      </application-description>
      <application-disabled>
        application-disabled
      </application-disabled>
      <nested-number-signatures>
        nested-number-signatures
      </nested-number-signatures>
    </nested-application-detail>
  </nested-application-signature-detail>
</appid-application-signature>
```

#### Description

### <nested-application-signature-detail>

#### Usage

```
<appid-application-signature>
  <nested-application-signature-detail>
    <nested-application-detail>....</nested-application-detail>
    <nested-signatures-detail>....</nested-signatures-detail>
  </nested-application-signature-detail>
</appid-application-signature>
```

#### Description

### <nested-signature-member>

#### Usage

```
<appid-application-signature>
  <nested-application-signature-detail>
    <nested-signatures-detail>
      <nested-signature-member>
        <nested-signature-member-index>
          nested-signature-member-index
        </nested-signature-member-index>
      </nested-signature-member>
    </nested-signatures-detail>
  </nested-application-signature-detail>
</appid-application-signature>
```



```

<nested-signature-member-context>
  nested-signature-member-context
</nested-signature-member-context>
<nested-signature-member-pattern>
  nested-signature-member-pattern
</nested-signature-member-pattern>
<nested-signature-member-direction>
  nested-signature-member-direction
</nested-signature-member-direction>
</nested-signature-member>
</nested-signatures-detail>
</nested-application-signature-detail>
</appid-application-signature>

```

#### Description

### <nested-signatures-detail>

#### Usage

```

<appid-application-signature>
<nested-application-signature-detail>
  <nested-signatures-detail>
    <nested-signature-name>
      nested-signature-name
    </nested-signature-name>
    <nested-signature-num-members>
      nested-signature-num-members
    </nested-signature-num-members>
    <nested-signature-member>....</nested-signature-member>
    <nested-signature-chain-order>
      nested-signature-chain-order
    </nested-signature-chain-order>
    <nested-signature-max-trans>
      nested-signature-max-trans
    </nested-signature-max-trans>
    <nested-signature-order>
      nested-signature-order
    </nested-signature-order>
    <nested-l7protocol>
      nested-l7protocol
    </nested-l7protocol>
  </nested-signatures-detail>
</nested-application-signature-detail>
</appid-application-signature>

```

#### Description

## Summary of APS Response Tags

### <aps-interface>

#### Usage

```

<aps-interface>
  <aps-interface-name>

```

```
    aps-interface-name
  </aps-interface-name>
  <aps-interface-group>
    aps-interface-group
  </aps-interface-group>
  <aps-interface-circuit-type>
    aps-interface-circuit-type
  </aps-interface-circuit-type>
  <aps-interface-circuit-state>
    aps-interface-circuit-state
  </aps-interface-circuit-state>
  <aps-interface-state>
    aps-interface-state
  </aps-interface-state>
  <aps-neighbor>
    aps-neighbor
  </aps-neighbor>
  <aps-adjacent-state>
    aps-adjacent-state
  </aps-adjacent-state>
  <aps-neighbor-select-state>
    aps-neighbor-select-state
  </aps-neighbor-select-state>
  <aps-time-remaining>
    aps-time-remaining
  </aps-time-remaining>
  <aps-channel-state>
    aps-channel-state
  </aps-channel-state>
  <aps-config-state>
    aps-config-state
  </aps-config-state>
  <aps-config-state-circuit>
    aps-config-state-circuit
  </aps-config-state-circuit>
  <aps-loop-circuit-type>
    aps-loop-circuit-type
  </aps-loop-circuit-type>
  <aps-loop-circuit-name>
    aps-loop-circuit-name
  </aps-loop-circuit-name>
  <aps-pair-interface-name>
    aps-pair-interface-name
  </aps-pair-interface-name>
  <aps-pair-group-name>
    aps-pair-group-name
  </aps-pair-group-name>
  <aps-local-mode>
    aps-local-mode
  </aps-local-mode>
  <aps-neighbor-mode>
    aps-neighbor-mode
  </aps-neighbor-mode>
  <aps-request-k1>
    aps-request-k1
  </aps-request-k1>
```

```
<aps-request-k2>
  aps-request-k2
</aps-request-k2>
<aps-receive-k1>
  aps-receive-k1
</aps-receive-k1>
<aps-transmit-k1>
  aps-transmit-k1
</aps-transmit-k1>
<aps-receive-k2>
  aps-receive-k2
</aps-receive-k2>
<aps-transmit-k2>
  aps-transmit-k2
</aps-transmit-k2>
<aps-neighbor-k1>
  aps-neighbor-k1
</aps-neighbor-k1>
<aps-neighbor-paired-request>
  aps-neighbor-paired-request
</aps-neighbor-paired-request>
<aps-revert-time>
  aps-revert-time
</aps-revert-time>
<aps-wait-to-restore-time>
  aps-wait-to-restore-time
</aps-wait-to-restore-time>
<aps-annex-b>
  aps-annex-b
</aps-annex-b>
<aps-neighbor-revert-time>
  aps-neighbor-revert-time
</aps-neighbor-revert-time>
<aps-neighbor-wait-to-restore-time>
  aps-neighbor-wait-to-restore-time
</aps-neighbor-wait-to-restore-time>
<aps-remaining-revert-time>
  aps-remaining-revert-time
</aps-remaining-revert-time>
<aps-remaining-wait-to-restore-time>
  aps-remaining-wait-to-restore-time
</aps-remaining-wait-to-restore-time>
<aps-remaining-forced-revert-time>
  aps-remaining-forced-revert-time
</aps-remaining-forced-revert-time>
<aps-remaining-hello-timer>
  aps-remaining-hello-timer
</aps-remaining-hello-timer>
<aps-remaining-update-timer>
  aps-remaining-update-timer
</aps-remaining-update-timer>
<aps-remaining-holddown-timer>
  aps-remaining-holddown-timer
</aps-remaining-holddown-timer>
</aps-interface>
```

**Description** Information about an Automatic Protection Switching interface

## <aps-interface>

### Usage

```
<aps-interface-information>
  <aps-interface>
    <aps-interface-name>
      aps-interface-name
    </aps-interface-name>
    <aps-interface-group>
      aps-interface-group
    </aps-interface-group>
    <aps-interface-circuit-type>
      aps-interface-circuit-type
    </aps-interface-circuit-type>
    <aps-interface-circuit-state>
      aps-interface-circuit-state
    </aps-interface-circuit-state>
    <aps-interface-state>
      aps-interface-state
    </aps-interface-state>
    <aps-neighbor>
      aps-neighbor
    </aps-neighbor>
    <aps-adjacent-state>
      aps-adjacent-state
    </aps-adjacent-state>
    <aps-neighbor-select-state>
      aps-neighbor-select-state
    </aps-neighbor-select-state>
    <aps-time-remaining>
      aps-time-remaining
    </aps-time-remaining>
    <aps-channel-state>
      aps-channel-state
    </aps-channel-state>
    <aps-config-state>
      aps-config-state
    </aps-config-state>
    <aps-config-state-circuit>
      aps-config-state-circuit
    </aps-config-state-circuit>
    <aps-loop-circuit-type>
      aps-loop-circuit-type
    </aps-loop-circuit-type>
    <aps-loop-circuit-name>
      aps-loop-circuit-name
    </aps-loop-circuit-name>
    <aps-pair-interface-name>
      aps-pair-interface-name
    </aps-pair-interface-name>
    <aps-pair-group-name>
      aps-pair-group-name
    </aps-pair-group-name>
```

```
<aps-local-mode>
  aps-local-mode
</aps-local-mode>
<aps-neighbor-mode>
  aps-neighbor-mode
</aps-neighbor-mode>
<aps-request-k1>
  aps-request-k1
</aps-request-k1>
<aps-request-k2>
  aps-request-k2
</aps-request-k2>
<aps-receive-k1>
  aps-receive-k1
</aps-receive-k1>
<aps-transmit-k1>
  aps-transmit-k1
</aps-transmit-k1>
<aps-receive-k2>
  aps-receive-k2
</aps-receive-k2>
<aps-transmit-k2>
  aps-transmit-k2
</aps-transmit-k2>
<aps-neighbor-k1>
  aps-neighbor-k1
</aps-neighbor-k1>
<aps-neighbor-paired-request>
  aps-neighbor-paired-request
</aps-neighbor-paired-request>
<aps-revert-time>
  aps-revert-time
</aps-revert-time>
<aps-wait-to-restore-time>
  aps-wait-to-restore-time
</aps-wait-to-restore-time>
<aps-annex-b>
  aps-annex-b
</aps-annex-b>
<aps-neighbor-revert-time>
  aps-neighbor-revert-time
</aps-neighbor-revert-time>
<aps-neighbor-wait-to-restore-time>
  aps-neighbor-wait-to-restore-time
</aps-neighbor-wait-to-restore-time>
<aps-remaining-revert-time>
  aps-remaining-revert-time
</aps-remaining-revert-time>
<aps-remaining-wait-to-restore-time>
  aps-remaining-wait-to-restore-time
</aps-remaining-wait-to-restore-time>
<aps-remaining-forced-revert-time>
  aps-remaining-forced-revert-time
</aps-remaining-forced-revert-time>
<aps-remaining-hello-timer>
  aps-remaining-hello-timer
```

```
</aps-remaining-hello-timer>
<aps-remaining-update-timer>
  aps-remaining-update-timer
</aps-remaining-update-timer>
<aps-remaining-holddown-timer>
  aps-remaining-holddown-timer
</aps-remaining-holddown-timer>
</aps-interface>
</aps-interface-information>
```

**Description** Information about an Automatic Protection Switching interface

### <aps-interface-information>

#### Usage

```
<aps-interface-information>
  <aps-interface>....</aps-interface>
</aps-interface-information>
```

**Description** Information about one or more Automatic Protection Switching interfaces

---

## Summary of ARP Response Tags

### <arp-table-entry>

#### Usage

```
<arp-table-entry>
  <mac-address>
    mac-address
  </mac-address>
  <ip-address>
    ip-address
  </ip-address>
  <hostname>
    hostname
  </hostname>
  <interface-name>
    interface-name
  </interface-name>
  <arp-table-entry-flags>....</arp-table-entry-flags>
  <time-to-expire>
    time-to-expire
  </time-to-expire>
</arp-table-entry>
```

**Description** Information about an entry in the ARP table

**<arp-table-entry>****Usage**

```

<arp-table-information>
  <arp-table-entry>
    <mac-address>
      mac-address
    </mac-address>
    <ip-address>
      ip-address
    </ip-address>
    <hostname>
      hostname
    </hostname>
    <interface-name>
      interface-name
    </interface-name>
    <arp-table-entry-flags>....</arp-table-entry-flags>
    <time-to-expire>
      time-to-expire
    </time-to-expire>
  </arp-table-entry>
</arp-table-information>

```

**Description** Information about an entry in the ARP table

**<arp-table-entry-flags>****Usage**

```

<arp-table-entry-flags>
  <none>
    none
  </none>
  <permanent>
    permanent
  </permanent>
  <published>
    published
  </published>
  <dead>
    dead
  </dead>
  <free>
    free
  </free>
</arp-table-entry-flags>

```

**Description** One or more status flags for the ARP entry

### <arp-table-entry-flags>

#### Usage

```
<arp-table-entry>
  <arp-table-entry-flags>
    <none>
      none
    </none>
    <permanent>
      permanent
    </permanent>
    <published>
      published
    </published>
    <dead>
      dead
    </dead>
    <free>
      free
    </free>
  </arp-table-entry-flags>
</arp-table-entry>
```

**Description** One or more status flags for the ARP entry

### <arp-table-entry-flags>

#### Usage

```
<arp-table-information>
  <arp-table-entry>
    <arp-table-entry-flags>
      <none>
        none
      </none>
      <permanent>
        permanent
      </permanent>
      <published>
        published
      </published>
      <dead>
        dead
      </dead>
      <free>
        free
      </free>
    </arp-table-entry-flags>
  </arp-table-entry>
</arp-table-information>
```

**Description** One or more status flags for the ARP entry



### <arp-table-information>

#### Usage

```
<arp-table-information>
  <arp-table-entry>....</arp-table-entry>
  <arp-entry-count>
    arp-entry-count
  </arp-entry-count>
</arp-table-information>
```

**Description** Information about one or more entries in the ARP table

### <clear-arp-table-result>

#### Usage

```
<clear-arp-table-result>
  <ip-address>
    ip-address
  </ip-address>
  <clear-success>
    clear-success
  </clear-success>
</clear-arp-table-result>
```

**Description** Results of a clear ARP command

### <clear-arp-table-result>

#### Usage

```
<clear-arp-table-results>
  <clear-arp-table-result>
    <ip-address>
      ip-address
    </ip-address>
    <clear-success>
      clear-success
    </clear-success>
  </clear-arp-table-result>
</clear-arp-table-results>
```

**Description** Results of a clear ARP command

### <clear-arp-table-results>

#### Usage

```
<clear-arp-table-results>
  <clear-arp-table-result>....</clear-arp-table-result>
</clear-arp-table-results>
```

**Description** Clear ARP table entry results

## Summary of Authentication Response Tags

---

### <aaa-module-accounting-statistics>

#### Usage

```
<aaa-module-statistics>
  <aaa-module-accounting-statistics>
    <requests>
      requests
    </requests>
    <accounting-response-failures>
      accounting-response-failures
    </accounting-response-failures>
    <accounting-response-success>
      accounting-response-success
    </accounting-response-success>
    <timeouts>
      timeouts
    </timeouts>
    <multistack-suppressions>
      multistack-suppressions
    </multistack-suppressions>
  </aaa-module-accounting-statistics>
</aaa-module-statistics>
```

#### Description

### <aaa-module-address-assignment-client-statistics>

#### Usage

```
<aaa-module-statistics>
  <aaa-module-address-assignment-client-statistics>
    <client-name>
      client-name
    </client-name>
    <out-of-memory>
      out-of-memory
    </out-of-memory>
    <no-matches>
      no-matches
    </no-matches>
  </aaa-module-address-assignment-client-statistics>
</aaa-module-statistics>
```

#### Description

### <aaa-module-address-assignment-pool-statistics>

#### Usage

```
<aaa-module-statistics>
  <aaa-module-address-assignment-pool-statistics>
```

```
<pool-name>
  pool-name
</pool-name>
<link-name>
  link-name
</link-name>
<out-of-memory>
  out-of-memory
</out-of-memory>
<out-of-addresses>
  out-of-addresses
</out-of-addresses>
<total-addresses>
  total-addresses
</total-addresses>
<used-addresses>
  used-addresses
</used-addresses>
<pool-usage>
  pool-usage
</pool-usage>
</aaa-module-address-assignment-pool-statistics>
</aaa-module-statistics>
```

#### Description

### <aaa-module-authentication-statistics>

#### Usage

```
<aaa-module-statistics>
  <aaa-module-authentication-statistics>
    <requests>
      requests
    </requests>
    <multistack-requests>
      multistack-requests
    </multistack-requests>
    <accepts>
      accepts
    </accepts>
    <rejects>
      rejects
    </rejects>
    <challenges>
      challenges
    </challenges>
    <timeouts>
      timeouts
    </timeouts>
  </aaa-module-authentication-statistics>
</aaa-module-statistics>
```

#### Description

## <aaa-module-dynamic-requests-statistics>

### Usage

```
<aaa-module-statistics>
  <aaa-module-dynamic-requests-statistics>
    <requests>
      requests
    </requests>
    <processed-ok>
      processed-ok
    </processed-ok>
    <processing-error>
      processing-error
    </processing-error>
    <silent-drops>
      silent-drops
    </silent-drops>
  </aaa-module-dynamic-requests-statistics>
</aaa-module-statistics>
```

### Description

## <aaa-module-re-authentication-statistics>

### Usage

```
<aaa-module-statistics>
  <aaa-module-re-authentication-statistics>
    <requests>
      requests
    </requests>
    <accepts>
      accepts
    </accepts>
    <aborts>
      aborts
    </aborts>
    <challenges>
      challenges
    </challenges>
    <internal-errors>
      internal-errors
    </internal-errors>
    <rejects>
      rejects
    </rejects>
    <timeouts>
      timeouts
    </timeouts>
  </aaa-module-re-authentication-statistics>
</aaa-module-statistics>
```

### Description

## &lt;aaa-module-statistics&gt;

## Usage

```

<aaa-module-statistics>
  <requests>
    requests
  </requests>
  <multistack-requests>
    multistack-requests
  </multistack-requests>
  <accepts>
    accepts
  </accepts>
  <rejects>
    rejects
  </rejects>
  <accounting-response-failures>
    accounting-response-failures
  </accounting-response-failures>
  <accounting-response-success>
    accounting-response-success
  </accounting-response-success>
  <timeouts>
    timeouts
  </timeouts>
  <multistack-suppressions>
    multistack-suppressions
  </multistack-suppressions>
  <challenges>
    challenges
  </challenges>
  <processed-ok>
    processed-ok
  </processed-ok>
  <processing-error>
    processing-error
  </processing-error>
  <silent-drops>
    silent-drops
  </silent-drops>
  <internal-errors>
    internal-errors
  </internal-errors>
  <aborts>
    aborts
  </aborts>
  <interim-updates-rcvd>
    interim-updates-rcvd
  </interim-updates-rcvd>
  <interim-updates-sent>
    interim-updates-sent
  </interim-updates-sent>
  <interim-updates-error-rcvd>
    interim-updates-error-rcvd
  </interim-updates-error-rcvd>

```

```
<requested-final-stats>
  requested-final-stats
</requested-final-stats>
<final-stats-retry-count>
  final-stats-retry-count
</final-stats-retry-count>
<final-stats-rcvd>
  final-stats-rcvd
</final-stats-rcvd>
<final-stats-error-rcvd>
  final-stats-error-rcvd
</final-stats-error-rcvd>
<final-stats-sent>
  final-stats-sent
</final-stats-sent>
<time-only-info-sent>
  time-only-info-sent
</time-only-info-sent>
<stats-timer-fired>
  stats-timer-fired
</stats-timer-fired>
<libstats-interim-egress-subs>
  libstats-interim-egress-subs
</libstats-interim-egress-subs>
<libstats-interim-ingress-subs>
  libstats-interim-ingress-subs
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</libstats-interim-egress-general-error>
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  libstats-interim-ingress-general-error
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  libstats-interim-ingress-ipc-error
</libstats-interim-ingress-ipc-error>
<libstats-interim-egress-validation-error>
  libstats-interim-egress-validation-error
</libstats-interim-egress-validation-error>
<libstats-interim-ingress-validation-error>
  libstats-interim-ingress-validation-error
```

```
</libstats-interim-ingress-validation-error>
<libstats-interim-egress-db-lookup-error>
  libstats-interim-egress-db-lookup-error
</libstats-interim-egress-db-lookup-error>
<libstats-interim-ingress-db-lookup-error>
  libstats-interim-ingress-db-lookup-error
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</libstats-final-ingress-subs>
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</libstats-all-egress-msg-types>
<libstats-all-ingress-msg-types>
  libstats-all-ingress-msg-types
</libstats-all-ingress-msg-types>
<libstats-all-egress-general-error>
```

```
libstats-all-egress-general-error
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libstats-all-ingress-general-error
</libstats-all-ingress-general-error>
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libstats-all-ingress-ipc-error
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</libstats-all-ingress-validation-error>
<libstats-all-egress-db-lookup-error>
libstats-all-egress-db-lookup-error
</libstats-all-egress-db-lookup-error>
<libstats-all-ingress-db-lookup-error>
libstats-all-ingress-db-lookup-error
</libstats-all-ingress-db-lookup-error>
<aaa-module-authentication-statistics>....</aaa-module-authentication-statistics>

<aaa-module-accounting-statistics>....</aaa-module-accounting-statistics>

<aaa-module-volume-accounting-statistics>....</aaa-module-volume-accounting-statistics>

<aaa-module-dynamic-requests-statistics>....</aaa-module-dynamic-requests-statistics>

<aaa-module-re-authentication-statistics>....</aaa-module-re-authentication-statistics>

<aaa-module-address-assignment-pool-statistics>...</aaa-module-address-assignment-pool-statistics>

<aaa-module-address-assignment-client-statistics>...</aaa-module-address-assignment-client-statistics>

<aaa-module-subscriber-statistics>....</aaa-module-subscriber-statistics>
</aaa-module-statistics>
```



**Description** Statistics for the authentication authorization and accounting (AAA) modules

### <aaa-module-subscriber-statistics>

#### Usage

```
<aaa-module-statistics>
  <aaa-module-subscriber-statistics>
    <total-number-of-subscribers>
      total-number-of-subscribers
    </total-number-of-subscribers>
  </aaa-module-subscriber-statistics>
</aaa-module-statistics>
```

#### Description

### <aaa-module-volume-accounting-statistics>

#### Usage

```
<aaa-module-statistics>
  <aaa-module-volume-accounting-statistics>
    <interim-updates-rcvd>
      interim-updates-rcvd
    </interim-updates-rcvd>
    <interim-updates-sent>
      interim-updates-sent
    </interim-updates-sent>
    <interim-updates-error-rcvd>
      interim-updates-error-rcvd
    </interim-updates-error-rcvd>
    <requested-final-stats>
      requested-final-stats
    </requested-final-stats>
    <final-stats-retry-count>
      final-stats-retry-count
    </final-stats-retry-count>
    <final-stats-rcvd>
      final-stats-rcvd
    </final-stats-rcvd>
    <final-stats-error-rcvd>
      final-stats-error-rcvd
    </final-stats-error-rcvd>
    <final-stats-sent>
      final-stats-sent
    </final-stats-sent>
    <time-only-info-sent>
      time-only-info-sent
    </time-only-info-sent>
    <stats-timer-fired>
      stats-timer-fired
    </stats-timer-fired>
    <libstats-interim-egress-subs>
      libstats-interim-egress-subs
    </libstats-interim-egress-subs>
    <libstats-interim-ingress-subs>
```

```
libstats-interim-ingress-sub<libstats-interim-ingress-sub>
libstats-interim-egress-general-error<libstats-interim-egress-general-error>
libstats-interim-egress-general-error<libstats-interim-egress-general-error>
libstats-interim-ingress-general-error<libstats-interim-ingress-general-error>
libstats-interim-ingress-general-error<libstats-interim-ingress-general-error>
libstats-interim-egress-kernel-error<libstats-interim-egress-kernel-error>
libstats-interim-egress-kernel-error<libstats-interim-egress-kernel-error>
libstats-interim-ingress-kernel-error<libstats-interim-ingress-kernel-error>
libstats-interim-ingress-kernel-error<libstats-interim-ingress-kernel-error>
libstats-interim-egress-memory-error<libstats-interim-egress-memory-error>
libstats-interim-egress-memory-error<libstats-interim-egress-memory-error>
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libstats-interim-ingress-memory-error<libstats-interim-ingress-memory-error>
libstats-interim-egress-ipc-error<libstats-interim-egress-ipc-error>
libstats-interim-egress-ipc-error<libstats-interim-egress-ipc-error>
libstats-interim-ingress-ipc-error<libstats-interim-ingress-ipc-error>
libstats-interim-ingress-ipc-error<libstats-interim-ingress-ipc-error>
libstats-interim-egress-validation-error<libstats-interim-egress-validation-error>
libstats-interim-egress-validation-error<libstats-interim-egress-validation-error>
libstats-interim-ingress-validation-error<libstats-interim-ingress-validation-error>
libstats-interim-ingress-validation-error<libstats-interim-ingress-validation-error>
libstats-interim-egress-db-lookup-error<libstats-interim-egress-db-lookup-error>
libstats-interim-egress-db-lookup-error<libstats-interim-egress-db-lookup-error>
libstats-interim-ingress-db-lookup-error<libstats-interim-ingress-db-lookup-error>
libstats-interim-ingress-db-lookup-error<libstats-interim-ingress-db-lookup-error>
libstats-final-egress-sub<libstats-final-egress-sub>
libstats-final-egress-sub<libstats-final-egress-sub>
libstats-final-ingress-sub<libstats-final-ingress-sub>
libstats-final-ingress-sub<libstats-final-ingress-sub>
libstats-final-egress-general-error<libstats-final-egress-general-error>
libstats-final-egress-general-error<libstats-final-egress-general-error>
libstats-final-ingress-general-error<libstats-final-ingress-general-error>
libstats-final-ingress-general-error<libstats-final-ingress-general-error>
libstats-final-egress-kernel-error<libstats-final-egress-kernel-error>
libstats-final-egress-kernel-error<libstats-final-egress-kernel-error>
libstats-final-ingress-kernel-error<libstats-final-ingress-kernel-error>
libstats-final-ingress-kernel-error<libstats-final-ingress-kernel-error>
```

```
<libstats-final-egress-memory-error>
  libstats-final-egress-memory-error
</libstats-final-egress-memory-error>
<libstats-final-ingress-memory-error>
  libstats-final-ingress-memory-error
</libstats-final-ingress-memory-error>
<libstats-final-egress-ipc-error>
  libstats-final-egress-ipc-error
</libstats-final-egress-ipc-error>
<libstats-final-ingress-ipc-error>
  libstats-final-ingress-ipc-error
</libstats-final-ingress-ipc-error>
<libstats-final-egress-validation-error>
  libstats-final-egress-validation-error
</libstats-final-egress-validation-error>
<libstats-final-ingress-validation-error>
  libstats-final-ingress-validation-error
</libstats-final-ingress-validation-error>
<libstats-final-egress-db-lookup-error>
  libstats-final-egress-db-lookup-error
</libstats-final-egress-db-lookup-error>
<libstats-final-ingress-db-lookup-error>
  libstats-final-ingress-db-lookup-error
</libstats-final-ingress-db-lookup-error>
<libstats-all-egress-msg-types>
  libstats-all-egress-msg-types
</libstats-all-egress-msg-types>
<libstats-all-ingress-msg-types>
  libstats-all-ingress-msg-types
</libstats-all-ingress-msg-types>
<libstats-all-egress-general-error>
  libstats-all-egress-general-error
</libstats-all-egress-general-error>
<libstats-all-ingress-general-error>
  libstats-all-ingress-general-error
</libstats-all-ingress-general-error>
<libstats-all-egress-kernel-error>
  libstats-all-egress-kernel-error
</libstats-all-egress-kernel-error>
<libstats-all-ingress-kernel-error>
  libstats-all-ingress-kernel-error
</libstats-all-ingress-kernel-error>
<libstats-all-egress-memory-error>
  libstats-all-egress-memory-error
</libstats-all-egress-memory-error>
<libstats-all-ingress-memory-error>
  libstats-all-ingress-memory-error
</libstats-all-ingress-memory-error>
<libstats-all-egress-ipc-error>
  libstats-all-egress-ipc-error
</libstats-all-egress-ipc-error>
<libstats-all-ingress-ipc-error>
  libstats-all-ingress-ipc-error
</libstats-all-ingress-ipc-error>
<libstats-all-egress-validation-error>
  libstats-all-egress-validation-error
```

```
</libstats-all-egress-validation-error>
<libstats-all-ingress-validation-error>
  libstats-all-ingress-validation-error
</libstats-all-ingress-validation-error>
<libstats-all-egress-db-lookup-error>
  libstats-all-egress-db-lookup-error
</libstats-all-egress-db-lookup-error>
<libstats-all-ingress-db-lookup-error>
  libstats-all-ingress-db-lookup-error
</libstats-all-ingress-db-lookup-error>
</aaa-module-volume-accounting-statistics>
</aaa-module-statistics>
```

### Description

## <aaa-subscriber-accounting-statistics>

### Usage

```
<aaa-subscriber-table-details>
<aaa-subscriber-statistics>
  <aaa-subscriber-accounting-statistics>
    <accounting-start-sent-successfully>
      accounting-start-sent-successfully
    </accounting-start-sent-successfully>
    <accounting-start-send-failed>
      accounting-start-send-failed
    </accounting-start-send-failed>
    <accounting-start-responses>
      accounting-start-responses
    </accounting-start-responses>
    <accounting-interim-sent-successfully>
      accounting-interim-sent-successfully
    </accounting-interim-sent-successfully>
    <accounting-interim-send-failed>
      accounting-interim-send-failed
    </accounting-interim-send-failed>
    <accounting-interim-responses>
      accounting-interim-responses
    </accounting-interim-responses>
  </aaa-subscriber-accounting-statistics>
</aaa-subscriber-statistics>
</aaa-subscriber-table-details>
```

### Description

## <aaa-subscriber-auth-statistics>

### Usage

```
<aaa-subscriber-table-details>
<aaa-subscriber-statistics>
  <aaa-subscriber-auth-statistics>
    <authentication-challenge-requests>
      authentication-challenge-requests
    </authentication-challenge-requests>
```

```
<authentication-challenge-responses>
  authentication-challenge-responses
</authentication-challenge-responses>
</aaa-subscriber-auth-statistics>
</aaa-subscriber-statistics>
</aaa-subscriber-table-details>
```

#### Description

### <aaa-subscriber-reauth-statistics>

#### Usage

```
<aaa-subscriber-table-details>
<aaa-subscriber-statistics>
  <aaa-subscriber-reauth-statistics>
    <re-authentication-requests>
      re-authentication-requests
    </re-authentication-requests>
    <re-authentication-responses>
      re-authentication-responses
    </re-authentication-responses>
    <re-authentication-aborts>
      re-authentication-aborts
    </re-authentication-aborts>
  </aaa-subscriber-reauth-statistics>
</aaa-subscriber-statistics>
</aaa-subscriber-table-details>
```

#### Description

### <aaa-subscriber-service-statistics>

#### Usage

```
<aaa-subscriber-table-details>
<aaa-subscriber-statistics>
  <aaa-subscriber-service-statistics>
    <service-name>
      service-name
    </service-name>
    <service-creates>
      service-creates
    </service-creates>
    <service-deletes>
      service-deletes
    </service-deletes>
    <service-timeouts>
      service-timeouts
    </service-timeouts>
  </aaa-subscriber-service-statistics>
</aaa-subscriber-statistics>
</aaa-subscriber-table-details>
```

#### Description

## <aaa-subscriber-statistics>

### Usage

```
<aaa-subscriber-table-details>
  <aaa-subscriber-statistics>
    <authentication-challenge-requests>
      authentication-challenge-requests
    </authentication-challenge-requests>
    <authentication-challenge-responses>
      authentication-challenge-responses
    </authentication-challenge-responses>
    <accounting-start-sent-successfully>
      accounting-start-sent-successfully
    </accounting-start-sent-successfully>
    <accounting-start-send-failed>
      accounting-start-send-failed
    </accounting-start-send-failed>
    <accounting-start-responses>
      accounting-start-responses
    </accounting-start-responses>
    <accounting-interim-sent-successfully>
      accounting-interim-sent-successfully
    </accounting-interim-sent-successfully>
    <accounting-interim-send-failed>
      accounting-interim-send-failed
    </accounting-interim-send-failed>
    <accounting-interim-responses>
      accounting-interim-responses
    </accounting-interim-responses>
    <service-creates>
      service-creates
    </service-creates>
    <service-deletes>
      service-deletes
    </service-deletes>
    <service-timeouts>
      service-timeouts
    </service-timeouts>
    <re-authentication-requests>
      re-authentication-requests
    </re-authentication-requests>
    <re-authentication-responses>
      re-authentication-responses
    </re-authentication-responses>
    <re-authentication-aborts>
      re-authentication-aborts
    </re-authentication-aborts>
    <aaa-subscriber-auth-statistics>....</aaa-subscriber-auth-statistics>
    <aaa-subscriber-accounting-statistics>....</aaa-subscriber-accounting-statistics>

    <aaa-subscriber-service-statistics>....</aaa-subscriber-service-statistics>
    <aaa-subscriber-reauth-statistics>....</aaa-subscriber-reauth-statistics>
  </aaa-subscriber-statistics>
</aaa-subscriber-table-details>
```

**Description****<aaa-subscriber-table>****Usage**

```

<aaa-subscriber-table-details>
  <aaa-subscriber-table>
    <aaa-subscriber-table-entry>....</aaa-subscriber-table-entry>
    <aaa-subscriber-table-entry-details>....</aaa-subscriber-table-entry-details>

    <aaa-subscriber-table-logical-system-routing-instance-entries>....</aaa-subscriber-table-logical-system-routing-instance-entries>

    <aaa-subscriber-table-entry-service-details>....</aaa-subscriber-table-entry-service-details>

    <aaa-subscriber-table-entry-session-id-detail>....</aaa-subscriber-table-entry-session-id-detail>

  </aaa-subscriber-table>
</aaa-subscriber-table-details>

```

**Description****<aaa-subscriber-table-details>****Usage**

```

<aaa-subscriber-table-details>
  <aaa-subscriber-table>....</aaa-subscriber-table>
  <aaa-subscriber-statistics>....</aaa-subscriber-statistics>
</aaa-subscriber-table-details>

```

**Description** Information about authentication, authorization and accounting (AAA) subscriber table

**<aaa-subscriber-table-entry>****Usage**

```

<aaa-subscriber-table-details>
  <aaa-subscriber-table>
    <aaa-subscriber-table-entry>
      <user-name>
        user-name
      </user-name>
      <logical-system-routing-instance>
        logical-system-routing-instance
      </logical-system-routing-instance>
      <client-type>
        client-type
      </client-type>
      <session-id>
        session-id
      </session-id>
    </aaa-subscriber-table-entry>
  </aaa-subscriber-table>

```

</aaa-subscriber-table-details>

#### Description

### <aaa-subscriber-table-entry-details>

#### Usage

```
<aaa-subscriber-table-details>
  <aaa-subscriber-table>
    <aaa-subscriber-table-entry-details>
      <logical-system-routing-instance>
        logical-system-routing-instance
      </logical-system-routing-instance>
      <client-type>
        client-type
      </client-type>
      <session-uptime>
        session-uptime
      </session-uptime>
      <accounting-status>
        accounting-status
      </accounting-status>
    </aaa-subscriber-table-entry-details>
  </aaa-subscriber-table>
</aaa-subscriber-table-details>
```

#### Description

### <aaa-subscriber-table-entry-service-details>

#### Usage

```
<aaa-subscriber-table-details>
  <aaa-subscriber-table>
    <aaa-subscriber-table-entry-service-details>
      <service-name>
        service-name
      </service-name>
      <service-type>
        service-type
      </service-type>
      <service-quota>
        service-quota
      </service-quota>
      <accounting-status>
        accounting-status
      </accounting-status>
    </aaa-subscriber-table-entry-service-details>
  </aaa-subscriber-table>
</aaa-subscriber-table-details>
```

#### Description



## &lt;aaa-subscriber-table-entry-session-id-detail&gt;

## Usage

```

<aaa-subscriber-table-details>
  <aaa-subscriber-table>
    <aaa-subscriber-table-entry-session-id-detail>
      <client-type>
        client-type
      </client-type>
      <user-name>
        user-name
      </user-name>
      <stripped-user-name>
        stripped-user-name
      </stripped-user-name>
      <aaa-logical-system-routing-instance>
        aaa-logical-system-routing-instance
      </aaa-logical-system-routing-instance>
      <target-logical-system-routing-instance>
        target-logical-system-routing-instance
      </target-logical-system-routing-instance>
      <access-profile>
        access-profile
      </access-profile>
      <session-id>
        session-id
      </session-id>
      <accounting-session-id>
        accounting-session-id
      </accounting-session-id>
      <multi-accounting-session-id>
        multi-accounting-session-id
      </multi-accounting-session-id>
      <ip-address-assigned>
        ip-address-assigned
      </ip-address-assigned>
      <assignment-type>
        assignment-type
      </assignment-type>
      <auth-state>
        auth-state
      </auth-state>
      <gx-plus-prov-state>
        gx-plus-prov-state
      </gx-plus-prov-state>
      <accounting-state>
        accounting-state
      </accounting-state>
      <service-name>
        service-name
      </service-name>
      <service-state>
        service-state
      </service-state>
      <service-session-id>

```

```
    service-session-id
  </service-session-id>
  <service-accounting-session-id>
    service-accounting-session-id
  </service-accounting-session-id>
  <accounting-status>
    accounting-status
  </accounting-status>
  <session-uptime>
    session-uptime
  </session-uptime>
  <service-accounting-state>
    service-accounting-state
  </service-accounting-state>
  <accounting-interim-interval>
    accounting-interim-interval
  </accounting-interim-interval>
  <service-accounting-protocol>
    service-accounting-protocol
  </service-accounting-protocol>
</aaa-subscriber-table-entry-session-id-detail>
</aaa-subscriber-table>
</aaa-subscriber-table-details>
```

#### Description

### <aaa-subscriber-table-logical-system-routing-instance-entries>

#### Usage

```
<aaa-subscriber-table-details>
  <aaa-subscriber-table>
    <aaa-subscriber-table-logical-system-routing-instance-entries>
      <user-name>
        user-name
      </user-name>
      <client-type>
        client-type
      </client-type>
      <logical-system-routing-instance>
        logical-system-routing-instance
      </logical-system-routing-instance>
    </aaa-subscriber-table-logical-system-routing-instance-entries>
  </aaa-subscriber-table>
</aaa-subscriber-table-details>
```

#### Description

### <aaa-termcode-error>

#### Usage

```
<aaa-termcode-information>
  <aaa-termcode-error>
  </aaa-termcode-error>
```

```
</aaa-termcode-information>
```

#### Description

### <aaa-termcode-information>

#### Usage

```
<aaa-termcode-information>
  <aaa-termcode-list>....</aaa-termcode-list>
  <aaa-termcode-summary-list>....</aaa-termcode-summary-list>
  <aaa-termcode-not-found>
    aaa-termcode-not-found
  </aaa-termcode-not-found>
  <aaa-termcode-error>....</aaa-termcode-error>
</aaa-termcode-information>
```

**Description** Terminate-code mapping information

### <aaa-termcode-list>

#### Usage

```
<aaa-termcode-list>
  <aaa-termcode-radius-termcause>
    aaa-termcode-radius-termcause
  </aaa-termcode-radius-termcause>
  <aaa-termcode-custom-mapping>
    aaa-termcode-custom-mapping
  </aaa-termcode-custom-mapping>
  <aaa-termcode-usage-count>
    aaa-termcode-usage-count
  </aaa-termcode-usage-count>
  <aaa-termcode-type>
    aaa-termcode-type
  </aaa-termcode-type>
  <aaa-termcode-keyword>
    aaa-termcode-keyword
  </aaa-termcode-keyword>
</aaa-termcode-list>
```

**Description** Terminate-code mappings

### <aaa-termcode-list>

#### Usage

```
<aaa-termcode-information>
  <aaa-termcode-list>
    <aaa-termcode-radius-termcause>
      aaa-termcode-radius-termcause
    </aaa-termcode-radius-termcause>
    <aaa-termcode-custom-mapping>
      aaa-termcode-custom-mapping
```

```
</aaa-termcode-custom-mapping>
<aaa-termcode-usage-count>
  aaa-termcode-usage-count
</aaa-termcode-usage-count>
<aaa-termcode-type>
  aaa-termcode-type
</aaa-termcode-type>
<aaa-termcode-keyword>
  aaa-termcode-keyword
</aaa-termcode-keyword>
</aaa-termcode-list>
</aaa-termcode-information>
```

**Description** Terminate-code mappings

### <aaa-termcode-reverse-error>

#### Usage

```
<aaa-termcode-reverse-information>
  <aaa-termcode-reverse-error>
</aaa-termcode-reverse-error>
</aaa-termcode-reverse-information>
```

**Description**

### <aaa-termcode-reverse-information>

#### Usage

```
<aaa-termcode-reverse-information>
  <aaa-termcode-reverse-list>.....</aaa-termcode-reverse-list>
  <aaa-termcode-reverse-summary-list>.....</aaa-termcode-reverse-summary-list>

  <aaa-termcode-reverse-not-found>
    aaa-termcode-reverse-not-found
  </aaa-termcode-reverse-not-found>
  <aaa-termcode-reverse-error>.....</aaa-termcode-reverse-error>
</aaa-termcode-reverse-information>
```

**Description** Terminate-code mapping information

### <aaa-termcode-reverse-list>

#### Usage

```
<aaa-termcode-reverse-list>
  <aaa-termcode-radius-termcause>
    aaa-termcode-radius-termcause
  </aaa-termcode-radius-termcause>
  <aaa-termcode-custom-mapping>
    aaa-termcode-custom-mapping
  </aaa-termcode-custom-mapping>
  <aaa-termcode-usage-count>
```

```

    aaa-termcode-usage-count
  </aaa-termcode-usage-count>
  <aaa-termcode-type>
    aaa-termcode-type
  </aaa-termcode-type>
  <aaa-termcode-keyword>
    aaa-termcode-keyword
  </aaa-termcode-keyword>
</aaa-termcode-reverse-list>

```

**Description** Terminate-code mappings

### <aaa-termcode-reverse-list>

#### Usage

```

<aaa-termcode-reverse-information>
  <aaa-termcode-reverse-list>
    <aaa-termcode-radius-termcause>
      aaa-termcode-radius-termcause
    </aaa-termcode-radius-termcause>
    <aaa-termcode-custom-mapping>
      aaa-termcode-custom-mapping
    </aaa-termcode-custom-mapping>
    <aaa-termcode-usage-count>
      aaa-termcode-usage-count
    </aaa-termcode-usage-count>
    <aaa-termcode-type>
      aaa-termcode-type
    </aaa-termcode-type>
    <aaa-termcode-keyword>
      aaa-termcode-keyword
    </aaa-termcode-keyword>
  </aaa-termcode-reverse-list>
</aaa-termcode-reverse-information>

```

**Description** Terminate-code mappings

### <aaa-termcode-reverse-summary-list>

#### Usage

```

<aaa-termcode-reverse-summary-list>
  <aaa-termcode-radius-termcause>
    aaa-termcode-radius-termcause
  </aaa-termcode-radius-termcause>
  <aaa-termcode-custom-mapping>
    aaa-termcode-custom-mapping
  </aaa-termcode-custom-mapping>
  <aaa-termcode-mapping-count>
    aaa-termcode-mapping-count
  </aaa-termcode-mapping-count>
  <aaa-termcode-usage-count>
    aaa-termcode-usage-count

```

```
</aaa-termcode-usage-count>
<aaa-termcode-type>
  aaa-termcode-type
</aaa-termcode-type>
</aaa-termcode-reverse-summary-list>
```

**Description** Terminate-code reverse mappings summary

### <aaa-termcode-reverse-summary-list>

#### Usage

```
<aaa-termcode-reverse-information>
  <aaa-termcode-reverse-summary-list>
    <aaa-termcode-radius-termcause>
      aaa-termcode-radius-termcause
    </aaa-termcode-radius-termcause>
    <aaa-termcode-custom-mapping>
      aaa-termcode-custom-mapping
    </aaa-termcode-custom-mapping>
    <aaa-termcode-mapping-count>
      aaa-termcode-mapping-count
    </aaa-termcode-mapping-count>
    <aaa-termcode-usage-count>
      aaa-termcode-usage-count
    </aaa-termcode-usage-count>
    <aaa-termcode-type>
      aaa-termcode-type
    </aaa-termcode-type>
  </aaa-termcode-reverse-summary-list>
</aaa-termcode-reverse-information>
```

**Description** Terminate-code reverse mappings summary

### <aaa-termcode-summary-list>

#### Usage

```
<aaa-termcode-summary-list>
  <aaa-termcode-custom-mapping>
    aaa-termcode-custom-mapping
  </aaa-termcode-custom-mapping>
  <aaa-termcode-mapping-count>
    aaa-termcode-mapping-count
  </aaa-termcode-mapping-count>
  <aaa-termcode-usage-count>
    aaa-termcode-usage-count
  </aaa-termcode-usage-count>
  <aaa-termcode-type>
    aaa-termcode-type
  </aaa-termcode-type>
</aaa-termcode-summary-list>
```

**Description** Terminate-code mappings summary

### <aaa-termcode-summary-list>

#### Usage

```
<aaa-termcode-information>
  <aaa-termcode-summary-list>
    <aaa-termcode-custom-mapping>
      aaa-termcode-custom-mapping
    </aaa-termcode-custom-mapping>
    <aaa-termcode-mapping-count>
      aaa-termcode-mapping-count
    </aaa-termcode-mapping-count>
    <aaa-termcode-usage-count>
      aaa-termcode-usage-count
    </aaa-termcode-usage-count>
    <aaa-termcode-type>
      aaa-termcode-type
    </aaa-termcode-type>
  </aaa-termcode-summary-list>
</aaa-termcode-information>
```

**Description** Terminate-code mappings summary

### <aaa-test-result>

#### Usage

```
<aaa-test-result>
  <aaa-test-status>
    aaa-test-status
  </aaa-test-status>
  <radius-server-attribute-name>
    radius-server-attribute-name
  </radius-server-attribute-name>
  <radius-server-attribute-value>
    radius-server-attribute-value
  </radius-server-attribute-value>
  <terminate-attribute-name>
    terminate-attribute-name
  </terminate-attribute-name>
  <terminate-attribute-value>
    terminate-attribute-value
  </terminate-attribute-value>
</aaa-test-result>
```

**Description** RADIUS server access test

### <address-assignment-pool-entry>

#### Usage

```
<address-assignment-pool-table-details>
  <address-assignment-pool-table>
```

```
<address-assignment-pool-entry>
  <ip-address>
    ip-address
  </ip-address>
  <hardware-address>
    hardware-address
  </hardware-address>
  <host-name>
    host-name
  </host-name>
  <subscriber-type>
    subscriber-type
  </subscriber-type>
</address-assignment-pool-entry>
</address-assignment-pool-table>
</address-assignment-pool-table-details>
```

**Description****<address-assignment-pool-table>****Usage**

```
<address-assignment-pool-table-details>
  <address-assignment-pool-table>
    <address-assignment-pool-entry>....</address-assignment-pool-entry>
  </address-assignment-pool-table>
</address-assignment-pool-table-details>
```

**Description****<address-assignment-pool-table-details>****Usage**

```
<address-assignment-pool-table-details>
  <address-assignment-pool-table>....</address-assignment-pool-table>
</address-assignment-pool-table-details>
```

**Description** Information about address-assignment pool

**<auth-pending-entry>****Usage**

```
<auth-pending-table-details>
  <auth-pending-table>
    <auth-pending-entry>
      <index>
        index
      </index>
      <auth-status>
        auth-status
      </auth-status>
      <profile-name>
```



```

        profile-name
      </profile-name>
      <user-name>
        user-name
      </user-name>
    </auth-pending-entry>
  </auth-pending-table>
</auth-pending-table-details>

```

#### Description

### <auth-pending-table>

#### Usage

```

<auth-pending-table-details>
  <auth-pending-table>
    <auth-pending-entry>....</auth-pending-entry>
  </auth-pending-table>
</auth-pending-table-details>

```

#### Description

### <auth-pending-table-details>

#### Usage

```

<auth-pending-table-details>
  <auth-pending-table-info>....</auth-pending-table-info>
  <auth-pending-table>....</auth-pending-table>
</auth-pending-table-details>

```

**Description** Information about pending authentication requests

### <auth-pending-table-info>

#### Usage

```

<auth-pending-table-details>
  <auth-pending-table-info>
    <auth-pending-total-entries>
      auth-pending-total-entries
    </auth-pending-total-entries>
  </auth-pending-table-info>
</auth-pending-table-details>

```

#### Description

### <auth-statistics>

#### Usage

```

<auth-statistics>
  <total-statistics>....</total-statistics>
  <radius-auth-statistics>....</radius-auth-statistics>

```

```
<ldap-auth-statistics>....</ldap-auth-statistics>
<securid-auth-statistics>....</securid-auth-statistics>
<local-auth-statistics>....</local-auth-statistics>
</auth-statistics>
```

**Description** Authentication statistics

### <authd-memory-pool-information>

#### Usage

```
<authd-memory-pool-information>
  <memory-pool-name>
    memory-pool-name
  </memory-pool-name>
  <node-size>
    node-size
  </node-size>
  <pool-size>
    pool-size
  </pool-size>
  <total-allocation>
    total-allocation
  </total-allocation>
  <largest-allocation>
    largest-allocation
  </largest-allocation>
  <current-allocation>
    current-allocation
  </current-allocation>
  <number-of-grows>
    number-of-grows
  </number-of-grows>
  <number-of-fails>
    number-of-fails
  </number-of-fails>
  <number-of-oversize-allocations>
    number-of-oversize-allocations
  </number-of-oversize-allocations>
</authd-memory-pool-information>
```

**Description** Memory pool information for authd

### <domain-map-statistics>

#### Usage

```
<domain-map-statistics>
  <matched-domains>
    matched-domains
  </matched-domains>
  <unmatched-domains>
    unmatched-domains
  </unmatched-domains>
```

```

<missing-domains>
  missing-domains
</missing-domains>
<stripped-username>
  stripped-username
</stripped-username>
<default-used>
  default-used
</default-used>
</domain-map-statistics>

```

**Description** Domain maps related statistics

### <gx-plus-downstream-stats-data>

#### Usage

```

<gx-plus-downstream-stats-data>
  <gx-plus-downstream-category>
    gx-plus-downstream-category
  </gx-plus-downstream-category>
  <gx-plus-downstream-counter-name>
    gx-plus-downstream-counter-name
  </gx-plus-downstream-counter-name>
  <gx-plus-downstream-counter-value>
    gx-plus-downstream-counter-value
  </gx-plus-downstream-counter-value>
</gx-plus-downstream-stats-data>

```

**Description** Gx-plus downstream stats data

### <gx-plus-downstream-stats-data>

#### Usage

```

<gx-plus-statistics-information>
  <gx-plus-downstream-stats-table>
    <gx-plus-downstream-stats-data>
      <gx-plus-downstream-category>
        gx-plus-downstream-category
      </gx-plus-downstream-category>
      <gx-plus-downstream-counter-name>
        gx-plus-downstream-counter-name
      </gx-plus-downstream-counter-name>
      <gx-plus-downstream-counter-value>
        gx-plus-downstream-counter-value
      </gx-plus-downstream-counter-value>
    </gx-plus-downstream-stats-data>
  </gx-plus-downstream-stats-table>
</gx-plus-statistics-information>

```

**Description** Gx-plus downstream stats data

## <gx-plus-downstream-stats-table>

### Usage

```
<gx-plus-statistics-information>
  <gx-plus-downstream-stats-table>
    <gx-plus-downstream-stats-data>....</gx-plus-downstream-stats-data>
  </gx-plus-downstream-stats-table>
</gx-plus-statistics-information>
```

**Description** Gx-plus downstream stats-table

## <gx-plus-state-information>

### Usage

```
<gx-plus-state-information>
  <gx-plus-engine-state>
    gx-plus-engine-state
  </gx-plus-engine-state>
  <gx-plus-config-state>
    gx-plus-config-state
  </gx-plus-config-state>
  <gx-plus-active-config-state>
    gx-plus-active-config-state
  </gx-plus-active-config-state>
  <gx-plus-diameter-config-state>
    gx-plus-diameter-config-state
  </gx-plus-diameter-config-state>
  <gx-plus-total-prov-count>
    gx-plus-total-prov-count
  </gx-plus-total-prov-count>
  <gx-plus-pending-prov-count>
    gx-plus-pending-prov-count
  </gx-plus-pending-prov-count>
  <gx-plus-pending-logout-count>
    gx-plus-pending-logout-count
  </gx-plus-pending-logout-count>
</gx-plus-state-information>
```

**Description** Gx-plus state information

## <gx-plus-statistics-data>

### Usage

```
<gx-plus-statistics-data>
  <gx-plus-counter-name>
    gx-plus-counter-name
  </gx-plus-counter-name>
  <gx-plus-counter-value>
    gx-plus-counter-value
  </gx-plus-counter-value>
</gx-plus-statistics-data>
```

**Description** Gx-plus statistics data

### <gx-plus-statistics-data>

#### Usage

```
<gx-plus-statistics-information>
  <gx-plus-statistics-table>
    <gx-plus-statistics-data>
      <gx-plus-counter-name>
        gx-plus-counter-name
      </gx-plus-counter-name>
      <gx-plus-counter-value>
        gx-plus-counter-value
      </gx-plus-counter-value>
    </gx-plus-statistics-data>
  </gx-plus-statistics-table>
</gx-plus-statistics-information>
```

**Description** Gx-plus statistics data

### <gx-plus-statistics-information>

#### Usage

```
<gx-plus-statistics-information>
  <gx-plus-statistics-table>....</gx-plus-statistics-table>
  <gx-plus-sync-event-stats-table>....</gx-plus-sync-event-stats-table>
  <gx-plus-sync-event-de-stats-table>....</gx-plus-sync-event-de-stats-table>
  <gx-plus-upstream-stats-table>....</gx-plus-upstream-stats-table>
  <gx-plus-upstream-de-stats-table>....</gx-plus-upstream-de-stats-table>
  <gx-plus-downstream-stats-table>....</gx-plus-downstream-stats-table>
  <gx-plus-statistics-no-counters>
    gx-plus-statistics-no-counters
  </gx-plus-statistics-no-counters>
  <gx-plus-statistics-message>....</gx-plus-statistics-message>
</gx-plus-statistics-information>
```

**Description** Gx-plus statistics information

### <gx-plus-statistics-message>

#### Usage

```
<gx-plus-statistics-information>
  <gx-plus-statistics-message>
</gx-plus-statistics-message>
</gx-plus-statistics-information>
```

**Description**

### <gx-plus-statistics-table>

#### Usage

```
<gx-plus-statistics-information>
  <gx-plus-statistics-table>
    <gx-plus-statistics-data>....</gx-plus-statistics-data>
  </gx-plus-statistics-table>
</gx-plus-statistics-information>
```

**Description** Gx-plus statistics table

### <gx-plus-sync-event-de-stats-data>

#### Usage

```
<gx-plus-sync-event-de-stats-data>
  <gx-plus-sync-event-de>
    gx-plus-sync-event-de
  </gx-plus-sync-event-de>
  <gx-plus-sync-event-de-counter-name>
    gx-plus-sync-event-de-counter-name
  </gx-plus-sync-event-de-counter-name>
  <gx-plus-sync-event-de-counter-value>
    gx-plus-sync-event-de-counter-value
  </gx-plus-sync-event-de-counter-value>
</gx-plus-sync-event-de-stats-data>
```

**Description** Gx-plus sync-event diameter event stats data

### <gx-plus-sync-event-de-stats-data>

#### Usage

```
<gx-plus-statistics-information>
  <gx-plus-sync-event-de-stats-table>
    <gx-plus-sync-event-de-stats-data>
      <gx-plus-sync-event-de>
        gx-plus-sync-event-de
      </gx-plus-sync-event-de>
      <gx-plus-sync-event-de-counter-name>
        gx-plus-sync-event-de-counter-name
      </gx-plus-sync-event-de-counter-name>
      <gx-plus-sync-event-de-counter-value>
        gx-plus-sync-event-de-counter-value
      </gx-plus-sync-event-de-counter-value>
    </gx-plus-sync-event-de-stats-data>
  </gx-plus-sync-event-de-stats-table>
</gx-plus-statistics-information>
```

**Description** Gx-plus sync-event diameter event stats data

### <gx-plus-sync-event-de-stats-table>

#### Usage

```

<gx-plus-statistics-information>
  <gx-plus-sync-event-de-stats-table>
    <gx-plus-sync-event-de-stats-data>....</gx-plus-sync-event-de-stats-data>
  </gx-plus-sync-event-de-stats-table>
</gx-plus-statistics-information>

```

**Description** Gx-plus syn-even diameter events stats table

### <gx-plus-sync-event-stats-data>

#### Usage

```

<gx-plus-sync-event-stats-data>
  <gx-plus-sync-event>
    gx-plus-sync-event
  </gx-plus-sync-event>
  <gx-plus-sync-event-counter-name>
    gx-plus-sync-event-counter-name
  </gx-plus-sync-event-counter-name>
  <gx-plus-sync-event-counter-value>
    gx-plus-sync-event-counter-value
  </gx-plus-sync-event-counter-value>
</gx-plus-sync-event-stats-data>

```

**Description** Gx-plus sync-event stats data

### <gx-plus-sync-event-stats-data>

#### Usage

```

<gx-plus-statistics-information>
  <gx-plus-sync-event-stats-table>
    <gx-plus-sync-event-stats-data>
      <gx-plus-sync-event>
        gx-plus-sync-event
      </gx-plus-sync-event>
      <gx-plus-sync-event-counter-name>
        gx-plus-sync-event-counter-name
      </gx-plus-sync-event-counter-name>
      <gx-plus-sync-event-counter-value>
        gx-plus-sync-event-counter-value
      </gx-plus-sync-event-counter-value>
    </gx-plus-sync-event-stats-data>
  </gx-plus-sync-event-stats-table>
</gx-plus-statistics-information>

```

**Description** Gx-plus sync-event stats data

### <gx-plus-sync-event-stats-table>

#### Usage

```
<gx-plus-statistics-information>
  <gx-plus-sync-event-stats-table>
    <gx-plus-sync-event-stats-data>....</gx-plus-sync-event-stats-data>
  </gx-plus-sync-event-stats-table>
</gx-plus-statistics-information>
```

**Description** Gx-plus sync-event stats table

### <gx-plus-sync-state-data>

#### Usage

```
<gx-plus-sync-state-data>
  <gx-plus-sync-event-name>
    gx-plus-sync-event-name
  </gx-plus-sync-event-name>
  <gx-plus-sync-event-timeout>
    gx-plus-sync-event-timeout
  </gx-plus-sync-event-timeout>
</gx-plus-sync-state-data>
```

**Description** Gx-plus sync state data

### <gx-plus-sync-state-data>

#### Usage

```
<gx-plus-sync-state-information>
  <gx-plus-sync-state-data>
    <gx-plus-sync-event-name>
      gx-plus-sync-event-name
    </gx-plus-sync-event-name>
    <gx-plus-sync-event-timeout>
      gx-plus-sync-event-timeout
    </gx-plus-sync-event-timeout>
  </gx-plus-sync-state-data>
</gx-plus-sync-state-information>
```

**Description** Gx-plus sync state data

### <gx-plus-sync-state-information>

#### Usage

```
<gx-plus-sync-state-information>
  <gx-plus-sync-state-data>....</gx-plus-sync-state-data>
  <gx-plus-sync-state-no-events>
    gx-plus-sync-state-no-events
  </gx-plus-sync-state-no-events>
  <gx-plus-sync-state-message>....</gx-plus-sync-state-message>
```



</gx-plus-sync-state-information>

**Description** Gx-plus sync state information

### <gx-plus-sync-state-message>

#### Usage

```
<gx-plus-sync-state-information>
  <gx-plus-sync-state-message>
</gx-plus-sync-state-message>
</gx-plus-sync-state-information>
```

**Description**

### <gx-plus-upstream-de-stats-data>

#### Usage

```
<gx-plus-upstream-de-stats-data>
  <gx-plus-upstream-de-category>
    gx-plus-upstream-de-category
  </gx-plus-upstream-de-category>
  <gx-plus-upstream-de-counter-name>
    gx-plus-upstream-de-counter-name
  </gx-plus-upstream-de-counter-name>
  <gx-plus-upstream-de-counter-value>
    gx-plus-upstream-de-counter-value
  </gx-plus-upstream-de-counter-value>
</gx-plus-upstream-de-stats-data>
```

**Description** Gx-plus upstream diameter event stats data

### <gx-plus-upstream-de-stats-data>

#### Usage

```
<gx-plus-statistics-information>
  <gx-plus-upstream-de-stats-table>
    <gx-plus-upstream-de-stats-data>
      <gx-plus-upstream-de-category>
        gx-plus-upstream-de-category
      </gx-plus-upstream-de-category>
      <gx-plus-upstream-de-counter-name>
        gx-plus-upstream-de-counter-name
      </gx-plus-upstream-de-counter-name>
      <gx-plus-upstream-de-counter-value>
        gx-plus-upstream-de-counter-value
      </gx-plus-upstream-de-counter-value>
    </gx-plus-upstream-de-stats-data>
  </gx-plus-upstream-de-stats-table>
</gx-plus-statistics-information>
```

**Description** Gx-plus upstream diameter event stats data

### <gx-plus-upstream-de-stats-table>

**Usage**

```
<gx-plus-statistics-information>
  <gx-plus-upstream-de-stats-table>
    <gx-plus-upstream-de-stats-data>....</gx-plus-upstream-de-stats-data>
  </gx-plus-upstream-de-stats-table>
</gx-plus-statistics-information>
```

**Description** Gx-plus upstream diameter events stats table

### <gx-plus-upstream-stats-data>

**Usage**

```
<gx-plus-upstream-stats-data>
  <gx-plus-upstream-category>
    gx-plus-upstream-category
  </gx-plus-upstream-category>
  <gx-plus-upstream-counter-name>
    gx-plus-upstream-counter-name
  </gx-plus-upstream-counter-name>
  <gx-plus-upstream-counter-value>
    gx-plus-upstream-counter-value
  </gx-plus-upstream-counter-value>
</gx-plus-upstream-stats-data>
```

**Description** Gx-plus upstream stats data

### <gx-plus-upstream-stats-data>

**Usage**

```
<gx-plus-statistics-information>
  <gx-plus-upstream-stats-table>
    <gx-plus-upstream-stats-data>
      <gx-plus-upstream-category>
        gx-plus-upstream-category
      </gx-plus-upstream-category>
      <gx-plus-upstream-counter-name>
        gx-plus-upstream-counter-name
      </gx-plus-upstream-counter-name>
      <gx-plus-upstream-counter-value>
        gx-plus-upstream-counter-value
      </gx-plus-upstream-counter-value>
    </gx-plus-upstream-stats-data>
  </gx-plus-upstream-stats-table>
</gx-plus-statistics-information>
```

**Description** Gx-plus upstream stats data

### <gx-plus-upstream-stats-table>

#### Usage

```
<gx-plus-statistics-information>
  <gx-plus-upstream-stats-table>
    <gx-plus-upstream-stats-data>....</gx-plus-upstream-stats-data>
  </gx-plus-upstream-stats-table>
</gx-plus-statistics-information>
```

**Description** Gx-plus upstream stats table

### <ldap-auth-statistics>

#### Usage

```
<auth-statistics>
  <ldap-auth-statistics>
    <total-requests>
      total-requests
    </total-requests>
    <success-responses>
      success-responses
    </success-responses>
    <failure-responses>
      failure-responses
    </failure-responses>
  </ldap-auth-statistics>
</auth-statistics>
```

**Description**

### <local-auth-statistics>

#### Usage

```
<auth-statistics>
  <local-auth-statistics>
    <total-requests>
      total-requests
    </total-requests>
    <success-responses>
      success-responses
    </success-responses>
    <failure-responses>
      failure-responses
    </failure-responses>
  </local-auth-statistics>
</auth-statistics>
```

**Description**

### <node-secret-file-table>

#### Usage

```
<node-secret-file-table>
  <node-secret-file-table-entry>....</node-secret-file-table-entry>
</node-secret-file-table>
```

**Description** Information about SecurID authentication node secret files

### <node-secret-file-table-entry>

#### Usage

```
<node-secret-file-table>
  <node-secret-file-table-entry>
    <server-name>
      server-name
    </server-name>
    <node-secret-file>
      node-secret-file
    </node-secret-file>
  </node-secret-file-table-entry>
</node-secret-file-table>
```

#### Description

### <radius-auth-statistics>

#### Usage

```
<auth-statistics>
  <radius-auth-statistics>
    <total-requests>
      total-requests
    </total-requests>
    <success-responses>
      success-responses
    </success-responses>
    <failure-responses>
      failure-responses
    </failure-responses>
  </radius-auth-statistics>
</auth-statistics>
```

#### Description

### <securid-auth-statistics>

#### Usage

```
<auth-statistics>
  <securid-auth-statistics>
    <total-requests>
      total-requests
    </total-requests>
```

```
<success-responses>
  success-responses
</success-responses>
<failure-responses>
  failure-responses
</failure-responses>
</secrid-auth-statistics>
</auth-statistics>
```

#### Description

**<total-statistics>**

#### Usage

```
<auth-statistics>
  <total-statistics>
    <total-requests>
      total-requests
    </total-requests>
    <total-responses>
      total-responses
    </total-responses>
  </total-statistics>
</auth-statistics>
```

#### Description

### Summary of Bidirectional Forwarding Direction Response Tags

---

**<bfd-client>**

#### Usage

```
<bfd-session>
  <bfd-client>
    <client-name>
      client-name
    </client-name>
    <client-transmission-interval>
      client-transmission-interval
    </client-transmission-interval>
    <client-reception-interval>
      client-reception-interval
    </client-reception-interval>
    <client-multiplier>
      client-multiplier
    </client-multiplier>
    <client-holddown-interval>
      client-holddown-interval
    </client-holddown-interval>
    <client-state>
      client-state
    </client-state>
    <client-authentication>
      client-authentication
```

```
</client-authentication>
<client-keychain>
  client-keychain
</client-keychain>
<client-algorithm>
  client-algorithm
</client-algorithm>
<client-authentication-loose>
  client-authentication-loose
</client-authentication-loose>
</bfd-client>
</bfd-session>
```

**Description** Information about the clients

## <bfd-client>

### Usage

```
<bfd-session-information>
<bfd-session>
  <bfd-client>
    <client-name>
      client-name
    </client-name>
    <client-transmission-interval>
      client-transmission-interval
    </client-transmission-interval>
    <client-reception-interval>
      client-reception-interval
    </client-reception-interval>
    <client-multiplier>
      client-multiplier
    </client-multiplier>
    <client-holddown-interval>
      client-holddown-interval
    </client-holddown-interval>
    <client-state>
      client-state
    </client-state>
    <client-authentication>
      client-authentication
    </client-authentication>
    <client-keychain>
      client-keychain
    </client-keychain>
    <client-algorithm>
      client-algorithm
    </client-algorithm>
    <client-authentication-loose>
      client-authentication-loose
    </client-authentication-loose>
  </bfd-client>
</bfd-session>
```

```
</bfd-session-information>
```

**Description** Information about the clients

## <bfd-replication>

### Usage

```
<bfd-replication>
  <bfd-replication-session-entry>....</bfd-replication-session-entry>
</bfd-replication>
```

**Description** Information about bidirectional forwarding detection replication state

## <bfd-replication-session-entry>

### Usage

```
<bfd-replication>
  <bfd-replication-session-entry>
    <session-neighbor>
      session-neighbor
    </session-neighbor>
    <session-interface>
      session-interface
    </session-interface>
    <local-discriminator>
      local-discriminator
    </local-discriminator>
    <replication-state>
      replication-state
    </replication-state>
  </bfd-replication-session-entry>
</bfd-replication>
```

**Description**

## <bfd-session>

### Usage

```
<bfd-session>
  <session-state>
    session-state
  </session-state>
  <session-interface>
    session-interface
  </session-interface>
  <session-neighbor>
    session-neighbor
  </session-neighbor>
  <session-detection-time>
    session-detection-time
  </session-detection-time>
```

```
<session-transmission-interval>
  session-transmission-interval
</session-transmission-interval>
<session-adaptive-multiplier>
  session-adaptive-multiplier
</session-adaptive-multiplier>
<bfd-client>....</bfd-client>
<session-up-time>
  session-up-time
</session-up-time>
<previous-up-time>
  previous-up-time
</previous-up-time>
<session-down-time>
  session-down-time
</session-down-time>
<previous-down-time>
  previous-down-time
</previous-down-time>
<local-diagnostic>
  local-diagnostic
</local-diagnostic>
<remote-diagnostic>
  remote-diagnostic
</remote-diagnostic>
<remote-state>
  remote-state
</remote-state>
<v0-remote-state>
  v0-remote-state
</v0-remote-state>
<remote-listen>
  remote-listen
</remote-listen>
<session-version>
  session-version
</session-version>
<logical-system-id>
  logical-system-id
</logical-system-id>
<route-table-index>
  route-table-index
</route-table-index>
<minimum-asynchronous-interval>
  minimum-asynchronous-interval
</minimum-asynchronous-interval>
<minimum-slow-interval>
  minimum-slow-interval
</minimum-slow-interval>
<adaptive-asynchronous-transmission-interval>
  adaptive-asynchronous-transmission-interval
</adaptive-asynchronous-transmission-interval>
<adaptive-reception-interval>
  adaptive-reception-interval
</adaptive-reception-interval>
<minimum-transmission-interval>
```



```
    minimum-transmission-interval
  </minimum-transmission-interval>
  <threshold-transmission-interval>
    threshold-transmission-interval
  </threshold-transmission-interval>
  <minimum-reception-interval>
    minimum-reception-interval
  </minimum-reception-interval>
  <detection-multiplier>
    detection-multiplier
  </detection-multiplier>
  <threshold-detection-time>
    threshold-detection-time
  </threshold-detection-time>
  <neighbor-minimum-transmission-interval>
    neighbor-minimum-transmission-interval
  </neighbor-minimum-transmission-interval>
  <neighbor-minimum-reception-interval>
    neighbor-minimum-reception-interval
  </neighbor-minimum-reception-interval>
  <neighbor-session-multiplier>
    neighbor-session-multiplier
  </neighbor-session-multiplier>
  <issu-state>
    issu-state
  </issu-state>
  <original-transmission-interval>
    original-transmission-interval
  </original-transmission-interval>
  <original-reception-interval>
    original-reception-interval
  </original-reception-interval>
  <local-discriminator>
    local-discriminator
  </local-discriminator>
  <remote-discriminator>
    remote-discriminator
  </remote-discriminator>
  <echo-mode-desired>
    echo-mode-desired
  </echo-mode-desired>
  <echo-mode-state>
    echo-mode-state
  </echo-mode-state>
  <no-absorb>
    no-absorb
  </no-absorb>
  <no-refresh>
    no-refresh
  </no-refresh>
  <update-adjacency>
    update-adjacency
  </update-adjacency>
  <update-transmit>
    update-transmit
  </update-transmit>
```

```
<neighbor-fate>
  neighbor-fate
</neighbor-fate>
<replicated>
  replicated
</replicated>
<holddown-timer>
  holddown-timer
</holddown-timer>
<adaptation-disabled>
  adaptation-disabled
</adaptation-disabled>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<l2ckt-neighbor-address>
  l2ckt-neighbor-address
</l2ckt-neighbor-address>
<l2ckt-vc-id>
  l2ckt-vc-id
</l2ckt-vc-id>
<tunnel-name>
  tunnel-name
</tunnel-name>
<tunnel-path>
  tunnel-path
</tunnel-path>
<tunnel-prefix>
  tunnel-prefix
</tunnel-prefix>
<tunnel-prefix-length>
  tunnel-prefix-length
</tunnel-prefix-length>
<tunnel-type>
  tunnel-type
</tunnel-type>
<tunnel-destination>
  tunnel-destination
</tunnel-destination>
<multihop-time-to-live>
  multihop-time-to-live
</multihop-time-to-live>
<multihop>
  multihop
</multihop>
<multihop-routing-table-index>
  multihop-routing-table-index
</multihop-routing-table-index>
<multihop-local-address>
  multihop-local-address
</multihop-local-address>
<authentication>
  authentication
```

```

</authentication>
<session-keychain>
  session-keychain
</session-keychain>
<session-algorithm>
  session-algorithm
</session-algorithm>
<session-authentication-loose>
  session-authentication-loose
</session-authentication-loose>
</bfd-session>

```

**Description** Information about bidirectional forwarding detection session

## <bfd-session>

### Usage

```

<bfd-session-information>
<bfd-session>
  <session-state>
    session-state
  </session-state>
  <session-interface>
    session-interface
  </session-interface>
  <session-neighbor>
    session-neighbor
  </session-neighbor>
  <session-detection-time>
    session-detection-time
  </session-detection-time>
  <session-transmission-interval>
    session-transmission-interval
  </session-transmission-interval>
  <session-adaptive-multiplier>
    session-adaptive-multiplier
  </session-adaptive-multiplier>
  <bfd-client>....</bfd-client>
  <session-up-time>
    session-up-time
  </session-up-time>
  <previous-up-time>
    previous-up-time
  </previous-up-time>
  <session-down-time>
    session-down-time
  </session-down-time>
  <previous-down-time>
    previous-down-time
  </previous-down-time>
  <local-diagnostic>
    local-diagnostic
  </local-diagnostic>
  <remote-diagnostic>

```

```
    remote-diagnostic
  </remote-diagnostic>
  <remote-state>
    remote-state
  </remote-state>
  <v0-remote-state>
    v0-remote-state
  </v0-remote-state>
  <remote-listen>
    remote-listen
  </remote-listen>
  <session-version>
    session-version
  </session-version>
  <logical-system-id>
    logical-system-id
  </logical-system-id>
  <route-table-index>
    route-table-index
  </route-table-index>
  <minimum-asynchronous-interval>
    minimum-asynchronous-interval
  </minimum-asynchronous-interval>
  <minimum-slow-interval>
    minimum-slow-interval
  </minimum-slow-interval>
  <adaptive-asynchronous-transmission-interval>
    adaptive-asynchronous-transmission-interval
  </adaptive-asynchronous-transmission-interval>
  <adaptive-reception-interval>
    adaptive-reception-interval
  </adaptive-reception-interval>
  <minimum-transmission-interval>
    minimum-transmission-interval
  </minimum-transmission-interval>
  <threshold-transmission-interval>
    threshold-transmission-interval
  </threshold-transmission-interval>
  <minimum-reception-interval>
    minimum-reception-interval
  </minimum-reception-interval>
  <detection-multiplier>
    detection-multiplier
  </detection-multiplier>
  <threshold-detection-time>
    threshold-detection-time
  </threshold-detection-time>
  <neighbor-minimum-transmission-interval>
    neighbor-minimum-transmission-interval
  </neighbor-minimum-transmission-interval>
  <neighbor-minimum-reception-interval>
    neighbor-minimum-reception-interval
  </neighbor-minimum-reception-interval>
  <neighbor-session-multiplier>
    neighbor-session-multiplier
  </neighbor-session-multiplier>
```

```
<issu-state>
  issu-state
</issu-state>
<original-transmission-interval>
  original-transmission-interval
</original-transmission-interval>
<original-reception-interval>
  original-reception-interval
</original-reception-interval>
<local-discriminator>
  local-discriminator
</local-discriminator>
<remote-discriminator>
  remote-discriminator
</remote-discriminator>
<echo-mode-desired>
  echo-mode-desired
</echo-mode-desired>
<echo-mode-state>
  echo-mode-state
</echo-mode-state>
<no-absorb>
  no-absorb
</no-absorb>
<no-refresh>
  no-refresh
</no-refresh>
<update-adjacency>
  update-adjacency
</update-adjacency>
<update-transmit>
  update-transmit
</update-transmit>
<neighbor-fate>
  neighbor-fate
</neighbor-fate>
<replicated>
  replicated
</replicated>
<holddown-timer>
  holddown-timer
</holddown-timer>
<adaptation-disabled>
  adaptation-disabled
</adaptation-disabled>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<l2ckt-neighbor-address>
  l2ckt-neighbor-address
</l2ckt-neighbor-address>
<l2ckt-vc-id>
  l2ckt-vc-id
```

```
</l2ckt-vc-id>
<tunnel-name>
  tunnel-name
</tunnel-name>
<tunnel-path>
  tunnel-path
</tunnel-path>
<tunnel-prefix>
  tunnel-prefix
</tunnel-prefix>
<tunnel-prefix-length>
  tunnel-prefix-length
</tunnel-prefix-length>
<tunnel-type>
  tunnel-type
</tunnel-type>
<tunnel-destination>
  tunnel-destination
</tunnel-destination>
<multihop-time-to-live>
  multihop-time-to-live
</multihop-time-to-live>
<multihop>
  multihop
</multihop>
<multihop-routing-table-index>
  multihop-routing-table-index
</multihop-routing-table-index>
<multihop-local-address>
  multihop-local-address
</multihop-local-address>
<authentication>
  authentication
</authentication>
<session-keychain>
  session-keychain
</session-keychain>
<session-algorithm>
  session-algorithm
</session-algorithm>
<session-authentication-loose>
  session-authentication-loose
</session-authentication-loose>
</bfd-session>
</bfd-session-information>
```

**Description** Information about bidirectional forwarding detection session

### <bfd-session-information>

#### Usage

```
<bfd-session-information>
<bfd-session>.....</bfd-session>
<sessions>
```

```

    sessions
  </sessions>
  <clients>
    clients
  </clients>
  <cumulative-transmission-rate>
    cumulative-transmission-rate
  </cumulative-transmission-rate>
  <cumulative-reception-rate>
    cumulative-reception-rate
  </cumulative-reception-rate>
  <error-value>
    error-value
  </error-value>
</bfd-session-information>

```

#### Description

### Summary of Clock Synchronization Response Tags

#### <clock-synchronization>

##### Usage

```

<clock-synchronization>
  <clock-status>
    clock-status
  </clock-status>
  <clock-lock-information>
    clock-lock-information
  </clock-lock-information>
  <clock-ineligible-reason>
    clock-ineligible-reason
  </clock-ineligible-reason>
  <clock-synchronization-source>....</clock-synchronization-source>
</clock-synchronization>

```

**Description** Clock synchronization

#### <clock-synchronization-cpld-information>

##### Usage

```

<clock-synchronization-cpld-information>
  <cpld-primary-mic>
    cpld-primary-mic
  </cpld-primary-mic>
  <cpld-secondary-mic>
    cpld-secondary-mic
  </cpld-secondary-mic>
</clock-synchronization-cpld-information>

```

#### Description

### <clock-synchronization-esmc-transmit>

#### Usage

```
<clock-synchronization-esmc-transmit>
  <esmc-transmit-interface-name>
    esmc-transmit-interface-name
  </esmc-transmit-interface-name>
  <esmc-transmit-interface-status>
    esmc-transmit-interface-status
  </esmc-transmit-interface-status>
</clock-synchronization-esmc-transmit>
```

**Description** ESMC Transmit interface details:

### <clock-synchronization-esmc-transmit>

#### Usage

```
<clock-synchronization-esmc-transmit-information>
  <clock-synchronization-esmc-transmit>
    <esmc-transmit-interface-name>
      esmc-transmit-interface-name
    </esmc-transmit-interface-name>
    <esmc-transmit-interface-status>
      esmc-transmit-interface-status
    </esmc-transmit-interface-status>
  </clock-synchronization-esmc-transmit>
</clock-synchronization-esmc-transmit-information>
```

**Description** ESMC Transmit interface details:

### <clock-synchronization-esmc-transmit-information>

#### Usage

```
<clock-synchronization-esmc-transmit-information>
<clock-synchronization-esmc-transmit>....</clock-synchronization-esmc-transmit>

</clock-synchronization-esmc-transmit-information>
```

**Description** Synchronous ethernet ESMC

### <clock-synchronization-fpga-information>

#### Usage

```
<clock-synchronization-fpga-information>
  <acbc-primary-slot>
    acbc-primary-slot
  </acbc-primary-slot>
  <acbc-secondary-slot>
    acbc-secondary-slot
  </acbc-secondary-slot>
```



```
</clock-synchronization-fpga-information>
```

#### Description

### <clock-synchronization-gencfg>

#### Usage

```
<clock-synchronization-gencfg>
  <primary-index>
    primary-index
  </primary-index>
  <secondary-index>
    secondary-index
  </secondary-index>
  <primary-type>
    primary-type
  </primary-type>
  <secondary-type>
    secondary-type
  </secondary-type>
  <primary-quality-level>
    primary-quality-level
  </primary-quality-level>
  <secondary-quality-level>
    secondary-quality-level
  </secondary-quality-level>
  <primary-state>
    primary-state
  </primary-state>
  <secondary-state>
    secondary-state
  </secondary-state>
  <clock-flags>
    clock-flags
  </clock-flags>
</clock-synchronization-gencfg>
```

**Description** Global gencfg

### <clock-synchronization-global-information>

#### Usage

```
<clock-synchronization-global-information>
  <network-option>
    network-option
  </network-option>
  <clock-mode>
    clock-mode
  </clock-mode>
  <quality-mode>
    quality-mode
  </quality-mode>
  <selection-mode>
```

```
    selection-mode
  </selection-mode>
  <switchover-mode>
    switchover-mode
  </switchover-mode>
  <change-hold-interval>
    change-hold-interval
  </change-hold-interval>
  <switchover-hold-interval>
    switchover-hold-interval
  </switchover-hold-interval>
  <reboot-hold-interval>
    reboot-hold-interval
  </reboot-hold-interval>
  <master-status>
    master-status
  </master-status>
  <agentsmith-dpc-bitmap>
    agentsmith-dpc-bitmap
  </agentsmith-dpc-bitmap>
  <zarlink-support-dpc-bitmap>
    zarlink-support-dpc-bitmap
  </zarlink-support-dpc-bitmap>
  <fpga-support-synchronous-ethernet>
    fpga-support-synchronous-ethernet
  </fpga-support-synchronous-ethernet>
</clock-synchronization-global-information>
```

**Description**    Global configuration

### <clock-synchronization-interface-statistics>

#### Usage

```
<clock-synchronization-statistics>
  <clock-synchronization-interface-statistics>
    <clock-synchronization-interface-name>
      clock-synchronization-interface-name
    </clock-synchronization-interface-name>
    <interface-receive-esmc-count>
      interface-receive-esmc-count
    </interface-receive-esmc-count>
    <interface-transmit-esmc-count>
      interface-transmit-esmc-count
    </interface-transmit-esmc-count>
    <interface-receive-esmc-drop-count>
      interface-receive-esmc-drop-count
    </interface-receive-esmc-drop-count>
    <interface-esmc-ineligible-drop-count>
      interface-esmc-ineligible-drop-count
    </interface-esmc-ineligible-drop-count>
    <interface-adjacency-create-count>
      interface-adjacency-create-count
    </interface-adjacency-create-count>
  </clock-synchronization-interface-statistics>
```

</clock-synchronization-statistics>

**Description** Interface statistics for clock synchronization

### <clock-synchronization-ref-monitor>

#### Usage

```
<clock-synchronization-ref-monitor>
  <zarlink-fail-bitmap>
    zarlink-fail-bitmap
  </zarlink-fail-bitmap>
  <ack-reply-bitmap>
    ack-reply-bitmap
  </ack-reply-bitmap>
  <reference-must-mask>
    reference-must-mask
  </reference-must-mask>
  <current-event-context>
    current-event-context
  </current-event-context>
  <current-sequence-number>
    current-sequence-number
  </current-sequence-number>
  <current-reference-index>
    current-reference-index
  </current-reference-index>
  <next-function>
    next-function
  </next-function>
</clock-synchronization-ref-monitor>
```

#### Description

### <clock-synchronization-source>

#### Usage

```
<clock-synchronization-source>
  <source-priority>
    source-priority
  </source-priority>
  <source-quality-level>
    source-quality-level
  </source-quality-level>
  <esmc-quality-level>
    esmc-quality-level
  </esmc-quality-level>
  <source-interface-name>
    source-interface-name
  </source-interface-name>
  <source-interface-status>
    source-interface-status
  </source-interface-status>
  <source-interface-index>
```

```
    source-interface-index
  </source-interface-index>
  <clock-state>
    clock-state
  </clock-state>
  <interface-configuration-flags>
    interface-configuration-flags
  </interface-configuration-flags>
  <interface-flags>
    interface-flags
  </interface-flags>
  <source-clock-type>
    source-clock-type
  </source-clock-type>
  <source-clock-event>
    source-clock-event
  </source-clock-event>
  <interface-ineligible-reason>
    interface-ineligible-reason
  </interface-ineligible-reason>
  <clock-failure-reason>
    clock-failure-reason
  </clock-failure-reason>
  <interface-hold-interval-expiry>
    interface-hold-interval-expiry
  </interface-hold-interval-expiry>
</clock-synchronization-source>
```

**Description** SyncE source interface details:

### <clock-synchronization-source>

#### Usage

```
<clock-synchronization>
  <clock-synchronization-source>
    <source-priority>
      source-priority
    </source-priority>
    <source-quality-level>
      source-quality-level
    </source-quality-level>
    <esmc-quality-level>
      esmc-quality-level
    </esmc-quality-level>
    <source-interface-name>
      source-interface-name
    </source-interface-name>
    <source-interface-status>
      source-interface-status
    </source-interface-status>
    <source-interface-index>
      source-interface-index
    </source-interface-index>
  </clock-synchronization-source>
</clock-synchronization>
```

```

    clock-state
  </clock-state>
  <interface-configuration-flags>
    interface-configuration-flags
  </interface-configuration-flags>
  <interface-flags>
    interface-flags
  </interface-flags>
  <source-clock-type>
    source-clock-type
  </source-clock-type>
  <source-clock-event>
    source-clock-event
  </source-clock-event>
  <interface-ineligible-reason>
    interface-ineligible-reason
  </interface-ineligible-reason>
  <clock-failure-reason>
    clock-failure-reason
  </clock-failure-reason>
  <interface-hold-interval-expiry>
    interface-hold-interval-expiry
  </interface-hold-interval-expiry>
</clock-synchronization-source>
</clock-synchronization>

```

**Description** SyncE source interface details:

### <clock-synchronization-statistics>

#### Usage

```

    <clock-synchronization-statistics>

    <clock-synchronization-interface-statistics>....</clock-synchronization-interface-statistics>

  </clock-synchronization-statistics>

```

**Description** Statistics about the clock synchronization

### <clock-synchronization-zarlink>

#### Usage

```

    <clock-synchronization-zarlink>
  </clock-synchronization-zarlink>

```

**Description**

### <ptp-acceptable-masters>

#### Usage

```

    <ptp-acceptable-masters>

```

```
<ptp-acceptable-table-local-ip>
  ptp-acceptable-table-local-ip
</ptp-acceptable-table-local-ip>
<ptp-acceptable-table-status>
  ptp-acceptable-table-status
</ptp-acceptable-table-status>
<ptp-acceptable-table-maximum-size>
  ptp-acceptable-table-maximum-size
</ptp-acceptable-table-maximum-size>
<ptp-acceptable-table-current-size>
  ptp-acceptable-table-current-size
</ptp-acceptable-table-current-size>
<ptp-acceptable-table-entry-address>
  ptp-acceptable-table-entry-address
</ptp-acceptable-table-entry-address>
<ptp-acceptable-table-entry-info>
  ptp-acceptable-table-entry-info
</ptp-acceptable-table-entry-info>
</ptp-acceptable-masters>
```

**Description** Show info on acceptable master clocks list

## <ptp-bmc-information>

### Usage

```
<ptp-bmc-information>
  <ptp-bmc-ip-address>
    ptp-bmc-ip-address
  </ptp-bmc-ip-address>
  <ptp-bmc-slot>
    ptp-bmc-slot
  </ptp-bmc-slot>
  <ptp-bmc-ifl-index>
    ptp-bmc-ifl-index
  </ptp-bmc-ifl-index>
  <ptp-bmc-stream-handle>
    ptp-bmc-stream-handle
  </ptp-bmc-stream-handle>
  <ptp-bmc-clock-identity>
    ptp-bmc-clock-identity
  </ptp-bmc-clock-identity>
  <ptp-bmc-port-number>
    ptp-bmc-port-number
  </ptp-bmc-port-number>
  <ptp-bmc-announce-utc-offset>
    ptp-bmc-announce-utc-offset
  </ptp-bmc-announce-utc-offset>
  <ptp-bmc-announce-time-source>
    ptp-bmc-announce-time-source
  </ptp-bmc-announce-time-source>
  <ptp-bmc-announce-steps-removed>
    ptp-bmc-announce-steps-removed
  </ptp-bmc-announce-steps-removed>
  <ptp-bmc-grandmaster-identity>
```

```

    ptp-bmc-grandmaster-identity
  </ptp-bmc-grandmaster-identity>
  <ptp-bmc-grandmaster-clock-class>
    ptp-bmc-grandmaster-clock-class
  </ptp-bmc-grandmaster-clock-class>
  <ptp-bmc-grandmaster-clock-accuracy>
    ptp-bmc-grandmaster-clock-accuracy
  </ptp-bmc-grandmaster-clock-accuracy>
  <ptp-bmc-grandmaster-clock-variance>
    ptp-bmc-grandmaster-clock-variance
  </ptp-bmc-grandmaster-clock-variance>
  <ptp-bmc-grandmaster-priority1>
    ptp-bmc-grandmaster-priority1
  </ptp-bmc-grandmaster-priority1>
  <ptp-bmc-grandmaster-priority2>
    ptp-bmc-grandmaster-priority2
  </ptp-bmc-grandmaster-priority2>
  <ptp-bmc-receive-port-clock-identity>
    ptp-bmc-receive-port-clock-identity
  </ptp-bmc-receive-port-clock-identity>
  <ptp-bmc-receive-port-number>
    ptp-bmc-receive-port-number
  </ptp-bmc-receive-port-number>
  <ptp-bmc-header-flags>
    ptp-bmc-header-flags
  </ptp-bmc-header-flags>
  <ptp-bmc-header-source-clock-identity>
    ptp-bmc-header-source-clock-identity
  </ptp-bmc-header-source-clock-identity>
  <ptp-bmc-header-source-clock-port-number>
    ptp-bmc-header-source-clock-port-number
  </ptp-bmc-header-source-clock-port-number>
  <ptp-bmc-header-mean-interval>
    ptp-bmc-header-mean-interval
  </ptp-bmc-header-mean-interval>
</ptp-bmc-information>

```

**Description** Information about the PTP best master clock

## <ptp-clock>

### Usage

```

<ptp-clock>
  <ptp-clock-accuracy>
    ptp-clock-accuracy
  </ptp-clock-accuracy>
  <ptp-slot-number-string>
    ptp-slot-number-string
  </ptp-slot-number-string>
  <ptp-two-step-clk>
    ptp-two-step-clk
  </ptp-two-step-clk>
  <ptp-clock-id-default>
    ptp-clock-id-default

```

```
</ptp-clock-id-default>
<ptp-number-of-ports>
  ptp-number-of-ports
</ptp-number-of-ports>
<ptp-clock-class>
  ptp-clock-class
</ptp-clock-class>
<ptp-clock-variance>
  ptp-clock-variance
</ptp-clock-variance>
<ptp-clock-priority1>
  ptp-clock-priority1
</ptp-clock-priority1>
<ptp-clock-priority2>
  ptp-clock-priority2
</ptp-clock-priority2>
<ptp-clock-slave-only>
  ptp-clock-slave-only
</ptp-clock-slave-only>
<ptp-clock-default-utc-offset>
  ptp-clock-default-utc-offset
</ptp-clock-default-utc-offset>
<ptp-clock-default-leap-59>
  ptp-clock-default-leap-59
</ptp-clock-default-leap-59>
<ptp-clock-default-leap-61>
  ptp-clock-default-leap-61
</ptp-clock-default-leap-61>
<ptp-clock-default-time-tracable>
  ptp-clock-default-time-tracable
</ptp-clock-default-time-tracable>
<ptp-clock-default-freq-tracable>
  ptp-clock-default-freq-tracable
</ptp-clock-default-freq-tracable>
<ptp-clock-default-time-source>
  ptp-clock-default-time-source
</ptp-clock-default-time-source>
<ptp-clock-delay-request-send-time>
  ptp-clock-delay-request-send-time
</ptp-clock-delay-request-send-time>
<ptp-clock-steps-removed>
  ptp-clock-steps-removed
</ptp-clock-steps-removed>
<ptp-clock-parent-id>
  ptp-clock-parent-id
</ptp-clock-parent-id>
<ptp-gmc-id>
  ptp-gmc-id
</ptp-gmc-id>
<ptp-gmc-class>
  ptp-gmc-class
</ptp-gmc-class>
<ptp-gmc-accuracy>
  ptp-gmc-accuracy
</ptp-gmc-accuracy>
<ptp-gmc-variance>
```



```

    ptp-gmc-variance
  </ptp-gmc-variance>
  <ptp-gmc-priority1>
    ptp-gmc-priority1
  </ptp-gmc-priority1>
  <ptp-gmc-priority2>
    ptp-gmc-priority2
  </ptp-gmc-priority2>
  <ptp-clock-global-utc-offset>
    ptp-clock-global-utc-offset
  </ptp-clock-global-utc-offset>
  <ptp-clock-global-leap-59>
    ptp-clock-global-leap-59
  </ptp-clock-global-leap-59>
  <ptp-clock-global-leap-61>
    ptp-clock-global-leap-61
  </ptp-clock-global-leap-61>
  <ptp-clock-global-time-tracable>
    ptp-clock-global-time-tracable
  </ptp-clock-global-time-tracable>
  <ptp-clock-global-freq-tracable>
    ptp-clock-global-freq-tracable
  </ptp-clock-global-freq-tracable>
  <ptp-clock-global-time-scale>
    ptp-clock-global-time-scale
  </ptp-clock-global-time-scale>
  <ptp-clock-global-time-source>
    ptp-clock-global-time-source
  </ptp-clock-global-time-source>
</ptp-clock>

```

**Description** Show clock details

## <ptp-clock-source>

### Usage

```

<ptp-clock-source>
  <ptp-clock-source-ip>
    ptp-clock-source-ip
  </ptp-clock-source-ip>
  <ptp-clock-source-local-interface>
    ptp-clock-source-local-interface
  </ptp-clock-source-local-interface>
  <ptp-clock-source-local-ip-address>
    ptp-clock-source-local-ip-address
  </ptp-clock-source-local-ip-address>
  <ptp-clock-source-preference>
    ptp-clock-source-preference
  </ptp-clock-source-preference>
</ptp-clock-source>

```

**Description** PTP clock source details

## &lt;ptp-global-information&gt;

## Usage

```
<ptp-global-information>
  <ptp-clock-mode>
    ptp-clock-mode
  </ptp-clock-mode>
  <ptp-domain>
    ptp-domain
  </ptp-domain>
  <ptp-priority1>
    ptp-priority1
  </ptp-priority1>
  <ptp-priority2>
    ptp-priority2
  </ptp-priority2>
  <ptp-announce-timeout>
    ptp-announce-timeout
  </ptp-announce-timeout>
  <ptp-clock-stepping>
    ptp-clock-stepping
  </ptp-clock-stepping>
  <ptp-transport>
    ptp-transport
  </ptp-transport>
  <master>
    master
  </master>
  <ptp-uni-neg>
    ptp-uni-neg
  </ptp-uni-neg>
  <ptp-total-ports>
    ptp-total-ports
  </ptp-total-ports>
  <ptp-slave-delay-request-string>
    ptp-slave-delay-request-string
  </ptp-slave-delay-request-string>
  <ptp-slave-announce-interval-string>
    ptp-slave-announce-interval-string
  </ptp-slave-announce-interval-string>
  <ptp-master-delay-request-string>
    ptp-master-delay-request-string
  </ptp-master-delay-request-string>
  <ptp-master-announce-interval-string>
    ptp-master-announce-interval-string
  </ptp-master-announce-interval-string>
  <ptp-slave-synchronization-interval-string>
    ptp-slave-synchronization-interval-string
  </ptp-slave-synchronization-interval-string>
  <ptp-master-synchronization-interval-string>
    ptp-master-synchronization-interval-string
  </ptp-master-synchronization-interval-string>
  <ptp-slave-count>
    ptp-slave-count
  </ptp-slave-count>
```

```

    <ptp-master-count>
      ptp-master-count
    </ptp-master-count>
  </ptp-global-information>

```

**Description** PTP global configuration

## <ptp-lock-status>

### Usage

```

<ptp-lock-status>
  <ptp-spll-lock-state>
    ptp-spll-lock-state
  </ptp-spll-lock-state>
  <ptp-spll-lock-state-string>
    ptp-spll-lock-state-string
  </ptp-spll-lock-state-string>
  <ptp-spll-frequency-offset>
    ptp-spll-frequency-offset
  </ptp-spll-frequency-offset>
  <ptp-spll-phase-offset>
    ptp-spll-phase-offset
  </ptp-spll-phase-offset>
  <ptp-spll-error-flag>
    ptp-spll-error-flag
  </ptp-spll-error-flag>
  <ptp-fsm-header-string>
    ptp-fsm-header-string
  </ptp-fsm-header-string>
  <ptp-primary-reference-state>
    ptp-primary-reference-state
  </ptp-primary-reference-state>
  <ptp-secondary-reference-state>
    ptp-secondary-reference-state
  </ptp-secondary-reference-state>
  <ptp-slave-ifl-index>
    ptp-slave-ifl-index
  </ptp-slave-ifl-index>
  <ptp-master-ip-address>
    ptp-master-ip-address
  </ptp-master-ip-address>
</ptp-lock-status>

```

**Description** Show Software PLL Status

## <ptp-master>

### Usage

```

<ptp-master>
  <ptp-master-interface-name>
    ptp-master-interface-name
  </ptp-master-interface-name>

```

```
<ptp-master-interface-status>
  ptp-master-interface-status
</ptp-master-interface-status>
<ptp-master-local-ip>
  ptp-master-local-ip
</ptp-master-local-ip>
<ptp-master-local-status>
  ptp-master-local-status
</ptp-master-local-status>
<ptp-master-total-slaves>
  ptp-master-total-slaves
</ptp-master-total-slaves>
<ptp-master-remote-ip>
  ptp-master-remote-ip
</ptp-master-remote-ip>
<ptp-master-remote-status>
  ptp-master-remote-status
</ptp-master-remote-status>
</ptp-master>
```

**Description** PTP master interface details

## <ptp-port>

### Usage

```
<ptp-port>
  <ptp-port-information>....</ptp-port-information>
</ptp-port>
```

**Description** Show port stream details

## <ptp-port-information>

### Usage

```
<ptp-port>
  <ptp-port-information>
    <ptp-clock-stream-handle>
      ptp-clock-stream-handle
    </ptp-clock-stream-handle>
    <ptp-delay-request>
      ptp-delay-request
    </ptp-delay-request>
    <ptp-announce-interval>
      ptp-announce-interval
    </ptp-announce-interval>
    <ptp-announce-timeout>
      ptp-announce-timeout
    </ptp-announce-timeout>
    <ptp-synchronization-interval>
      ptp-synchronization-interval
    </ptp-synchronization-interval>
    <ptp-port-local-ip>
```

```

    ptp-port-local-ip
  </ptp-port-local-ip>
  <ptp-port-remote-ip>
    ptp-port-remote-ip
  </ptp-port-remote-ip>
  <ptp-clock-id>
    ptp-clock-id
  </ptp-clock-id>
  <ptp-port-state>
    ptp-port-state
  </ptp-port-state>
  <ptp-mean-path-delay-high>
    ptp-mean-path-delay-high
  </ptp-mean-path-delay-high>
  <ptp-mean-path-delay-low>
    ptp-mean-path-delay-low
  </ptp-mean-path-delay-low>
  <ptp-delay-mechanism>
    ptp-delay-mechanism
  </ptp-delay-mechanism>
  <ptp-port-number>
    ptp-port-number
  </ptp-port-number>
  <ptp-op-mode>
    ptp-op-mode
  </ptp-op-mode>
  <ptp-foreign-master-title-string>
    ptp-foreign-master-title-string
  </ptp-foreign-master-title-string>
  <ptp-foreign-master-clock-id>
    ptp-foreign-master-clock-id
  </ptp-foreign-master-clock-id>
  <ptp-foreign-master-messages>
    ptp-foreign-master-messages
  </ptp-foreign-master-messages>
  <ptp-foreign-master-current-messages>
    ptp-foreign-master-current-messages
  </ptp-foreign-master-current-messages>
</ptp-port-information>
</ptp-port>

```

**Description** Show details of each PTP stream

## <ptp-slave>

### Usage

```

<ptp-slave>
  <ptp-slave-interface-name>
    ptp-slave-interface-name
  </ptp-slave-interface-name>
  <ptp-slave-interface-status>
    ptp-slave-interface-status
  </ptp-slave-interface-status>
  <ptp-slave-local-ip>

```

```
    ptp-slave-local-ip
  </ptp-slave-local-ip>
  <ptp-slave-local-status>
    ptp-slave-local-status
  </ptp-slave-local-status>
  <ptp-slave-total-masters>
    ptp-slave-total-masters
  </ptp-slave-total-masters>
  <ptp-slave-clock-source-ip>
    ptp-slave-clock-source-ip
  </ptp-slave-clock-source-ip>
  <ptp-slave-clock-source-flags>
    ptp-slave-clock-source-flags
  </ptp-slave-clock-source-flags>
</ptp-slave>
```

**Description** PTP slave interface details

## <ptp-statistics>

### Usage

```
<ptp-statistics>
  <ptp-clock-stream-handle>
    ptp-clock-stream-handle
  </ptp-clock-stream-handle>
  <ptp-statistics-local-ip>
    ptp-statistics-local-ip
  </ptp-statistics-local-ip>
  <ptp-statistics-remote-ip>
    ptp-statistics-remote-ip
  </ptp-statistics-remote-ip>
  <ptp-clock-statistics-in-unicast-packets>
    ptp-clock-statistics-in-unicast-packets
  </ptp-clock-statistics-in-unicast-packets>
  <ptp-clock-statistics-in-discards>
    ptp-clock-statistics-in-discards
  </ptp-clock-statistics-in-discards>
  <ptp-clock-statistics-in-errors>
    ptp-clock-statistics-in-errors
  </ptp-clock-statistics-in-errors>
  <ptp-clock-statistics-in-unknown-protocols>
    ptp-clock-statistics-in-unknown-protocols
  </ptp-clock-statistics-in-unknown-protocols>
  <ptp-clock-statistics-out-unicast-packets>
    ptp-clock-statistics-out-unicast-packets
  </ptp-clock-statistics-out-unicast-packets>
  <ptp-clock-statistics-out-discards>
    ptp-clock-statistics-out-discards
  </ptp-clock-statistics-out-discards>
  <ptp-clock-statistics-out-errors>
    ptp-clock-statistics-out-errors
  </ptp-clock-statistics-out-errors>
</ptp-statistics>
```

**Description** Show clock stream statistics

### <ptp-threads>

#### Usage

```
<ptp-threads>
  <ptp-thread-id>
    ptp-thread-id
  </ptp-thread-id>
  <ptp-thread-name>
    ptp-thread-name
  </ptp-thread-name>
  <ptp-thread-entry-function-pointer>
    ptp-thread-entry-function-pointer
  </ptp-thread-entry-function-pointer>
  <ptp-thread-priority>
    ptp-thread-priority
  </ptp-thread-priority>
  <ptp-thread-total>
    ptp-thread-total
  </ptp-thread-total>
</ptp-threads>
```

**Description** Show PTP thread details

### <ptp-zarlink-config>

#### Usage

```
<ptp-zarlink-config>
  <ptp-version>
    ptp-version
  </ptp-version>
  <ptp-domain>
    ptp-domain
  </ptp-domain>
  <ptp-priority1>
    ptp-priority1
  </ptp-priority1>
  <ptp-priority2>
    ptp-priority2
  </ptp-priority2>
  <ptp-clock-mode>
    ptp-clock-mode
  </ptp-clock-mode>
  <ptp-delay-request>
    ptp-delay-request
  </ptp-delay-request>
  <ptp-announce-timeout>
    ptp-announce-timeout
  </ptp-announce-timeout>
  <ptp-announce-interval>
    ptp-announce-interval
  </ptp-announce-interval>
```

```
<ptp-synchronization-interval>
  ptp-synchronization-interval
</ptp-synchronization-interval>
<ptp-clock-stepping>
  ptp-clock-stepping
</ptp-clock-stepping>
<ptp-clock-accuracy>
  ptp-clock-accuracy
</ptp-clock-accuracy>
<ptp-clock-quality>
  ptp-clock-quality
</ptp-clock-quality>
<ptp-clock-log-variance>
  ptp-clock-log-variance
</ptp-clock-log-variance>
<ptp-clock-identity>
  ptp-clock-identity
</ptp-clock-identity>
<ptp-delay-response>
  ptp-delay-response
</ptp-delay-response>
</ptp-zarlink-config>
```

**Description** Show applied configuration for PTP

---

## Summary of Class-of-Service Response Tags

### <adaptive-shaper>

#### Usage

```
<adaptive-shaper>
  <adaptive-shaper-name>
    adaptive-shaper-name
  </adaptive-shaper-name>
  <table-index>
    table-index
  </table-index>
  <trigger-item>.....</trigger-item>
</adaptive-shaper>
```

**Description** Class-of-service adaptive shaper

### <adaptive-shaper>

#### Usage

```
<cos-adaptive-shaper-information>
  <adaptive-shaper>
    <adaptive-shaper-name>
      adaptive-shaper-name
    </adaptive-shaper-name>
    <table-index>
      table-index
```



```

</table-index>
<trigger-item>....</trigger-item>
</adaptive-shaper>
</cos-adaptive-shaper-information>

```

**Description** Class-of-service adaptive shaper

### <alias-map>

#### Usage

```

<code-point-map>
  <alias-map>
    <alias-map-item>....</alias-map-item>
  </alias-map>
</code-point-map>

```

#### Description

### <alias-map>

#### Usage

```

<cos-code-point-map-information>
  <code-point-map>
    <alias-map>
      <alias-map-item>....</alias-map-item>
    </alias-map>
  </code-point-map>
</cos-code-point-map-information>

```

#### Description

### <alias-map>

#### Usage

```

<cos-information>
  <cos-code-point-map-information>
    <code-point-map>
      <alias-map>
        <alias-map-item>....</alias-map-item>
      </alias-map>
    </code-point-map>
  </cos-code-point-map-information>
</cos-information>

```

#### Description

### <alias-map-item>

#### Usage

```

<code-point-map>
  <alias-map>

```

```
<alias-map-item>
  <code-point-bits>
    code-point-bits
  </code-point-bits>
  <code-point-alias>
    code-point-alias
  </code-point-alias>
</alias-map-item>
</alias-map>
</code-point-map>
```

#### Description

#### <alias-map-item>

##### Usage

```
<cos-code-point-map-information>
  <code-point-map>
    <alias-map>
      <alias-map-item>
        <code-point-bits>
          code-point-bits
        </code-point-bits>
        <code-point-alias>
          code-point-alias
        </code-point-alias>
      </alias-map-item>
    </alias-map>
  </code-point-map>
</cos-code-point-map-information>
```

#### Description

#### <alias-map-item>

##### Usage

```
<cos-information>
  <cos-code-point-map-information>
    <code-point-map>
      <alias-map>
        <alias-map-item>
          <code-point-bits>
            code-point-bits
          </code-point-bits>
          <code-point-alias>
            code-point-alias
          </code-point-alias>
        </alias-map-item>
      </alias-map>
    </code-point-map>
  </cos-code-point-map-information>
</cos-information>
```

## Description

## &lt;channel&gt;

## Usage

```

<virtual-channel-group>
  <channel>
    <virtual-channel-name>
      virtual-channel-name
    </virtual-channel-name>
    <scheduler-map-name>
      scheduler-map-name
    </scheduler-map-name>
    <channel-shaping-rate>
      channel-shaping-rate
    </channel-shaping-rate>
    <adjustment-shape-value>
      adjustment-shape-value
    </adjustment-shape-value>
  </channel>
</virtual-channel-group>

```

## Description

## &lt;channel&gt;

## Usage

```

<cos-virtual-channel-group-information>
  <virtual-channel-group>
    <channel>
      <virtual-channel-name>
        virtual-channel-name
      </virtual-channel-name>
      <scheduler-map-name>
        scheduler-map-name
      </scheduler-map-name>
      <channel-shaping-rate>
        channel-shaping-rate
      </channel-shaping-rate>
      <adjustment-shape-value>
        adjustment-shape-value
      </adjustment-shape-value>
    </channel>
  </virtual-channel-group>
</cos-virtual-channel-group-information>

```

## Description

## &lt;classifier&gt;

## Usage

```

<classifier>
  <classifier-name>
    classifier-name

```

```
</classifier-name>
<code-point-type>
  code-point-type
</code-point-type>
<table-index>
  table-index
</table-index>
<classifier-map>....</classifier-map>
</classifier>
```

**Description** Class-of-service code point classifier

## <classifier>

### Usage

```
<cos-classifier-information>
<classifier>
  <classifier-name>
    classifier-name
  </classifier-name>
  <code-point-type>
    code-point-type
  </code-point-type>
  <table-index>
    table-index
  </table-index>
  <classifier-map>....</classifier-map>
</classifier>
</cos-classifier-information>
```

**Description** Class-of-service code point classifier

## <classifier>

### Usage

```
<cos-information>
<cos-classifier-information>
  <classifier>
    <classifier-name>
      classifier-name
    </classifier-name>
    <code-point-type>
      code-point-type
    </code-point-type>
    <table-index>
      table-index
    </table-index>
    <classifier-map>....</classifier-map>
  </classifier>
</cos-classifier-information>
</cos-information>
```

**Description** Class-of-service code point classifier

### <classifier-map>

**Usage**

```
<classifier>
  <classifier-map>
    <classifier-map-item>....</classifier-map-item>
  </classifier-map>
</classifier>
```

**Description**

### <classifier-map>

**Usage**

```
<cos-classifier-information>
  <classifier>
    <classifier-map>
      <classifier-map-item>....</classifier-map-item>
    </classifier-map>
  </classifier>
</cos-classifier-information>
```

**Description**

### <classifier-map>

**Usage**

```
<cos-information>
  <cos-classifier-information>
    <classifier>
      <classifier-map>
        <classifier-map-item>....</classifier-map-item>
      </classifier-map>
    </classifier>
  </cos-classifier-information>
</cos-information>
```

**Description**

### <classifier-map-item>

**Usage**

```
<classifier>
  <classifier-map>
    <classifier-map-item>
      <code-point>
        code-point
      </code-point>
      <fc-name>
        fc-name
      </fc-name>
```

```
<loss-priority>
  loss-priority
</loss-priority>
<cntag-present>
  cntag-present
</cntag-present>
</classifier-map-item>
</classifier-map>
</classifier>
```

#### Description

### <classifier-map-item>

#### Usage

```
<cos-classifier-information>
  <classifier>
    <classifier-map>
      <classifier-map-item>
        <code-point>
          code-point
        </code-point>
        <fc-name>
          fc-name
        </fc-name>
        <loss-priority>
          loss-priority
        </loss-priority>
        <cntag-present>
          cntag-present
        </cntag-present>
      </classifier-map-item>
    </classifier-map>
  </classifier>
</cos-classifier-information>
```

#### Description

### <classifier-map-item>

#### Usage

```
<cos-information>
  <cos-classifier-information>
    <classifier>
      <classifier-map>
        <classifier-map-item>
          <code-point>
            code-point
          </code-point>
          <fc-name>
            fc-name
          </fc-name>
          <loss-priority>
            loss-priority
```

```

        </loss-priority>
        <cntag-present>
            cntag-present
        </cntag-present>
    </classifier-map-item>
</classifier-map>
</classifier>
</cos-classifier-information>
</cos-information>

```

#### Description

### <classifier-table>

#### Usage

```

<cos-classifier-table-information>
  <classifier-table>
    <table-index>
      table-index
    </table-index>
    <number-of-entries>
      number-of-entries
    </number-of-entries>
    <table-type>
      table-type
    </table-type>
    <classifier-table-entry>....</classifier-table-entry>
  </classifier-table>
</cos-classifier-table-information>

```

#### Description

### <classifier-table>

#### Usage

```

<cos-table-information>
  <cos-classifier-table-information>
    <classifier-table>
      <table-index>
        table-index
      </table-index>
      <number-of-entries>
        number-of-entries
      </number-of-entries>
      <table-type>
        table-type
      </table-type>
      <classifier-table-entry>....</classifier-table-entry>
    </classifier-table>
  </cos-classifier-table-information>
</cos-table-information>

```

#### Description

## <classifier-table-entry>

### Usage

```
<cos-classifier-table-information>
  <classifier-table>
    <classifier-table-entry>
      <table-index>
        table-index
      </table-index>
      <code-point>
        code-point
      </code-point>
      <fc-queue-number>
        fc-queue-number
      </fc-queue-number>
      <loss-priority>
        loss-priority
      </loss-priority>
    </classifier-table-entry>
  </classifier-table>
</cos-classifier-table-information>
```

### Description

## <classifier-table-entry>

### Usage

```
<cos-table-information>
  <cos-classifier-table-information>
    <classifier-table>
      <classifier-table-entry>
        <table-index>
          table-index
        </table-index>
        <code-point>
          code-point
        </code-point>
        <fc-queue-number>
          fc-queue-number
        </fc-queue-number>
        <loss-priority>
          loss-priority
        </loss-priority>
      </classifier-table-entry>
    </classifier-table>
  </cos-classifier-table-information>
</cos-table-information>
```

### Description



**<classifier-table-map>****Usage**

```

<cos-classifier-table-map-information>
  <classifier-table-map>
    <table-index>
      table-index
    </table-index>
    <table-type>
      table-type
    </table-type>
    <logical-interface>
      logical-interface
    </logical-interface>
    <logical-interface-index>
      logical-interface-index
    </logical-interface-index>
  </classifier-table-map>
</cos-classifier-table-map-information>

```

**Description****<classifier-table-map>****Usage**

```

<cos-table-information>
  <cos-classifier-table-map-information>
    <classifier-table-map>
      <table-index>
        table-index
      </table-index>
      <table-type>
        table-type
      </table-type>
      <logical-interface>
        logical-interface
      </logical-interface>
      <logical-interface-index>
        logical-interface-index
      </logical-interface-index>
    </classifier-table-map>
  </cos-classifier-table-map-information>
</cos-table-information>

```

**Description****<cls-md-map>****Usage**

```

<cos-multi-destination-information>
  <cls-md-map>
    <multidest-classifier-name>
      multidest-classifier-name
    </multidest-classifier-name>
  </cls-md-map>
</cos-multi-destination-information>

```

```
</multidest-classifier-name>
<multidest-classifier-type>
  multidest-classifier-type
</multidest-classifier-type>
<multidest-classifier-index>
  multidest-classifier-index
</multidest-classifier-index>
</cls-md-map>
</cos-multi-destination-information>
```

#### Description

### <cls-md-map>

#### Usage

```
<cos-information>
  <cos-multi-destination-information>
    <cls-md-map>
      <multidest-classifier-name>
        multidest-classifier-name
      </multidest-classifier-name>
      <multidest-classifier-type>
        multidest-classifier-type
      </multidest-classifier-type>
      <multidest-classifier-index>
        multidest-classifier-index
      </multidest-classifier-index>
    </cls-md-map>
  </cos-multi-destination-information>
</cos-information>
```

#### Description

### <code-point-map>

#### Usage

```
<code-point-map>
  <code-point-type>
    code-point-type
  </code-point-type>
  <alias-map>.....</alias-map>
</code-point-map>
```

**Description**    Class-of-service code point alias map

### <code-point-map>

#### Usage

```
<cos-code-point-map-information>
  <code-point-map>
    <code-point-type>
      code-point-type
```

```
</code-point-type>
<alias-map>....</alias-map>
</code-point-map>
</cos-code-point-map-information>
```

**Description** Class-of-service code point alias map

### <code-point-map>

#### Usage

```
<cos-information>
<cos-code-point-map-information>
<code-point-map>
<code-point-type>
  code-point-type
</code-point-type>
<alias-map>....</alias-map>
</code-point-map>
</cos-code-point-map-information>
</cos-information>
```

**Description** Class-of-service code point alias map

### <congestion-notification-map>

#### Usage

```
<cos-congestion-notification-information>
<cos-congestion-notification>
<congestion-notification-map>
  <congestion-notification-map-item>....</congestion-notification-map-item>
</congestion-notification-map>
</cos-congestion-notification>
</cos-congestion-notification-information>
```

**Description**

### <congestion-notification-map-item>

#### Usage

```
<cos-congestion-notification-information>
<cos-congestion-notification>
<congestion-notification-map>
  <congestion-notification-map-item>
    <pfc-priority>
      pfc-priority
    </pfc-priority>
    <pfc-enable-state>
      pfc-enable-state
    </pfc-enable-state>
  </congestion-notification-map-item>
</congestion-notification-map>
```

```
</cos-congestion-notification>  
</cos-congestion-notification-information>
```

#### Description

### <cos-adaptive-shaper-information>

#### Usage

```
<cos-adaptive-shaper-information>  
  <adaptive-shaper>....</adaptive-shaper>  
</cos-adaptive-shaper-information>
```

#### Description

### <cos-classifier-information>

#### Usage

```
<cos-classifier-information>  
  <classifier>....</classifier>  
</cos-classifier-information>
```

#### Description

### <cos-classifier-information>

#### Usage

```
<cos-information>  
  <cos-classifier-information>  
    <classifier>....</classifier>  
  </cos-classifier-information>  
</cos-information>
```

#### Description

### <cos-classifier-table-information>

#### Usage

```
<cos-classifier-table-information>  
  <classifier-table>....</classifier-table>  
</cos-classifier-table-information>
```

#### Description

### <cos-classifier-table-information>

#### Usage

```
<cos-table-information>  
  <cos-classifier-table-information>  
    <classifier-table>....</classifier-table>  
  </cos-classifier-table-information>
```

</cos-table-information>

Description

<cos-classifier-table-map-information>

Usage

```
<cos-classifier-table-map-information>
  <classifier-table-map>....</classifier-table-map>
</cos-classifier-table-map-information>
```

Description

<cos-classifier-table-map-information>

Usage

```
<cos-table-information>
  <cos-classifier-table-map-information>
    <classifier-table-map>....</classifier-table-map>
  </cos-classifier-table-map-information>
</cos-table-information>
```

Description

<cos-code-point-map-information>

Usage

```
<cos-code-point-map-information>
  <code-point-map>....</code-point-map>
</cos-code-point-map-information>
```

Description

<cos-code-point-map-information>

Usage

```
<cos-information>
  <cos-code-point-map-information>
    <code-point-map>....</code-point-map>
  </cos-code-point-map-information>
</cos-information>
```

Description

<cos-congestion-notification>

Usage

```
<cos-congestion-notification-information>
  <cos-congestion-notification>
    <congestion-notification-type>
      congestion-notification-type
    </congestion-notification-type>
  </cos-congestion-notification>
</cos-congestion-notification-information>
```

```
</congestion-notification-type>
<congestion-notification-name>
  congestion-notification-name
</congestion-notification-name>
<congestion-notification-id>
  congestion-notification-id
</congestion-notification-id>
<congestion-notification-map>....</congestion-notification-map>
</cos-congestion-notification>
</cos-congestion-notification-information>
```

#### Description

### <cos-congestion-notification-information>

#### Usage

```
<cos-congestion-notification-information>
  <cos-congestion-notification>....</cos-congestion-notification>
</cos-congestion-notification-information>
```

#### Description

### <cos-drop-profile-information>

#### Usage

```
<cos-drop-profile-information>
  <drop-profile>....</drop-profile>
</cos-drop-profile-information>
```

#### Description

### <cos-drop-profile-information>

#### Usage

```
<cos-information>
  <cos-drop-profile-information>
    <drop-profile>....</drop-profile>
  </cos-drop-profile-information>
</cos-information>
```

#### Description

### <cos-fabric-scheduler-map-information>

#### Usage

```
<cos-fabric-scheduler-map-information>
  <fabric-scheduler-map>....</fabric-scheduler-map>
</cos-fabric-scheduler-map-information>
```

#### Description

### <cos-fabric-scheduler-map-table-information>

#### Usage

```
<cos-fabric-scheduler-map-table-information>  
  <fabric-scheduler-map-table>....</fabric-scheduler-map-table>  
</cos-fabric-scheduler-map-table-information>
```

#### Description

### <cos-forwarding-class-information>

#### Usage

```
<cos-forwarding-class-information>  
  <fc-map>....</fc-map>  
</cos-forwarding-class-information>
```

#### Description

### <cos-forwarding-class-information>

#### Usage

```
<cos-information>  
  <cos-forwarding-class-information>  
    <fc-map>....</fc-map>  
  </cos-forwarding-class-information>  
</cos-information>
```

#### Description

### <cos-forwarding-class-map-information>

#### Usage

```
<cos-forwarding-class-map-information>  
  <fc-map>....</fc-map>  
</cos-forwarding-class-map-information>
```

#### Description

### <cos-forwarding-class-map-information>

#### Usage

```
<cos-information>  
  <cos-forwarding-class-map-information>  
    <fc-map>....</fc-map>  
  </cos-forwarding-class-map-information>  
</cos-information>
```

#### Description

### <cos-forwarding-class-map-interface-table-information>

#### Usage

```
<cos-forwarding-class-map-interface-table-information>  
  <forwarding-class-queue-table-map>....</forwarding-class-queue-table-map>  
</cos-forwarding-class-map-interface-table-information>
```

#### Description

### <cos-forwarding-class-map-table-information>

#### Usage

```
<cos-forwarding-class-map-table-information>  
  <forwarding-class-queue-table>....</forwarding-class-queue-table>  
</cos-forwarding-class-map-table-information>
```

#### Description

### <cos-forwarding-class-set-information>

#### Usage

```
<cos-forwarding-class-set-information>  
  <forwarding-class-set>....</forwarding-class-set>  
</cos-forwarding-class-set-information>
```

#### Description

### <cos-forwarding-class-set-information>

#### Usage

```
<cos-information>  
  <cos-forwarding-class-set-information>  
    <forwarding-class-set>....</forwarding-class-set>  
  </cos-forwarding-class-set-information>  
</cos-information>
```

#### Description

### <cos-fragmentation-map-information>

#### Usage

```
<cos-fragmentation-map-information>  
  <fragmentation-map>....</fragmentation-map>  
</cos-fragmentation-map-information>
```

#### Description

### <cos-fragmentation-map-information>

#### Usage

```
<cos-information>
```



```
<cos-fragmentation-map-information>
  <fragmentation-map>....</fragmentation-map>
</cos-fragmentation-map-information>
</cos-information>
```

**Description****<cos-information>****Usage**

```
<cos-information>
  <cos-forwarding-class-information>....</cos-forwarding-class-information>

  <cos-forwarding-class-map-information>....</cos-forwarding-class-map-information>

  <cos-classifier-information>....</cos-classifier-information>
  <cos-loss-priority-map-information>....</cos-loss-priority-map-information>
  <cos-drop-profile-information>....</cos-drop-profile-information>
  <cos-rewrite-information>....</cos-rewrite-information>
  <cos-loss-priority-rewrite-information>....</cos-loss-priority-rewrite-information>

  <cos-code-point-map-information>....</cos-code-point-map-information>
  <cos-fragmentation-map-information>....</cos-fragmentation-map-information>

  <cos-translation-table-map-information>....</cos-translation-table-map-information>

  <cos-multi-destination-information>....</cos-multi-destination-information>
  <cos-forwarding-class-set-information>....</cos-forwarding-class-set-information>

</cos-information>
```

**Description****<cos-interface-information>****Usage**

```
<cos-interface-information>
  <interface-map>....</interface-map>
</cos-interface-information>
```

**Description****<cos-interface-set-information>****Usage**

```
<cos-interface-set-information>
  <interface-set-map>....</interface-set-map>
</cos-interface-set-information>
```

**Description**

### <cos-l2tp-session-information>

#### Usage

```
<cos-l2tp-session-information>  
  <l2tp-session-map>....</l2tp-session-map>  
</cos-l2tp-session-information>
```

#### Description

### <cos-loss-priority-map-information>

#### Usage

```
<cos-loss-priority-map-information>  
  <loss-priority-map>....</loss-priority-map>  
</cos-loss-priority-map-information>
```

#### Description

### <cos-loss-priority-map-information>

#### Usage

```
<cos-information>  
  <cos-loss-priority-map-information>  
    <loss-priority-map>....</loss-priority-map>  
  </cos-loss-priority-map-information>  
</cos-information>
```

#### Description

### <cos-loss-priority-map-table-binding-information>

#### Usage

```
<cos-loss-priority-map-table-binding-information>  
  <loss-priority-map-table-binding>....</loss-priority-map-table-binding>  
</cos-loss-priority-map-table-binding-information>
```

#### Description

### <cos-loss-priority-map-table-binding-information>

#### Usage

```
<cos-table-information>  
  <cos-loss-priority-map-table-binding-information>  
    <loss-priority-map-table-binding>....</loss-priority-map-table-binding>  
  </cos-loss-priority-map-table-binding-information>  
</cos-table-information>
```

#### Description

### <cos-loss-priority-map-table-information>

#### Usage

```
<cos-loss-priority-map-table-information>  
  <loss-priority-map-table>....</loss-priority-map-table>  
</cos-loss-priority-map-table-information>
```

#### Description

### <cos-loss-priority-map-table-information>

#### Usage

```
<cos-table-information>  
  <cos-loss-priority-map-table-information>  
    <loss-priority-map-table>....</loss-priority-map-table>  
  </cos-loss-priority-map-table-information>  
</cos-table-information>
```

#### Description

### <cos-loss-priority-rewrite-information>

#### Usage

```
<cos-loss-priority-rewrite-information>  
  <loss-priority-rewrite>....</loss-priority-rewrite>  
</cos-loss-priority-rewrite-information>
```

#### Description

### <cos-loss-priority-rewrite-information>

#### Usage

```
<cos-information>  
  <cos-loss-priority-rewrite-information>  
    <loss-priority-rewrite>....</loss-priority-rewrite>  
  </cos-loss-priority-rewrite-information>  
</cos-information>
```

#### Description

### <cos-loss-priority-rewrite-table-binding-information>

#### Usage

```
<cos-loss-priority-rewrite-table-binding-information>  
  <loss-priority-rewrite-table-binding>....</loss-priority-rewrite-table-binding>  
</cos-loss-priority-rewrite-table-binding-information>
```

#### Description

### <cos-loss-priority-rewrite-table-binding-information>

#### Usage

```
<cos-table-information>
  <cos-loss-priority-rewrite-table-binding-information>
    <loss-priority-rewrite-table-binding>....</loss-priority-rewrite-table-binding>
  </cos-loss-priority-rewrite-table-binding-information>
</cos-table-information>
```

#### Description

### <cos-loss-priority-rewrite-table-information>

#### Usage

```
<cos-loss-priority-rewrite-table-information>
  <loss-priority-rewrite-table>....</loss-priority-rewrite-table>
</cos-loss-priority-rewrite-table-information>
```

#### Description

### <cos-loss-priority-rewrite-table-information>

#### Usage

```
<cos-table-information>
  <cos-loss-priority-rewrite-table-information>
    <loss-priority-rewrite-table>....</loss-priority-rewrite-table>
  </cos-loss-priority-rewrite-table-information>
</cos-table-information>
```

#### Description

### <cos-multi-destination-information>

#### Usage

```
<cos-multi-destination-information>
  <sm-md-map>....</sm-md-map>
  <fc-md-map>....</fc-md-map>
  <cls-md-map>....</cls-md-map>
</cos-multi-destination-information>
```

#### Description

### <cos-multi-destination-information>

#### Usage

```
<cos-information>
  <cos-multi-destination-information>
    <sm-md-map>....</sm-md-map>
    <fc-md-map>....</fc-md-map>
    <cls-md-map>....</cls-md-map>
  </cos-multi-destination-information>
```

</cos-information>

#### Description

### <cos-policer-table-map-information>

#### Usage

```
<cos-policer-table-map-information>
  <policer-table-map>....</policer-table-map>
</cos-policer-table-map-information>
```

#### Description

### <cos-policer-table-map-information>

#### Usage

```
<cos-table-information>
  <cos-policer-table-map-information>
    <policer-table-map>....</policer-table-map>
  </cos-policer-table-map-information>
</cos-table-information>
```

#### Description

### <cos-red-information>

#### Usage

```
<cos-red-information>
  <red>....</red>
</cos-red-information>
```

#### Description

### <cos-red-information>

#### Usage

```
<cos-table-information>
  <cos-red-information>
    <red>....</red>
  </cos-red-information>
</cos-table-information>
```

#### Description

### <cos-rewrite-information>

#### Usage

```
<cos-rewrite-information>
  <rewrite>....</rewrite>
</cos-rewrite-information>
```

**Description****<cos-rewrite-information>****Usage**

```
<cos-information>
  <cos-rewrite-information>
    <rewrite>....</rewrite>
  </cos-rewrite-information>
</cos-information>
```

**Description****<cos-rewrite-table-information>****Usage**

```
<cos-rewrite-table-information>
  <rewrite-table>....</rewrite-table>
</cos-rewrite-table-information>
```

**Description****<cos-rewrite-table-information>****Usage**

```
<cos-table-information>
  <cos-rewrite-table-information>
    <rewrite-table>....</rewrite-table>
  </cos-rewrite-table-information>
</cos-table-information>
```

**Description****<cos-rewrite-table-map-information>****Usage**

```
<cos-rewrite-table-map-information>
  <rewrite-table-map>....</rewrite-table-map>
</cos-rewrite-table-map-information>
```

**Description****<cos-rewrite-table-map-information>****Usage**

```
<cos-table-information>
  <cos-rewrite-table-map-information>
    <rewrite-table-map>....</rewrite-table-map>
  </cos-rewrite-table-map-information>
</cos-table-information>
```

**Description****<cos-routing-instance-information>****Usage**

```
<cos-routing-instance-information>
  <routing-instance-map>....</routing-instance-map>
</cos-routing-instance-information>
```

**Description****<cos-scheduler-map-information>****Usage**

```
<cos-scheduler-map-information>
  <scheduler-map>....</scheduler-map>
</cos-scheduler-map-information>
```

**Description****<cos-scheduler-map-table-information>****Usage**

```
<cos-scheduler-map-table-information>
  <policy>....</policy>
</cos-scheduler-map-table-information>
```

**Description****<cos-scheduler-map-table-information>****Usage**

```
<cos-table-information>
  <cos-scheduler-map-table-information>
    <policy>....</policy>
  </cos-scheduler-map-table-information>
</cos-table-information>
```

**Description****<cos-shaper-table-map-information>****Usage**

```
<cos-shaper-table-map-information>
  <shaper-table-map>....</shaper-table-map>
</cos-shaper-table-map-information>
```

**Description**

## <cos-shaper-table-map-information>

### Usage

```
<cos-table-information>
  <cos-shaper-table-map-information>
    <shaper-table-map>....</shaper-table-map>
  </cos-shaper-table-map-information>
</cos-table-information>
```

### Description

## <cos-table-information>

### Usage

```
<cos-table-information>
  <cos-classifier-table-information>....</cos-classifier-table-information>
  <cos-classifier-table-map-information>....</cos-classifier-table-map-information>

  <cos-loss-priority-map-table-information>....</cos-loss-priority-map-table-information>

  <cos-loss-priority-map-table-binding-information>....</cos-loss-priority-map-table-binding-information>

  <cos-scheduler-map-table-information>....</cos-scheduler-map-table-information>
  <cos-red-information>....</cos-red-information>
  <cos-rewrite-table-information>....</cos-rewrite-table-information>
  <cos-rewrite-table-map-information>....</cos-rewrite-table-map-information>

  <cos-loss-priority-rewrite-table-information>....</cos-loss-priority-rewrite-table-information>

  <cos-loss-priority-rewrite-table-binding-information>....</cos-loss-priority-rewrite-table-binding-information>

  <cos-policer-table-map-information>....</cos-policer-table-map-information>
  <cos-shaper-table-map-information>....</cos-shaper-table-map-information>
</cos-table-information>
```

### Description

## <cos-traffic-control-profile-information>

### Usage

```
<cos-traffic-control-profile-information>
  <traffic-control-profile>....</traffic-control-profile>
</cos-traffic-control-profile-information>
```

### Description



### <cos-translation-table-information>

#### Usage

```
<cos-translation-table-information>  
  <translation-table>....</translation-table>  
</cos-translation-table-information>
```

#### Description

### <cos-translation-table-map-information>

#### Usage

```
<cos-translation-table-map-information>  
  <translation-table>....</translation-table>  
</cos-translation-table-map-information>
```

#### Description

### <cos-translation-table-map-information>

#### Usage

```
<cos-information>  
  <cos-translation-table-map-information>  
    <translation-table>....</translation-table>  
  </cos-translation-table-map-information>  
</cos-information>
```

#### Description

### <cos-translation-table-mapping-information>

#### Usage

```
<cos-translation-table-mapping-information>  
  <translation-table-mapping>....</translation-table-mapping>  
</cos-translation-table-mapping-information>
```

#### Description

### <cos-virtual-channel-group-information>

#### Usage

```
<cos-virtual-channel-group-information>  
  <virtual-channel-group>....</virtual-channel-group>  
</cos-virtual-channel-group-information>
```

#### Description

### <cos-virtual-channel-information>

#### Usage

```
<cos-virtual-channel-information>
```

```
<virtual-channel>....</virtual-channel>
</cos-virtual-channel-information>
```

**Description****<drop-profile>****Usage**

```
<drop-profile>
  <profile-name>
    profile-name
  </profile-name>
  <profile-type>
    profile-type
  </profile-type>
  <table-index>
    table-index
  </table-index>
  <profile-map>....</profile-map>
</drop-profile>
```

**Description**    Class-of-service drop profile

**<drop-profile>****Usage**

```
<cos-drop-profile-information>
  <drop-profile>
    <profile-name>
      profile-name
    </profile-name>
    <profile-type>
      profile-type
    </profile-type>
    <table-index>
      table-index
    </table-index>
    <profile-map>....</profile-map>
  </drop-profile>
</cos-drop-profile-information>
```

**Description**    Class-of-service drop profile

**<drop-profile>****Usage**

```
<cos-information>
  <cos-drop-profile-information>
    <drop-profile>
      <profile-name>
        profile-name
      </profile-name>
    </drop-profile>
  </cos-drop-profile-information>
</cos-information>
```

```

    </profile-name>
    <profile-type>
      profile-type
    </profile-type>
    <table-index>
      table-index
    </table-index>
    <profile-map>....</profile-map>
  </drop-profile>
</cos-drop-profile-information>
</cos-information>

```

**Description** Class-of-service drop profile

## <drop-statistics>

### Usage

```

<drop-statistics>
  <drop-pkts-high>
    drop-pkts-high
  </drop-pkts-high>
  <drop-pkts-low>
    drop-pkts-low
  </drop-pkts-low>
  <drop-bytes-high>
    drop-bytes-high
  </drop-bytes-high>
  <drop-bytes-low>
    drop-bytes-low
  </drop-bytes-low>
  <drop-pps-high>
    drop-pps-high
  </drop-pps-high>
  <drop-pps-low>
    drop-pps-low
  </drop-pps-low>
  <drop-bps-high>
    drop-bps-high
  </drop-bps-high>
  <drop-bps-low>
    drop-bps-low
  </drop-bps-low>
</drop-statistics>

```

**Description** Drop statistics

## <drop-statistics>

### Usage

```

<fpc-queue-information>
  <drop-statistics>
    <drop-pkts-high>

```

```
    drop-pkts-high
  </drop-pkts-high>
  <drop-pkts-low>
    drop-pkts-low
  </drop-pkts-low>
  <drop-bytes-high>
    drop-bytes-high
  </drop-bytes-high>
  <drop-bytes-low>
    drop-bytes-low
  </drop-bytes-low>
  <drop-pps-high>
    drop-pps-high
  </drop-pps-high>
  <drop-pps-low>
    drop-pps-low
  </drop-pps-low>
  <drop-bps-high>
    drop-bps-high
  </drop-bps-high>
  <drop-bps-low>
    drop-bps-low
  </drop-bps-low>
</drop-statistics>
</fpc-queue-information>
```

**Description** Drop statistics

## <drop-statistics>

### Usage

```
<fabric-queue-information>
  <fpc-queue-information>
    <drop-statistics>
      <drop-pkts-high>
        drop-pkts-high
      </drop-pkts-high>
      <drop-pkts-low>
        drop-pkts-low
      </drop-pkts-low>
      <drop-bytes-high>
        drop-bytes-high
      </drop-bytes-high>
      <drop-bytes-low>
        drop-bytes-low
      </drop-bytes-low>
      <drop-pps-high>
        drop-pps-high
      </drop-pps-high>
      <drop-pps-low>
        drop-pps-low
      </drop-pps-low>
      <drop-bps-high>
        drop-bps-high
      </drop-bps-high>
```

```

</drop-bps-high>
<drop-bps-low>
  drop-bps-low
</drop-bps-low>
</drop-statistics>
</fpc-queue-information>
</fabric-queue-information>

```

**Description** Drop statistics

## <fabric-queue-information>

### Usage

```

<fabric-queue-information>
  <fpc-queue-information>....</fpc-queue-information>
</fabric-queue-information>

```

**Description**

## <fabric-scheduler>

### Usage

```

<fabric-scheduler-map>
  <fabric-scheduler>
    <fabric-scheduler-name>
      fabric-scheduler-name
    </fabric-scheduler-name>
    <fabric-scheduler-index>
      fabric-scheduler-index
    </fabric-scheduler-index>
    <fabric-scheduler-drop-profile-ln-index>
      fabric-scheduler-drop-profile-ln-index
    </fabric-scheduler-drop-profile-ln-index>
    <fabric-scheduler-drop-profile-ln>
      fabric-scheduler-drop-profile-ln
    </fabric-scheduler-drop-profile-ln>
    <fabric-scheduler-drop-profile-lt-index>
      fabric-scheduler-drop-profile-lt-index
    </fabric-scheduler-drop-profile-lt-index>
    <fabric-scheduler-drop-profile-lt>
      fabric-scheduler-drop-profile-lt
    </fabric-scheduler-drop-profile-lt>
    <fabric-scheduler-drop-profile-hn-index>
      fabric-scheduler-drop-profile-hn-index
    </fabric-scheduler-drop-profile-hn-index>
    <fabric-scheduler-drop-profile-hn>
      fabric-scheduler-drop-profile-hn
    </fabric-scheduler-drop-profile-hn>
    <fabric-scheduler-drop-profile-ht-index>
      fabric-scheduler-drop-profile-ht-index
    </fabric-scheduler-drop-profile-ht-index>
    <fabric-scheduler-drop-profile-ht>
      fabric-scheduler-drop-profile-ht

```

```
</fabric-scheduler-drop-profile-ht>
</fabric-scheduler>
</fabric-scheduler-map>
```

#### Description

### <fabric-scheduler>

#### Usage

```
<cos-fabric-scheduler-map-information>
  <fabric-scheduler-map>
    <fabric-scheduler>
      <fabric-scheduler-name>
        fabric-scheduler-name
      </fabric-scheduler-name>
      <fabric-scheduler-index>
        fabric-scheduler-index
      </fabric-scheduler-index>
      <fabric-scheduler-drop-profile-ln-index>
        fabric-scheduler-drop-profile-ln-index
      </fabric-scheduler-drop-profile-ln-index>
      <fabric-scheduler-drop-profile-ln>
        fabric-scheduler-drop-profile-ln
      </fabric-scheduler-drop-profile-ln>
      <fabric-scheduler-drop-profile-lt-index>
        fabric-scheduler-drop-profile-lt-index
      </fabric-scheduler-drop-profile-lt-index>
      <fabric-scheduler-drop-profile-lt>
        fabric-scheduler-drop-profile-lt
      </fabric-scheduler-drop-profile-lt>
      <fabric-scheduler-drop-profile-hn-index>
        fabric-scheduler-drop-profile-hn-index
      </fabric-scheduler-drop-profile-hn-index>
      <fabric-scheduler-drop-profile-hn>
        fabric-scheduler-drop-profile-hn
      </fabric-scheduler-drop-profile-hn>
      <fabric-scheduler-drop-profile-ht-index>
        fabric-scheduler-drop-profile-ht-index
      </fabric-scheduler-drop-profile-ht-index>
      <fabric-scheduler-drop-profile-ht>
        fabric-scheduler-drop-profile-ht
      </fabric-scheduler-drop-profile-ht>
    </fabric-scheduler>
  </fabric-scheduler-map>
</cos-fabric-scheduler-map-information>
```

#### Description

### <fabric-scheduler-map>

#### Usage

```
<fabric-scheduler-map>
  <fabric-scheduler-priority>
    fabric-scheduler-priority
```

```

</fabric-scheduler-priority>
<fabric-scheduler>....</fabric-scheduler>
</fabric-scheduler-map>

```

#### Description

### <fabric-scheduler-map>

#### Usage

```

<cos-fabric-scheduler-map-information>
  <fabric-scheduler-map>
    <fabric-scheduler-priority>
      fabric-scheduler-priority
    </fabric-scheduler-priority>
    <fabric-scheduler>....</fabric-scheduler>
  </fabric-scheduler-map>
</cos-fabric-scheduler-map-information>

```

#### Description

### <fabric-scheduler-map-table>

#### Usage

```

<fabric-scheduler-map-table>
  <fabric-scheduler-priority>
    fabric-scheduler-priority
  </fabric-scheduler-priority>
  <fabric-scheduler-queues>
    fabric-scheduler-queues
  </fabric-scheduler-queues>
  <fabric-scheduler-table>....</fabric-scheduler-table>
</fabric-scheduler-map-table>

```

#### Description

### <fabric-scheduler-map-table>

#### Usage

```

<cos-fabric-scheduler-map-table-information>
  <fabric-scheduler-map-table>
    <fabric-scheduler-priority>
      fabric-scheduler-priority
    </fabric-scheduler-priority>
    <fabric-scheduler-queues>
      fabric-scheduler-queues
    </fabric-scheduler-queues>
    <fabric-scheduler-table>....</fabric-scheduler-table>
  </fabric-scheduler-map-table>
</cos-fabric-scheduler-map-table-information>

```

#### Description

## <fabric-scheduler-table>

### Usage

```
<fabric-scheduler-map-table>
  <fabric-scheduler-table>
    <fabric-scheduler-index>
      fabric-scheduler-index
    </fabric-scheduler-index>
    <fabric-scheduler-drop-profile-hn-index>
      fabric-scheduler-drop-profile-hn-index
    </fabric-scheduler-drop-profile-hn-index>
    <fabric-scheduler-drop-profile-ln-index>
      fabric-scheduler-drop-profile-ln-index
    </fabric-scheduler-drop-profile-ln-index>
    <fabric-scheduler-drop-profile-ht-index>
      fabric-scheduler-drop-profile-ht-index
    </fabric-scheduler-drop-profile-ht-index>
    <fabric-scheduler-drop-profile-lt-index>
      fabric-scheduler-drop-profile-lt-index
    </fabric-scheduler-drop-profile-lt-index>
  </fabric-scheduler-table>
</fabric-scheduler-map-table>
```

### Description

## <fabric-scheduler-table>

### Usage

```
<cos-fabric-scheduler-map-table-information>
  <fabric-scheduler-map-table>
    <fabric-scheduler-table>
      <fabric-scheduler-index>
        fabric-scheduler-index
      </fabric-scheduler-index>
      <fabric-scheduler-drop-profile-hn-index>
        fabric-scheduler-drop-profile-hn-index
      </fabric-scheduler-drop-profile-hn-index>
      <fabric-scheduler-drop-profile-ln-index>
        fabric-scheduler-drop-profile-ln-index
      </fabric-scheduler-drop-profile-ln-index>
      <fabric-scheduler-drop-profile-ht-index>
        fabric-scheduler-drop-profile-ht-index
      </fabric-scheduler-drop-profile-ht-index>
      <fabric-scheduler-drop-profile-lt-index>
        fabric-scheduler-drop-profile-lt-index
      </fabric-scheduler-drop-profile-lt-index>
    </fabric-scheduler-table>
  </fabric-scheduler-map-table>
</cos-fabric-scheduler-map-table-information>
```

### Description



**<fc-map>****Usage**

```
<fc-map>
  <fc-map-item>....</fc-map-item>
</fc-map>
```

**Description** Class-of-service forwarding class to queue mapping

**<fc-map>****Usage**

```
<forwarding-class-set>
  <forwarding-class-set-entry>
    <fc-map>
      <fc-map-item>....</fc-map-item>
    </fc-map>
  </forwarding-class-set-entry>
</forwarding-class-set>
```

**Description** Class-of-service forwarding class to queue mapping

**<fc-map>****Usage**

```
<cos-forwarding-class-information>
  <fc-map>
    <fc-map-item>....</fc-map-item>
  </fc-map>
</cos-forwarding-class-information>
```

**Description** Class-of-service forwarding class to queue mapping

**<fc-map>****Usage**

```
<cos-forwarding-class-map-information>
  <fc-map>
    <fc-map-item>....</fc-map-item>
  </fc-map>
</cos-forwarding-class-map-information>
```

**Description** Class-of-service forwarding class to queue mapping

**<fc-map>****Usage**

```
<cos-forwarding-class-set-information>
```

```
<forwarding-class-set>
  <forwarding-class-set-entry>
    <fc-map>
      <fc-map-item>....</fc-map-item>
    </fc-map>
  </forwarding-class-set-entry>
</forwarding-class-set>
</cos-forwarding-class-set-information>
```

**Description** Class-of-service forwarding class to queue mapping

### <fc-map>

#### Usage

```
<cos-information>
  <cos-forwarding-class-information>
    <fc-map>
      <fc-map-item>....</fc-map-item>
    </fc-map>
  </cos-forwarding-class-information>
</cos-information>
```

**Description** Class-of-service forwarding class to queue mapping

### <fc-map>

#### Usage

```
<cos-information>
  <cos-forwarding-class-map-information>
    <fc-map>
      <fc-map-item>....</fc-map-item>
    </fc-map>
  </cos-forwarding-class-map-information>
</cos-information>
```

**Description** Class-of-service forwarding class to queue mapping

### <fc-map>

#### Usage

```
<cos-information>
  <cos-forwarding-class-set-information>
    <forwarding-class-set>
      <forwarding-class-set-entry>
        <fc-map>
          <fc-map-item>....</fc-map-item>
        </fc-map>
      </forwarding-class-set-entry>
    </forwarding-class-set>
  </cos-forwarding-class-set-information>
```

```
</cos-information>
```

**Description** Class-of-service forwarding class to queue mapping

### <fc-map-item>

#### Usage

```
<fc-map>
  <fc-map-item>
    <fc-name>
      fc-name
    </fc-name>
    <fc-number>
      fc-number
    </fc-number>
    <fc-queue-number>
      fc-queue-number
    </fc-queue-number>
    <fc-rqueue-number>
      fc-rqueue-number
    </fc-rqueue-number>
    <fc-priority>
      fc-priority
    </fc-priority>
    <fc-policing-priority>
      fc-policing-priority
    </fc-policing-priority>
  </fc-map-item>
</fc-map>
```

#### Description

### <fc-map-item>

#### Usage

```
<forwarding-class-set>
  <forwarding-class-set-entry>
    <fc-map>
      <fc-map-item>
        <fc-name>
          fc-name
        </fc-name>
        <fc-number>
          fc-number
        </fc-number>
        <fc-queue-number>
          fc-queue-number
        </fc-queue-number>
        <fc-rqueue-number>
          fc-rqueue-number
        </fc-rqueue-number>
        <fc-priority>
          fc-priority
```

```
    </fc-priority>
    <fc-policing-priority>
      fc-policing-priority
    </fc-policing-priority>
  </fc-map-item>
</fc-map>
</forwarding-class-set-entry>
</forwarding-class-set>
```

#### Description

### <fc-map-item>

#### Usage

```
<cos-forwarding-class-information>
  <fc-map>
    <fc-map-item>
      <fc-name>
        fc-name
      </fc-name>
      <fc-number>
        fc-number
      </fc-number>
      <fc-queue-number>
        fc-queue-number
      </fc-queue-number>
      <fc-rqueue-number>
        fc-rqueue-number
      </fc-rqueue-number>
      <fc-priority>
        fc-priority
      </fc-priority>
      <fc-policing-priority>
        fc-policing-priority
      </fc-policing-priority>
    </fc-map-item>
  </fc-map>
</cos-forwarding-class-information>
```

#### Description

### <fc-map-item>

#### Usage

```
<cos-forwarding-class-map-information>
  <fc-map>
    <fc-map-item>
      <fc-name>
        fc-name
      </fc-name>
      <fc-number>
        fc-number
      </fc-number>
      <fc-queue-number>
```

```

    fc-queue-number
  </fc-queue-number>
  <fc-rqueue-number>
    fc-rqueue-number
  </fc-rqueue-number>
  <fc-priority>
    fc-priority
  </fc-priority>
  <fc-policing-priority>
    fc-policing-priority
  </fc-policing-priority>
</fc-map-item>
</fc-map>
</cos-forwarding-class-map-information>

```

## Description

### <fc-map-item>

## Usage

```

<cos-forwarding-class-set-information>
  <forwarding-class-set>
    <forwarding-class-set-entry>
      <fc-map>
        <fc-map-item>
          <fc-name>
            fc-name
          </fc-name>
          <fc-number>
            fc-number
          </fc-number>
          <fc-queue-number>
            fc-queue-number
          </fc-queue-number>
          <fc-rqueue-number>
            fc-rqueue-number
          </fc-rqueue-number>
          <fc-priority>
            fc-priority
          </fc-priority>
          <fc-policing-priority>
            fc-policing-priority
          </fc-policing-priority>
        </fc-map-item>
      </fc-map>
    </forwarding-class-set-entry>
  </forwarding-class-set>
</cos-forwarding-class-set-information>

```

## Description

## <fc-map-item>

### Usage

```
<cos-information>
  <cos-forwarding-class-information>
    <fc-map>
      <fc-map-item>
        <fc-name>
          fc-name
        </fc-name>
        <fc-number>
          fc-number
        </fc-number>
        <fc-queue-number>
          fc-queue-number
        </fc-queue-number>
        <fc-rqueue-number>
          fc-rqueue-number
        </fc-rqueue-number>
        <fc-priority>
          fc-priority
        </fc-priority>
        <fc-policing-priority>
          fc-policing-priority
        </fc-policing-priority>
      </fc-map-item>
    </fc-map>
  </cos-forwarding-class-information>
</cos-information>
```

### Description

## <fc-map-item>

### Usage

```
<cos-information>
  <cos-forwarding-class-map-information>
    <fc-map>
      <fc-map-item>
        <fc-name>
          fc-name
        </fc-name>
        <fc-number>
          fc-number
        </fc-number>
        <fc-queue-number>
          fc-queue-number
        </fc-queue-number>
        <fc-rqueue-number>
          fc-rqueue-number
        </fc-rqueue-number>
        <fc-priority>
          fc-priority
        </fc-priority>
```

```

    <fc-policing-priority>
      fc-policing-priority
    </fc-policing-priority>
  </fc-map-item>
</fc-map>
</cos-forwarding-class-map-information>
</cos-information>

```

#### Description

### <fc-map-item>

#### Usage

```

<cos-information>
  <cos-forwarding-class-set-information>
    <forwarding-class-set>
      <forwarding-class-set-entry>
        <fc-map>
          <fc-map-item>
            <fc-name>
              fc-name
            </fc-name>
            <fc-number>
              fc-number
            </fc-number>
            <fc-queue-number>
              fc-queue-number
            </fc-queue-number>
            <fc-rqueue-number>
              fc-rqueue-number
            </fc-rqueue-number>
            <fc-priority>
              fc-priority
            </fc-priority>
            <fc-policing-priority>
              fc-policing-priority
            </fc-policing-priority>
          </fc-map-item>
        </fc-map>
      </forwarding-class-set-entry>
    </forwarding-class-set>
  </cos-forwarding-class-set-information>
</cos-information>

```

#### Description

### <fc-md-map>

#### Usage

```

<cos-multi-destination-information>
  <fc-md-map>
    <fc-name>
      fc-name
    </fc-name>

```

```
<fc-queue-number>
  fc-queue-number
</fc-queue-number>
</fc-md-map>
</cos-multi-destination-information>
```

#### Description

### <fc-md-map>

#### Usage

```
<cos-information>
  <cos-multi-destination-information>
    <fc-md-map>
      <fc-name>
        fc-name
      </fc-name>
      <fc-queue-number>
        fc-queue-number
      </fc-queue-number>
    </fc-md-map>
  </cos-multi-destination-information>
</cos-information>
```

#### Description

### <forwarding-class-queue-table>

#### Usage

```
<cos-forwarding-class-map-table-information>
  <forwarding-class-queue-table>
    <table-index>
      table-index
    </table-index>
    <number-of-entries>
      number-of-entries
    </number-of-entries>
    <forwarding-class-queue-table-entry>....</forwarding-class-queue-table-entry>

  </forwarding-class-queue-table>
</cos-forwarding-class-map-table-information>
```

#### Description

### <forwarding-class-queue-table-entry>

#### Usage

```
<cos-forwarding-class-map-table-information>
  <forwarding-class-queue-table>
    <forwarding-class-queue-table-entry>
      <fc-number>
        fc-number
      </fc-number>
```



```

    <fc-queue-number>
      fc-queue-number
    </fc-queue-number>
    <fc-rqueue-number>
      fc-rqueue-number
    </fc-rqueue-number>
  </forwarding-class-queue-table-entry>
</forwarding-class-queue-table>
</cos-forwarding-class-map-table-information>

```

**Description****<forwarding-class-queue-table-map>****Usage**

```

<cos-forwarding-class-map-interface-table-information>
  <forwarding-class-queue-table-map>
    <logical-interface>
      logical-interface
    </logical-interface>
    <logical-interface-index>
      logical-interface-index
    </logical-interface-index>
    <table-index>
      table-index
    </table-index>
  </forwarding-class-queue-table-map>
</cos-forwarding-class-map-interface-table-information>

```

**Description****<forwarding-class-set>****Usage**

```

<forwarding-class-set>
  <forwarding-class-set-entry>....</forwarding-class-set-entry>
</forwarding-class-set>

```

**Description** Class-of-service forwarding class set information

**<forwarding-class-set>****Usage**

```

<cos-forwarding-class-set-information>
  <forwarding-class-set>
    <forwarding-class-set-entry>....</forwarding-class-set-entry>
  </forwarding-class-set>
</cos-forwarding-class-set-information>

```

**Description** Class-of-service forwarding class set information

## <forwarding-class-set>

### Usage

```
<cos-information>
  <cos-forwarding-class-set-information>
    <forwarding-class-set>
      <forwarding-class-set-entry>....</forwarding-class-set-entry>
    </forwarding-class-set>
  </cos-forwarding-class-set-information>
</cos-information>
```

**Description** Class-of-service forwarding class set information

## <forwarding-class-set-attachment>

### Usage

```
<forwarding-class-set-attachment>
  <forwarding-class-set-name>
    forwarding-class-set-name
  </forwarding-class-set-name>
  <table-index>
    table-index
  </table-index>
  <output-traffic-control-profile-name>
    output-traffic-control-profile-name
  </output-traffic-control-profile-name>
  <output-traffic-control-profile-index>
    output-traffic-control-profile-index
  </output-traffic-control-profile-index>
</forwarding-class-set-attachment>
```

**Description** Class-of-service forwarding class set interface attachment

## <forwarding-class-set-attachment>

### Usage

```
<interface-map>
  <forwarding-class-set-attachment>
    <forwarding-class-set-name>
      forwarding-class-set-name
    </forwarding-class-set-name>
    <table-index>
      table-index
    </table-index>
    <output-traffic-control-profile-name>
      output-traffic-control-profile-name
    </output-traffic-control-profile-name>
    <output-traffic-control-profile-index>
      output-traffic-control-profile-index
    </output-traffic-control-profile-index>
  </forwarding-class-set-attachment>
```

```
</interface-map>
```

**Description** Class-of-service forwarding class set interface attachment

### <forwarding-class-set-attachment>

#### Usage

```
<cos-interface-information>
  <interface-map>
    <forwarding-class-set-attachment>
      <forwarding-class-set-name>
        forwarding-class-set-name
      </forwarding-class-set-name>
      <table-index>
        table-index
      </table-index>
      <output-traffic-control-profile-name>
        output-traffic-control-profile-name
      </output-traffic-control-profile-name>
      <output-traffic-control-profile-index>
        output-traffic-control-profile-index
      </output-traffic-control-profile-index>
    </forwarding-class-set-attachment>
  </interface-map>
</cos-interface-information>
```

**Description** Class-of-service forwarding class set interface attachment

### <forwarding-class-set-entry>

#### Usage

```
<forwarding-class-set>
  <forwarding-class-set-entry>
    <forwarding-class-set-name>
      forwarding-class-set-name
    </forwarding-class-set-name>
    <forwarding-class-set-type>
      forwarding-class-set-type
    </forwarding-class-set-type>
    <forwarding-class-set-index>
      forwarding-class-set-index
    </forwarding-class-set-index>
    <fc-map>.....</fc-map>
  </forwarding-class-set-entry>
</forwarding-class-set>
```

#### Description

## <forwarding-class-set-entry>

### Usage

```
<cos-forwarding-class-set-information>
  <forwarding-class-set>
    <forwarding-class-set-entry>
      <forwarding-class-set-name>
        forwarding-class-set-name
      </forwarding-class-set-name>
      <forwarding-class-set-type>
        forwarding-class-set-type
      </forwarding-class-set-type>
      <forwarding-class-set-index>
        forwarding-class-set-index
      </forwarding-class-set-index>
      <fc-map>.....</fc-map>
    </forwarding-class-set-entry>
  </forwarding-class-set>
</cos-forwarding-class-set-information>
```

### Description

## <forwarding-class-set-entry>

### Usage

```
<cos-information>
  <cos-forwarding-class-set-information>
    <forwarding-class-set>
      <forwarding-class-set-entry>
        <forwarding-class-set-name>
          forwarding-class-set-name
        </forwarding-class-set-name>
        <forwarding-class-set-type>
          forwarding-class-set-type
        </forwarding-class-set-type>
        <forwarding-class-set-index>
          forwarding-class-set-index
        </forwarding-class-set-index>
        <fc-map>.....</fc-map>
      </forwarding-class-set-entry>
    </forwarding-class-set>
  </cos-forwarding-class-set-information>
</cos-information>
```

### Description

## <fpc-queue-information>

### Usage

```
<fpc-queue-information>
  <dest-fpc-index>
    dest-fpc-index
  </dest-fpc-index>
```

```

<src-fpc-index>
  src-fpc-index
</src-fpc-index>
<total-statistics>....</total-statistics>
<tx-statistics>....</tx-statistics>
<drop-statistics>....</drop-statistics>
</fpc-queue-information>

```

**Description** Show fabric queuing information for an FPC

## <fpc-queue-information>

### Usage

```

<fabric-queue-information>
  <fpc-queue-information>
    <dest-fpc-index>
      dest-fpc-index
    </dest-fpc-index>
    <src-fpc-index>
      src-fpc-index
    </src-fpc-index>
    <total-statistics>....</total-statistics>
    <tx-statistics>....</tx-statistics>
    <drop-statistics>....</drop-statistics>
  </fpc-queue-information>
</fabric-queue-information>

```

**Description** Show fabric queuing information for an FPC

## <fragment-map>

### Usage

```

<fragmentation-map>
  <fragment-map>
    <fc-name>
      fc-name
    </fc-name>
    <fragment-threshold>
      fragment-threshold
    </fragment-threshold>
    <no-fragmentation>
      no-fragmentation
    </no-fragmentation>
    <fragment-multilink-class>
      fragment-multilink-class
    </fragment-multilink-class>
  </fragment-map>
</fragmentation-map>

```

**Description**

## <fragment-map>

### Usage

```
<cos-fragmentation-map-information>
  <fragmentation-map>
    <fragment-map>
      <fc-name>
        fc-name
      </fc-name>
      <fragment-threshold>
        fragment-threshold
      </fragment-threshold>
      <no-fragmentation>
        no-fragmentation
      </no-fragmentation>
      <fragment-multilink-class>
        fragment-multilink-class
      </fragment-multilink-class>
    </fragment-map>
  </fragmentation-map>
</cos-fragmentation-map-information>
```

### Description

## <fragment-map>

### Usage

```
<cos-information>
  <cos-fragmentation-map-information>
    <fragmentation-map>
      <fragment-map>
        <fc-name>
          fc-name
        </fc-name>
        <fragment-threshold>
          fragment-threshold
        </fragment-threshold>
        <no-fragmentation>
          no-fragmentation
        </no-fragmentation>
        <fragment-multilink-class>
          fragment-multilink-class
        </fragment-multilink-class>
      </fragment-map>
    </fragmentation-map>
  </cos-fragmentation-map-information>
</cos-information>
```

### Description

**<fragmentation-map>****Usage**

```

<fragmentation-map>
  <fragmentation-map-name>
    fragmentation-map-name
  </fragmentation-map-name>
  <fragmentation-map-index>
    fragmentation-map-index
  </fragmentation-map-index>
  <fragment-map>....</fragment-map>
</fragmentation-map>

```

**Description** Class-of-service fragmentation map

**<fragmentation-map>****Usage**

```

<cos-fragmentation-map-information>
  <fragmentation-map>
    <fragmentation-map-name>
      fragmentation-map-name
    </fragmentation-map-name>
    <fragmentation-map-index>
      fragmentation-map-index
    </fragmentation-map-index>
    <fragment-map>....</fragment-map>
  </fragmentation-map>
</cos-fragmentation-map-information>

```

**Description** Class-of-service fragmentation map

**<fragmentation-map>****Usage**

```

<cos-information>
  <cos-fragmentation-map-information>
    <fragmentation-map>
      <fragmentation-map-name>
        fragmentation-map-name
      </fragmentation-map-name>
      <fragmentation-map-index>
        fragmentation-map-index
      </fragmentation-map-index>
      <fragment-map>....</fragment-map>
    </fragmentation-map>
  </cos-fragmentation-map-information>
</cos-information>

```

**Description** Class-of-service fragmentation map

## <i-logical-map>

### Usage

```
<i-logical-map>
  <i-logical-name>
    i-logical-name
  </i-logical-name>
  <i-logical-index>
    i-logical-index
  </i-logical-index>
  <interface-has-dedicated-queues>
    interface-has-dedicated-queues
  </interface-has-dedicated-queues>
  <i-logical-objects>.....</i-logical-objects>
  <policer-bandwidth>
    policer-bandwidth
  </policer-bandwidth>
  <policer-burst>
    policer-burst
  </policer-burst>
  <shaper-bandwidth>
    shaper-bandwidth
  </shaper-bandwidth>
  <shaper-burst>
    shaper-burst
  </shaper-burst>
  <shaping-rate>
    shaping-rate
  </shaping-rate>
  <burst-size>
    burst-size
  </burst-size>
  <input-shaping-rate>
    input-shaping-rate
  </input-shaping-rate>
  <input-burst-size>
    input-burst-size
  </input-burst-size>
  <adjusting-application-name>
    adjusting-application-name
  </adjusting-application-name>
  <adjustment-type>
    adjustment-type
  </adjustment-type>
  <configured-shaping-rate>
    configured-shaping-rate
  </configured-shaping-rate>
  <adjustment-value>
    adjustment-value
  </adjustment-value>
  <adjustment-target>
    adjustment-target
  </adjustment-target>
</i-logical-map>
```



## Description

&lt;i-logical-map&gt;

## Usage

```

<interface-map>
  <i-logical-map>
    <i-logical-name>
      i-logical-name
    </i-logical-name>
    <i-logical-index>
      i-logical-index
    </i-logical-index>
    <interface-has-dedicated-queues>
      interface-has-dedicated-queues
    </interface-has-dedicated-queues>
    <i-logical-objects>....</i-logical-objects>
    <policer-bandwidth>
      policer-bandwidth
    </policer-bandwidth>
    <policer-burst>
      policer-burst
    </policer-burst>
    <shaper-bandwidth>
      shaper-bandwidth
    </shaper-bandwidth>
    <shaper-burst>
      shaper-burst
    </shaper-burst>
    <shaping-rate>
      shaping-rate
    </shaping-rate>
    <burst-size>
      burst-size
    </burst-size>
    <input-shaping-rate>
      input-shaping-rate
    </input-shaping-rate>
    <input-burst-size>
      input-burst-size
    </input-burst-size>
    <adjusting-application-name>
      adjusting-application-name
    </adjusting-application-name>
    <adjustment-type>
      adjustment-type
    </adjustment-type>
    <configured-shaping-rate>
      configured-shaping-rate
    </configured-shaping-rate>
    <adjustment-value>
      adjustment-value
    </adjustment-value>
    <adjustment-target>
      adjustment-target
    </adjustment-target>

```

```
</i-logical-map>
</interface-map>
```

## Description

### <i-logical-map>

#### Usage

```
<routing-instance-map>
  <i-logical-map>
    <i-logical-name>
      i-logical-name
    </i-logical-name>
    <i-logical-index>
      i-logical-index
    </i-logical-index>
    <interface-has-dedicated-queues>
      interface-has-dedicated-queues
    </interface-has-dedicated-queues>
    <i-logical-objects>....</i-logical-objects>
    <policer-bandwidth>
      policer-bandwidth
    </policer-bandwidth>
    <policer-burst>
      policer-burst
    </policer-burst>
    <shaper-bandwidth>
      shaper-bandwidth
    </shaper-bandwidth>
    <shaper-burst>
      shaper-burst
    </shaper-burst>
    <shaping-rate>
      shaping-rate
    </shaping-rate>
    <burst-size>
      burst-size
    </burst-size>
    <input-shaping-rate>
      input-shaping-rate
    </input-shaping-rate>
    <input-burst-size>
      input-burst-size
    </input-burst-size>
    <adjusting-application-name>
      adjusting-application-name
    </adjusting-application-name>
    <adjustment-type>
      adjustment-type
    </adjustment-type>
    <configured-shaping-rate>
      configured-shaping-rate
    </configured-shaping-rate>
    <adjustment-value>
      adjustment-value
```

```

    </adjustment-value>
    <adjustment-target>
      adjustment-target
    </adjustment-target>
  </i-logical-map>
</routing-instance-map>

```

## Description

### <i-logical-map>

#### Usage

```

<cos-interface-information>
  <interface-map>
    <i-logical-map>
      <i-logical-name>
        i-logical-name
      </i-logical-name>
      <i-logical-index>
        i-logical-index
      </i-logical-index>
      <interface-has-dedicated-queues>
        interface-has-dedicated-queues
      </interface-has-dedicated-queues>
      <i-logical-objects>....</i-logical-objects>
      <policer-bandwidth>
        policer-bandwidth
      </policer-bandwidth>
      <policer-burst>
        policer-burst
      </policer-burst>
      <shaper-bandwidth>
        shaper-bandwidth
      </shaper-bandwidth>
      <shaper-burst>
        shaper-burst
      </shaper-burst>
      <shaping-rate>
        shaping-rate
      </shaping-rate>
      <burst-size>
        burst-size
      </burst-size>
      <input-shaping-rate>
        input-shaping-rate
      </input-shaping-rate>
      <input-burst-size>
        input-burst-size
      </input-burst-size>
      <adjusting-application-name>
        adjusting-application-name
      </adjusting-application-name>
      <adjustment-type>
        adjustment-type
      </adjustment-type>
    </i-logical-map>
  </interface-map>
</cos-interface-information>

```

```
<configured-shaping-rate>
  configured-shaping-rate
</configured-shaping-rate>
<adjustment-value>
  adjustment-value
</adjustment-value>
<adjustment-target>
  adjustment-target
</adjustment-target>
</i-logical-map>
</interface-map>
</cos-interface-information>
```

## Description

### <i-logical-map>

#### Usage

```
<cos-routing-instance-information>
<routing-instance-map>
  <i-logical-map>
    <i-logical-name>
      i-logical-name
    </i-logical-name>
    <i-logical-index>
      i-logical-index
    </i-logical-index>
    <interface-has-dedicated-queues>
      interface-has-dedicated-queues
    </interface-has-dedicated-queues>
    <i-logical-objects>....</i-logical-objects>
    <policer-bandwidth>
      policer-bandwidth
    </policer-bandwidth>
    <policer-burst>
      policer-burst
    </policer-burst>
    <shaper-bandwidth>
      shaper-bandwidth
    </shaper-bandwidth>
    <shaper-burst>
      shaper-burst
    </shaper-burst>
    <shaping-rate>
      shaping-rate
    </shaping-rate>
    <burst-size>
      burst-size
    </burst-size>
    <input-shaping-rate>
      input-shaping-rate
    </input-shaping-rate>
    <input-burst-size>
      input-burst-size
    </input-burst-size>
```

```

<adjusting-application-name>
  adjusting-application-name
</adjusting-application-name>
<adjustment-type>
  adjustment-type
</adjustment-type>
<configured-shaping-rate>
  configured-shaping-rate
</configured-shaping-rate>
<adjustment-value>
  adjustment-value
</adjustment-value>
<adjustment-target>
  adjustment-target
</adjustment-target>
</i-logical-map>
</routing-instance-map>
</cos-routing-instance-information>

```

#### Description

#### <i-logical-objects>

##### Usage

```

<i-logical-map>
  <i-logical-objects>
    <i-logical-object-type>
      i-logical-object-type
    </i-logical-object-type>
    <i-logical-object-name>
      i-logical-object-name
    </i-logical-object-name>
    <i-logical-object-subtype>
      i-logical-object-subtype
    </i-logical-object-subtype>
    <i-logical-object-index>
      i-logical-object-index
    </i-logical-object-index>
  </i-logical-objects>
</i-logical-map>

```

**Description** Class-of-service logical interface mappings

#### <i-logical-objects>

##### Usage

```

<interface-map>
  <i-logical-map>
    <i-logical-objects>
      <i-logical-object-type>
        i-logical-object-type
      </i-logical-object-type>
      <i-logical-object-name>

```

```
    i-logical-object-name
  </i-logical-object-name>
  <i-logical-object-subtype>
    i-logical-object-subtype
  </i-logical-object-subtype>
  <i-logical-object-index>
    i-logical-object-index
  </i-logical-object-index>
</i-logical-objects>
</i-logical-map>
</interface-map>
```

**Description** Class-of-service logical interface mappings

### <i-logical-objects>

#### Usage

```
<routing-instance-map>
  <i-logical-map>
    <i-logical-objects>
      <i-logical-object-type>
        i-logical-object-type
      </i-logical-object-type>
      <i-logical-object-name>
        i-logical-object-name
      </i-logical-object-name>
      <i-logical-object-subtype>
        i-logical-object-subtype
      </i-logical-object-subtype>
      <i-logical-object-index>
        i-logical-object-index
      </i-logical-object-index>
    </i-logical-objects>
  </i-logical-map>
</routing-instance-map>
```

**Description** Class-of-service logical interface mappings

### <i-logical-objects>

#### Usage

```
<cos-interface-information>
  <interface-map>
    <i-logical-map>
      <i-logical-objects>
        <i-logical-object-type>
          i-logical-object-type
        </i-logical-object-type>
        <i-logical-object-name>
          i-logical-object-name
        </i-logical-object-name>
        <i-logical-object-subtype>
```

```

        i-logical-object-subtype
      </i-logical-object-subtype>
      <i-logical-object-index>
        i-logical-object-index
      </i-logical-object-index>
    </i-logical-objects>
  </i-logical-map>
</interface-map>
</cos-interface-information>

```

**Description** Class-of-service logical interface mappings

### <i-logical-objects>

#### Usage

```

<cos-routing-instance-information>
  <routing-instance-map>
    <i-logical-map>
      <i-logical-objects>
        <i-logical-object-type>
          i-logical-object-type
        </i-logical-object-type>
        <i-logical-object-name>
          i-logical-object-name
        </i-logical-object-name>
        <i-logical-object-subtype>
          i-logical-object-subtype
        </i-logical-object-subtype>
        <i-logical-object-index>
          i-logical-object-index
        </i-logical-object-index>
      </i-logical-objects>
    </i-logical-map>
  </routing-instance-map>
</cos-routing-instance-information>

```

**Description** Class-of-service logical interface mappings

### <interface-map>

#### Usage

```

<interface-map>
  <interface-name>
    interface-name
  </interface-name>
  <interface-index>
    interface-index
  </interface-index>
  <interface-queues-supported>
    interface-queues-supported
  </interface-queues-supported>
  <interface-queues-in-use>

```

```
    interface-queues-in-use
  </interface-queues-in-use>
  <interface-total-queues-created>
    interface-total-queues-created
  </interface-total-queues-created>
  <interface-shaping-rate>
    interface-shaping-rate
  </interface-shaping-rate>
  <scheduler-map-name>
    scheduler-map-name
  </scheduler-map-name>
  <scheduler-map-index>
    scheduler-map-index
  </scheduler-map-index>
  <interface-input-shaping-rate>
    interface-input-shaping-rate
  </interface-input-shaping-rate>
  <input-scheduler-map-name>
    input-scheduler-map-name
  </input-scheduler-map-name>
  <input-scheduler-map-index>
    input-scheduler-map-index
  </input-scheduler-map-index>
  <chassis-scheduler-map-name>
    chassis-scheduler-map-name
  </chassis-scheduler-map-name>
  <chassis-scheduler-map-index>
    chassis-scheduler-map-index
  </chassis-scheduler-map-index>
  <input-traffic-control-profile-name>
    input-traffic-control-profile-name
  </input-traffic-control-profile-name>
  <input-traffic-control-profile-index>
    input-traffic-control-profile-index
  </input-traffic-control-profile-index>
  <output-traffic-control-profile-name>
    output-traffic-control-profile-name
  </output-traffic-control-profile-name>
  <output-traffic-control-profile-index>
    output-traffic-control-profile-index
  </output-traffic-control-profile-index>
  <forwarding-class-map-name>
    forwarding-class-map-name
  </forwarding-class-map-name>
  <forwarding-class-map-index>
    forwarding-class-map-index
  </forwarding-class-map-index>
  <interface-congestion-notification-map>
    interface-congestion-notification-map
  </interface-congestion-notification-map>
  <interface-congestion-notification-map-index>
    interface-congestion-notification-map-index
  </interface-congestion-notification-map-index>
  <forwarding-class-set-attachment>....</forwarding-class-set-attachment>
  <i-logical-map>....</i-logical-map>
```



</interface-map>

**Description** Class-of-service interface mappings

<interface-map>

**Usage**

```
<cos-interface-information>
  <interface-map>
    <interface-name>
      interface-name
    </interface-name>
    <interface-index>
      interface-index
    </interface-index>
    <interface-queues-supported>
      interface-queues-supported
    </interface-queues-supported>
    <interface-queues-in-use>
      interface-queues-in-use
    </interface-queues-in-use>
    <interface-total-queues-created>
      interface-total-queues-created
    </interface-total-queues-created>
    <interface-shaping-rate>
      interface-shaping-rate
    </interface-shaping-rate>
    <scheduler-map-name>
      scheduler-map-name
    </scheduler-map-name>
    <scheduler-map-index>
      scheduler-map-index
    </scheduler-map-index>
    <interface-input-shaping-rate>
      interface-input-shaping-rate
    </interface-input-shaping-rate>
    <input-scheduler-map-name>
      input-scheduler-map-name
    </input-scheduler-map-name>
    <input-scheduler-map-index>
      input-scheduler-map-index
    </input-scheduler-map-index>
    <chassis-scheduler-map-name>
      chassis-scheduler-map-name
    </chassis-scheduler-map-name>
    <chassis-scheduler-map-index>
      chassis-scheduler-map-index
    </chassis-scheduler-map-index>
    <input-traffic-control-profile-name>
      input-traffic-control-profile-name
    </input-traffic-control-profile-name>
    <input-traffic-control-profile-index>
      input-traffic-control-profile-index
    </input-traffic-control-profile-index>
```

```
<output-traffic-control-profile-name>
  output-traffic-control-profile-name
</output-traffic-control-profile-name>
<output-traffic-control-profile-index>
  output-traffic-control-profile-index
</output-traffic-control-profile-index>
<forwarding-class-map-name>
  forwarding-class-map-name
</forwarding-class-map-name>
<forwarding-class-map-index>
  forwarding-class-map-index
</forwarding-class-map-index>
<interface-congestion-notification-map>
  interface-congestion-notification-map
</interface-congestion-notification-map>
<interface-congestion-notification-map-index>
  interface-congestion-notification-map-index
</interface-congestion-notification-map-index>
<forwarding-class-set-attachment>....</forwarding-class-set-attachment>
<i-logical-map>....</i-logical-map>
</interface-map>
</cos-interface-information>
```

**Description**    Class-of-service interface mappings

## <interface-set-map>

### Usage

```
<interface-set-map>
<interface-set-name>
  interface-set-name
</interface-set-name>
<interface-set-index>
  interface-set-index
</interface-set-index>
<interface-name>
  interface-name
</interface-name>
<interface-index>
  interface-index
</interface-index>
<interface-queues-supported>
  interface-queues-supported
</interface-queues-supported>
<interface-queues-in-use>
  interface-queues-in-use
</interface-queues-in-use>
<output-traffic-control-profile-name>
  output-traffic-control-profile-name
</output-traffic-control-profile-name>
<output-traffic-control-profile-index>
  output-traffic-control-profile-index
</output-traffic-control-profile-index>
<input-traffic-control-profile-name>
```

```

    input-traffic-control-profile-name
  </input-traffic-control-profile-name>
  <input-traffic-control-profile-index>
    input-traffic-control-profile-index
  </input-traffic-control-profile-index>
  <adjusting-application-name>
    adjusting-application-name
  </adjusting-application-name>
  <adjustment-type>
    adjustment-type
  </adjustment-type>
  <configured-shaping-rate>
    configured-shaping-rate
  </configured-shaping-rate>
  <adjustment-value>
    adjustment-value
  </adjustment-value>
  <adjustment-target>
    adjustment-target
  </adjustment-target>
</interface-set-map>

```

## Description

### <interface-set-map>

#### Usage

```

<cos-interface-set-information>
  <interface-set-map>
    <interface-set-name>
      interface-set-name
    </interface-set-name>
    <interface-set-index>
      interface-set-index
    </interface-set-index>
    <interface-name>
      interface-name
    </interface-name>
    <interface-index>
      interface-index
    </interface-index>
    <interface-queues-supported>
      interface-queues-supported
    </interface-queues-supported>
    <interface-queues-in-use>
      interface-queues-in-use
    </interface-queues-in-use>
    <output-traffic-control-profile-name>
      output-traffic-control-profile-name
    </output-traffic-control-profile-name>
    <output-traffic-control-profile-index>
      output-traffic-control-profile-index
    </output-traffic-control-profile-index>
    <input-traffic-control-profile-name>
      input-traffic-control-profile-name
    </input-traffic-control-profile-name>
  </interface-set-map>
</cos-interface-set-information>

```

```
</input-traffic-control-profile-name>
<input-traffic-control-profile-index>
  input-traffic-control-profile-index
</input-traffic-control-profile-index>
<adjusting-application-name>
  adjusting-application-name
</adjusting-application-name>
<adjustment-type>
  adjustment-type
</adjustment-type>
<configured-shaping-rate>
  configured-shaping-rate
</configured-shaping-rate>
<adjustment-value>
  adjustment-value
</adjustment-value>
<adjustment-target>
  adjustment-target
</adjustment-target>
</interface-set-map>
</cos-interface-set-information>
```

## Description

### <l2tp-session-map>

#### Usage

```
<l2tp-session-map>
  <interface-name>
    interface-name
  </interface-name>
  <interface-index>
    interface-index
  </interface-index>
  <interface-queues-supported>
    interface-queues-supported
  </interface-queues-supported>
  <interface-queues-in-use>
    interface-queues-in-use
  </interface-queues-in-use>
  <l2tp-session-username>
    l2tp-session-username
  </l2tp-session-username>
  <l2tp-session-index>
    l2tp-session-index
  </l2tp-session-index>
  <traffic-control-profile-name>
    traffic-control-profile-name
  </traffic-control-profile-name>
  <traffic-control-profile-index>
    traffic-control-profile-index
  </traffic-control-profile-index>
  <scheduler-map-name>
    scheduler-map-name
  </scheduler-map-name>
```

```

<scheduler-map-index>
  scheduler-map-index
</scheduler-map-index>
<shaping-rate>
  shaping-rate
</shaping-rate>
<guaranteed-rate>
  guaranteed-rate
</guaranteed-rate>
<delay-buffer-rate>
  delay-buffer-rate
</delay-buffer-rate>
<encapsulation-overhead>
  encapsulation-overhead
</encapsulation-overhead>
<cell-overhead>
  cell-overhead
</cell-overhead>
</l2tp-session-map>

```

**Description** Class-of-service L2TP session mappings

## <l2tp-session-map>

### Usage

```

<cos-l2tp-session-information>
  <l2tp-session-map>
    <interface-name>
      interface-name
    </interface-name>
    <interface-index>
      interface-index
    </interface-index>
    <interface-queues-supported>
      interface-queues-supported
    </interface-queues-supported>
    <interface-queues-in-use>
      interface-queues-in-use
    </interface-queues-in-use>
    <l2tp-session-username>
      l2tp-session-username
    </l2tp-session-username>
    <l2tp-session-index>
      l2tp-session-index
    </l2tp-session-index>
    <traffic-control-profile-name>
      traffic-control-profile-name
    </traffic-control-profile-name>
    <traffic-control-profile-index>
      traffic-control-profile-index
    </traffic-control-profile-index>
    <scheduler-map-name>
      scheduler-map-name
    </scheduler-map-name>
  </l2tp-session-map>
</cos-l2tp-session-information>

```

```
<scheduler-map-index>
  scheduler-map-index
</scheduler-map-index>
<shaping-rate>
  shaping-rate
</shaping-rate>
<guaranteed-rate>
  guaranteed-rate
</guaranteed-rate>
<delay-buffer-rate>
  delay-buffer-rate
</delay-buffer-rate>
<encapsulation-overhead>
  encapsulation-overhead
</encapsulation-overhead>
<cell-overhead>
  cell-overhead
</cell-overhead>
</l2tp-session-map>
</cos-l2tp-session-information>
```

**Description** Class-of-service L2TP session mappings

### <loss-priority-map>

#### Usage

```
<loss-priority-map>
<loss-priority-map-name>
  loss-priority-map-name
</loss-priority-map-name>
<code-point-type>
  code-point-type
</code-point-type>
<table-index>
  table-index
</table-index>
<loss-priority-map-table>....</loss-priority-map-table>
</loss-priority-map>
```

**Description** Class-of-service code point loss priority map

### <loss-priority-map>

#### Usage

```
<cos-loss-priority-map-information>
<loss-priority-map>
<loss-priority-map-name>
  loss-priority-map-name
</loss-priority-map-name>
<code-point-type>
  code-point-type
</code-point-type>
```

```
<table-index>
  table-index
</table-index>
<loss-priority-map-table>....</loss-priority-map-table>
</loss-priority-map>
</cos-loss-priority-map-information>
```

**Description** Class-of-service code point loss priority map

### <loss-priority-map>

#### Usage

```
<cos-information>
  <cos-loss-priority-map-information>
    <loss-priority-map>
      <loss-priority-map-name>
        loss-priority-map-name
      </loss-priority-map-name>
      <code-point-type>
        code-point-type
      </code-point-type>
      <table-index>
        table-index
      </table-index>
      <loss-priority-map-table>....</loss-priority-map-table>
    </loss-priority-map>
  </cos-loss-priority-map-information>
</cos-information>
```

**Description** Class-of-service code point loss priority map

### <loss-priority-map-item>

#### Usage

```
<loss-priority-map>
  <loss-priority-map-table>
    <loss-priority-map-item>
      <code-point>
        code-point
      </code-point>
      <loss-priority>
        loss-priority
      </loss-priority>
    </loss-priority-map-item>
  </loss-priority-map-table>
</loss-priority-map>
```

**Description**

## <loss-priority-map-item>

### Usage

```
<cos-loss-priority-map-information>
  <loss-priority-map>
    <loss-priority-map-table>
      <loss-priority-map-item>
        <code-point>
          code-point
        </code-point>
        <loss-priority>
          loss-priority
        </loss-priority>
      </loss-priority-map-item>
    </loss-priority-map-table>
  </loss-priority-map>
</cos-loss-priority-map-information>
```

### Description

## <loss-priority-map-item>

### Usage

```
<cos-information>
  <cos-loss-priority-map-information>
    <loss-priority-map>
      <loss-priority-map-table>
        <loss-priority-map-item>
          <code-point>
            code-point
          </code-point>
          <loss-priority>
            loss-priority
          </loss-priority>
        </loss-priority-map-item>
      </loss-priority-map-table>
    </loss-priority-map>
  </cos-loss-priority-map-information>
</cos-information>
```

### Description

## <loss-priority-map-item>

### Usage

```
<cos-loss-priority-map-table-information>
  <loss-priority-map-table>
    <loss-priority-map-item>
      <code-point>
        code-point
      </code-point>
      <loss-priority>
        loss-priority
      </loss-priority>
    </loss-priority-map-item>
  </loss-priority-map-table>
```



```

    </loss-priority>
  </loss-priority-map-item>
</loss-priority-map-table>
</cos-loss-priority-map-table-information>

```

#### Description

### <loss-priority-map-item>

#### Usage

```

<cos-table-information>
  <cos-loss-priority-map-table-information>
    <loss-priority-map-table>
      <loss-priority-map-item>
        <code-point>
          code-point
        </code-point>
        <loss-priority>
          loss-priority
        </loss-priority>
      </loss-priority-map-item>
    </loss-priority-map-table>
  </cos-loss-priority-map-table-information>
</cos-table-information>

```

#### Description

### <loss-priority-map-table>

#### Usage

```

<loss-priority-map>
  <loss-priority-map-table>
    <loss-priority-map-item>....</loss-priority-map-item>
    <table-index>
      table-index
    </table-index>
    <number-of-entries>
      number-of-entries
    </number-of-entries>
    <table-type>
      table-type
    </table-type>
    <loss-priority-map-table-entry>....</loss-priority-map-table-entry>
  </loss-priority-map-table>
</loss-priority-map>

```

#### Description

### <loss-priority-map-table>

#### Usage

```

<cos-loss-priority-map-information>
  <loss-priority-map>

```

```
<loss-priority-map-table>
  <loss-priority-map-item>....</loss-priority-map-item>
  <table-index>
    table-index
  </table-index>
  <number-of-entries>
    number-of-entries
  </number-of-entries>
  <table-type>
    table-type
  </table-type>
  <loss-priority-map-table-entry>....</loss-priority-map-table-entry>
</loss-priority-map-table>
</loss-priority-map>
</cos-loss-priority-map-information>
```

#### Description

### <loss-priority-map-table>

#### Usage

```
<cos-information>
  <cos-loss-priority-map-information>
    <loss-priority-map>
      <loss-priority-map-table>
        <loss-priority-map-item>....</loss-priority-map-item>
        <table-index>
          table-index
        </table-index>
        <number-of-entries>
          number-of-entries
        </number-of-entries>
        <table-type>
          table-type
        </table-type>
        <loss-priority-map-table-entry>....</loss-priority-map-table-entry>
      </loss-priority-map-table>
    </loss-priority-map>
  </cos-loss-priority-map-information>
</cos-information>
```

#### Description

### <loss-priority-map-table>

#### Usage

```
<cos-loss-priority-map-table-information>
  <loss-priority-map-table>
    <loss-priority-map-item>....</loss-priority-map-item>
    <table-index>
      table-index
    </table-index>
    <number-of-entries>
      number-of-entries
```

```

</number-of-entries>
<table-type>
  table-type
</table-type>
<loss-priority-map-table-entry>....</loss-priority-map-table-entry>
</loss-priority-map-table>
</cos-loss-priority-map-table-information>

```

#### Description

### <loss-priority-map-table>

#### Usage

```

<cos-table-information>
<cos-loss-priority-map-table-information>
  <loss-priority-map-table>
    <loss-priority-map-item>....</loss-priority-map-item>
    <table-index>
      table-index
    </table-index>
    <number-of-entries>
      number-of-entries
    </number-of-entries>
    <table-type>
      table-type
    </table-type>
    <loss-priority-map-table-entry>....</loss-priority-map-table-entry>
  </loss-priority-map-table>
</cos-loss-priority-map-table-information>
</cos-table-information>

```

#### Description

### <loss-priority-map-table-binding>

#### Usage

```

<cos-loss-priority-map-table-binding-information>
<loss-priority-map-table-binding>
  <table-index>
    table-index
  </table-index>
  <table-type>
    table-type
  </table-type>
  <logical-interface>
    logical-interface
  </logical-interface>
  <logical-interface-index>
    logical-interface-index
  </logical-interface-index>
</loss-priority-map-table-binding>
</cos-loss-priority-map-table-binding-information>

```

**Description****<loss-priority-map-table-binding>****Usage**

```
<cos-table-information>
  <cos-loss-priority-map-table-binding-information>
    <loss-priority-map-table-binding>
      <table-index>
        table-index
      </table-index>
      <table-type>
        table-type
      </table-type>
      <logical-interface>
        logical-interface
      </logical-interface>
      <logical-interface-index>
        logical-interface-index
      </logical-interface-index>
    </loss-priority-map-table-binding>
  </cos-loss-priority-map-table-binding-information>
</cos-table-information>
```

**Description****<loss-priority-map-table-entry>****Usage**

```
<loss-priority-map>
  <loss-priority-map-table>
    <loss-priority-map-table-entry>
      <table-index>
        table-index
      </table-index>
      <code-point>
        code-point
      </code-point>
      <loss-priority>
        loss-priority
      </loss-priority>
    </loss-priority-map-table-entry>
  </loss-priority-map-table>
</loss-priority-map>
```

**Description****<loss-priority-map-table-entry>****Usage**

```
<cos-loss-priority-map-information>
  <loss-priority-map>
    <loss-priority-map-table>
      <loss-priority-map-table-entry>
```

```

<table-index>
  table-index
</table-index>
<code-point>
  code-point
</code-point>
<loss-priority>
  loss-priority
</loss-priority>
</loss-priority-map-table-entry>
</loss-priority-map-table>
</loss-priority-map>
</cos-loss-priority-map-information>

```

#### Description

### <loss-priority-map-table-entry>

#### Usage

```

<cos-information>
  <cos-loss-priority-map-information>
    <loss-priority-map>
      <loss-priority-map-table>
        <loss-priority-map-table-entry>
          <table-index>
            table-index
          </table-index>
          <code-point>
            code-point
          </code-point>
          <loss-priority>
            loss-priority
          </loss-priority>
        </loss-priority-map-table-entry>
      </loss-priority-map-table>
    </loss-priority-map>
  </cos-loss-priority-map-information>
</cos-information>

```

#### Description

### <loss-priority-map-table-entry>

#### Usage

```

<cos-loss-priority-map-table-information>
  <loss-priority-map-table>
    <loss-priority-map-table-entry>
      <table-index>
        table-index
      </table-index>
      <code-point>
        code-point
      </code-point>
      <loss-priority>

```

```
    loss-priority
  </loss-priority>
</loss-priority-map-table-entry>
</loss-priority-map-table>
</cos-loss-priority-map-table-information>
```

#### Description

### <loss-priority-map-table-entry>

#### Usage

```
<cos-table-information>
  <cos-loss-priority-map-table-information>
    <loss-priority-map-table>
      <loss-priority-map-table-entry>
        <table-index>
          table-index
        </table-index>
        <code-point>
          code-point
        </code-point>
        <loss-priority>
          loss-priority
        </loss-priority>
      </loss-priority-map-table-entry>
    </loss-priority-map-table>
  </cos-loss-priority-map-table-information>
</cos-table-information>
```

#### Description

### <loss-priority-rewrite>

#### Usage

```
<loss-priority-rewrite>
  <loss-priority-rewrite-name>
    loss-priority-rewrite-name
  </loss-priority-rewrite-name>
  <code-point-type>
    code-point-type
  </code-point-type>
  <table-index>
    table-index
  </table-index>
  <loss-priority-rewrite-table>....</loss-priority-rewrite-table>
</loss-priority-rewrite>
```

**Description** Class-of-service loss priority to code point rewrite

**<loss-priority-rewrite>****Usage**

```

<cos-loss-priority-rewrite-information>
  <loss-priority-rewrite>
    <loss-priority-rewrite-name>
      loss-priority-rewrite-name
    </loss-priority-rewrite-name>
    <code-point-type>
      code-point-type
    </code-point-type>
    <table-index>
      table-index
    </table-index>
    <loss-priority-rewrite-table>....</loss-priority-rewrite-table>
  </loss-priority-rewrite>
</cos-loss-priority-rewrite-information>

```

**Description** Class-of-service loss priority to code point rewrite

**<loss-priority-rewrite>****Usage**

```

<cos-information>
  <cos-loss-priority-rewrite-information>
    <loss-priority-rewrite>
      <loss-priority-rewrite-name>
        loss-priority-rewrite-name
      </loss-priority-rewrite-name>
      <code-point-type>
        code-point-type
      </code-point-type>
      <table-index>
        table-index
      </table-index>
      <loss-priority-rewrite-table>....</loss-priority-rewrite-table>
    </loss-priority-rewrite>
  </cos-loss-priority-rewrite-information>
</cos-information>

```

**Description** Class-of-service loss priority to code point rewrite

**<loss-priority-rewrite-item>****Usage**

```

<loss-priority-rewrite>
  <loss-priority-rewrite-table>
    <loss-priority-rewrite-item>
      <loss-priority>
        loss-priority
      </loss-priority>
      <code-point>

```

```
    code-point
  </code-point>
</loss-priority-rewrite-item>
</loss-priority-rewrite-table>
</loss-priority-rewrite>
```

#### Description

### <loss-priority-rewrite-item>

#### Usage

```
<cos-loss-priority-rewrite-information>
  <loss-priority-rewrite>
    <loss-priority-rewrite-table>
      <loss-priority-rewrite-item>
        <loss-priority>
          loss-priority
        </loss-priority>
        <code-point>
          code-point
        </code-point>
      </loss-priority-rewrite-item>
    </loss-priority-rewrite-table>
  </loss-priority-rewrite>
</cos-loss-priority-rewrite-information>
```

#### Description

### <loss-priority-rewrite-item>

#### Usage

```
<cos-information>
  <cos-loss-priority-rewrite-information>
    <loss-priority-rewrite>
      <loss-priority-rewrite-table>
        <loss-priority-rewrite-item>
          <loss-priority>
            loss-priority
          </loss-priority>
          <code-point>
            code-point
          </code-point>
        </loss-priority-rewrite-item>
      </loss-priority-rewrite-table>
    </loss-priority-rewrite>
  </cos-loss-priority-rewrite-information>
</cos-information>
```

#### Description



**<loss-priority-rewrite-item>****Usage**

```

<cos-loss-priority-rewrite-table-information>
  <loss-priority-rewrite-table>
    <loss-priority-rewrite-item>
      <loss-priority>
        loss-priority
      </loss-priority>
      <code-point>
        code-point
      </code-point>
    </loss-priority-rewrite-item>
  </loss-priority-rewrite-table>
</cos-loss-priority-rewrite-table-information>

```

**Description****<loss-priority-rewrite-item>****Usage**

```

<cos-table-information>
  <cos-loss-priority-rewrite-table-information>
    <loss-priority-rewrite-table>
      <loss-priority-rewrite-item>
        <loss-priority>
          loss-priority
        </loss-priority>
        <code-point>
          code-point
        </code-point>
      </loss-priority-rewrite-item>
    </loss-priority-rewrite-table>
  </cos-loss-priority-rewrite-table-information>
</cos-table-information>

```

**Description****<loss-priority-rewrite-table>****Usage**

```

<loss-priority-rewrite>
  <loss-priority-rewrite-table>
    <loss-priority-rewrite-item>....</loss-priority-rewrite-item>
    <table-index>
      table-index
    </table-index>
    <number-of-entries>
      number-of-entries
    </number-of-entries>
    <table-type>
      table-type
    </table-type>

```

```
<loss-priority-rewrite-table-entry>....</loss-priority-rewrite-table-entry>
</loss-priority-rewrite-table>
</loss-priority-rewrite>
```

#### Description

### <loss-priority-rewrite-table>

#### Usage

```
<cos-loss-priority-rewrite-information>
<loss-priority-rewrite>
  <loss-priority-rewrite-table>
    <loss-priority-rewrite-item>....</loss-priority-rewrite-item>
    <table-index>
      table-index
    </table-index>
    <number-of-entries>
      number-of-entries
    </number-of-entries>
    <table-type>
      table-type
    </table-type>
    <loss-priority-rewrite-table-entry>....</loss-priority-rewrite-table-entry>
  </loss-priority-rewrite-table>
</loss-priority-rewrite>
</cos-loss-priority-rewrite-information>
```

#### Description

### <loss-priority-rewrite-table>

#### Usage

```
<cos-information>
<cos-loss-priority-rewrite-information>
<loss-priority-rewrite>
  <loss-priority-rewrite-table>
    <loss-priority-rewrite-item>....</loss-priority-rewrite-item>
    <table-index>
      table-index
    </table-index>
    <number-of-entries>
      number-of-entries
    </number-of-entries>
    <table-type>
      table-type
    </table-type>
    <loss-priority-rewrite-table-entry>....</loss-priority-rewrite-table-entry>
  </loss-priority-rewrite-table>
</loss-priority-rewrite>
</cos-loss-priority-rewrite-information>
</cos-information>
```

#### Description

## <loss-priority-rewrite-table>

### Usage

```

<cos-loss-priority-rewrite-table-information>
  <loss-priority-rewrite-table>
    <loss-priority-rewrite-item>....</loss-priority-rewrite-item>
    <table-index>
      table-index
    </table-index>
    <number-of-entries>
      number-of-entries
    </number-of-entries>
    <table-type>
      table-type
    </table-type>
    <loss-priority-rewrite-table-entry>....</loss-priority-rewrite-table-entry>
  </loss-priority-rewrite-table>
</cos-loss-priority-rewrite-table-information>

```

### Description

## <loss-priority-rewrite-table>

### Usage

```

<cos-table-information>
  <cos-loss-priority-rewrite-table-information>
    <loss-priority-rewrite-table>
      <loss-priority-rewrite-item>....</loss-priority-rewrite-item>
      <table-index>
        table-index
      </table-index>
      <number-of-entries>
        number-of-entries
      </number-of-entries>
      <table-type>
        table-type
      </table-type>
      <loss-priority-rewrite-table-entry>....</loss-priority-rewrite-table-entry>
    </loss-priority-rewrite-table>
  </cos-loss-priority-rewrite-table-information>
</cos-table-information>

```

### Description

## <loss-priority-rewrite-table-binding>

### Usage

```

<cos-loss-priority-rewrite-table-binding-information>
  <loss-priority-rewrite-table-binding>
    <table-index>
      table-index
    </table-index>
    <table-type>

```

```
    table-type
  </table-type>
  <logical-interface>
    logical-interface
  </logical-interface>
  <logical-interface-index>
    logical-interface-index
  </logical-interface-index>
</loss-priority-rewrite-table-binding>
</cos-loss-priority-rewrite-table-binding-information>
```

#### Description

### <loss-priority-rewrite-table-binding>

#### Usage

```
<cos-table-information>
  <cos-loss-priority-rewrite-table-binding-information>
    <loss-priority-rewrite-table-binding>
      <table-index>
        table-index
      </table-index>
      <table-type>
        table-type
      </table-type>
      <logical-interface>
        logical-interface
      </logical-interface>
      <logical-interface-index>
        logical-interface-index
      </logical-interface-index>
    </loss-priority-rewrite-table-binding>
  </cos-loss-priority-rewrite-table-binding-information>
</cos-table-information>
```

#### Description

### <loss-priority-rewrite-table-entry>

#### Usage

```
<loss-priority-rewrite>
  <loss-priority-rewrite-table>
    <loss-priority-rewrite-table-entry>
      <table-index>
        table-index
      </table-index>
      <loss-priority>
        loss-priority
      </loss-priority>
      <code-point>
        code-point
      </code-point>
    </loss-priority-rewrite-table-entry>
  </loss-priority-rewrite-table>
```

```
</loss-priority-rewrite>
```

#### Description

### <loss-priority-rewrite-table-entry>

#### Usage

```
<cos-loss-priority-rewrite-information>
  <loss-priority-rewrite>
    <loss-priority-rewrite-table>
      <loss-priority-rewrite-table-entry>
        <table-index>
          table-index
        </table-index>
        <loss-priority>
          loss-priority
        </loss-priority>
        <code-point>
          code-point
        </code-point>
      </loss-priority-rewrite-table-entry>
    </loss-priority-rewrite-table>
  </loss-priority-rewrite>
</cos-loss-priority-rewrite-information>
```

#### Description

### <loss-priority-rewrite-table-entry>

#### Usage

```
<cos-information>
  <cos-loss-priority-rewrite-information>
    <loss-priority-rewrite>
      <loss-priority-rewrite-table>
        <loss-priority-rewrite-table-entry>
          <table-index>
            table-index
          </table-index>
          <loss-priority>
            loss-priority
          </loss-priority>
          <code-point>
            code-point
          </code-point>
        </loss-priority-rewrite-table-entry>
      </loss-priority-rewrite-table>
    </loss-priority-rewrite>
  </cos-loss-priority-rewrite-information>
</cos-information>
```

#### Description

## <loss-priority-rewrite-table-entry>

### Usage

```
<cos-loss-priority-rewrite-table-information>
  <loss-priority-rewrite-table>
    <loss-priority-rewrite-table-entry>
      <table-index>
        table-index
      </table-index>
      <loss-priority>
        loss-priority
      </loss-priority>
      <code-point>
        code-point
      </code-point>
    </loss-priority-rewrite-table-entry>
  </loss-priority-rewrite-table>
</cos-loss-priority-rewrite-table-information>
```

### Description

## <loss-priority-rewrite-table-entry>

### Usage

```
<cos-table-information>
  <cos-loss-priority-rewrite-table-information>
    <loss-priority-rewrite-table>
      <loss-priority-rewrite-table-entry>
        <table-index>
          table-index
        </table-index>
        <loss-priority>
          loss-priority
        </loss-priority>
        <code-point>
          code-point
        </code-point>
      </loss-priority-rewrite-table-entry>
    </loss-priority-rewrite-table>
  </cos-loss-priority-rewrite-table-information>
</cos-table-information>
```

### Description

## <policer-table-map>

### Usage

```
<cos-policer-table-map-information>
  <policer-table-map>
    <p-interface>
      p-interface
    </p-interface>
    <p-interface-index>
```

```

    p-interface-index
  </p-interface-index>
  <policer-bandwidth>
    policer-bandwidth
  </policer-bandwidth>
  <policer-burst>
    policer-burst
  </policer-burst>
</policer-table-map>
</cos-policer-table-map-information>

```

#### Description

### <policer-table-map>

#### Usage

```

<cos-table-information>
  <cos-policer-table-map-information>
    <policer-table-map>
      <p-interface>
        p-interface
      </p-interface>
      <p-interface-index>
        p-interface-index
      </p-interface-index>
      <policer-bandwidth>
        policer-bandwidth
      </policer-bandwidth>
      <policer-burst>
        policer-burst
      </policer-burst>
    </policer-table-map>
  </cos-policer-table-map-information>
</cos-table-information>

```

#### Description

### <policy>

#### Usage

```

<cos-scheduler-map-table-information>
  <policy>
    <interface>
      interface
    </interface>
    <interface-index>
      interface-index
    </interface-index>
    <policy-index>
      policy-index
    </policy-index>
    <policy-type>
      policy-type
    </policy-type>
  </policy>

```

```
<policy-number-of-queues>
  policy-number-of-queues
</policy-number-of-queues>
<traffic-control-profile-name>
  traffic-control-profile-name
</traffic-control-profile-name>
<traffic-control-profile-index>
  traffic-control-profile-index
</traffic-control-profile-index>
<policy-entry>....</policy-entry>
</policy>
</cos-scheduler-map-table-information>
```

#### Description

### <policy>

#### Usage

```
<cos-table-information>
  <cos-scheduler-map-table-information>
    <policy>
      <interface>
        interface
      </interface>
      <interface-index>
        interface-index
      </interface-index>
      <policy-index>
        policy-index
      </policy-index>
      <policy-type>
        policy-type
      </policy-type>
      <policy-number-of-queues>
        policy-number-of-queues
      </policy-number-of-queues>
      <traffic-control-profile-name>
        traffic-control-profile-name
      </traffic-control-profile-name>
      <traffic-control-profile-index>
        traffic-control-profile-index
      </traffic-control-profile-index>
      <policy-entry>....</policy-entry>
    </policy>
  </cos-scheduler-map-table-information>
</cos-table-information>
```

#### Description

### <policy-entry>

#### Usage

```
<cos-scheduler-map-table-information>
  <policy>
```



```

<policy-entry>
  <table-index>
    table-index
  </table-index>
  <policy-entry-identifier>
    policy-entry-identifier
  </policy-entry-identifier>
  <fc-number>
    fc-number
  </fc-number>
  <fc-queue-number>
    fc-queue-number
  </fc-queue-number>
  <policy-transmit-rate>
    policy-transmit-rate
  </policy-transmit-rate>
  <policy-transmit-rate-percentage>
    policy-transmit-rate-percentage
  </policy-transmit-rate-percentage>
  <policy-transmit-rate-remainder>
    policy-transmit-rate-remainder
  </policy-transmit-rate-remainder>
  <policy-buffer-size-temporal>
    policy-buffer-size-temporal
  </policy-buffer-size-temporal>
  <policy-buffer-size-percentage>
    policy-buffer-size-percentage
  </policy-buffer-size-percentage>
  <policy-buffer-size-remainder>
    policy-buffer-size-remainder
  </policy-buffer-size-remainder>
  <policy-scheduling-priority>
    policy-scheduling-priority
  </policy-scheduling-priority>
  <policy-excess-priority>
    policy-excess-priority
  </policy-excess-priority>
  <policy-excess-rate-proportional>
    policy-excess-rate-proportional
  </policy-excess-rate-proportional>
  <policy-excess-rate-percentage>
    policy-excess-rate-percentage
  </policy-excess-rate-percentage>
  <policy-shaping-rate>
    policy-shaping-rate
  </policy-shaping-rate>
  <policy-shaping-rate-percentage>
    policy-shaping-rate-percentage
  </policy-shaping-rate-percentage>
  <policy-packet-loss-profile>.....</policy-packet-loss-profile>
  <policy-exact>
    policy-exact
  </policy-exact>
</policy-entry>
</policy>

```

</cos-scheduler-map-table-information>

## Description

### <policy-entry>

#### Usage

```
<cos-table-information>
  <cos-scheduler-map-table-information>
    <policy>
      <policy-entry>
        <table-index>
          table-index
        </table-index>
        <policy-entry-identifier>
          policy-entry-identifier
        </policy-entry-identifier>
        <fc-number>
          fc-number
        </fc-number>
        <fc-queue-number>
          fc-queue-number
        </fc-queue-number>
        <policy-transmit-rate>
          policy-transmit-rate
        </policy-transmit-rate>
        <policy-transmit-rate-percentage>
          policy-transmit-rate-percentage
        </policy-transmit-rate-percentage>
        <policy-transmit-rate-remainder>
          policy-transmit-rate-remainder
        </policy-transmit-rate-remainder>
        <policy-buffer-size-temporal>
          policy-buffer-size-temporal
        </policy-buffer-size-temporal>
        <policy-buffer-size-percentage>
          policy-buffer-size-percentage
        </policy-buffer-size-percentage>
        <policy-buffer-size-remainder>
          policy-buffer-size-remainder
        </policy-buffer-size-remainder>
        <policy-scheduling-priority>
          policy-scheduling-priority
        </policy-scheduling-priority>
        <policy-excess-priority>
          policy-excess-priority
        </policy-excess-priority>
        <policy-excess-rate-proportional>
          policy-excess-rate-proportional
        </policy-excess-rate-proportional>
        <policy-excess-rate-percentage>
          policy-excess-rate-percentage
        </policy-excess-rate-percentage>
        <policy-shaping-rate>
          policy-shaping-rate
```

```

</policy-shaping-rate>
<policy-shaping-rate-percentage>
  policy-shaping-rate-percentage
</policy-shaping-rate-percentage>
<policy-packet-loss-profile>....</policy-packet-loss-profile>
<policy-exact>
  policy-exact
</policy-exact>
</policy-entry>
</policy>
</cos-scheduler-map-table-information>
</cos-table-information>

```

### Description

## <policy-packet-loss-profile>

### Usage

```

<cos-scheduler-map-table-information>
<policy>
<policy-entry>
  <policy-packet-loss-profile>
    <high-drop-profile-identifier>
      high-drop-profile-identifier
    </high-drop-profile-identifier>
    <medium-drop-profile-identifier>
      medium-drop-profile-identifier
    </medium-drop-profile-identifier>
    <low-drop-profile-identifier>
      low-drop-profile-identifier
    </low-drop-profile-identifier>
    <medium-high-drop-profile-identifier>
      medium-high-drop-profile-identifier
    </medium-high-drop-profile-identifier>
    <medium-low-drop-profile-identifier>
      medium-low-drop-profile-identifier
    </medium-low-drop-profile-identifier>
    <tcp-high-drop-profile-identifier>
      tcp-high-drop-profile-identifier
    </tcp-high-drop-profile-identifier>
    <tcp-low-drop-profile-identifier>
      tcp-low-drop-profile-identifier
    </tcp-low-drop-profile-identifier>
  </policy-packet-loss-profile>
</policy-entry>
</policy>
</cos-scheduler-map-table-information>

```

### Description

## <policy-packet-loss-profile>

### Usage

```

<cos-table-information>

```

```
<cos-scheduler-map-table-information>
  <policy>
    <policy-entry>
      <policy-packet-loss-profile>
        <high-drop-profile-identifier>
          high-drop-profile-identifier
        </high-drop-profile-identifier>
        <medium-drop-profile-identifier>
          medium-drop-profile-identifier
        </medium-drop-profile-identifier>
        <low-drop-profile-identifier>
          low-drop-profile-identifier
        </low-drop-profile-identifier>
        <medium-high-drop-profile-identifier>
          medium-high-drop-profile-identifier
        </medium-high-drop-profile-identifier>
        <medium-low-drop-profile-identifier>
          medium-low-drop-profile-identifier
        </medium-low-drop-profile-identifier>
        <tcp-high-drop-profile-identifier>
          tcp-high-drop-profile-identifier
        </tcp-high-drop-profile-identifier>
        <tcp-low-drop-profile-identifier>
          tcp-low-drop-profile-identifier
        </tcp-low-drop-profile-identifier>
      </policy-packet-loss-profile>
    </policy-entry>
  </policy>
</cos-scheduler-map-table-information>
</cos-table-information>
```

#### Description

### <profile-map>

#### Usage

```
<drop-profile>
  <profile-map>
    <profile-map-item>....</profile-map-item>
  </profile-map>
</drop-profile>
```

#### Description

### <profile-map>

#### Usage

```
<cos-drop-profile-information>
  <drop-profile>
    <profile-map>
      <profile-map-item>....</profile-map-item>
    </profile-map>
  </drop-profile>
```

```
</cos-drop-profile-information>
```

#### Description

### <profile-map>

#### Usage

```
<cos-information>
  <cos-drop-profile-information>
    <drop-profile>
      <profile-map>
        <profile-map-item>....</profile-map-item>
      </profile-map>
    </drop-profile>
  </cos-drop-profile-information>
</cos-information>
```

#### Description

### <profile-map-item>

#### Usage

```
<drop-profile>
  <profile-map>
    <profile-map-item>
      <fill-level>
        fill-level
      </fill-level>
      <probability>
        probability
      </probability>
    </profile-map-item>
  </profile-map>
</drop-profile>
```

#### Description

### <profile-map-item>

#### Usage

```
<cos-drop-profile-information>
  <drop-profile>
    <profile-map>
      <profile-map-item>
        <fill-level>
          fill-level
        </fill-level>
        <probability>
          probability
        </probability>
      </profile-map-item>
    </profile-map>
  </drop-profile>
```

</cos-drop-profile-information>

#### Description

<profile-map-item>

#### Usage

```
<cos-information>
  <cos-drop-profile-information>
    <drop-profile>
      <profile-map>
        <profile-map-item>
          <fill-level>
            fill-level
          </fill-level>
          <probability>
            probability
          </probability>
        </profile-map-item>
      </profile-map>
    </drop-profile>
  </cos-drop-profile-information>
</cos-information>
```

#### Description

<red>

#### Usage

```
<cos-red-information>
  <red>
    <red-drop-profile-identifier>
      red-drop-profile-identifier
    </red-drop-profile-identifier>
    <number-of-entries>
      number-of-entries
    </number-of-entries>
    <red-entry>....</red-entry>
  </red>
</cos-red-information>
```

#### Description

<red>

#### Usage

```
<cos-table-information>
  <cos-red-information>
    <red>
      <red-drop-profile-identifier>
        red-drop-profile-identifier
      </red-drop-profile-identifier>
      <number-of-entries>
```

```

        number-of-entries
      </number-of-entries>
    <red-entry>....</red-entry>
  </red>
</cos-red-information>
</cos-table-information>

```

#### Description

#### <red-entry>

#### Usage

```

<cos-red-information>
  <red>
    <red-entry>
      <red-entry-index>
        red-entry-index
      </red-entry-index>
      <red-fullness>
        red-fullness
      </red-fullness>
      <red-drop-probability>
        red-drop-probability
      </red-drop-probability>
    </red-entry>
  </red>
</cos-red-information>

```

#### Description

#### <red-entry>

#### Usage

```

<cos-table-information>
  <cos-red-information>
    <red>
      <red-entry>
        <red-entry-index>
          red-entry-index
        </red-entry-index>
        <red-fullness>
          red-fullness
        </red-fullness>
        <red-drop-probability>
          red-drop-probability
        </red-drop-probability>
      </red-entry>
    </red>
  </cos-red-information>
</cos-table-information>

```

#### Description

## &lt;rewrite&gt;

## Usage

```
<rewrite>
  <rewrite-name>
    rewrite-name
  </rewrite-name>
  <code-point-type>
    code-point-type
  </code-point-type>
  <table-index>
    table-index
  </table-index>
  <rewrite-map>....</rewrite-map>
</rewrite>
```

**Description**    Class-of-service drop profile

## &lt;rewrite&gt;

## Usage

```
<cos-rewrite-information>
  <rewrite>
    <rewrite-name>
      rewrite-name
    </rewrite-name>
    <code-point-type>
      code-point-type
    </code-point-type>
    <table-index>
      table-index
    </table-index>
    <rewrite-map>....</rewrite-map>
  </rewrite>
</cos-rewrite-information>
```

**Description**    Class-of-service drop profile

## &lt;rewrite&gt;

## Usage

```
<cos-information>
  <cos-rewrite-information>
    <rewrite>
      <rewrite-name>
        rewrite-name
      </rewrite-name>
      <code-point-type>
        code-point-type
      </code-point-type>
      <table-index>
        table-index
      </table-index>
    </rewrite>
  </cos-rewrite-information>
</cos-information>
```



```
</table-index>
<rewrite-map>....</rewrite-map>
</rewrite>
</cos-rewrite-information>
</cos-information>
```

**Description** Class-of-service drop profile

### <rewrite-map>

#### Usage

```
<rewrite>
<rewrite-map>
  <rewrite-map-item>....</rewrite-map-item>
</rewrite-map>
</rewrite>
```

**Description**

### <rewrite-map>

#### Usage

```
<cos-rewrite-information>
<rewrite>
  <rewrite-map>
    <rewrite-map-item>....</rewrite-map-item>
  </rewrite-map>
</rewrite>
</cos-rewrite-information>
```

**Description**

### <rewrite-map>

#### Usage

```
<cos-information>
<cos-rewrite-information>
  <rewrite>
    <rewrite-map>
      <rewrite-map-item>....</rewrite-map-item>
    </rewrite-map>
  </rewrite>
</cos-rewrite-information>
</cos-information>
```

**Description**

### <rewrite-map-item>

#### Usage

```
<rewrite>
```

```
<rewrite-map>
  <rewrite-map-item>
    <code-point>
      code-point
    </code-point>
    <fc-name>
      fc-name
    </fc-name>
    <loss-priority>
      loss-priority
    </loss-priority>
  </rewrite-map-item>
</rewrite-map>
</rewrite>
```

#### Description

**<rewrite-map-item>**

#### Usage

```
<cos-rewrite-information>
  <rewrite>
    <rewrite-map>
      <rewrite-map-item>
        <code-point>
          code-point
        </code-point>
        <fc-name>
          fc-name
        </fc-name>
        <loss-priority>
          loss-priority
        </loss-priority>
      </rewrite-map-item>
    </rewrite-map>
  </rewrite>
</cos-rewrite-information>
```

#### Description

**<rewrite-map-item>**

#### Usage

```
<cos-information>
  <cos-rewrite-information>
    <rewrite>
      <rewrite-map>
        <rewrite-map-item>
          <code-point>
            code-point
          </code-point>
          <fc-name>
            fc-name
          </fc-name>
```

```

    <loss-priority>
      loss-priority
    </loss-priority>
  </rewrite-map-item>
</rewrite-map>
</rewrite>
</cos-rewrite-information>
</cos-information>

```

#### Description

### <rewrite-table>

#### Usage

```

<cos-rewrite-table-information>
  <rewrite-table>
    <table-index>
      table-index
    </table-index>
    <number-of-entries>
      number-of-entries
    </number-of-entries>
    <table-type>
      table-type
    </table-type>
    <rewrite-table-entry>....</rewrite-table-entry>
  </rewrite-table>
</cos-rewrite-table-information>

```

#### Description

### <rewrite-table>

#### Usage

```

<cos-table-information>
  <cos-rewrite-table-information>
    <rewrite-table>
      <table-index>
        table-index
      </table-index>
      <number-of-entries>
        number-of-entries
      </number-of-entries>
      <table-type>
        table-type
      </table-type>
      <rewrite-table-entry>....</rewrite-table-entry>
    </rewrite-table>
  </cos-rewrite-table-information>
</cos-table-information>

```

#### Description

## <rewrite-table-entry>

### Usage

```
<cos-rewrite-table-information>
  <rewrite-table>
    <rewrite-table-entry>
      <fc-queue-number>
        fc-queue-number
      </fc-queue-number>
      <rewrite-low-codepoint>
        rewrite-low-codepoint
      </rewrite-low-codepoint>
      <rewrite-low-enable-state>
        rewrite-low-enable-state
      </rewrite-low-enable-state>
      <rewrite-high-codepoint>
        rewrite-high-codepoint
      </rewrite-high-codepoint>
      <rewrite-high-enable-state>
        rewrite-high-enable-state
      </rewrite-high-enable-state>
      <rewrite-medium-codepoint>
        rewrite-medium-codepoint
      </rewrite-medium-codepoint>
      <rewrite-medium-enable-state>
        rewrite-medium-enable-state
      </rewrite-medium-enable-state>
      <rewrite-medium-low-codepoint>
        rewrite-medium-low-codepoint
      </rewrite-medium-low-codepoint>
      <rewrite-medium-low-enable-state>
        rewrite-medium-low-enable-state
      </rewrite-medium-low-enable-state>
      <rewrite-medium-high-codepoint>
        rewrite-medium-high-codepoint
      </rewrite-medium-high-codepoint>
      <rewrite-medium-high-enable-state>
        rewrite-medium-high-enable-state
      </rewrite-medium-high-enable-state>
    </rewrite-table-entry>
  </rewrite-table>
</cos-rewrite-table-information>
```

### Description

## <rewrite-table-entry>

### Usage

```
<cos-table-information>
  <cos-rewrite-table-information>
    <rewrite-table>
      <rewrite-table-entry>
        <fc-queue-number>
          fc-queue-number
```

```

</fc-queue-number>
<rewrite-low-codepoint>
  rewrite-low-codepoint
</rewrite-low-codepoint>
<rewrite-low-enable-state>
  rewrite-low-enable-state
</rewrite-low-enable-state>
<rewrite-high-codepoint>
  rewrite-high-codepoint
</rewrite-high-codepoint>
<rewrite-high-enable-state>
  rewrite-high-enable-state
</rewrite-high-enable-state>
<rewrite-medium-codepoint>
  rewrite-medium-codepoint
</rewrite-medium-codepoint>
<rewrite-medium-enable-state>
  rewrite-medium-enable-state
</rewrite-medium-enable-state>
<rewrite-medium-low-codepoint>
  rewrite-medium-low-codepoint
</rewrite-medium-low-codepoint>
<rewrite-medium-low-enable-state>
  rewrite-medium-low-enable-state
</rewrite-medium-low-enable-state>
<rewrite-medium-high-codepoint>
  rewrite-medium-high-codepoint
</rewrite-medium-high-codepoint>
<rewrite-medium-high-enable-state>
  rewrite-medium-high-enable-state
</rewrite-medium-high-enable-state>
</rewrite-table-entry>
</rewrite-table>
</cos-rewrite-table-information>
</cos-table-information>

```

## Description

### <rewrite-table-map>

#### Usage

```

<cos-rewrite-table-map-information>
  <rewrite-table-map>
    <table-index>
      table-index
    </table-index>
    <table-type>
      table-type
    </table-type>
    <logical-interface>
      logical-interface
    </logical-interface>
    <logical-interface-index>
      logical-interface-index
    </logical-interface-index>
  </rewrite-table-map>
</cos-rewrite-table-map-information>

```

```
</rewrite-table-map>
</cos-rewrite-table-map-information>
```

#### Description

### <rewrite-table-map>

#### Usage

```
<cos-table-information>
  <cos-rewrite-table-map-information>
    <rewrite-table-map>
      <table-index>
        table-index
      </table-index>
      <table-type>
        table-type
      </table-type>
      <logical-interface>
        logical-interface
      </logical-interface>
      <logical-interface-index>
        logical-interface-index
      </logical-interface-index>
    </rewrite-table-map>
  </cos-rewrite-table-map-information>
</cos-table-information>
```

#### Description

### <routing-instance-map>

#### Usage

```
<routing-instance-map>
  <routing-instance-name>
    routing-instance-name
  </routing-instance-name>
  <i-logical-map>....</i-logical-map>
</routing-instance-map>
```

**Description** Mapping between class-of-service objects and routing instances

### <routing-instance-map>

#### Usage

```
<cos-routing-instance-information>
  <routing-instance-map>
    <routing-instance-name>
      routing-instance-name
    </routing-instance-name>
    <i-logical-map>....</i-logical-map>
  </routing-instance-map>
```

```
</cos-routing-instance-information>
```

**Description** Mapping between class-of-service objects and routing instances

## <scheduler>

### Usage

```
<scheduler-map>
  <scheduler>
    <fc-name>
      fc-name
    </fc-name>
    <scheduler-name>
      scheduler-name
    </scheduler-name>
    <scheduler-index>
      scheduler-index
    </scheduler-index>
    <scheduler-tx-rate>
      scheduler-tx-rate
    </scheduler-tx-rate>
    <scheduler-tx-limit>
      scheduler-tx-limit
    </scheduler-tx-limit>
    <scheduler-buffer-size>
      scheduler-buffer-size
    </scheduler-buffer-size>
    <scheduler-buffer-limit>
      scheduler-buffer-limit
    </scheduler-buffer-limit>
    <scheduler-priority>
      scheduler-priority
    </scheduler-priority>
    <scheduler-excess-priority>
      scheduler-excess-priority
    </scheduler-excess-priority>
    <scheduler-shaping-rate>
      scheduler-shaping-rate
    </scheduler-shaping-rate>
    <scheduler-excess-rate>
      scheduler-excess-rate
    </scheduler-excess-rate>
    <scheduler-adjust-minimum>
      scheduler-adjust-minimum
    </scheduler-adjust-minimum>
    <scheduler-adjust-percent>
      scheduler-adjust-percent
    </scheduler-adjust-percent>
    <scheduler-drop-profile-ln-index>
      scheduler-drop-profile-ln-index
    </scheduler-drop-profile-ln-index>
    <scheduler-drop-profile-ln>
      scheduler-drop-profile-ln
    </scheduler-drop-profile-ln>
```

```
<scheduler-drop-profile-lt-index>
  scheduler-drop-profile-lt-index
</scheduler-drop-profile-lt-index>
<scheduler-drop-profile-lt>
  scheduler-drop-profile-lt
</scheduler-drop-profile-lt>
<scheduler-drop-profile-hn-index>
  scheduler-drop-profile-hn-index
</scheduler-drop-profile-hn-index>
<scheduler-drop-profile-hn>
  scheduler-drop-profile-hn
</scheduler-drop-profile-hn>
<scheduler-drop-profile-ht-index>
  scheduler-drop-profile-ht-index
</scheduler-drop-profile-ht-index>
<scheduler-drop-profile-ht>
  scheduler-drop-profile-ht
</scheduler-drop-profile-ht>
<scheduler-drop-profile-la-index>
  scheduler-drop-profile-la-index
</scheduler-drop-profile-la-index>
<scheduler-drop-profile-la>
  scheduler-drop-profile-la
</scheduler-drop-profile-la>
<scheduler-drop-profile-mla-index>
  scheduler-drop-profile-mla-index
</scheduler-drop-profile-mla-index>
<scheduler-drop-profile-mla>
  scheduler-drop-profile-mla
</scheduler-drop-profile-mla>
<scheduler-drop-profile-mha-index>
  scheduler-drop-profile-mha-index
</scheduler-drop-profile-mha-index>
<scheduler-drop-profile-mha>
  scheduler-drop-profile-mha
</scheduler-drop-profile-mha>
<scheduler-drop-profile-ma-index>
  scheduler-drop-profile-ma-index
</scheduler-drop-profile-ma-index>
<scheduler-drop-profile-ma>
  scheduler-drop-profile-ma
</scheduler-drop-profile-ma>
<scheduler-drop-profile-ha-index>
  scheduler-drop-profile-ha-index
</scheduler-drop-profile-ha-index>
<scheduler-drop-profile-ha>
  scheduler-drop-profile-ha
</scheduler-drop-profile-ha>
<drop-profile-map-set-type>
  drop-profile-map-set-type
</drop-profile-map-set-type>
</scheduler>
</scheduler-map>
```



## Description

## &lt;scheduler&gt;

## Usage

```

<cos-scheduler-map-information>
  <scheduler-map>
    <scheduler>
      <fc-name>
        fc-name
      </fc-name>
      <scheduler-name>
        scheduler-name
      </scheduler-name>
      <scheduler-index>
        scheduler-index
      </scheduler-index>
      <scheduler-tx-rate>
        scheduler-tx-rate
      </scheduler-tx-rate>
      <scheduler-tx-limit>
        scheduler-tx-limit
      </scheduler-tx-limit>
      <scheduler-buffer-size>
        scheduler-buffer-size
      </scheduler-buffer-size>
      <scheduler-buffer-limit>
        scheduler-buffer-limit
      </scheduler-buffer-limit>
      <scheduler-priority>
        scheduler-priority
      </scheduler-priority>
      <scheduler-excess-priority>
        scheduler-excess-priority
      </scheduler-excess-priority>
      <scheduler-shaping-rate>
        scheduler-shaping-rate
      </scheduler-shaping-rate>
      <scheduler-excess-rate>
        scheduler-excess-rate
      </scheduler-excess-rate>
      <scheduler-adjust-minimum>
        scheduler-adjust-minimum
      </scheduler-adjust-minimum>
      <scheduler-adjust-percent>
        scheduler-adjust-percent
      </scheduler-adjust-percent>
      <scheduler-drop-profile-ln-index>
        scheduler-drop-profile-ln-index
      </scheduler-drop-profile-ln-index>
      <scheduler-drop-profile-ln>
        scheduler-drop-profile-ln
      </scheduler-drop-profile-ln>
      <scheduler-drop-profile-lt-index>
        scheduler-drop-profile-lt-index
      </scheduler-drop-profile-lt-index>

```

```
<scheduler-drop-profile-lt>
  scheduler-drop-profile-lt
</scheduler-drop-profile-lt>
<scheduler-drop-profile-hn-index>
  scheduler-drop-profile-hn-index
</scheduler-drop-profile-hn-index>
<scheduler-drop-profile-hn>
  scheduler-drop-profile-hn
</scheduler-drop-profile-hn>
<scheduler-drop-profile-ht-index>
  scheduler-drop-profile-ht-index
</scheduler-drop-profile-ht-index>
<scheduler-drop-profile-ht>
  scheduler-drop-profile-ht
</scheduler-drop-profile-ht>
<scheduler-drop-profile-la-index>
  scheduler-drop-profile-la-index
</scheduler-drop-profile-la-index>
<scheduler-drop-profile-la>
  scheduler-drop-profile-la
</scheduler-drop-profile-la>
<scheduler-drop-profile-mla-index>
  scheduler-drop-profile-mla-index
</scheduler-drop-profile-mla-index>
<scheduler-drop-profile-mla>
  scheduler-drop-profile-mla
</scheduler-drop-profile-mla>
<scheduler-drop-profile-mha-index>
  scheduler-drop-profile-mha-index
</scheduler-drop-profile-mha-index>
<scheduler-drop-profile-mha>
  scheduler-drop-profile-mha
</scheduler-drop-profile-mha>
<scheduler-drop-profile-ma-index>
  scheduler-drop-profile-ma-index
</scheduler-drop-profile-ma-index>
<scheduler-drop-profile-ma>
  scheduler-drop-profile-ma
</scheduler-drop-profile-ma>
<scheduler-drop-profile-ha-index>
  scheduler-drop-profile-ha-index
</scheduler-drop-profile-ha-index>
<scheduler-drop-profile-ha>
  scheduler-drop-profile-ha
</scheduler-drop-profile-ha>
<drop-profile-map-set-type>
  drop-profile-map-set-type
</drop-profile-map-set-type>
</scheduler>
</scheduler-map>
</cos-scheduler-map-information>
```

## Description

**<scheduler-map>****Usage**

```

<scheduler-map>
  <scheduler-map-name>
    scheduler-map-name
  </scheduler-map-name>
  <scheduler-map-index>
    scheduler-map-index
  </scheduler-map-index>
  <scheduler>....</scheduler>
</scheduler-map>

```

**Description** Class-of-service scheduler map

**<scheduler-map>****Usage**

```

<cos-scheduler-map-information>
  <scheduler-map>
    <scheduler-map-name>
      scheduler-map-name
    </scheduler-map-name>
    <scheduler-map-index>
      scheduler-map-index
    </scheduler-map-index>
    <scheduler>....</scheduler>
  </scheduler-map>
</cos-scheduler-map-information>

```

**Description** Class-of-service scheduler map

**<shaper-table-map>****Usage**

```

<cos-shaper-table-map-information>
  <shaper-table-map>
    <s-interface>
      s-interface
    </s-interface>
    <s-interface-index>
      s-interface-index
    </s-interface-index>
    <shaper-bandwidth>
      shaper-bandwidth
    </shaper-bandwidth>
    <shaper-burst>
      shaper-burst
    </shaper-burst>
  </shaper-table-map>
</cos-shaper-table-map-information>

```

**Description****<shaper-table-map>****Usage**

```
<cos-table-information>
  <cos-shaper-table-map-information>
    <shaper-table-map>
      <s-interface>
        s-interface
      </s-interface>
      <s-interface-index>
        s-interface-index
      </s-interface-index>
      <shaper-bandwidth>
        shaper-bandwidth
      </shaper-bandwidth>
      <shaper-burst>
        shaper-burst
      </shaper-burst>
    </shaper-table-map>
  </cos-shaper-table-map-information>
</cos-table-information>
```

**Description****<sm-md-map>****Usage**

```
<cos-multi-destination-information>
  <sm-md-map>
    <scheduler-map-name>
      scheduler-map-name
    </scheduler-map-name>
    <scheduler-map-index>
      scheduler-map-index
    </scheduler-map-index>
  </sm-md-map>
</cos-multi-destination-information>
```

**Description****<sm-md-map>****Usage**

```
<cos-information>
  <cos-multi-destination-information>
    <sm-md-map>
      <scheduler-map-name>
        scheduler-map-name
      </scheduler-map-name>
      <scheduler-map-index>
        scheduler-map-index
      </scheduler-map-index>
    </sm-md-map>
  </cos-multi-destination-information>
</cos-information>
```

```

    </sm-md-map>
  </cos-multi-destination-information>
</cos-information>

```

## Description

### <total-statistics>

#### Usage

```

<total-statistics>
  <total-pkts-high>
    total-pkts-high
  </total-pkts-high>
  <total-pkts-low>
    total-pkts-low
  </total-pkts-low>
  <total-bytes-high>
    total-bytes-high
  </total-bytes-high>
  <total-bytes-low>
    total-bytes-low
  </total-bytes-low>
  <total-pps-high>
    total-pps-high
  </total-pps-high>
  <total-pps-low>
    total-pps-low
  </total-pps-low>
  <total-bps-high>
    total-bps-high
  </total-bps-high>
  <total-bps-low>
    total-bps-low
  </total-bps-low>
</total-statistics>

```

**Description** Total statistics

### <total-statistics>

#### Usage

```

<fpc-queue-information>
  <total-statistics>
    <total-pkts-high>
      total-pkts-high
    </total-pkts-high>
    <total-pkts-low>
      total-pkts-low
    </total-pkts-low>
    <total-bytes-high>
      total-bytes-high
    </total-bytes-high>
    <total-bytes-low>

```

```
    total-bytes-low
  </total-bytes-low>
  <total-pps-high>
    total-pps-high
  </total-pps-high>
  <total-pps-low>
    total-pps-low
  </total-pps-low>
  <total-bps-high>
    total-bps-high
  </total-bps-high>
  <total-bps-low>
    total-bps-low
  </total-bps-low>
</total-statistics>
</fpc-queue-information>
```

**Description** Total statistics

### <total-statistics>

#### Usage

```
<fabric-queue-information>
  <fpc-queue-information>
    <total-statistics>
      <total-pkts-high>
        total-pkts-high
      </total-pkts-high>
      <total-pkts-low>
        total-pkts-low
      </total-pkts-low>
      <total-bytes-high>
        total-bytes-high
      </total-bytes-high>
      <total-bytes-low>
        total-bytes-low
      </total-bytes-low>
      <total-pps-high>
        total-pps-high
      </total-pps-high>
      <total-pps-low>
        total-pps-low
      </total-pps-low>
      <total-bps-high>
        total-bps-high
      </total-bps-high>
      <total-bps-low>
        total-bps-low
      </total-bps-low>
    </total-statistics>
  </fpc-queue-information>
</fabric-queue-information>
```

Description    Total statistics

## <traffic-control-profile>

### Usage

```
<traffic-control-profile>
  <traffic-control-profile-name>
    traffic-control-profile-name
  </traffic-control-profile-name>
  <scheduler-map-name>
    scheduler-map-name
  </scheduler-map-name>
  <shaping-rate>
    shaping-rate
  </shaping-rate>
  <shaping-rate-priority-high>
    shaping-rate-priority-high
  </shaping-rate-priority-high>
  <shaping-rate-priority-medium>
    shaping-rate-priority-medium
  </shaping-rate-priority-medium>
  <shaping-rate-priority-low>
    shaping-rate-priority-low
  </shaping-rate-priority-low>
  <shaping-rate-excess-high>
    shaping-rate-excess-high
  </shaping-rate-excess-high>
  <shaping-rate-excess-low>
    shaping-rate-excess-low
  </shaping-rate-excess-low>
  <traffic-control-profile-index>
    traffic-control-profile-index
  </traffic-control-profile-index>
  <traffic-control-profile-instance>....</traffic-control-profile-instance>
  <guaranteed-rate>
    guaranteed-rate
  </guaranteed-rate>
  <delay-buffer-rate>
    delay-buffer-rate
  </delay-buffer-rate>
  <excess-rate>
    excess-rate
  </excess-rate>
  <overhead-bytes>
    overhead-bytes
  </overhead-bytes>
  <overhead-accounting-mode>
    overhead-accounting-mode
  </overhead-accounting-mode>
  <adjust-minimum>
    adjust-minimum
  </adjust-minimum>
</traffic-control-profile>
```

**Description** Information about one or more traffic control profiles

## <traffic-control-profile>

### Usage

```
<cos-traffic-control-profile-information>
  <traffic-control-profile>
    <traffic-control-profile-name>
      traffic-control-profile-name
    </traffic-control-profile-name>
    <scheduler-map-name>
      scheduler-map-name
    </scheduler-map-name>
    <shaping-rate>
      shaping-rate
    </shaping-rate>
    <shaping-rate-priority-high>
      shaping-rate-priority-high
    </shaping-rate-priority-high>
    <shaping-rate-priority-medium>
      shaping-rate-priority-medium
    </shaping-rate-priority-medium>
    <shaping-rate-priority-low>
      shaping-rate-priority-low
    </shaping-rate-priority-low>
    <shaping-rate-excess-high>
      shaping-rate-excess-high
    </shaping-rate-excess-high>
    <shaping-rate-excess-low>
      shaping-rate-excess-low
    </shaping-rate-excess-low>
    <traffic-control-profile-index>
      traffic-control-profile-index
    </traffic-control-profile-index>
    <traffic-control-profile-instance>....</traffic-control-profile-instance>
    <guaranteed-rate>
      guaranteed-rate
    </guaranteed-rate>
    <delay-buffer-rate>
      delay-buffer-rate
    </delay-buffer-rate>
    <excess-rate>
      excess-rate
    </excess-rate>
    <overhead-bytes>
      overhead-bytes
    </overhead-bytes>
    <overhead-accounting-mode>
      overhead-accounting-mode
    </overhead-accounting-mode>
    <adjust-minimum>
      adjust-minimum
    </adjust-minimum>
  </traffic-control-profile>
```



</cos-traffic-control-profile-information>

**Description** Information about one or more traffic control profiles

### <traffic-control-profile-instance>

#### Usage

```
<traffic-control-profile-instance>
  <traffic-control-profile-instance-name>
    traffic-control-profile-instance-name
  </traffic-control-profile-instance-name>
  <traffic-control-profile-instance-index>
    traffic-control-profile-instance-index
  </traffic-control-profile-instance-index>
  <instance-reference-count>
    instance-reference-count
  </instance-reference-count>
</traffic-control-profile-instance>
```

**Description** Class-of-service traffic control profile instance

### <traffic-control-profile-instance>

#### Usage

```
<traffic-control-profile>
  <traffic-control-profile-instance>
    <traffic-control-profile-instance-name>
      traffic-control-profile-instance-name
    </traffic-control-profile-instance-name>
    <traffic-control-profile-instance-index>
      traffic-control-profile-instance-index
    </traffic-control-profile-instance-index>
    <instance-reference-count>
      instance-reference-count
    </instance-reference-count>
  </traffic-control-profile-instance>
</traffic-control-profile>
```

**Description** Class-of-service traffic control profile instance

### <traffic-control-profile-instance>

#### Usage

```
<cos-traffic-control-profile-information>
  <traffic-control-profile>
    <traffic-control-profile-instance>
      <traffic-control-profile-instance-name>
        traffic-control-profile-instance-name
      </traffic-control-profile-instance-name>
      <traffic-control-profile-instance-index>
        traffic-control-profile-instance-index
    </traffic-control-profile-instance>
  </traffic-control-profile>
</cos-traffic-control-profile-information>
```

```
</traffic-control-profile-instance-index>
<instance-reference-count>
  instance-reference-count
</instance-reference-count>
</traffic-control-profile-instance>
</traffic-control-profile>
</cos-traffic-control-profile-information>
```

**Description** Class-of-service traffic control profile instance

## <translation-table>

### Usage

```
<translation-table>
  <translation-table-name>
    translation-table-name
  </translation-table-name>
  <translation-table-type>
    translation-table-type
  </translation-table-type>
  <table-index>
    table-index
  </table-index>
  <translation-table-map>....</translation-table-map>
  <number-of-entries>
    number-of-entries
  </number-of-entries>
  <translation-table-entry>....</translation-table-entry>
</translation-table>
```

**Description** Class-of-service code point translation table

## <translation-table>

### Usage

```
<cos-translation-table-map-information>
  <translation-table>
    <translation-table-name>
      translation-table-name
    </translation-table-name>
    <translation-table-type>
      translation-table-type
    </translation-table-type>
    <table-index>
      table-index
    </table-index>
    <translation-table-map>....</translation-table-map>
    <number-of-entries>
      number-of-entries
    </number-of-entries>
    <translation-table-entry>....</translation-table-entry>
  </translation-table>
```

```
</cos-translation-table-map-information>
```

**Description** Class-of-service code point translation table

## <translation-table>

### Usage

```
<cos-information>
  <cos-translation-table-map-information>
    <translation-table>
      <translation-table-name>
        translation-table-name
      </translation-table-name>
      <translation-table-type>
        translation-table-type
      </translation-table-type>
      <table-index>
        table-index
      </table-index>
      <translation-table-map>....</translation-table-map>
      <number-of-entries>
        number-of-entries
      </number-of-entries>
      <translation-table-entry>....</translation-table-entry>
    </translation-table>
  </cos-translation-table-map-information>
</cos-information>
```

**Description** Class-of-service code point translation table

## <translation-table>

### Usage

```
<cos-translation-table-information>
  <translation-table>
    <translation-table-name>
      translation-table-name
    </translation-table-name>
    <translation-table-type>
      translation-table-type
    </translation-table-type>
    <table-index>
      table-index
    </table-index>
    <translation-table-map>....</translation-table-map>
    <number-of-entries>
      number-of-entries
    </number-of-entries>
    <translation-table-entry>....</translation-table-entry>
  </translation-table>
</cos-translation-table-information>
```

**Description** Class-of-service code point translation table

### <translation-table-entry>

#### Usage

```
<translation-table>
  <translation-table-entry>
    <table-index>
      table-index
    </table-index>
    <from-code-point>
      from-code-point
    </from-code-point>
    <to-code-point>
      to-code-point
    </to-code-point>
  </translation-table-entry>
</translation-table>
```

#### Description

### <translation-table-entry>

#### Usage

```
<cos-translation-table-map-information>
  <translation-table>
    <translation-table-entry>
      <table-index>
        table-index
      </table-index>
      <from-code-point>
        from-code-point
      </from-code-point>
      <to-code-point>
        to-code-point
      </to-code-point>
    </translation-table-entry>
  </translation-table>
</cos-translation-table-map-information>
```

#### Description

### <translation-table-entry>

#### Usage

```
<cos-information>
  <cos-translation-table-map-information>
    <translation-table>
      <translation-table-entry>
        <table-index>
          table-index
        </table-index>
        <from-code-point>
```

```

        from-code-point
      </from-code-point>
      <to-code-point>
        to-code-point
      </to-code-point>
    </translation-table-entry>
  </translation-table>
</cos-translation-table-map-information>
</cos-information>

```

#### Description

### <translation-table-entry>

#### Usage

```

<cos-translation-table-information>
  <translation-table>
    <translation-table-entry>
      <table-index>
        table-index
      </table-index>
      <from-code-point>
        from-code-point
      </from-code-point>
      <to-code-point>
        to-code-point
      </to-code-point>
    </translation-table-entry>
  </translation-table>
</cos-translation-table-information>

```

#### Description

### <translation-table-map>

#### Usage

```

<translation-table>
  <translation-table-map>
    <translation-table-map-item>....</translation-table-map-item>
  </translation-table-map>
</translation-table>

```

#### Description

### <translation-table-map>

#### Usage

```

<cos-translation-table-map-information>
  <translation-table>
    <translation-table-map>
      <translation-table-map-item>....</translation-table-map-item>
    </translation-table-map>
  </translation-table>

```

```
</cos-translation-table-map-information>
```

#### Description

### <translation-table-map>

#### Usage

```
<cos-information>
  <cos-translation-table-map-information>
    <translation-table>
      <translation-table-map>
        <translation-table-map-item>....</translation-table-map-item>
      </translation-table-map>
    </translation-table>
  </cos-translation-table-map-information>
</cos-information>
```

#### Description

### <translation-table-map>

#### Usage

```
<cos-translation-table-information>
  <translation-table>
    <translation-table-map>
      <translation-table-map-item>....</translation-table-map-item>
    </translation-table-map>
  </translation-table>
</cos-translation-table-information>
```

#### Description

### <translation-table-map-item>

#### Usage

```
<translation-table>
  <translation-table-map>
    <translation-table-map-item>
      <from-code-point>
        from-code-point
      </from-code-point>
      <to-code-point>
        to-code-point
      </to-code-point>
    </translation-table-map-item>
  </translation-table-map>
</translation-table>
```

#### Description

**<translation-table-map-item>****Usage**

```

<cos-translation-table-map-information>
  <translation-table>
    <translation-table-map>
      <translation-table-map-item>
        <from-code-point>
          from-code-point
        </from-code-point>
        <to-code-point>
          to-code-point
        </to-code-point>
      </translation-table-map-item>
    </translation-table-map>
  </translation-table>
</cos-translation-table-map-information>

```

**Description****<translation-table-map-item>****Usage**

```

<cos-information>
  <cos-translation-table-map-information>
    <translation-table>
      <translation-table-map>
        <translation-table-map-item>
          <from-code-point>
            from-code-point
          </from-code-point>
          <to-code-point>
            to-code-point
          </to-code-point>
        </translation-table-map-item>
      </translation-table-map>
    </translation-table>
  </cos-translation-table-map-information>
</cos-information>

```

**Description****<translation-table-map-item>****Usage**

```

<cos-translation-table-information>
  <translation-table>
    <translation-table-map>
      <translation-table-map-item>
        <from-code-point>
          from-code-point
        </from-code-point>
        <to-code-point>

```

```
        to-code-point
      </to-code-point>
    </translation-table-map-item>
  </translation-table-map>
</translation-table>
</cos-translation-table-information>
```

#### Description

### <translation-table-mapping>

#### Usage

```
<cos-translation-table-mapping-information>
  <translation-table-mapping>
    <table-index>
      table-index
    </table-index>
    <translation-table-type>
      translation-table-type
    </translation-table-type>
    <logical-interface>
      logical-interface
    </logical-interface>
    <logical-interface-index>
      logical-interface-index
    </logical-interface-index>
  </translation-table-mapping>
</cos-translation-table-mapping-information>
```

#### Description

### <trigger-item>

#### Usage

```
<adaptive-shaper>
  <trigger-item>
    <trigger-type>
      trigger-type
    </trigger-type>
    <adaptive-shaping-rate>
      adaptive-shaping-rate
    </adaptive-shaping-rate>
  </trigger-item>
</adaptive-shaper>
```

#### Description

### <trigger-item>

#### Usage

```
<cos-adaptive-shaper-information>
  <adaptive-shaper>
    <trigger-item>
```



```

    <trigger-type>
      trigger-type
    </trigger-type>
    <adaptive-shaping-rate>
      adaptive-shaping-rate
    </adaptive-shaping-rate>
  </trigger-item>
</adaptive-shaper>
</cos-adaptive-shaper-information>

```

## Description

### <tx-statistics>

#### Usage

```

<tx-statistics>
  <tx-pkts-high>
    tx-pkts-high
  </tx-pkts-high>
  <tx-pkts-low>
    tx-pkts-low
  </tx-pkts-low>
  <tx-bytes-high>
    tx-bytes-high
  </tx-bytes-high>
  <tx-bytes-low>
    tx-bytes-low
  </tx-bytes-low>
  <tx-pps-high>
    tx-pps-high
  </tx-pps-high>
  <tx-pps-low>
    tx-pps-low
  </tx-pps-low>
  <tx-bps-high>
    tx-bps-high
  </tx-bps-high>
  <tx-bps-low>
    tx-bps-low
  </tx-bps-low>
</tx-statistics>

```

**Description** Tx statistics

### <tx-statistics>

#### Usage

```

<fpc-queue-information>
  <tx-statistics>
    <tx-pkts-high>
      tx-pkts-high
    </tx-pkts-high>
    <tx-pkts-low>

```

```
    tx-pkts-low
  </tx-pkts-low>
  <tx-bytes-high>
    tx-bytes-high
  </tx-bytes-high>
  <tx-bytes-low>
    tx-bytes-low
  </tx-bytes-low>
  <tx-pps-high>
    tx-pps-high
  </tx-pps-high>
  <tx-pps-low>
    tx-pps-low
  </tx-pps-low>
  <tx-bps-high>
    tx-bps-high
  </tx-bps-high>
  <tx-bps-low>
    tx-bps-low
  </tx-bps-low>
</tx-statistics>
</fpc-queue-information>
```

**Description** Tx statistics

### <tx-statistics>

#### Usage

```
<fabric-queue-information>
<fpc-queue-information>
  <tx-statistics>
    <tx-pkts-high>
      tx-pkts-high
    </tx-pkts-high>
    <tx-pkts-low>
      tx-pkts-low
    </tx-pkts-low>
    <tx-bytes-high>
      tx-bytes-high
    </tx-bytes-high>
    <tx-bytes-low>
      tx-bytes-low
    </tx-bytes-low>
    <tx-pps-high>
      tx-pps-high
    </tx-pps-high>
    <tx-pps-low>
      tx-pps-low
    </tx-pps-low>
    <tx-bps-high>
      tx-bps-high
    </tx-bps-high>
    <tx-bps-low>
      tx-bps-low
```

```

    </tx-bps-low>
  </tx-statistics>
</fpc-queue-information>
</fabric-queue-information>

```

**Description** Tx statistics

### <virtual-channel>

#### Usage

```

<virtual-channel>
  <virtual-channel-name>
    virtual-channel-name
  </virtual-channel-name>
  <table-index>
    table-index
  </table-index>
</virtual-channel>

```

**Description** Class-of-service virtual channel

### <virtual-channel>

#### Usage

```

<cos-virtual-channel-information>
  <virtual-channel>
    <virtual-channel-name>
      virtual-channel-name
    </virtual-channel-name>
    <table-index>
      table-index
    </table-index>
  </virtual-channel>
</cos-virtual-channel-information>

```

**Description** Class-of-service virtual channel

### <virtual-channel-group>

#### Usage

```

<virtual-channel-group>
  <virtual-channel-group-name>
    virtual-channel-group-name
  </virtual-channel-group-name>
  <table-index>
    table-index
  </table-index>
  <channel>....</channel>
</virtual-channel-group>

```

**Description** Class-of-service virtual channel group

### <virtual-channel-group>

**Usage**

```
<cos-virtual-channel-group-information>
  <virtual-channel-group>
    <virtual-channel-group-name>
      virtual-channel-group-name
    </virtual-channel-group-name>
    <table-index>
      table-index
    </table-index>
    <channel>....</channel>
  </virtual-channel-group>
</cos-virtual-channel-group-information>
```

**Description** Class-of-service virtual channel group

---

## Summary of Database Replication Response Tags

### <database-replication-statistics-information>

**Usage**

```
<database-replication-statistics-information>
  <dropped-connections-total>
    dropped-connections-total
  </dropped-connections-total>
  <max-buffer-count>
    max-buffer-count
  </max-buffer-count>
  <msg-received-bytes>
    msg-received-bytes
  </msg-received-bytes>
  <msgs-received-total>
    msgs-received-total
  </msgs-received-total>
  <msg-sent-bytes>
    msg-sent-bytes
  </msg-sent-bytes>
  <msgs-sent-total>
    msgs-sent-total
  </msgs-sent-total>
  <queue-full-total>
    queue-full-total
  </queue-full-total>
  <queue-max-size>
    queue-max-size
  </queue-max-size>
</database-replication-statistics-information>
```

**Description** Statistics from the database replication

## <database-replication-summary-information>

### Usage

```

<database-replication-summary-information>
  <replication-graceful-restart-type>
    replication-graceful-restart-type
  </replication-graceful-restart-type>
  <replication-mastership-type>
    replication-mastership-type
  </replication-mastership-type>
  <replication-connection-type>
    replication-connection-type
  </replication-connection-type>
  <replication-database-type>
    replication-database-type
  </replication-database-type>
  <replication-queue-type>
    replication-queue-type
  </replication-queue-type>
</database-replication-summary-information>

```

**Description** General state information about the database replication status

## Summary of DCD Interface Process Response Tags

### <bundle-information>

#### Usage

```

<targeting-information>
  <bundle-information>
    <bundle-name>
      bundle-name
    </bundle-name>
    <redundancy-mode>
      redundancy-mode
    </redundancy-mode>
    <n-distribution-interfaces>
      n-distribution-interfaces
    </n-distribution-interfaces>
    <row>....</row>
  </bundle-information>
</targeting-information>

```

#### Description

### <rebalance-interface>

#### Usage

```

<rebalance-interface>
  <rebalance-operation-status>....</rebalance-operation-status>
</rebalance-interface>

```

**Description****<rebalance-operation-status>****Usage**

```
<rebalance-interface>
  <rebalance-operation-status>
    <interface-name>
      interface-name
    </interface-name>
  </rebalance-operation-status>
</rebalance-interface>
```

**Description****<row>****Usage**

```
<targeting-information>
  <bundle-information>
    <row>
      <physical-intf-name>
        physical-intf-name
      </physical-intf-name>
      <link-status>
        link-status
      </link-status>
      <n-primary-distributions>
        n-primary-distributions
      </n-primary-distributions>
      <n-backup-distributions>
        n-backup-distributions
      </n-backup-distributions>
    </row>
  </bundle-information>
</targeting-information>
```

**Description****<targeting-information>****Usage**

```
<targeting-information>
  <bundle-information>....</bundle-information>
</targeting-information>
```

**Description**

## Summary of Dynamic Flow Capture Response Tags

### <content-destination-information>

#### Usage

```
<dfc-information>
  <content-destination-information>
    <capture-group-id>
      capture-group-id
    </capture-group-id>
    <content-destination-id>
      content-destination-id
    </content-destination-id>
    <criteria>
      criteria
    </criteria>
    <bandwidth>
      bandwidth
    </bandwidth>
    <average-bandwidth>
      average-bandwidth
    </average-bandwidth>
    <matched-packets>
      matched-packets
    </matched-packets>
    <matched-bytes>
      matched-bytes
    </matched-bytes>
    <dropped-packets>
      dropped-packets
    </dropped-packets>
    <congestion-notifications>
      congestion-notifications
    </congestion-notifications>
  </content-destination-information>
</dfc-information>
```

#### Description

### <control-source-information>

#### Usage

```
<dfc-information>
  <control-source-information>
    <capture-group-id>
      capture-group-id
    </capture-group-id>
    <control-source-id>
      control-source-id
    </control-source-id>
    <criteria-added>
      criteria-added
    </criteria-added>
    <criteria-add-failed>
```

```
criteria-add-failed
</criteria-add-failed>
<active-criteria>
  active-criteria
</active-criteria>
<active-criteria-static>
  active-criteria-static
</active-criteria-static>
<active-criteria-dynamic>
  active-criteria-dynamic
</active-criteria-dynamic>
<control-protocol-requests>
  control-protocol-requests
</control-protocol-requests>
<control-protocol-requests-add>
  control-protocol-requests-add
</control-protocol-requests-add>
<control-protocol-requests-delete>
  control-protocol-requests-delete
</control-protocol-requests-delete>
<control-protocol-requests-list>
  control-protocol-requests-list
</control-protocol-requests-list>
<control-protocol-requests-refresh>
  control-protocol-requests-refresh
</control-protocol-requests-refresh>
<control-protocol-requests-noop>
  control-protocol-requests-noop
</control-protocol-requests-noop>
<control-protocol-requests-add-failed>
  control-protocol-requests-add-failed
</control-protocol-requests-add-failed>
<control-protocol-requests-delete-failed>
  control-protocol-requests-delete-failed
</control-protocol-requests-delete-failed>
<control-protocol-requests-list-failed>
  control-protocol-requests-list-failed
</control-protocol-requests-list-failed>
<control-protocol-requests-refresh-failed>
  control-protocol-requests-refresh-failed
</control-protocol-requests-refresh-failed>
<control-protocol-requests-noop-failed>
  control-protocol-requests-noop-failed
</control-protocol-requests-noop-failed>
<add-request-rate>
  add-request-rate
</add-request-rate>
<add-request-peak-rate>
  add-request-peak-rate
</add-request-peak-rate>
<bandwidth-all>
  bandwidth-all
</bandwidth-all>
<notifications>
  notifications
</notifications>
```



```

<notifications-restart>
  notifications-restart
</notifications-restart>
<notifications-rollover>
  notifications-rollover
</notifications-rollover>
<notifications-noop>
  notifications-noop
</notifications-noop>
<notifications-timeout>
  notifications-timeout
</notifications-timeout>
<notifications-congestion>
  notifications-congestion
</notifications-congestion>
<notifications-congestion-delete>
  notifications-congestion-delete
</notifications-congestion-delete>
<notifications-dups-dropped>
  notifications-dups-dropped
</notifications-dups-dropped>
<criteria-deleted>
  criteria-deleted
</criteria-deleted>
<criteria-deleted-timeout-idle>
  criteria-deleted-timeout-idle
</criteria-deleted-timeout-idle>
<criteria-deleted-timeout-total>
  criteria-deleted-timeout-total
</criteria-deleted-timeout-total>
<criteria-deleted-packets>
  criteria-deleted-packets
</criteria-deleted-packets>
<criteria-deleted-bytes>
  criteria-deleted-bytes
</criteria-deleted-bytes>
<sequence-number>
  sequence-number
</sequence-number>
</control-source-information>
</dfc-information>

```

#### Description

<dfc-information>

#### Usage

```

<dfc-information>
  <control-source-information>....</control-source-information>
  <content-destination-information>....</content-destination-information>
  <dfc-statistics-information>....</dfc-statistics-information>
</dfc-information>

```

#### Description

## &lt;dfc-statistics-information&gt;

## Usage

```
<dfc-information>
  <dfc-statistics-information>
    <capture-group-id>
      capture-group-id
    </capture-group-id>
    <input-packets-control-protocol>
      input-packets-control-protocol
    </input-packets-control-protocol>
    <input-packets-cap-data>
      input-packets-cap-data
    </input-packets-cap-data>
    <input-packets-control-iri>
      input-packets-control-iri
    </input-packets-control-iri>
    <input-packets-control-protocol-not-ip>
      input-packets-control-protocol-not-ip
    </input-packets-control-protocol-not-ip>
    <input-packets-control-protocol-not-udp>
      input-packets-control-protocol-not-udp
    </input-packets-control-protocol-not-udp>
    <input-packets-control-protocol-invalid-dest-ip>
      input-packets-control-protocol-invalid-dest-ip
    </input-packets-control-protocol-invalid-dest-ip>
    <input-packets-control-protocol-drop-other>
      input-packets-control-protocol-drop-other
    </input-packets-control-protocol-drop-other>
    <input-packets-control-protocol-drop-no-memory>
      input-packets-control-protocol-drop-no-memory
    </input-packets-control-protocol-drop-no-memory>
    <input-packets-control-protocol-drop-unauthorized>
      input-packets-control-protocol-drop-unauthorized
    </input-packets-control-protocol-drop-unauthorized>
    <input-packets-control-protocol-drop-bad-req>
      input-packets-control-protocol-drop-bad-req
    </input-packets-control-protocol-drop-bad-req>
    <input-packets-control-protocol-drop-unknown-control-source>
      input-packets-control-protocol-drop-unknown-control-source
    </input-packets-control-protocol-drop-unknown-control-source>
    <input-packets-control-protocol-drop-not-dtcp>
      input-packets-control-protocol-drop-not-dtcp
    </input-packets-control-protocol-drop-not-dtcp>
    <input-packets-control-protocol-drop-bad-cmdline>
      input-packets-control-protocol-drop-bad-cmdline
    </input-packets-control-protocol-drop-bad-cmdline>
    <input-packets-control-protocol-drop-bandwidth-exceeded>
      input-packets-control-protocol-drop-bandwidth-exceeded
    </input-packets-control-protocol-drop-bandwidth-exceeded>
    <input-packets-control-protocol-drop-rate-bandwidth-exceeded>
      input-packets-control-protocol-drop-rate-bandwidth-exceeded
    </input-packets-control-protocol-drop-rate-bandwidth-exceeded>
    <input-packets-drop-unknown>
      input-packets-drop-unknown
```

```
</input-packets-drop-unknown>
<input-packets-drop-cap-data-not-ipv4>
  input-packets-drop-cap-data-not-ipv4
</input-packets-drop-cap-data-not-ipv4>
<input-packets-drop-cap-data-too-small>
  input-packets-drop-cap-data-too-small
</input-packets-drop-cap-data-too-small>
<input-packets-drop-cap-data-drop>
  input-packets-drop-cap-data-drop
</input-packets-drop-cap-data-drop>
<input-packets-drop-cap-data-nomatch>
  input-packets-drop-cap-data-nomatch
</input-packets-drop-cap-data-nomatch>
<input-packets-drop-bandwidth-exceeded>
  input-packets-drop-bandwidth-exceeded
</input-packets-drop-bandwidth-exceeded>
<input-packets-drop-rate-bandwidth-exceeded>
  input-packets-drop-rate-bandwidth-exceeded
</input-packets-drop-rate-bandwidth-exceeded>
<output-packets-control-protocol>
  output-packets-control-protocol
</output-packets-control-protocol>
<output-packets-cap-data>
  output-packets-cap-data
</output-packets-cap-data>
<output-packets-drop-control-protocol>
  output-packets-drop-control-protocol
</output-packets-drop-control-protocol>
<output-packets-drop-cap-data>
  output-packets-drop-cap-data
</output-packets-drop-cap-data>
<flowstats-active-cache-entries-count>
  flowstats-active-cache-entries-count
</flowstats-active-cache-entries-count>
<flowstats-active-cache-usage-percentage>
  flowstats-active-cache-usage-percentage
</flowstats-active-cache-usage-percentage>
<flowstats-cache-entries-allocated>
  flowstats-cache-entries-allocated
</flowstats-cache-entries-allocated>
<flowstats-control-source-count>
  flowstats-control-source-count
</flowstats-control-source-count>
<flowstats-content-destination-count>
  flowstats-content-destination-count
</flowstats-content-destination-count>
<flowstats-criteria-count>
  flowstats-criteria-count
</flowstats-criteria-count>
<flowstats-maximum-criteria-matching-flow>
  flowstats-maximum-criteria-matching-flow
</flowstats-maximum-criteria-matching-flow>
<flowstats-purged-flows>
  flowstats-purged-flows
</flowstats-purged-flows>
<flowstats-maximum-filter-matching-packet>
```

```
        flowstats-maximum-filter-matching-packet
      </flowstats-maximum-filter-matching-packet>
    </dfc-statistics-information>
  </dfc-information>
```

## Description

## Summary of DHCP Relay Response Tags ---

### <binding-summary>

#### Usage

```
<dhcp-relay-binding-information>
  <binding-summary>
    <binding-count>
      binding-count
    </binding-count>
    <init-count>
      init-count
    </init-count>
    <bound-count>
      bound-count
    </bound-count>
    <selecting-count>
      selecting-count
    </selecting-count>
    <requesting-count>
      requesting-count
    </requesting-count>
    <renewing-count>
      renewing-count
    </renewing-count>
    <rebinding-count>
      rebinding-count
    </rebinding-count>
    <releasing-count>
      releasing-count
    </releasing-count>
    <restore-count>
      restore-count
    </restore-count>
  </binding-summary>
</dhcp-relay-binding-information>
```

## Description

### <dhcp-binding>

#### Usage

```
<dhcp-relay-binding-information>
  <dhcp-binding>
    <allocated-address>
      allocated-address
    </allocated-address>
```

```
<mac-address>
  mac-address
</mac-address>
<lease-expires>
  lease-expires
</lease-expires>
<lease-start-time>
  lease-start-time
</lease-start-time>
<lease-end-time>
  lease-end-time
</lease-end-time>
<lease-state>
  lease-state
</lease-state>
<interface-name>
  interface-name
</interface-name>
<vlan-id>
  vlan-id
</vlan-id>
<svlan-id>
  svlan-id
</svlan-id>
<demux-interface-name>
  demux-interface-name
</demux-interface-name>
<server-ip-address>
  server-ip-address
</server-ip-address>
<server-interface-name>
  server-interface-name
</server-interface-name>
<bootp-relay-address>
  bootp-relay-address
</bootp-relay-address>
<previous-bootp-relay-address>
  previous-bootp-relay-address
</previous-bootp-relay-address>
<session-id>
  session-id
</session-id>
<pool-name>
  pool-name
</pool-name>
<profile-name>
  profile-name
</profile-name>
<dhcp-lease-binding-type>
  dhcp-lease-binding-type
</dhcp-lease-binding-type>
<client-id-len>
  client-id-len
</client-id-len>
<client-id>
  client-id
```

```
</client-id>
<alt-client-id-len>
  alt-client-id-len
</alt-client-id-len>
<alt-client-id>
  alt-client-id
</alt-client-id>
<client-option-type>
  client-option-type
</client-option-type>
<client-option-len>
  client-option-len
</client-option-len>
<client-option-data>
  client-option-data
</client-option-data>
<option-82-length-from-client>
  option-82-length-from-client
</option-82-length-from-client>
<option-82-data-from-client>
  option-82-data-from-client
</option-82-data-from-client>
<hardware-type>
  hardware-type
</hardware-type>
<logical-system-routing-instance>
  logical-system-routing-instance
</logical-system-routing-instance>
<bridge-domain>
  bridge-domain
</bridge-domain>
<client-info>
  client-info
</client-info>
<retail-logical-system-routing-instance>
  retail-logical-system-routing-instance
</retail-logical-system-routing-instance>
<retail-bridge-domain>
  retail-bridge-domain
</retail-bridge-domain>
<wholesale-logical-system-routing-instance>
  wholesale-logical-system-routing-instance
</wholesale-logical-system-routing-instance>
<wholesale-bridge-domain>
  wholesale-bridge-domain
</wholesale-bridge-domain>
<antispoof-filter-name>
  antispoof-filter-name
</antispoof-filter-name>
<antispoof-filter-flags>
  antispoof-filter-flags
</antispoof-filter-flags>
<antispoof-filter-state>
  antispoof-filter-state
</antispoof-filter-state>
<antispoof-filter-type>
```

```

    antispoof-filter-type
  </antispoof-filter-type>
  <antispoof-filter-term-id>
    antispoof-filter-term-id
  </antispoof-filter-term-id>
  <antispoof-filter-action>
    antispoof-filter-action
  </antispoof-filter-action>
  <antispoof-filter-parent>
    antispoof-filter-parent
  </antispoof-filter-parent>
  <antispoof-filter-owner>
    antispoof-filter-owner
  </antispoof-filter-owner>
  <authentication-num-servers>
    authentication-num-servers
  </authentication-num-servers>
  <client-stale-count>
    client-stale-count
  </client-stale-count>
  <auth-client-limit>
    auth-client-limit
  </auth-client-limit>
  <auth-relay-server-group>
    auth-relay-server-group
  </auth-relay-server-group>
</dhcp-binding>
</dhcp-relay-binding-information>

```

**Description** Information about the address assigned to a Dynamic Host Configuration Protocol client

### <dhcp-relay-binding-information>

#### Usage

```

<dhcp-relay-binding-information>
  <binding-summary>.....</binding-summary>
  <dhcp-binding>.....</dhcp-binding>
</dhcp-relay-binding-information>

```

**Description** Information about the address assigned to each of one or more Dynamic Host Configuration Protocol clients

### <dhcp-relay-statistics-information>

#### Usage

```

<dhcp-relay-statistics-information>
  <dropped-packet-total>
    dropped-packet-total
  </dropped-packet-total>
  <dropped-packet-bad-hardware>
    dropped-packet-bad-hardware
  </dropped-packet-bad-hardware>

```

```
<dropped-packet-bootp-packet>
  dropped-packet-bootp-packet
</dropped-packet-bootp-packet>
<dropped-packet-bad-bootp-opcode>
  dropped-packet-bad-bootp-opcode
</dropped-packet-bad-bootp-opcode>
<dropped-packet-bad-options>
  dropped-packet-bad-options
</dropped-packet-bad-options>
<dropped-packet-invalid-server-address>
  dropped-packet-invalid-server-address
</dropped-packet-invalid-server-address>
<dropped-packet-no-addresses>
  dropped-packet-no-addresses
</dropped-packet-no-addresses>
<dropped-packet-no-interface-cfg>
  dropped-packet-no-interface-cfg
</dropped-packet-no-interface-cfg>
<dropped-packet-no-local-address>
  dropped-packet-no-local-address
</dropped-packet-no-local-address>
<dropped-packet-too-short>
  dropped-packet-too-short
</dropped-packet-too-short>
<dropped-packet-send-error>
  dropped-packet-send-error
</dropped-packet-send-error>
<dropped-packet-option-60>
  dropped-packet-option-60
</dropped-packet-option-60>
<dropped-packet-option-82>
  dropped-packet-option-82
</dropped-packet-option-82>
<dropped-packet-authentication>
  dropped-packet-authentication
</dropped-packet-authentication>
<dropped-packet-dynamic-profile>
  dropped-packet-dynamic-profile
</dropped-packet-dynamic-profile>
<dropped-packet-license>
  dropped-packet-license
</dropped-packet-license>
<dropped-packet-bad-dhcp-opcode>
  dropped-packet-bad-dhcp-opcode
</dropped-packet-bad-dhcp-opcode>
<dropped-packet-no-options>
  dropped-packet-no-options
</dropped-packet-no-options>
<dropped-packet-hop-limit>
  dropped-packet-hop-limit
</dropped-packet-hop-limit>
<dropped-packet-ttl-expired>
  dropped-packet-ttl-expired
</dropped-packet-ttl-expired>
<dropped-packet-bad-udp-checksum>
  dropped-packet-bad-udp-checksum
```



```

</dropped-packet-bad-udp-checksum>
<dropped-packet-dhcp-service-total>
  dropped-packet-dhcp-service-total
</dropped-packet-dhcp-service-total>
<message-table>....</message-table>
<forwarded-packets-total>
  forwarded-packets-total
</forwarded-packets-total>
<forwarded-bootrequest-packets>
  forwarded-bootrequest-packets
</forwarded-bootrequest-packets>
<forwarded-bootreply-packets>
  forwarded-bootreply-packets
</forwarded-bootreply-packets>
</dhcp-relay-statistics-information>

```

**Description** Statistics from the Dynamic Host Configuration Protocol Relay

## <dhcpv6-binding>

### Usage

```

<dhcpv6-relay-binding-information>
<dhcpv6-binding>
  <allocated-address>
    allocated-address
  </allocated-address>
  <client-duid>
    client-duid
  </client-duid>
  <client-id-len>
    client-id-len
  </client-id-len>
  <client-id>
    client-id
  </client-id>
  <alt-client-id-len>
    alt-client-id-len
  </alt-client-id-len>
  <alt-client-id>
    alt-client-id
  </alt-client-id>
  <lease-expires>
    lease-expires
  </lease-expires>
  <lease-start-time>
    lease-start-time
  </lease-start-time>
  <lease-end-time>
    lease-end-time
  </lease-end-time>
  <lease-state>
    lease-state
  </lease-state>
  <interface-name>

```

```
    interface-name
  </interface-name>
  <vlan-id>
    vlan-id
  </vlan-id>
  <svlan-id>
    svlan-id
  </svlan-id>
  <demux-interface-name>
    demux-interface-name
  </demux-interface-name>
  <server-ip-address>
    server-ip-address
  </server-ip-address>
  <session-id>
    session-id
  </session-id>
  <server-interface-name>
    server-interface-name
  </server-interface-name>
  <v6-relay-address>
    v6-relay-address
  </v6-relay-address>
  <previous-v6-relay-address>
    previous-v6-relay-address
  </previous-v6-relay-address>
  <pool-name>
    pool-name
  </pool-name>
  <profile-name>
    profile-name
  </profile-name>
  <dhcpv6-server-id>
    dhcpv6-server-id
  </dhcpv6-server-id>
  <dhcp-lease-binding-type>
    dhcp-lease-binding-type
  </dhcp-lease-binding-type>
  <client-option-type>
    client-option-type
  </client-option-type>
  <client-option-len>
    client-option-len
  </client-option-len>
  <client-option-data>
    client-option-data
  </client-option-data>
  <option-18-length-from-client>
    option-18-length-from-client
  </option-18-length-from-client>
  <option-18-data-from-client>
    option-18-data-from-client
  </option-18-data-from-client>
  <hardware-type>
    hardware-type
  </hardware-type>
```

```

<logical-system-routing-instance>
  logical-system-routing-instance
</logical-system-routing-instance>
<bridge-domain>
  bridge-domain
</bridge-domain>
<authentication-num-servers>
  authentication-num-servers
</authentication-num-servers>
<client-stale-count>
  client-stale-count
</client-stale-count>
<auth-client-limit>
  auth-client-limit
</auth-client-limit>
<auth-relay-server-group>
  auth-relay-server-group
</auth-relay-server-group>
</dhcpv6-binding>
</dhcpv6-relay-binding-information>

```

**Description** Information about the address assigned to an IPv6 Dynamic Host Configuration Protocol client

### <dhcpv6-binding-summary>

#### Usage

```

<dhcpv6-relay-binding-information>
<dhcpv6-binding-summary>
  <dhcpv6-binding-count>
    dhcpv6-binding-count
  </dhcpv6-binding-count>
  <dhcpv6-init-count>
    dhcpv6-init-count
  </dhcpv6-init-count>
  <dhcpv6-bound-count>
    dhcpv6-bound-count
  </dhcpv6-bound-count>
  <dhcpv6-selecting-count>
    dhcpv6-selecting-count
  </dhcpv6-selecting-count>
  <dhcpv6-requesting-count>
    dhcpv6-requesting-count
  </dhcpv6-requesting-count>
  <dhcpv6-renewing-count>
    dhcpv6-renewing-count
  </dhcpv6-renewing-count>
  <dhcpv6-rebinding-count>
    dhcpv6-rebinding-count
  </dhcpv6-rebinding-count>
  <dhcpv6-releasing-count>
    dhcpv6-releasing-count
  </dhcpv6-releasing-count>
  <dhcpv6-restore-count>

```

```
        dhcpv6-restore-count
      </dhcpv6-restore-count>
    </dhcpv6-binding-summary>
  </dhcpv6-relay-binding-information>
```

**Description****<dhcpv6-message>****Usage**

```
<dhcpv6-relay-statistics-information>
  <dhcpv6-message-table>
    <dhcpv6-message>
      <dhcpv6-message-name>
        dhcpv6-message-name
      </dhcpv6-message-name>
      <dhcpv6-message-count>
        dhcpv6-message-count
      </dhcpv6-message-count>
    </dhcpv6-message>
  </dhcpv6-message-table>
</dhcpv6-relay-statistics-information>
```

**Description** Information about a DHCPv6 message

**<dhcpv6-message-table>****Usage**

```
<dhcpv6-relay-statistics-information>
  <dhcpv6-message-table>
    <dhcpv6-message-direction>
      dhcpv6-message-direction
    </dhcpv6-message-direction>
    <dhcpv6-message>....</dhcpv6-message>
  </dhcpv6-message-table>
</dhcpv6-relay-statistics-information>
```

**Description** Information about one or more DHCPv6 messages sent or received by the DHCPv6 server

**<dhcpv6-relay-binding-information>****Usage**

```
<dhcpv6-relay-binding-information>
  <dhcpv6-binding-summary>....</dhcpv6-binding-summary>
  <dhcpv6-binding>....</dhcpv6-binding>
</dhcpv6-relay-binding-information>
```

**Description** Information about the address assigned to each of one or more DHCPv6 clients

## &lt;dhcpv6-relay-statistics-information&gt;

## Usage

```

<dhcpv6-relay-statistics-information>
  <v6-dropped-packet-total>
    v6-dropped-packet-total
  </v6-dropped-packet-total>
  <v6-dropped-packet-no-safd>
    v6-dropped-packet-no-safd
  </v6-dropped-packet-no-safd>
  <v6-dropped-packet-bad-send>
    v6-dropped-packet-bad-send
  </v6-dropped-packet-bad-send>
  <v6-dropped-packet-short-packet>
    v6-dropped-packet-short-packet
  </v6-dropped-packet-short-packet>
  <v6-dropped-packet-bad-msgtype>
    v6-dropped-packet-bad-msgtype
  </v6-dropped-packet-bad-msgtype>
  <v6-dropped-packet-bad-options>
    v6-dropped-packet-bad-options
  </v6-dropped-packet-bad-options>
  <v6-dropped-packet-bad-srcaddress>
    v6-dropped-packet-bad-srcaddress
  </v6-dropped-packet-bad-srcaddress>
  <v6-dropped-packet-relay-hop-count>
    v6-dropped-packet-relay-hop-count
  </v6-dropped-packet-relay-hop-count>
  <v6-dropped-packet-no-client-id>
    v6-dropped-packet-no-client-id
  </v6-dropped-packet-no-client-id>
  <v6-dropped-packet-strict-reconfigure>
    v6-dropped-packet-strict-reconfigure
  </v6-dropped-packet-strict-reconfigure>
  <dhcpv6-message-table>....</dhcpv6-message-table>
</dhcpv6-relay-statistics-information>

```

**Description** Statistics from the IPv6 Dynamic Host Configuration Protocol Server

## &lt;message&gt;

## Usage

```

<dhcp-relay-statistics-information>
  <message-table>
    <message>
      <message-name>
        message-name
      </message-name>
      <message-count>
        message-count
      </message-count>
    </message>
  </message-table>

```

```
</dhcp-relay-statistics-information>
```

**Description** Information about a DHCP or BOOTP message

### <message-table>

**Usage**

```
<dhcp-relay-statistics-information>
  <message-table>
    <message-direction>
      message-direction
    </message-direction>
    <message>....</message>
  </message-table>
</dhcp-relay-statistics-information>
```

**Description** Information about one or more DHCP or bootstrap protocol (BOOTP) messages sent or received by the DHCP relay

---

## Summary of DHCP Server Response Tags

### <binding-summary>

**Usage**

```
<dhcp-server-binding-information>
  <binding-summary>
    <binding-count>
      binding-count
    </binding-count>
    <init-count>
      init-count
    </init-count>
    <bound-count>
      bound-count
    </bound-count>
    <selecting-count>
      selecting-count
    </selecting-count>
    <requesting-count>
      requesting-count
    </requesting-count>
    <renewing-count>
      renewing-count
    </renewing-count>
    <releasing-count>
      releasing-count
    </releasing-count>
    <restore-count>
      restore-count
    </restore-count>
  </binding-summary>
```

```
</dhcp-server-binding-information>
```

## Description

```
<dhcp-binding>
```

## Usage

```
<dhcp-server-binding-information>
  <dhcp-binding>
    <allocated-address>
      allocated-address
    </allocated-address>
    <mac-address>
      mac-address
    </mac-address>
    <lease-expires>
      lease-expires
    </lease-expires>
    <lease-start-time>
      lease-start-time
    </lease-start-time>
    <lease-end-time>
      lease-end-time
    </lease-end-time>
    <lease-state>
      lease-state
    </lease-state>
    <interface-name>
      interface-name
    </interface-name>
    <vlan-id>
      vlan-id
    </vlan-id>
    <svlan-id>
      svlan-id
    </svlan-id>
    <demux-interface-name>
      demux-interface-name
    </demux-interface-name>
    <server-ip-address>
      server-ip-address
    </server-ip-address>
    <bootp-relay-address>
      bootp-relay-address
    </bootp-relay-address>
    <previous-bootp-relay-address>
      previous-bootp-relay-address
    </previous-bootp-relay-address>
    <session-id>
      session-id
    </session-id>
    <pool-name>
      pool-name
    </pool-name>
    <profile-name>
```

```
    profile-name
  </profile-name>
  <dhcp-lease-binding-type>
    dhcp-lease-binding-type
  </dhcp-lease-binding-type>
  <client-id-len>
    client-id-len
  </client-id-len>
  <client-id>
    client-id
  </client-id>
  <alt-client-id-len>
    alt-client-id-len
  </alt-client-id-len>
  <alt-client-id>
    alt-client-id
  </alt-client-id>
  <client-option-type>
    client-option-type
  </client-option-type>
  <client-option-len>
    client-option-len
  </client-option-len>
  <client-option-data>
    client-option-data
  </client-option-data>
  <option-82-length-from-client>
    option-82-length-from-client
  </option-82-length-from-client>
  <option-82-data-from-client>
    option-82-data-from-client
  </option-82-data-from-client>
  <hardware-type>
    hardware-type
  </hardware-type>
  <logical-system-routing-instance>
    logical-system-routing-instance
  </logical-system-routing-instance>
  <bridge-domain>
    bridge-domain
  </bridge-domain>
  <client-info>
    client-info
  </client-info>
  <retail-logical-system-routing-instance>
    retail-logical-system-routing-instance
  </retail-logical-system-routing-instance>
  <retail-bridge-domain>
    retail-bridge-domain
  </retail-bridge-domain>
  <wholesale-logical-system-routing-instance>
    wholesale-logical-system-routing-instance
  </wholesale-logical-system-routing-instance>
  <wholesale-bridge-domain>
    wholesale-bridge-domain
  </wholesale-bridge-domain>
```



```

<antispoof-filter-name>
  antispoof-filter-name
</antispoof-filter-name>
<antispoof-filter-flags>
  antispoof-filter-flags
</antispoof-filter-flags>
<antispoof-filter-state>
  antispoof-filter-state
</antispoof-filter-state>
<antispoof-filter-type>
  antispoof-filter-type
</antispoof-filter-type>
<antispoof-filter-term-id>
  antispoof-filter-term-id
</antispoof-filter-term-id>
<antispoof-filter-action>
  antispoof-filter-action
</antispoof-filter-action>
<antispoof-filter-parent>
  antispoof-filter-parent
</antispoof-filter-parent>
<antispoof-filter-owner>
  antispoof-filter-owner
</antispoof-filter-owner>
<authentication-num-servers>
  authentication-num-servers
</authentication-num-servers>
<client-stale-count>
  client-stale-count
</client-stale-count>
<auth-client-limit>
  auth-client-limit
</auth-client-limit>
<auth-relay-server-group>
  auth-relay-server-group
</auth-relay-server-group>
</dhcp-binding>
</dhcp-server-binding-information>

```

**Description** Information about the address assigned to a Dynamic Host Configuration Protocol client

### <dhcp-server-binding-information>

#### Usage

```

<dhcp-server-binding-information>
  <binding-summary>.....</binding-summary>
  <dhcp-binding>.....</dhcp-binding>
</dhcp-server-binding-information>

```

**Description** Information about the address assigned to each of one or more Dynamic Host Configuration Protocol clients

## &lt;dhcp-server-statistics-information&gt;

## Usage

```
<dhcp-server-statistics-information>
  <dropped-packet-total>
    dropped-packet-total
  </dropped-packet-total>
  <dropped-packet-bad-hardware>
    dropped-packet-bad-hardware
  </dropped-packet-bad-hardware>
  <dropped-packet-bootp-packet>
    dropped-packet-bootp-packet
  </dropped-packet-bootp-packet>
  <dropped-packet-bad-bootp-opcode>
    dropped-packet-bad-bootp-opcode
  </dropped-packet-bad-bootp-opcode>
  <dropped-packet-bad-options>
    dropped-packet-bad-options
  </dropped-packet-bad-options>
  <dropped-packet-invalid-server-address>
    dropped-packet-invalid-server-address
  </dropped-packet-invalid-server-address>
  <dropped-packet-no-addresses>
    dropped-packet-no-addresses
  </dropped-packet-no-addresses>
  <dropped-packet-no-interface-cfg>
    dropped-packet-no-interface-cfg
  </dropped-packet-no-interface-cfg>
  <dropped-packet-no-local-address>
    dropped-packet-no-local-address
  </dropped-packet-no-local-address>
  <dropped-packet-too-short>
    dropped-packet-too-short
  </dropped-packet-too-short>
  <dropped-packet-send-error>
    dropped-packet-send-error
  </dropped-packet-send-error>
  <dropped-packet-option-60>
    dropped-packet-option-60
  </dropped-packet-option-60>
  <dropped-packet-option-82>
    dropped-packet-option-82
  </dropped-packet-option-82>
  <dropped-packet-authentication>
    dropped-packet-authentication
  </dropped-packet-authentication>
  <dropped-packet-dynamic-profile>
    dropped-packet-dynamic-profile
  </dropped-packet-dynamic-profile>
  <dropped-packet-license>
    dropped-packet-license
  </dropped-packet-license>
  <dropped-packet-bad-dhcp-opcode>
    dropped-packet-bad-dhcp-opcode
  </dropped-packet-bad-dhcp-opcode>
```

```

<dropped-packet-no-options>
  dropped-packet-no-options
</dropped-packet-no-options>
<dropped-packet-hop-limit>
  dropped-packet-hop-limit
</dropped-packet-hop-limit>
<dropped-packet-ttl-expired>
  dropped-packet-ttl-expired
</dropped-packet-ttl-expired>
<dropped-packet-bad-udp-checksum>
  dropped-packet-bad-udp-checksum
</dropped-packet-bad-udp-checksum>
<dropped-packet-dhcp-service-total>
  dropped-packet-dhcp-service-total
</dropped-packet-dhcp-service-total>
<message-table>....</message-table>
<forwarded-packets-total>
  forwarded-packets-total
</forwarded-packets-total>
<forwarded-bootrequest-packets>
  forwarded-bootrequest-packets
</forwarded-bootrequest-packets>
<forwarded-bootreply-packets>
  forwarded-bootreply-packets
</forwarded-bootreply-packets>
</dhcp-server-statistics-information>

```

**Description** Statistics from the Dynamic Host Configuration Protocol Server

## <dhcpv6-binding>

### Usage

```

<dhcpv6-server-binding-information>
  <dhcpv6-binding>
    <allocated-address>
      allocated-address
    </allocated-address>
    <client-duid>
      client-duid
    </client-duid>
    <client-id-len>
      client-id-len
    </client-id-len>
    <client-id>
      client-id
    </client-id>
    <alt-client-id-len>
      alt-client-id-len
    </alt-client-id-len>
    <alt-client-id>
      alt-client-id
    </alt-client-id>
    <lease-expires>
      lease-expires

```

```
</lease-expires>
<lease-start-time>
  lease-start-time
</lease-start-time>
<lease-end-time>
  lease-end-time
</lease-end-time>
<lease-state>
  lease-state
</lease-state>
<interface-name>
  interface-name
</interface-name>
<vlan-id>
  vlan-id
</vlan-id>
<svlan-id>
  svlan-id
</svlan-id>
<demux-interface-name>
  demux-interface-name
</demux-interface-name>
<server-ip-address>
  server-ip-address
</server-ip-address>
<session-id>
  session-id
</session-id>
<pool-name>
  pool-name
</pool-name>
<profile-name>
  profile-name
</profile-name>
<dhcpv6-server-id>
  dhcpv6-server-id
</dhcpv6-server-id>
<dhcp-lease-binding-type>
  dhcp-lease-binding-type
</dhcp-lease-binding-type>
<logical-system-routing-instance>
  logical-system-routing-instance
</logical-system-routing-instance>
<bridge-domain>
  bridge-domain
</bridge-domain>
<client-info>
  client-info
</client-info>
<retail-logical-system-routing-instance>
  retail-logical-system-routing-instance
</retail-logical-system-routing-instance>
<retail-bridge-domain>
  retail-bridge-domain
</retail-bridge-domain>
<wholesale-logical-system-routing-instance>
```

```

        wholesale-logical-system-routing-instance
    </wholesale-logical-system-routing-instance>
    <wholesale-bridge-domain>
        wholesale-bridge-domain
    </wholesale-bridge-domain>
    <authentication-num-servers>
        authentication-num-servers
    </authentication-num-servers>
    <client-stale-count>
        client-stale-count
    </client-stale-count>
    <auth-client-limit>
        auth-client-limit
    </auth-client-limit>
    <auth-relay-server-group>
        auth-relay-server-group
    </auth-relay-server-group>
</dhcpv6-binding>
</dhcpv6-server-binding-information>

```

**Description** Information about the address assigned to an IPv6 Dynamic Host Configuration Protocol client

### <dhcpv6-binding-summary>

#### Usage

```

<dhcpv6-server-binding-information>
  <dhcpv6-binding-summary>
    <dhcpv6-binding-count>
        dhcpv6-binding-count
    </dhcpv6-binding-count>
    <dhcpv6-init-count>
        dhcpv6-init-count
    </dhcpv6-init-count>
    <dhcpv6-bound-count>
        dhcpv6-bound-count
    </dhcpv6-bound-count>
    <dhcpv6-selecting-count>
        dhcpv6-selecting-count
    </dhcpv6-selecting-count>
    <dhcpv6-requesting-count>
        dhcpv6-requesting-count
    </dhcpv6-requesting-count>
    <dhcpv6-renewing-count>
        dhcpv6-renewing-count
    </dhcpv6-renewing-count>
    <dhcpv6-releasing-count>
        dhcpv6-releasing-count
    </dhcpv6-releasing-count>
    <dhcpv6-restore-count>
        dhcpv6-restore-count
    </dhcpv6-restore-count>
  </dhcpv6-binding-summary>

```

```
</dhcpv6-server-binding-information>
```

**Description****<dhcpv6-message>****Usage**

```
<dhcpv6-server-statistics-information>
  <dhcpv6-message-table>
    <dhcpv6-message>
      <dhcpv6-message-name>
        dhcpv6-message-name
      </dhcpv6-message-name>
      <dhcpv6-message-count>
        dhcpv6-message-count
      </dhcpv6-message-count>
    </dhcpv6-message>
  </dhcpv6-message-table>
</dhcpv6-server-statistics-information>
```

**Description** Information about a DHCPv6 message

**<dhcpv6-message-table>****Usage**

```
<dhcpv6-server-statistics-information>
  <dhcpv6-message-table>
    <dhcpv6-message-direction>
      dhcpv6-message-direction
    </dhcpv6-message-direction>
    <dhcpv6-message>....</dhcpv6-message>
  </dhcpv6-message-table>
</dhcpv6-server-statistics-information>
```

**Description** Information about one or more DHCPv6 messages sent or received by the DHCPv6 server

**<dhcpv6-server-binding-information>****Usage**

```
<dhcpv6-server-binding-information>
  <dhcpv6-binding-summary>....</dhcpv6-binding-summary>
  <dhcpv6-binding>....</dhcpv6-binding>
</dhcpv6-server-binding-information>
```

**Description** Information about the address assigned to each of one or more DHCPv6 clients

**<dhcpv6-server-statistics-information>****Usage**

```
<dhcpv6-server-statistics-information>
```

```

<v6-dropped-packet-total>
  v6-dropped-packet-total
</v6-dropped-packet-total>
<v6-dropped-packet-no-safd>
  v6-dropped-packet-no-safd
</v6-dropped-packet-no-safd>
<v6-dropped-packet-bad-send>
  v6-dropped-packet-bad-send
</v6-dropped-packet-bad-send>
<v6-dropped-packet-short-packet>
  v6-dropped-packet-short-packet
</v6-dropped-packet-short-packet>
<v6-dropped-packet-bad-msgtype>
  v6-dropped-packet-bad-msgtype
</v6-dropped-packet-bad-msgtype>
<v6-dropped-packet-bad-options>
  v6-dropped-packet-bad-options
</v6-dropped-packet-bad-options>
<v6-dropped-packet-bad-srcaddress>
  v6-dropped-packet-bad-srcaddress
</v6-dropped-packet-bad-srcaddress>
<v6-dropped-packet-relay-hop-count>
  v6-dropped-packet-relay-hop-count
</v6-dropped-packet-relay-hop-count>
<v6-dropped-packet-no-client-id>
  v6-dropped-packet-no-client-id
</v6-dropped-packet-no-client-id>
<v6-dropped-packet-strict-reconfigure>
  v6-dropped-packet-strict-reconfigure
</v6-dropped-packet-strict-reconfigure>
<v6-dropped-packet-authentication>
  v6-dropped-packet-authentication
</v6-dropped-packet-authentication>
<v6-dropped-packet-dynamic-profile>
  v6-dropped-packet-dynamic-profile
</v6-dropped-packet-dynamic-profile>
<v6-dropped-packet-license>
  v6-dropped-packet-license
</v6-dropped-packet-license>
<v6-dropped-packet-dhcpv6-service-total>
  v6-dropped-packet-dhcpv6-service-total
</v6-dropped-packet-dhcpv6-service-total>
<dhcpv6-message-table>....</dhcpv6-message-table>
</dhcpv6-server-statistics-information>

```

**Description** Statistics from the IPv6 Dynamic Host Configuration Protocol Server

## <message>

### Usage

```

<dhcp-server-statistics-information>
  <message-table>
    <message>
      <message-name>

```

```
        message-name
      </message-name>
    <message-count>
      message-count
    </message-count>
  </message>
</message-table>
</dhcp-server-statistics-information>
```

**Description** Information about a DHCP or BOOTP message

### <message-table>

#### Usage

```
<dhcp-server-statistics-information>
  <message-table>
    <message-direction>
      message-direction
    </message-direction>
    <message>....</message>
  </message-table>
</dhcp-server-statistics-information>
```

**Description** Information about one or more DHCP or bootstrap protocol (BOOTP) messages sent or received by the DHCP server

---

## Summary of DHCP Service Statistics Response Tags

### <dhcp-service-statistics-information>

#### Usage

```
<dhcp-service-statistics-information>
  <dropped-packet-dhcp-service-total>
    dropped-packet-dhcp-service-total
  </dropped-packet-dhcp-service-total>
  <dropped-packet-read-error>
    dropped-packet-read-error
  </dropped-packet-read-error>
  <dropped-packet-bad-ip-header>
    dropped-packet-bad-ip-header
  </dropped-packet-bad-ip-header>
  <dropped-packet-short-packet>
    dropped-packet-short-packet
  </dropped-packet-short-packet>
  <dropped-packet-no-interface>
    dropped-packet-no-interface
  </dropped-packet-no-interface>
  <dropped-packet-no-routing-instance>
    dropped-packet-no-routing-instance
  </dropped-packet-no-routing-instance>
  <dropped-packet-no-mem>
    dropped-packet-no-mem
```



```

</dropped-packet-no-mem>
</dhcp-service-statistics-information>

```

**Description** Dynamic Host Configuration Protocol Service Statistics

### <dhcp-service-statistics-interface-information>

#### Usage

```

<dhcp-service-statistics-interface-information>
  <dropped-packet-total>
    dropped-packet-total
  </dropped-packet-total>
  <dropped-packet-bad-hardware>
    dropped-packet-bad-hardware
  </dropped-packet-bad-hardware>
  <dropped-packet-bootp-packet>
    dropped-packet-bootp-packet
  </dropped-packet-bootp-packet>
  <dropped-packet-bad-bootp-opcode>
    dropped-packet-bad-bootp-opcode
  </dropped-packet-bad-bootp-opcode>
  <dropped-packet-bad-options>
    dropped-packet-bad-options
  </dropped-packet-bad-options>
  <dropped-packet-invalid-server-address>
    dropped-packet-invalid-server-address
  </dropped-packet-invalid-server-address>
  <dropped-packet-no-addresses>
    dropped-packet-no-addresses
  </dropped-packet-no-addresses>
  <dropped-packet-no-interface-cfg>
    dropped-packet-no-interface-cfg
  </dropped-packet-no-interface-cfg>
  <dropped-packet-no-local-address>
    dropped-packet-no-local-address
  </dropped-packet-no-local-address>
  <dropped-packet-too-short>
    dropped-packet-too-short
  </dropped-packet-too-short>
  <dropped-packet-send-error>
    dropped-packet-send-error
  </dropped-packet-send-error>
  <dropped-packet-option-60>
    dropped-packet-option-60
  </dropped-packet-option-60>
  <dropped-packet-option-82>
    dropped-packet-option-82
  </dropped-packet-option-82>
  <dropped-packet-authentication>
    dropped-packet-authentication
  </dropped-packet-authentication>
  <dropped-packet-dynamic-profile>
    dropped-packet-dynamic-profile
  </dropped-packet-dynamic-profile>

```

```
<dropped-packet-license>
  dropped-packet-license
</dropped-packet-license>
<dropped-packet-bad-dhcp-opcode>
  dropped-packet-bad-dhcp-opcode
</dropped-packet-bad-dhcp-opcode>
<dropped-packet-no-options>
  dropped-packet-no-options
</dropped-packet-no-options>
<dropped-packet-hop-limit>
  dropped-packet-hop-limit
</dropped-packet-hop-limit>
<dropped-packet-ttl-expired>
  dropped-packet-ttl-expired
</dropped-packet-ttl-expired>
<dropped-packet-bad-udp-checksum>
  dropped-packet-bad-udp-checksum
</dropped-packet-bad-udp-checksum>
<message-table>....</message-table>
<forwarded-packets-total>
  forwarded-packets-total
</forwarded-packets-total>
<forwarded-bootrequest-packets>
  forwarded-bootrequest-packets
</forwarded-bootrequest-packets>
<forwarded-bootreply-packets>
  forwarded-bootreply-packets
</forwarded-bootreply-packets>
</dhcp-service-statistics-interface-information>
```

**Description** Dynamic Host Configuration Protocol Interface Statistics

## <dhcpv6-message>

### Usage

```
<dhcpv6-service-statistics-interface-information>
<dhcpv6-message-table>
  <dhcpv6-message>
    <dhcpv6-message-name>
      dhcpv6-message-name
    </dhcpv6-message-name>
    <dhcpv6-message-count>
      dhcpv6-message-count
    </dhcpv6-message-count>
  </dhcpv6-message>
</dhcpv6-message-table>
</dhcpv6-service-statistics-interface-information>
```

### Description

### <dhcpv6-message-table>

#### Usage

```

<dhcpv6-service-statistics-interface-information>
  <dhcpv6-message-table>
    <dhcpv6-message-direction>
      dhcpv6-message-direction
    </dhcpv6-message-direction>
    <dhcpv6-message>....</dhcpv6-message>
  </dhcpv6-message-table>
</dhcpv6-service-statistics-interface-information>

```

**Description** Packet counts for DHCPv6 messages sent or received by the interface

### <dhcpv6-service-statistics-information>

#### Usage

```

<dhcpv6-service-statistics-information>
  <v6-dropped-packet-dhcpv6-service-total>
    v6-dropped-packet-dhcpv6-service-total
  </v6-dropped-packet-dhcpv6-service-total>
  <v6-dropped-packet-read-error>
    v6-dropped-packet-read-error
  </v6-dropped-packet-read-error>
  <v6-dropped-packet-bad-ip-header>
    v6-dropped-packet-bad-ip-header
  </v6-dropped-packet-bad-ip-header>
  <v6-dropped-packet-short-packet>
    v6-dropped-packet-short-packet
  </v6-dropped-packet-short-packet>
  <v6-dropped-packet-no-interface>
    v6-dropped-packet-no-interface
  </v6-dropped-packet-no-interface>
  <v6-dropped-packet-no-safd>
    v6-dropped-packet-no-safd
  </v6-dropped-packet-no-safd>
  <v6-dropped-packet-no-routing-instance>
    v6-dropped-packet-no-routing-instance
  </v6-dropped-packet-no-routing-instance>
  <v6-dropped-packet-no-mem>
    v6-dropped-packet-no-mem
  </v6-dropped-packet-no-mem>
</dhcpv6-service-statistics-information>

```

**Description** Dynamic Host Configuration Protocol v6 Service Statistics

### <dhcpv6-service-statistics-interface-information>

#### Usage

```

<dhcpv6-service-statistics-interface-information>
  <v6-dropped-packet-total>
    v6-dropped-packet-total

```

```
</v6-dropped-packet-total>
<v6-dropped-packet-no-safd>
  v6-dropped-packet-no-safd
</v6-dropped-packet-no-safd>
<v6-dropped-packet-bad-send>
  v6-dropped-packet-bad-send
</v6-dropped-packet-bad-send>
<v6-dropped-packet-short-packet>
  v6-dropped-packet-short-packet
</v6-dropped-packet-short-packet>
<v6-dropped-packet-bad-msgtype>
  v6-dropped-packet-bad-msgtype
</v6-dropped-packet-bad-msgtype>
<v6-dropped-packet-bad-options>
  v6-dropped-packet-bad-options
</v6-dropped-packet-bad-options>
<v6-dropped-packet-bad-srcaddress>
  v6-dropped-packet-bad-srcaddress
</v6-dropped-packet-bad-srcaddress>
<v6-dropped-packet-relay-hop-count>
  v6-dropped-packet-relay-hop-count
</v6-dropped-packet-relay-hop-count>
<v6-dropped-packet-no-client-id>
  v6-dropped-packet-no-client-id
</v6-dropped-packet-no-client-id>
<v6-dropped-packet-strict-reconfigure>
  v6-dropped-packet-strict-reconfigure
</v6-dropped-packet-strict-reconfigure>
<v6-dropped-packet-authentication>
  v6-dropped-packet-authentication
</v6-dropped-packet-authentication>
<v6-dropped-packet-dynamic-profile>
  v6-dropped-packet-dynamic-profile
</v6-dropped-packet-dynamic-profile>
<v6-dropped-packet-license>
  v6-dropped-packet-license
</v6-dropped-packet-license>
<dhcpv6-message-table>....</dhcpv6-message-table>
</dhcpv6-service-statistics-interface-information>
```

**Description**    Dynamic Host Configuration Protocol v6 Interface Statistics

### <message>

#### Usage

```
<dhcp-service-statistics-interface-information>
<message-table>
  <message>
    <message-name>
      message-name
    </message-name>
    <message-count>
      message-count
    </message-count>
```

```

    </message>
  </message-table>
</dhcp-service-statistics-interface-information>

```

**Description****<message-table>****Usage**

```

<dhcp-service-statistics-interface-information>
  <message-table>
    <message-direction>
      message-direction
    </message-direction>
    <message>....</message>
  </message-table>
</dhcp-service-statistics-interface-information>

```

**Description** Packet counts for DHCP messages sent or received by the interface

## Summary of Dialer Response Tags

---

**<dial-string-list>****Usage**

```

<dial-string-list>
  <dial-string>
    dial-string
  </dial-string>
</dial-string-list>

```

**Description****<dial-string-list>****Usage**

```

<dialer-interface>
  <dial-string-list>
    <dial-string>
      dial-string
    </dial-string>
  </dial-string-list>
</dialer-interface>

```

**Description****<dial-string-list>****Usage**

```

<dialer-interface-information>
  <dialer-interface>

```

```
<dial-string-list>
  <dial-string>
    dial-string
  </dial-string>
</dial-string-list>
</dialer-interface>
</dialer-interface-information>
```

#### Description

### <dialer-defaults-information>

#### Usage

```
<dialer-defaults-information>
  <default-idle-timeout>
    default-idle-timeout
  </default-idle-timeout>
  <default-activation-delay>
    default-activation-delay
  </default-activation-delay>
  <default-deactivation-delay>
    default-deactivation-delay
  </default-deactivation-delay>
  <default-initial-route-check>
    default-initial-route-check
  </default-initial-route-check>
  <default-pool-priority>
    default-pool-priority
  </default-pool-priority>
  <default-load-threshold>
    default-load-threshold
  </default-load-threshold>
  <default-load-interval>
    default-load-interval
  </default-load-interval>
  <default-redial-delay>
    default-redial-delay
  </default-redial-delay>
  <default-callback-wait-period>
    default-callback-wait-period
  </default-callback-wait-period>
</dialer-defaults-information>
```

#### Description

### <dialer-info>

#### Usage

```
<dialer-info>
  <dialer-interface-name>
    dialer-interface-name
  </dialer-interface-name>
  <dialer-interface-state>
    dialer-interface-state
  </dialer-interface-state>
</dialer-info>
```

```

    </dialer-interface-state>
    <dialer-interface-flags>....</dialer-interface-flags>
  </dialer-info>

```

#### Description

#### <dialer-info>

#### Usage

```

<pool-member-list>
  <dialer-info>
    <dialer-interface-name>
      dialer-interface-name
    </dialer-interface-name>
    <dialer-interface-state>
      dialer-interface-state
    </dialer-interface-state>
    <dialer-interface-flags>....</dialer-interface-flags>
  </dialer-info>
</pool-member-list>

```

#### Description

#### <dialer-info>

#### Usage

```

<dialer-pool>
  <pool-member-list>
    <dialer-info>
      <dialer-interface-name>
        dialer-interface-name
      </dialer-interface-name>
      <dialer-interface-state>
        dialer-interface-state
      </dialer-interface-state>
      <dialer-interface-flags>....</dialer-interface-flags>
    </dialer-info>
  </pool-member-list>
</dialer-pool>

```

#### Description

#### <dialer-info>

#### Usage

```

<dialer-pool-information>
  <dialer-pool>
    <pool-member-list>
      <dialer-info>
        <dialer-interface-name>
          dialer-interface-name
        </dialer-interface-name>
        <dialer-interface-state>

```

```
        dialer-interface-state
      </dialer-interface-state>
      <dialer-interface-flags>....</dialer-interface-flags>
    </dialer-info>
  </pool-member-list>
</dialer-pool>
</dialer-pool-information>
```

## Description

### <dialer-interface>

#### Usage

```
<dialer-interface>
  <dialer-interface-name>
    dialer-interface-name
  </dialer-interface-name>
  <dialer-interface-state>
    dialer-interface-state
  </dialer-interface-state>
  <dialer-interface-flags>....</dialer-interface-flags>
  <pool-id>
    pool-id
  </pool-id>
  <primary-interface>
    primary-interface
  </primary-interface>
  <dial-string-list>....</dial-string-list>
  <sub-interface-list>....</sub-interface-list>
  <watch-list>....</watch-list>
  <activation-delay>
    activation-delay
  </activation-delay>
  <deactivation-delay>
    deactivation-delay
  </deactivation-delay>
  <activation-delay-elapsed>
    activation-delay-elapsed
  </activation-delay-elapsed>
  <deactivation-delay-elapsed>
    deactivation-delay-elapsed
  </deactivation-delay-elapsed>
  <call-idle-timeout>
    call-idle-timeout
  </call-idle-timeout>
  <initial-route-check>
    initial-route-check
  </initial-route-check>
  <redial-delay>
    redial-delay
  </redial-delay>
  <callback-wait-period>
    callback-wait-period
  </callback-wait-period>
  <callback-wait-period-elapsed>
```



```

        callback-wait-period-elapsed
      </callback-wait-period-elapsed>
    <load-threshold>
      load-threshold
    </load-threshold>
    <load-interval>
      load-interval
    </load-interval>
  </dialer-interface>

```

## Description

### <dialer-interface>

#### Usage

```

<dialer-interface-information>
  <dialer-interface>
    <dialer-interface-name>
      dialer-interface-name
    </dialer-interface-name>
    <dialer-interface-state>
      dialer-interface-state
    </dialer-interface-state>
    <dialer-interface-flags>....</dialer-interface-flags>
    <pool-id>
      pool-id
    </pool-id>
    <primary-interface>
      primary-interface
    </primary-interface>
    <dial-string-list>....</dial-string-list>
    <sub-interface-list>....</sub-interface-list>
    <watch-list>....</watch-list>
    <activation-delay>
      activation-delay
    </activation-delay>
    <deactivation-delay>
      deactivation-delay
    </deactivation-delay>
    <activation-delay-elapsed>
      activation-delay-elapsed
    </activation-delay-elapsed>
    <deactivation-delay-elapsed>
      deactivation-delay-elapsed
    </deactivation-delay-elapsed>
    <call-idle-timeout>
      call-idle-timeout
    </call-idle-timeout>
    <initial-route-check>
      initial-route-check
    </initial-route-check>
    <redial-delay>
      redial-delay
    </redial-delay>
    <callback-wait-period>

```

```
    callback-wait-period
  </callback-wait-period>
  <callback-wait-period-elapsed>
    callback-wait-period-elapsed
  </callback-wait-period-elapsed>
  <load-threshold>
    load-threshold
  </load-threshold>
  <load-interval>
    load-interval
  </load-interval>
</dialer-interface>
</dialer-interface-information>
```

#### Description

### <dialer-interface-flags>

#### Usage

```
<dialer-interface>
  <dialer-interface-flags>
    <backup>
      backup
    </backup>
    <multilink>
      multilink
    </multilink>
    <watchlist>
      watchlist
    </watchlist>
    <interesting-detected>
      interesting-detected
    </interesting-detected>
  </dialer-interface-flags>
</dialer-interface>
```

**Description**    Flags indicating interface configuration

### <dialer-interface-flags>

#### Usage

```
<dialer-interface-information>
  <dialer-interface>
    <dialer-interface-flags>
      <backup>
        backup
      </backup>
      <multilink>
        multilink
      </multilink>
      <watchlist>
        watchlist
      </watchlist>
```

```

    <interesting-detected>
      interesting-detected
    </interesting-detected>
  </dialer-interface-flags>
</dialer-interface>
</dialer-interface-information>

```

**Description** Flags indicating interface configuration

### <dialer-interface-flags>

#### Usage

```

<dialer-info>
  <dialer-interface-flags>
    <backup>
      backup
    </backup>
    <multilink>
      multilink
    </multilink>
    <watchlist>
      watchlist
    </watchlist>
    <interesting-detected>
      interesting-detected
    </interesting-detected>
  </dialer-interface-flags>
</dialer-info>

```

**Description** Flags indicating interface configuration

### <dialer-interface-flags>

#### Usage

```

<pool-member-list>
  <dialer-info>
    <dialer-interface-flags>
      <backup>
        backup
      </backup>
      <multilink>
        multilink
      </multilink>
      <watchlist>
        watchlist
      </watchlist>
      <interesting-detected>
        interesting-detected
      </interesting-detected>
    </dialer-interface-flags>
  </dialer-info>

```

</pool-member-list>

**Description**    Flags indicating interface configuration

### <dialer-interface-flags>

#### Usage

```
<dialer-pool>
  <pool-member-list>
    <dialer-info>
      <dialer-interface-flags>
        <backup>
          backup
        </backup>
        <multilink>
          multilink
        </multilink>
        <watchlist>
          watchlist
        </watchlist>
        <interesting-detected>
          interesting-detected
        </interesting-detected>
      </dialer-interface-flags>
    </dialer-info>
  </pool-member-list>
</dialer-pool>
```

**Description**    Flags indicating interface configuration

### <dialer-interface-flags>

#### Usage

```
<dialer-pool-information>
  <dialer-pool>
    <pool-member-list>
      <dialer-info>
        <dialer-interface-flags>
          <backup>
            backup
          </backup>
          <multilink>
            multilink
          </multilink>
          <watchlist>
            watchlist
          </watchlist>
          <interesting-detected>
            interesting-detected
          </interesting-detected>
        </dialer-interface-flags>
      </dialer-info>
```

```

    </pool-member-list>
  </dialer-pool>
</dialer-pool-information>

```

**Description** Flags indicating interface configuration

### <dialer-interface-information>

#### Usage

```

<dialer-interface-information>
  <dialer-interface>....</dialer-interface>
</dialer-interface-information>

```

#### Description

### <dialer-pool>

#### Usage

```

<dialer-pool>
  <pool-id>
    pool-id
  </pool-id>
  <pool-member-list>....</pool-member-list>
</dialer-pool>

```

#### Description

### <dialer-pool>

#### Usage

```

<dialer-pool-information>
  <dialer-pool>
    <pool-id>
      pool-id
    </pool-id>
    <pool-member-list>....</pool-member-list>
  </dialer-pool>
</dialer-pool-information>

```

#### Description

### <dialer-pool-information>

#### Usage

```

<dialer-pool-information>
  <dialer-pool>....</dialer-pool>
</dialer-pool-information>

```

#### Description

## <pool-member-list>

### Usage

```
<pool-member-list>
  <dialer-info>....</dialer-info>
  <sub-info>....</sub-info>
</pool-member-list>
```

### Description

## <pool-member-list>

### Usage

```
<dialer-pool>
  <pool-member-list>
    <dialer-info>....</dialer-info>
    <sub-info>....</sub-info>
  </pool-member-list>
</dialer-pool>
```

### Description

## <pool-member-list>

### Usage

```
<dialer-pool-information>
  <dialer-pool>
    <pool-member-list>
      <dialer-info>....</dialer-info>
      <sub-info>....</sub-info>
    </pool-member-list>
  </dialer-pool>
</dialer-pool-information>
```

### Description

## <sub-info>

### Usage

```
<sub-info>
  <sub-interface-name>
    sub-interface-name
  </sub-interface-name>
  <sub-interface-flags>
    sub-interface-flags
  </sub-interface-flags>
  <pool-priority>
    pool-priority
  </pool-priority>
</sub-info>
```

## Description

&lt;sub-info&gt;

## Usage

```

<pool-member-list>
  <sub-info>
    <sub-interface-name>
      sub-interface-name
    </sub-interface-name>
    <sub-interface-flags>
      sub-interface-flags
    </sub-interface-flags>
    <pool-priority>
      pool-priority
    </pool-priority>
  </sub-info>
</pool-member-list>

```

## Description

&lt;sub-info&gt;

## Usage

```

<dialer-pool>
  <pool-member-list>
    <sub-info>
      <sub-interface-name>
        sub-interface-name
      </sub-interface-name>
      <sub-interface-flags>
        sub-interface-flags
      </sub-interface-flags>
      <pool-priority>
        pool-priority
      </pool-priority>
    </sub-info>
  </pool-member-list>
</dialer-pool>

```

## Description

&lt;sub-info&gt;

## Usage

```

<dialer-pool-information>
  <dialer-pool>
    <pool-member-list>
      <sub-info>
        <sub-interface-name>
          sub-interface-name
        </sub-interface-name>
        <sub-interface-flags>
          sub-interface-flags

```

```
</sub-interface-flags>
<pool-priority>
  pool-priority
</pool-priority>
</sub-info>
</pool-member-list>
</dialer-pool>
</dialer-pool-information>
```

#### Description

### <sub-interface-list>

#### Usage

```
<sub-interface-list>
<sub-interface-name>
  sub-interface-name
</sub-interface-name>
</sub-interface-list>
```

#### Description

### <sub-interface-list>

#### Usage

```
<dialer-interface>
<sub-interface-list>
<sub-interface-name>
  sub-interface-name
</sub-interface-name>
</sub-interface-list>
</dialer-interface>
```

#### Description

### <sub-interface-list>

#### Usage

```
<dialer-interface-information>
<dialer-interface>
<sub-interface-list>
<sub-interface-name>
  sub-interface-name
</sub-interface-name>
</sub-interface-list>
</dialer-interface>
</dialer-interface-information>
```

#### Description



### <watch-list>

#### Usage

```
<watch-list>
  <watch-route>
    watch-route
  </watch-route>
</watch-list>
```

#### Description

### <watch-list>

#### Usage

```
<dialer-interface>
  <watch-list>
    <watch-route>
      watch-route
    </watch-route>
  </watch-list>
</dialer-interface>
```

#### Description

### <watch-list>

#### Usage

```
<dialer-interface-information>
  <dialer-interface>
    <watch-list>
      <watch-route>
        watch-route
      </watch-route>
    </watch-list>
  </dialer-interface>
</dialer-interface-information>
```

#### Description

---

## Summary of Dynamic Configuration Response Tags

---

### <client-session-info>

#### Usage

```
<dynamic-configuration-information>
  <client-session-info>
    <accounting-session-id>
      accounting-session-id
    </accounting-session-id>
    <client-session-type>
      client-session-type
    </client-session-type>
  </client-session-info>
</dynamic-configuration-information>
```

```
<jsrc-session-id>
  jsrc-session-id
</jsrc-session-id>
<address-pool>
  address-pool
</address-pool>
<interface>
  interface
</interface>
<ip-address>
  ip-address
</ip-address>
<ip-address-mask>
  ip-address-mask
</ip-address-mask>
<ipv6-address>
  ipv6-address
</ipv6-address>
<ipv6-prefix>
  ipv6-prefix
</ipv6-prefix>
<ipv6-network-prefix-len>
  ipv6-network-prefix-len
</ipv6-network-prefix-len>
<ipv6-interface-address>
  ipv6-interface-address
</ipv6-interface-address>
<logical-system>
  logical-system
</logical-system>
<profile>
  profile
</profile>
<mac-address>
  mac-address
</mac-address>
<nas-port-type>
  nas-port-type
</nas-port-type>
<routing-instance>
  routing-instance
</routing-instance>
<access-profile-name>
  access-profile-name
</access-profile-name>
<session-id>
  session-id
</session-id>
<state>
  state
</state>
<user-name>
  user-name
</user-name>
<login-time>
  login-time
```

```
</login-time>
<l2tp-local-ip-address>
  l2tp-local-ip-address
</l2tp-local-ip-address>
<l2tp-local-session-id>
  l2tp-local-session-id
</l2tp-local-session-id>
<l2tp-local-tunnel-id>
  l2tp-local-tunnel-id
</l2tp-local-tunnel-id>
<l2tp-remote-ip-address>
  l2tp-remote-ip-address
</l2tp-remote-ip-address>
<l2tp-remote-session-id>
  l2tp-remote-session-id
</l2tp-remote-session-id>
<l2tp-remote-tunnel-id>
  l2tp-remote-tunnel-id
</l2tp-remote-tunnel-id>
<l2tp-tunnel-group-id>
  l2tp-tunnel-group-id
</l2tp-tunnel-group-id>
<l2tp-ppp-profile-name>
  l2tp-ppp-profile-name
</l2tp-ppp-profile-name>
<dhcp-option>
  dhcp-option
</dhcp-option>
<dynamic-configuration-info>....</dynamic-configuration-info>
<session-ids>....</session-ids>
<dhcp-gi-address>
  dhcp-gi-address
</dhcp-gi-address>
<ifl-type>
  ifl-type
</ifl-type>
<service-bundle>
  service-bundle
</service-bundle>
<nas-ipv6-address>
  nas-ipv6-address
</nas-ipv6-address>
<login-ipv6-host>
  login-ipv6-host
</login-ipv6-host>
<delegated-ipv6-prefix>
  delegated-ipv6-prefix
</delegated-ipv6-prefix>
<framed-interface-id>
  framed-interface-id
</framed-interface-id>
<framed-ipv4-pool>
  framed-ipv4-pool
</framed-ipv4-pool>
<framed-ipv6-pool>
  framed-ipv6-pool
```

```
</framed-ipv6-pool>
<delegated-ipv6-pool>
  delegated-ipv6-pool
</delegated-ipv6-pool>
<aggregate-type>
  aggregate-type
</aggregate-type>
<logical-interface>
  logical-interface
</logical-interface>
<accounting-type>
  accounting-type
</accounting-type>
<accounting-interval>
  accounting-interval
</accounting-interval>
<config-bits>
  config-bits
</config-bits>
<vlan-tag>
  vlan-tag
</vlan-tag>
<svlan-tag>
  svlan-tag
</svlan-tag>
<service-type>
  service-type
</service-type>
<framed-protocol>
  framed-protocol
</framed-protocol>
<calling-station-id>
  calling-station-id
</calling-station-id>
<primary-ipv6-dns-address>
  primary-ipv6-dns-address
</primary-ipv6-dns-address>
<secondary-ipv6-dns-address>
  secondary-ipv6-dns-address
</secondary-ipv6-dns-address>
<agent-circuit-id>
  agent-circuit-id
</agent-circuit-id>
<agent-remote-id>
  agent-remote-id
</agent-remote-id>
</client-session-info>
</dynamic-configuration-information>
```

**Description** Client session information

**<connection>****Usage**

```

<shm-ipc-statistics>
  <user>
    <connection>
      <peer-name>
        peer-name
      </peer-name>
      <connection-status>
        connection-status
      </connection-status>
      <socket>....</socket>
      <queue>....</queue>
    </connection>
  </user>
</shm-ipc-statistics>

```

**Description****<consumer-message-counters>****Usage**

```

<shm-ipc-statistics>
  <user>
    <consumer-message-counters>
      <msg-received>
        msg-received
      </msg-received>
      <ack-sent>
        ack-sent
      </ack-sent>
      <nak-sent>
        nak-sent
      </nak-sent>
    </consumer-message-counters>
  </user>
</shm-ipc-statistics>

```

**Description****<dynamic-configuration-attribute>****Usage**

```

<dynamic-configuration-info>
  <dynamic-configuration-attribute>
    <attribute-name>
      attribute-name
    </attribute-name>
    <attribute-value>
      attribute-value
    </attribute-value>
  </dynamic-configuration-attribute>

```

```
</dynamic-configuration-info>
```

**Description** Dynamic configuration attribute

### <dynamic-configuration-attribute>

#### Usage

```
<dynamic-configuration-information>
  <client-session-info>
    <dynamic-configuration-info>
      <dynamic-configuration-attribute>
        <attribute-name>
          attribute-name
        </attribute-name>
        <attribute-value>
          attribute-value
        </attribute-value>
      </dynamic-configuration-attribute>
    </dynamic-configuration-info>
  </client-session-info>
</dynamic-configuration-information>
```

**Description** Dynamic configuration attribute

### <dynamic-configuration-attribute>

#### Usage

```
<dynamic-configuration-information>
  <service-session-info>
    <dynamic-configuration-info>
      <dynamic-configuration-attribute>
        <attribute-name>
          attribute-name
        </attribute-name>
        <attribute-value>
          attribute-value
        </attribute-value>
      </dynamic-configuration-attribute>
    </dynamic-configuration-info>
  </service-session-info>
</dynamic-configuration-information>
```

**Description** Dynamic configuration attribute

### <dynamic-configuration-info>

#### Usage

```
<dynamic-configuration-info>
  <dynamic-configuration-attribute>....</dynamic-configuration-attribute>
</dynamic-configuration-info>
```

**Description** Dynamic configuration

### <dynamic-configuration-info>

**Usage**

```
<dynamic-configuration-information>
  <client-session-info>
    <dynamic-configuration-info>
      <dynamic-configuration-attribute>....</dynamic-configuration-attribute>
    </dynamic-configuration-info>
  </client-session-info>
</dynamic-configuration-information>
```

**Description** Dynamic configuration

### <dynamic-configuration-info>

**Usage**

```
<dynamic-configuration-information>
  <service-session-info>
    <dynamic-configuration-info>
      <dynamic-configuration-attribute>....</dynamic-configuration-attribute>
    </dynamic-configuration-info>
  </service-session-info>
</dynamic-configuration-information>
```

**Description** Dynamic configuration

### <dynamic-configuration-information>

**Usage**

```
<dynamic-configuration-information>
  <session-ids>....</session-ids>
  <client-session-info>....</client-session-info>
  <service-session-info>....</service-session-info>
  <results>....</results>
  <profile-results>....</profile-results>
</dynamic-configuration-information>
```

**Description** Dynamic configuration command information

### <performance-counters>

**Usage**

```
<shm-ipc-statistics>
  <user>
    <performance-counters>
      <socket-received>
        socket-received
      </socket-received>
```

```
<socket-sent>
  socket-sent
</socket-sent>
<socket-errors>
  socket-errors
</socket-errors>
<ipc-received>
  ipc-received
</ipc-received>
<ipc-sent>
  ipc-sent
</ipc-sent>
<ipc-errors>
  ipc-errors
</ipc-errors>
</performance-counters>
</user>
</shm-ipc-statistics>
```

#### Description

### <producer-message-counters>

#### Usage

```
<shm-ipc-statistics>
<user>
  <producer-message-counters>
    <msg-sent>
      msg-sent
    </msg-sent>
    <ack-received>
      ack-received
    </ack-received>
    <nak-received>
      nak-received
    </nak-received>
    <backpressure>
      backpressure
    </backpressure>
  </producer-message-counters>
</user>
</shm-ipc-statistics>
```

#### Description

### <profile-results>

#### Usage

```
<profile-results>
  <profile-name>
    profile-name
  </profile-name>
  <profile-action>
    profile-action
```



```

</profile-action>
<session-id>
  session-id
</session-id>
<session-type>
  session-type
</session-type>
<request-result>
  request-result
</request-result>
<failure-reason>
  failure-reason
</failure-reason>
<config-bits>
  config-bits
</config-bits>
</profile-results>

```

#### Description

<profile-results>

#### Usage

```

<dynamic-configuration-information>
  <profile-results>
    <profile-name>
      profile-name
    </profile-name>
    <profile-action>
      profile-action
    </profile-action>
    <session-id>
      session-id
    </session-id>
    <session-type>
      session-type
    </session-type>
    <request-result>
      request-result
    </request-result>
    <failure-reason>
      failure-reason
    </failure-reason>
    <config-bits>
      config-bits
    </config-bits>
  </profile-results>
</dynamic-configuration-information>

```

#### Description

## <queue>

### Usage

```
<shm-ipc-statistics>
  <user>
    <connection>
      <queue>
        <msg-complete>
          msg-complete
        </msg-complete>
        <msg-posted>
          msg-posted
        </msg-posted>
        <msg-pending>
          msg-pending
        </msg-pending>
        <max-msg-pending>
          max-msg-pending
        </max-msg-pending>
        <msg-held>
          msg-held
        </msg-held>
      </queue>
    </connection>
  </user>
</shm-ipc-statistics>
```

### Description

## <results>

### Usage

```
<results>
  <action>
    action
  </action>
  <session-type>
    session-type
  </session-type>
  <session-id>
    session-id
  </session-id>
  <success>
    success
  </success>
  <failure>
    failure
  </failure>
</results>
```

**Description**    Result for dynamic configuration operation command

**<results>****Usage**

```

<dynamic-configuration-information>
  <results>
    <action>
      action
    </action>
    <session-type>
      session-type
    </session-type>
    <session-id>
      session-id
    </session-id>
    <success>
      success
    </success>
    <failure>
      failure
    </failure>
  </results>
</dynamic-configuration-information>

```

**Description** Result for dynamic configuration operation command

**<service-session-info>****Usage**

```

<dynamic-configuration-information>
  <service-session-info>
    <session-id>
      session-id
    </session-id>
    <start-time>
      start-time
    </start-time>
    <service-name>
      service-name
    </service-name>
    <accounting-session-id>
      accounting-session-id
    </accounting-session-id>
    <accounting-type>
      accounting-type
    </accounting-type>
    <accounting-interval>
      accounting-interval
    </accounting-interval>
    <accounting-volume-quota>
      accounting-volume-quota
    </accounting-volume-quota>
    <accounting-time-quota>
      accounting-time-quota

```

```
</accounting-time-quota>
<state>
  state
</state>
<dynamic-configuration-info>....</dynamic-configuration-info>
<config-bits>
  config-bits
</config-bits>
<service-activation-time>
  service-activation-time
</service-activation-time>
</service-session-info>
</dynamic-configuration-information>
```

**Description** Service session information

### <session-ids>

**Usage**

```
<dynamic-configuration-information>
<session-ids>
  <session-id>
    session-id
  </session-id>
</session-ids>
</dynamic-configuration-information>
```

**Description** Session IDs

### <session-ids>

**Usage**

```
<dynamic-configuration-information>
<client-session-info>
  <session-ids>
    <session-id>
      session-id
    </session-id>
  </session-ids>
</client-session-info>
</dynamic-configuration-information>
```

**Description** Session IDs

### <shm-ipc-statistics>

**Usage**

```
<shm-ipc-statistics>
<user>....</user>
<failure-reason>
  failure-reason
```

```

</failure-reason>
</shm-ipc-statistics>

```

#### Description

<socket>

#### Usage

```

<shm-ipc-statistics>
  <user>
    <connection>
      <socket>
        <consumer-received>
          consumer-received
        </consumer-received>
        <consumer-sent>
          consumer-sent
        </consumer-sent>
        <producer-received>
          producer-received
        </producer-received>
        <producer-sent>
          producer-sent
        </producer-sent>
      </socket>
    </connection>
  </user>
</shm-ipc-statistics>

```

#### Description

<tracelog-data>

#### Usage

```

<tracelog-data>
  <tracelog-entry>....</tracelog-entry>
</tracelog-data>

```

#### Description

<tracelog-data-performance>

#### Usage

```

<tracelog-data-performance>
  <tracelog-entry-performance>....</tracelog-entry-performance>
</tracelog-data-performance>

```

#### Description

## <tracelog-entry>

### Usage

```
<tracelog-data>
  <tracelog-entry>
    <log-prefix>
      log-prefix
    </log-prefix>
    <index>
      index
    </index>
    <process-id>
      process-id
    </process-id>
    <thread-id>
      thread-id
    </thread-id>
    <entry-delta-seconds>
      entry-delta-seconds
    </entry-delta-seconds>
    <entry-delta-microseconds>
      entry-delta-microseconds
    </entry-delta-microseconds>
    <running-time-seconds>
      running-time-seconds
    </running-time-seconds>
    <running-time-microseconds>
      running-time-microseconds
    </running-time-microseconds>
    <system-time-seconds>
      system-time-seconds
    </system-time-seconds>
    <system-time-microseconds>
      system-time-microseconds
    </system-time-microseconds>
    <logged-data>
      logged-data
    </logged-data>
  </tracelog-entry>
</tracelog-data>
```

### Description

## <tracelog-entry-performance>

### Usage

```
<tracelog-data-performance>
  <tracelog-entry-performance>
    <log-prefix-perf>
      log-prefix-perf
    </log-prefix-perf>
    <index-perf>
      index-perf
    </index-perf>
```

```

<process-id-perf>
  process-id-perf
</process-id-perf>
<thread-id-perf>
  thread-id-perf
</thread-id-perf>
<entry-delta-seconds-perf>
  entry-delta-seconds-perf
</entry-delta-seconds-perf>
<entry-delta-microseconds-perf>
  entry-delta-microseconds-perf
</entry-delta-microseconds-perf>
<running-time-seconds-perf>
  running-time-seconds-perf
</running-time-seconds-perf>
<running-time-microseconds-perf>
  running-time-microseconds-perf
</running-time-microseconds-perf>
<user-cpu-seconds-perf>
  user-cpu-seconds-perf
</user-cpu-seconds-perf>
<user-cpu-microseconds-perf>
  user-cpu-microseconds-perf
</user-cpu-microseconds-perf>
<system-cpu-seconds-perf>
  system-cpu-seconds-perf
</system-cpu-seconds-perf>
<system-cpu-microseconds-perf>
  system-cpu-microseconds-perf
</system-cpu-microseconds-perf>
<system-time-seconds-perf>
  system-time-seconds-perf
</system-time-seconds-perf>
<system-time-microseconds-perf>
  system-time-microseconds-perf
</system-time-microseconds-perf>
<vol-ctxsw-perf>
  vol-ctxsw-perf
</vol-ctxsw-perf>
<ivol-ctxsw-perf>
  ivol-ctxsw-perf
</ivol-ctxsw-perf>
<logged-data-perf>
  logged-data-perf
</logged-data-perf>
</tracelog-entry-performance>
</tracelog-data-performance>

```

#### Description

<tracelog-information>

#### Usage

```

<tracelog-information>
  <tracelog-status-info>....</tracelog-status-info>

```

</tracelog-information>

#### Description

<tracelog-status-info>

#### Usage

```
<tracelog-information>
  <tracelog-status-info>
    <log-name>
      log-name
    </log-name>
    <max-entries>
      max-entries
    </max-entries>
    <cur-index>
      cur-index
    </cur-index>
    <max-data>
      max-data
    </max-data>
    <wrap-cnt>
      wrap-cnt
    </wrap-cnt>
    <wrapable>
      wrapable
    </wrapable>
    <frozen>
      frozen
    </frozen>
    <collect-perf>
      collect-perf
    </collect-perf>
  </tracelog-status-info>
</tracelog-information>
```

#### Description

<user>

#### Usage

```
<shm-ipc-statistics>
  <user>
    <name>
      name
    </name>
    <role>
      role
    </role>
    <status>
      status
    </status>
  <performance-counters>....</performance-counters>
  <producer-message-counters>....</producer-message-counters>
```



```

    <consumer-message-counters>....</consumer-message-counters>
    <connection>....</connection>
  </user>
</shm-ipc-statistics>

```

#### Description

### Summary of Ethernet Delay Measurement Response Tags

#### <cfm-ethdm-error-snapshot>

##### Usage

```

<cfm-ethdm-error-snapshot>
  <cfm-ethdm-error-reason>
    cfm-ethdm-error-reason
  </cfm-ethdm-error-reason>
</cfm-ethdm-error-snapshot>

```

#### Description

#### <cfm-ethdm-error-snapshot>

##### Usage

```

<ethdm-results>
  <cfm-ethdm-error-snapshot>
    <cfm-ethdm-error-reason>
      cfm-ethdm-error-reason
    </cfm-ethdm-error-reason>
  </cfm-ethdm-error-snapshot>
</ethdm-results>

```

#### Description

#### <cfm-ethdm-request-snapshot>

##### Usage

```

<cfm-ethdm-request-snapshot>
  <cfm-ethdm-type>
    cfm-ethdm-type
  </cfm-ethdm-type>
  <cfm-interface-name>
    cfm-interface-name
  </cfm-interface-name>
  <cfm-level>
    cfm-level
  </cfm-level>
  <cfm-maintenance-domain-name>
    cfm-maintenance-domain-name
  </cfm-maintenance-domain-name>
  <cfm-maintenance-association-name>
    cfm-maintenance-association-name
  </cfm-maintenance-association-name>
  <cfm-local-mep-identifier>

```

```
    cfm-local-mep-identifier
  </cfm-local-mep-identifier>
  <cfm-destination-mac-address>
    cfm-destination-mac-address
  </cfm-destination-mac-address>
</cfm-ethdm-request-snapshot>
```

#### Description

### <cfm-ethdm-request-snapshot>

#### Usage

```
<ethdm-results>
  <cfm-ethdm-request-snapshot>
    <cfm-ethdm-type>
      cfm-ethdm-type
    </cfm-ethdm-type>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-level>
      cfm-level
    </cfm-level>
    <cfm-maintenance-domain-name>
      cfm-maintenance-domain-name
    </cfm-maintenance-domain-name>
    <cfm-maintenance-association-name>
      cfm-maintenance-association-name
    </cfm-maintenance-association-name>
    <cfm-local-mep-identifier>
      cfm-local-mep-identifier
    </cfm-local-mep-identifier>
    <cfm-destination-mac-address>
      cfm-destination-mac-address
    </cfm-destination-mac-address>
  </cfm-ethdm-request-snapshot>
</ethdm-results>
```

#### Description

### <cfm-oneway-ethdm-reply-summary>

#### Usage

```
<cfm-oneway-ethdm-reply-summary>
  <cfm-oneway-ethdm-requests-packets>
    cfm-oneway-ethdm-requests-packets
  </cfm-oneway-ethdm-requests-packets>
</cfm-oneway-ethdm-reply-summary>
```

#### Description

## <cfm-oneway-ethdm-reply-summary>

### Usage

```

<ethdm-results>
  <cfm-oneway-ethdm-reply-summary>
    <cfm-oneway-ethdm-requests-packets>
      cfm-oneway-ethdm-requests-packets
    </cfm-oneway-ethdm-requests-packets>
  </cfm-oneway-ethdm-reply-summary>
</ethdm-results>

```

### Description

## <cfm-twoway-ethdm-reply-entry>

### Usage

```

<cfm-twoway-ethdm-reply-entry>
  <cfm-destination-mac-address>
    cfm-destination-mac-address
  </cfm-destination-mac-address>
  <cfm-twoway-ethdm-invalid-timestamp-response>
    cfm-twoway-ethdm-invalid-timestamp-response
  </cfm-twoway-ethdm-invalid-timestamp-response>
  <cfm-twoway-ethdm-invalid-flags-response>
    cfm-twoway-ethdm-invalid-flags-response
  </cfm-twoway-ethdm-invalid-flags-response>
  <cfm-twoway-ethdm-invalid-tlvoffset-response>
    cfm-twoway-ethdm-invalid-tlvoffset-response
  </cfm-twoway-ethdm-invalid-tlvoffset-response>
  <cfm-twoway-ethdm-no-endlv-response>
    cfm-twoway-ethdm-no-endlv-response
  </cfm-twoway-ethdm-no-endlv-response>
  <cfm-twoway-ethdm-delay>
    cfm-twoway-ethdm-delay
  </cfm-twoway-ethdm-delay>
  <cfm-twoway-ethdm-delay-variation>
    cfm-twoway-ethdm-delay-variation
  </cfm-twoway-ethdm-delay-variation>
</cfm-twoway-ethdm-reply-entry>

```

### Description

## <cfm-twoway-ethdm-reply-entry>

### Usage

```

<ethdm-results>
  <cfm-twoway-ethdm-reply-entry>
    <cfm-destination-mac-address>
      cfm-destination-mac-address
    </cfm-destination-mac-address>
    <cfm-twoway-ethdm-invalid-timestamp-response>
      cfm-twoway-ethdm-invalid-timestamp-response
    </cfm-twoway-ethdm-invalid-timestamp-response>
  </cfm-twoway-ethdm-reply-entry>
</ethdm-results>

```

```
<cfm-twoway-ethdm-invalid-flags-response>
  cfm-twoway-ethdm-invalid-flags-response
</cfm-twoway-ethdm-invalid-flags-response>
<cfm-twoway-ethdm-invalid-tlvoffset-response>
  cfm-twoway-ethdm-invalid-tlvoffset-response
</cfm-twoway-ethdm-invalid-tlvoffset-response>
<cfm-twoway-ethdm-no-endtlv-response>
  cfm-twoway-ethdm-no-endtlv-response
</cfm-twoway-ethdm-no-endtlv-response>
<cfm-twoway-ethdm-delay>
  cfm-twoway-ethdm-delay
</cfm-twoway-ethdm-delay>
<cfm-twoway-ethdm-delay-variation>
  cfm-twoway-ethdm-delay-variation
</cfm-twoway-ethdm-delay-variation>
</cfm-twoway-ethdm-reply-entry>
</ethdm-results>
```

#### Description

### <cfm-twoway-ethdm-reply-summary>

#### Usage

```
<cfm-twoway-ethdm-reply-summary>
<cfm-twoway-ethdm-requests-packets>
  cfm-twoway-ethdm-requests-packets
</cfm-twoway-ethdm-requests-packets>
<cfm-twoway-ethdm-responses-packets>
  cfm-twoway-ethdm-responses-packets
</cfm-twoway-ethdm-responses-packets>
<cfm-twoway-ethdm-invalid-responses-packets>
  cfm-twoway-ethdm-invalid-responses-packets
</cfm-twoway-ethdm-invalid-responses-packets>
<cfm-twoway-ethdm-average-delay>
  cfm-twoway-ethdm-average-delay
</cfm-twoway-ethdm-average-delay>
<cfm-twoway-ethdm-average-delay-variation>
  cfm-twoway-ethdm-average-delay-variation
</cfm-twoway-ethdm-average-delay-variation>
<cfm-twoway-ethdm-bestcase-delay>
  cfm-twoway-ethdm-bestcase-delay
</cfm-twoway-ethdm-bestcase-delay>
<cfm-twoway-ethdm-worstcase-delay>
  cfm-twoway-ethdm-worstcase-delay
</cfm-twoway-ethdm-worstcase-delay>
</cfm-twoway-ethdm-reply-summary>
```

#### Description

### <cfm-twoway-ethdm-reply-summary>

#### Usage

```
<ethdm-results>
  <cfm-twoway-ethdm-reply-summary>
```

```

<cfm-twoway-ethdm-requests-packets>
  cfm-twoway-ethdm-requests-packets
</cfm-twoway-ethdm-requests-packets>
<cfm-twoway-ethdm-responses-packets>
  cfm-twoway-ethdm-responses-packets
</cfm-twoway-ethdm-responses-packets>
<cfm-twoway-ethdm-invalid-responses-packets>
  cfm-twoway-ethdm-invalid-responses-packets
</cfm-twoway-ethdm-invalid-responses-packets>
<cfm-twoway-ethdm-average-delay>
  cfm-twoway-ethdm-average-delay
</cfm-twoway-ethdm-average-delay>
<cfm-twoway-ethdm-average-delay-variation>
  cfm-twoway-ethdm-average-delay-variation
</cfm-twoway-ethdm-average-delay-variation>
<cfm-twoway-ethdm-bestcase-delay>
  cfm-twoway-ethdm-bestcase-delay
</cfm-twoway-ethdm-bestcase-delay>
<cfm-twoway-ethdm-worstcase-delay>
  cfm-twoway-ethdm-worstcase-delay
</cfm-twoway-ethdm-worstcase-delay>
</cfm-twoway-ethdm-reply-summary>
</ethdm-results>

```

#### Description

#### <ethdm-results>

#### Usage

```

<ethdm-results>
<cfm-ethdm-error-snapshot>....</cfm-ethdm-error-snapshot>
<cfm-ethdm-request-snapshot>....</cfm-ethdm-request-snapshot>
<cfm-twoway-ethdm-reply-entry>....</cfm-twoway-ethdm-reply-entry>
<cfm-oneway-ethdm-reply-summary>....</cfm-oneway-ethdm-reply-summary>

<cfm-twoway-ethdm-reply-summary>....</cfm-twoway-ethdm-reply-summary>

</ethdm-results>

```

#### Description

### Summary of Ethernet Link Management Response Tags

#### <cfm-ethlm-cir-reply-entry>

#### Usage

```

<cfm-ethlm-cir-reply-entry>
<cfm-destination-mac-address>
  cfm-destination-mac-address
</cfm-destination-mac-address>
<cfm-ethlm-cir-near-end-frame-loss>
  cfm-ethlm-cir-near-end-frame-loss
</cfm-ethlm-cir-near-end-frame-loss>
<cfm-ethlm-cir-far-end-frame-loss>

```

```
    cfm-ethlm-cir-far-end-frame-loss
  </cfm-ethlm-cir-far-end-frame-loss>
  <cfm-ethlm-cir-near-end-loss-ratio>
    cfm-ethlm-cir-near-end-loss-ratio
  </cfm-ethlm-cir-near-end-loss-ratio>
  <cfm-ethlm-cir-far-end-loss-ratio>
    cfm-ethlm-cir-far-end-loss-ratio
  </cfm-ethlm-cir-far-end-loss-ratio>
</cfm-ethlm-cir-reply-entry>
```

#### Description

### <cfm-ethlm-cir-reply-entry>

#### Usage

```
<ethlm-cir-eir-results>
  <cfm-ethlm-cir-reply-entry>
    <cfm-destination-mac-address>
      cfm-destination-mac-address
    </cfm-destination-mac-address>
    <cfm-ethlm-cir-near-end-frame-loss>
      cfm-ethlm-cir-near-end-frame-loss
    </cfm-ethlm-cir-near-end-frame-loss>
    <cfm-ethlm-cir-far-end-frame-loss>
      cfm-ethlm-cir-far-end-frame-loss
    </cfm-ethlm-cir-far-end-frame-loss>
    <cfm-ethlm-cir-near-end-loss-ratio>
      cfm-ethlm-cir-near-end-loss-ratio
    </cfm-ethlm-cir-near-end-loss-ratio>
    <cfm-ethlm-cir-far-end-loss-ratio>
      cfm-ethlm-cir-far-end-loss-ratio
    </cfm-ethlm-cir-far-end-loss-ratio>
  </cfm-ethlm-cir-reply-entry>
</ethlm-cir-eir-results>
```

#### Description

### <cfm-ethlm-cir-reply-summary>

#### Usage

```
<cfm-ethlm-cir-reply-summary>
  <cfm-ethlm-requests-packets>
    cfm-ethlm-requests-packets
  </cfm-ethlm-requests-packets>
  <cfm-ethlm-response-packets>
    cfm-ethlm-response-packets
  </cfm-ethlm-response-packets>
  <cfm-ethlm-cir-average-near-end-frame-loss>
    cfm-ethlm-cir-average-near-end-frame-loss
  </cfm-ethlm-cir-average-near-end-frame-loss>
  <cfm-ethlm-cir-average-near-end-loss-ratio>
    cfm-ethlm-cir-average-near-end-loss-ratio
  </cfm-ethlm-cir-average-near-end-loss-ratio>
  <cfm-ethlm-cir-average-far-end-frame-loss>
```

```

    cfm-ethlm-cir-average-far-end-frame-loss
  </cfm-ethlm-cir-average-far-end-frame-loss>
  <cfm-ethlm-cir-average-far-end-loss-ratio>
    cfm-ethlm-cir-average-far-end-loss-ratio
  </cfm-ethlm-cir-average-far-end-loss-ratio>
  <cfm-ethlm-cir-near-end-best-case-frame-loss>
    cfm-ethlm-cir-near-end-best-case-frame-loss
  </cfm-ethlm-cir-near-end-best-case-frame-loss>
  <cfm-ethlm-cir-near-end-best-case-loss-ratio>
    cfm-ethlm-cir-near-end-best-case-loss-ratio
  </cfm-ethlm-cir-near-end-best-case-loss-ratio>
  <cfm-ethlm-cir-near-end-worst-case-frame-loss>
    cfm-ethlm-cir-near-end-worst-case-frame-loss
  </cfm-ethlm-cir-near-end-worst-case-frame-loss>
  <cfm-ethlm-cir-near-end-worst-case-loss-ratio>
    cfm-ethlm-cir-near-end-worst-case-loss-ratio
  </cfm-ethlm-cir-near-end-worst-case-loss-ratio>
  <cfm-ethlm-cir-far-end-best-case-frame-loss>
    cfm-ethlm-cir-far-end-best-case-frame-loss
  </cfm-ethlm-cir-far-end-best-case-frame-loss>
  <cfm-ethlm-cir-far-end-best-case-loss-ratio>
    cfm-ethlm-cir-far-end-best-case-loss-ratio
  </cfm-ethlm-cir-far-end-best-case-loss-ratio>
  <cfm-ethlm-cir-far-end-worst-case-frame-loss>
    cfm-ethlm-cir-far-end-worst-case-frame-loss
  </cfm-ethlm-cir-far-end-worst-case-frame-loss>
  <cfm-ethlm-cir-far-end-worst-case-loss-ratio>
    cfm-ethlm-cir-far-end-worst-case-loss-ratio
  </cfm-ethlm-cir-far-end-worst-case-loss-ratio>
</cfm-ethlm-cir-reply-summary>

```

#### Description

#### <cfm-ethlm-cir-reply-summary>

#### Usage

```

<ethlm-cir-eir-results>
  <cfm-ethlm-cir-reply-summary>
    <cfm-ethlm-requests-packets>
      cfm-ethlm-requests-packets
    </cfm-ethlm-requests-packets>
    <cfm-ethlm-response-packets>
      cfm-ethlm-response-packets
    </cfm-ethlm-response-packets>
    <cfm-ethlm-cir-average-near-end-frame-loss>
      cfm-ethlm-cir-average-near-end-frame-loss
    </cfm-ethlm-cir-average-near-end-frame-loss>
    <cfm-ethlm-cir-average-near-end-loss-ratio>
      cfm-ethlm-cir-average-near-end-loss-ratio
    </cfm-ethlm-cir-average-near-end-loss-ratio>
    <cfm-ethlm-cir-average-far-end-frame-loss>
      cfm-ethlm-cir-average-far-end-frame-loss
    </cfm-ethlm-cir-average-far-end-frame-loss>
    <cfm-ethlm-cir-average-far-end-loss-ratio>
      cfm-ethlm-cir-average-far-end-loss-ratio

```

```

</cfm-ethlm-cir-average-far-end-loss-ratio>
<cfm-ethlm-cir-near-end-best-case-frame-loss>
  cfm-ethlm-cir-near-end-best-case-frame-loss
</cfm-ethlm-cir-near-end-best-case-frame-loss>
<cfm-ethlm-cir-near-end-best-case-loss-ratio>
  cfm-ethlm-cir-near-end-best-case-loss-ratio
</cfm-ethlm-cir-near-end-best-case-loss-ratio>
<cfm-ethlm-cir-near-end-worst-case-frame-loss>
  cfm-ethlm-cir-near-end-worst-case-frame-loss
</cfm-ethlm-cir-near-end-worst-case-frame-loss>
<cfm-ethlm-cir-near-end-worst-case-loss-ratio>
  cfm-ethlm-cir-near-end-worst-case-loss-ratio
</cfm-ethlm-cir-near-end-worst-case-loss-ratio>
<cfm-ethlm-cir-far-end-best-case-frame-loss>
  cfm-ethlm-cir-far-end-best-case-frame-loss
</cfm-ethlm-cir-far-end-best-case-frame-loss>
<cfm-ethlm-cir-far-end-best-case-loss-ratio>
  cfm-ethlm-cir-far-end-best-case-loss-ratio
</cfm-ethlm-cir-far-end-best-case-loss-ratio>
<cfm-ethlm-cir-far-end-worst-case-frame-loss>
  cfm-ethlm-cir-far-end-worst-case-frame-loss
</cfm-ethlm-cir-far-end-worst-case-frame-loss>
<cfm-ethlm-cir-far-end-worst-case-loss-ratio>
  cfm-ethlm-cir-far-end-worst-case-loss-ratio
</cfm-ethlm-cir-far-end-worst-case-loss-ratio>
</cfm-ethlm-cir-reply-summary>
</ethlm-cir-eir-results>

```

## Description

### <cfm-ethlm-eir-reply-entry>

#### Usage

```

<cfm-ethlm-eir-reply-entry>
  <cfm-destination-mac-address>
    cfm-destination-mac-address
  </cfm-destination-mac-address>
  <cfm-ethlm-eir-near-end-frame-loss>
    cfm-ethlm-eir-near-end-frame-loss
  </cfm-ethlm-eir-near-end-frame-loss>
  <cfm-ethlm-eir-far-end-frame-loss>
    cfm-ethlm-eir-far-end-frame-loss
  </cfm-ethlm-eir-far-end-frame-loss>
  <cfm-ethlm-eir-near-end-loss-ratio>
    cfm-ethlm-eir-near-end-loss-ratio
  </cfm-ethlm-eir-near-end-loss-ratio>
  <cfm-ethlm-eir-far-end-loss-ratio>
    cfm-ethlm-eir-far-end-loss-ratio
  </cfm-ethlm-eir-far-end-loss-ratio>
</cfm-ethlm-eir-reply-entry>

```

## Description



## <cfm-ethlm-eir-reply-entry>

### Usage

```

<ethlm-cir-eir-results>
  <cfm-ethlm-eir-reply-entry>
    <cfm-destination-mac-address>
      cfm-destination-mac-address
    </cfm-destination-mac-address>
    <cfm-ethlm-eir-near-end-frame-loss>
      cfm-ethlm-eir-near-end-frame-loss
    </cfm-ethlm-eir-near-end-frame-loss>
    <cfm-ethlm-eir-far-end-frame-loss>
      cfm-ethlm-eir-far-end-frame-loss
    </cfm-ethlm-eir-far-end-frame-loss>
    <cfm-ethlm-eir-near-end-loss-ratio>
      cfm-ethlm-eir-near-end-loss-ratio
    </cfm-ethlm-eir-near-end-loss-ratio>
    <cfm-ethlm-eir-far-end-loss-ratio>
      cfm-ethlm-eir-far-end-loss-ratio
    </cfm-ethlm-eir-far-end-loss-ratio>
  </cfm-ethlm-eir-reply-entry>
</ethlm-cir-eir-results>

```

### Description

## <cfm-ethlm-eir-reply-summary>

### Usage

```

<cfm-ethlm-eir-reply-summary>
  <cfm-ethlm-eir-average-near-end-frame-loss>
    cfm-ethlm-eir-average-near-end-frame-loss
  </cfm-ethlm-eir-average-near-end-frame-loss>
  <cfm-ethlm-eir-average-near-end-loss-ratio>
    cfm-ethlm-eir-average-near-end-loss-ratio
  </cfm-ethlm-eir-average-near-end-loss-ratio>
  <cfm-ethlm-eir-average-far-end-frame-loss>
    cfm-ethlm-eir-average-far-end-frame-loss
  </cfm-ethlm-eir-average-far-end-frame-loss>
  <cfm-ethlm-eir-average-far-end-loss-ratio>
    cfm-ethlm-eir-average-far-end-loss-ratio
  </cfm-ethlm-eir-average-far-end-loss-ratio>
  <cfm-ethlm-eir-near-end-best-case-frame-loss>
    cfm-ethlm-eir-near-end-best-case-frame-loss
  </cfm-ethlm-eir-near-end-best-case-frame-loss>
  <cfm-ethlm-eir-near-end-best-case-loss-ratio>
    cfm-ethlm-eir-near-end-best-case-loss-ratio
  </cfm-ethlm-eir-near-end-best-case-loss-ratio>
  <cfm-ethlm-eir-near-end-worst-case-frame-loss>
    cfm-ethlm-eir-near-end-worst-case-frame-loss
  </cfm-ethlm-eir-near-end-worst-case-frame-loss>
  <cfm-ethlm-eir-near-end-worst-case-loss-ratio>
    cfm-ethlm-eir-near-end-worst-case-loss-ratio
  </cfm-ethlm-eir-near-end-worst-case-loss-ratio>
  <cfm-ethlm-eir-far-end-best-case-frame-loss>

```

```

    cfm-ethlm-eir-far-end-best-case-frame-loss
  </cfm-ethlm-eir-far-end-best-case-frame-loss>
  <cfm-ethlm-eir-far-end-best-case-loss-ratio>
    cfm-ethlm-eir-far-end-best-case-loss-ratio
  </cfm-ethlm-eir-far-end-best-case-loss-ratio>
  <cfm-ethlm-eir-far-end-worst-case-frame-loss>
    cfm-ethlm-eir-far-end-worst-case-frame-loss
  </cfm-ethlm-eir-far-end-worst-case-frame-loss>
  <cfm-ethlm-eir-far-end-worst-case-loss-ratio>
    cfm-ethlm-eir-far-end-worst-case-loss-ratio
  </cfm-ethlm-eir-far-end-worst-case-loss-ratio>
</cfm-ethlm-eir-reply-summary>

```

## Description

### <cfm-ethlm-eir-reply-summary>

#### Usage

```

<ethlm-cir-eir-results>
  <cfm-ethlm-eir-reply-summary>
    <cfm-ethlm-eir-average-near-end-frame-loss>
      cfm-ethlm-eir-average-near-end-frame-loss
    </cfm-ethlm-eir-average-near-end-frame-loss>
    <cfm-ethlm-eir-average-near-end-loss-ratio>
      cfm-ethlm-eir-average-near-end-loss-ratio
    </cfm-ethlm-eir-average-near-end-loss-ratio>
    <cfm-ethlm-eir-average-far-end-frame-loss>
      cfm-ethlm-eir-average-far-end-frame-loss
    </cfm-ethlm-eir-average-far-end-frame-loss>
    <cfm-ethlm-eir-average-far-end-loss-ratio>
      cfm-ethlm-eir-average-far-end-loss-ratio
    </cfm-ethlm-eir-average-far-end-loss-ratio>
    <cfm-ethlm-eir-near-end-best-case-frame-loss>
      cfm-ethlm-eir-near-end-best-case-frame-loss
    </cfm-ethlm-eir-near-end-best-case-frame-loss>
    <cfm-ethlm-eir-near-end-best-case-loss-ratio>
      cfm-ethlm-eir-near-end-best-case-loss-ratio
    </cfm-ethlm-eir-near-end-best-case-loss-ratio>
    <cfm-ethlm-eir-near-end-worst-case-frame-loss>
      cfm-ethlm-eir-near-end-worst-case-frame-loss
    </cfm-ethlm-eir-near-end-worst-case-frame-loss>
    <cfm-ethlm-eir-near-end-worst-case-loss-ratio>
      cfm-ethlm-eir-near-end-worst-case-loss-ratio
    </cfm-ethlm-eir-near-end-worst-case-loss-ratio>
    <cfm-ethlm-eir-far-end-best-case-frame-loss>
      cfm-ethlm-eir-far-end-best-case-frame-loss
    </cfm-ethlm-eir-far-end-best-case-frame-loss>
    <cfm-ethlm-eir-far-end-best-case-loss-ratio>
      cfm-ethlm-eir-far-end-best-case-loss-ratio
    </cfm-ethlm-eir-far-end-best-case-loss-ratio>
    <cfm-ethlm-eir-far-end-worst-case-frame-loss>
      cfm-ethlm-eir-far-end-worst-case-frame-loss
    </cfm-ethlm-eir-far-end-worst-case-frame-loss>
    <cfm-ethlm-eir-far-end-worst-case-loss-ratio>
      cfm-ethlm-eir-far-end-worst-case-loss-ratio

```

```

    </cfm-ethlm-eir-far-end-worst-case-loss-ratio>
  </cfm-ethlm-eir-reply-summary>
</ethlm-cir-eir-results>

```

## Description

### <cfm-ethlm-error-reply-entry>

#### Usage

```

<cfm-ethlm-error-reply-entry>
  <cfm-ethlm-invalid-flags-response>
    cfm-ethlm-invalid-flags-response
  </cfm-ethlm-invalid-flags-response>
  <cfm-ethlm-invalid-tlvoffset-response>
    cfm-ethlm-invalid-tlvoffset-response
  </cfm-ethlm-invalid-tlvoffset-response>
  <cfm-ethlm-no-endtlv-response>
    cfm-ethlm-no-endtlv-response
  </cfm-ethlm-no-endtlv-response>
  <cfm-ethlm-no-juniperlmtlv-response>
    cfm-ethlm-no-juniperlmtlv-response
  </cfm-ethlm-no-juniperlmtlv-response>
  <cfm-ethlm-server-counter-reset-response>
    cfm-ethlm-server-counter-reset-response
  </cfm-ethlm-server-counter-reset-response>
</cfm-ethlm-error-reply-entry>

```

## Description

### <cfm-ethlm-error-reply-entry>

#### Usage

```

<ethlm-cir-eir-results>
  <cfm-ethlm-error-reply-entry>
    <cfm-ethlm-invalid-flags-response>
      cfm-ethlm-invalid-flags-response
    </cfm-ethlm-invalid-flags-response>
    <cfm-ethlm-invalid-tlvoffset-response>
      cfm-ethlm-invalid-tlvoffset-response
    </cfm-ethlm-invalid-tlvoffset-response>
    <cfm-ethlm-no-endtlv-response>
      cfm-ethlm-no-endtlv-response
    </cfm-ethlm-no-endtlv-response>
    <cfm-ethlm-no-juniperlmtlv-response>
      cfm-ethlm-no-juniperlmtlv-response
    </cfm-ethlm-no-juniperlmtlv-response>
    <cfm-ethlm-server-counter-reset-response>
      cfm-ethlm-server-counter-reset-response
    </cfm-ethlm-server-counter-reset-response>
  </cfm-ethlm-error-reply-entry>
</ethlm-cir-eir-results>

```

## Description

### <cfm-ethlm-error-snapshot>

#### Usage

```
<cfm-ethlm-error-snapshot>
  <cfm-ethlm-error-reason>
    cfm-ethlm-error-reason
  </cfm-ethlm-error-reason>
</cfm-ethlm-error-snapshot>
```

#### Description

### <cfm-ethlm-error-snapshot>

#### Usage

```
<ethlm-cir-eir-results>
  <cfm-ethlm-error-snapshot>
    <cfm-ethlm-error-reason>
      cfm-ethlm-error-reason
    </cfm-ethlm-error-reason>
  </cfm-ethlm-error-snapshot>
</ethlm-cir-eir-results>
```

#### Description

### <cfm-ethlm-request-snapshot>

#### Usage

```
<cfm-ethlm-request-snapshot>
  <cfm-interface-name>
    cfm-interface-name
  </cfm-interface-name>
  <cfm-level>
    cfm-level
  </cfm-level>
  <cfm-maintenance-domain-name>
    cfm-maintenance-domain-name
  </cfm-maintenance-domain-name>
  <cfm-maintenance-association-name>
    cfm-maintenance-association-name
  </cfm-maintenance-association-name>
  <cfm-local-mep-identifier>
    cfm-local-mep-identifier
  </cfm-local-mep-identifier>
  <cfm-destination-mac-address>
    cfm-destination-mac-address
  </cfm-destination-mac-address>
</cfm-ethlm-request-snapshot>
```

#### Description

## <cfm-ethlm-request-snapshot>

### Usage

```

<ethlm-cir-eir-results>
  <cfm-ethlm-request-snapshot>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-level>
      cfm-level
    </cfm-level>
    <cfm-maintenance-domain-name>
      cfm-maintenance-domain-name
    </cfm-maintenance-domain-name>
    <cfm-maintenance-association-name>
      cfm-maintenance-association-name
    </cfm-maintenance-association-name>
    <cfm-local-mep-identifier>
      cfm-local-mep-identifier
    </cfm-local-mep-identifier>
    <cfm-destination-mac-address>
      cfm-destination-mac-address
    </cfm-destination-mac-address>
  </cfm-ethlm-request-snapshot>
</ethlm-cir-eir-results>

```

### Description

## <ethlm-cir-eir-results>

### Usage

```

<ethlm-cir-eir-results>
  <cfm-ethlm-error-snapshot>....</cfm-ethlm-error-snapshot>
  <cfm-ethlm-request-snapshot>....</cfm-ethlm-request-snapshot>
  <cfm-ethlm-error-reply-entry>....</cfm-ethlm-error-reply-entry>
  <cfm-ethlm-cir-reply-entry>....</cfm-ethlm-cir-reply-entry>
  <cfm-ethlm-eir-reply-entry>....</cfm-ethlm-eir-reply-entry>
  <cfm-ethlm-cir-reply-summary>....</cfm-ethlm-cir-reply-summary>
  <cfm-ethlm-eir-reply-summary>....</cfm-ethlm-eir-reply-summary>
</ethlm-cir-eir-results>

```

### Description

## Summary of ETH Ping Response Tags

## <cfm-loopback-error-snapshot>

### Usage

```

<cfm-loopback-error-snapshot>
  <cfm-loopback-error-reason>
    cfm-loopback-error-reason
  </cfm-loopback-error-reason>

```

</cfm-loopback-error-snapshot>

#### Description

### <cfm-loopback-error-snapshot>

#### Usage

```
<ethping-results>
  <cfm-loopback-error-snapshot>
    <cfm-loopback-error-reason>
      cfm-loopback-error-reason
    </cfm-loopback-error-reason>
  </cfm-loopback-error-snapshot>
</ethping-results>
```

#### Description

### <cfm-loopback-reply-entry>

#### Usage

```
<cfm-loopback-reply-entry>
  <cfm-loopback-responses-bytes>
    cfm-loopback-responses-bytes
  </cfm-loopback-responses-bytes>
  <cfm-target-mac-address>
    cfm-target-mac-address
  </cfm-target-mac-address>
  <cfm-loopback-transaction-identifier>
    cfm-loopback-transaction-identifier
  </cfm-loopback-transaction-identifier>
</cfm-loopback-reply-entry>
```

#### Description

### <cfm-loopback-reply-entry>

#### Usage

```
<ethping-results>
  <cfm-loopback-reply-entry>
    <cfm-loopback-responses-bytes>
      cfm-loopback-responses-bytes
    </cfm-loopback-responses-bytes>
    <cfm-target-mac-address>
      cfm-target-mac-address
    </cfm-target-mac-address>
    <cfm-loopback-transaction-identifier>
      cfm-loopback-transaction-identifier
    </cfm-loopback-transaction-identifier>
  </cfm-loopback-reply-entry>
</ethping-results>
```

#### Description

## <cfm-loopback-reply-summary>

### Usage

```

<cfm-loopback-reply-summary>
  <cfm-loopback-requests-packets>
    cfm-loopback-requests-packets
  </cfm-loopback-requests-packets>
  <cfm-loopback-responses-packets>
    cfm-loopback-responses-packets
  </cfm-loopback-responses-packets>
  <cfm-loopback-percentage-packet-loss>
    cfm-loopback-percentage-packet-loss
  </cfm-loopback-percentage-packet-loss>
</cfm-loopback-reply-summary>

```

### Description

## <cfm-loopback-reply-summary>

### Usage

```

<ethping-results>
  <cfm-loopback-reply-summary>
    <cfm-loopback-requests-packets>
      cfm-loopback-requests-packets
    </cfm-loopback-requests-packets>
    <cfm-loopback-responses-packets>
      cfm-loopback-responses-packets
    </cfm-loopback-responses-packets>
    <cfm-loopback-percentage-packet-loss>
      cfm-loopback-percentage-packet-loss
    </cfm-loopback-percentage-packet-loss>
  </cfm-loopback-reply-summary>
</ethping-results>

```

### Description

## <cfm-loopback-request-snapshot>

### Usage

```

<cfm-loopback-request-snapshot>
  <cfm-interface-name>
    cfm-interface-name
  </cfm-interface-name>
  <cfm-level>
    cfm-level
  </cfm-level>
  <cfm-maintenance-domain-name>
    cfm-maintenance-domain-name
  </cfm-maintenance-domain-name>
  <cfm-maintenance-association-name>
    cfm-maintenance-association-name
  </cfm-maintenance-association-name>
  <cfm-local-mep-identifier>

```

```
    cfm-local-mep-identifier
  </cfm-local-mep-identifier>
  <cfm-target-mac-address>
    cfm-target-mac-address
  </cfm-target-mac-address>
  <cfm-loopback-transaction-identifier>
    cfm-loopback-transaction-identifier
  </cfm-loopback-transaction-identifier>
  <cfm-loopback-requests-bytes>
    cfm-loopback-requests-bytes
  </cfm-loopback-requests-bytes>
</cfm-loopback-request-snapshot>
```

#### Description

### <cfm-loopback-request-snapshot>

#### Usage

```
<ethping-results>
  <cfm-loopback-request-snapshot>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-level>
      cfm-level
    </cfm-level>
    <cfm-maintenance-domain-name>
      cfm-maintenance-domain-name
    </cfm-maintenance-domain-name>
    <cfm-maintenance-association-name>
      cfm-maintenance-association-name
    </cfm-maintenance-association-name>
    <cfm-local-mep-identifier>
      cfm-local-mep-identifier
    </cfm-local-mep-identifier>
    <cfm-target-mac-address>
      cfm-target-mac-address
    </cfm-target-mac-address>
    <cfm-loopback-transaction-identifier>
      cfm-loopback-transaction-identifier
    </cfm-loopback-transaction-identifier>
    <cfm-loopback-requests-bytes>
      cfm-loopback-requests-bytes
    </cfm-loopback-requests-bytes>
  </cfm-loopback-request-snapshot>
</ethping-results>
```

#### Description

### <ethping-results>

#### Usage

```
<ethping-results>
  <cfm-loopback-error-snapshot>....</cfm-loopback-error-snapshot>
```



```

<cfm-loopback-request-snapshot>....</cfm-loopback-request-snapshot>
<cfm-loopback-reply-entry>....</cfm-loopback-reply-entry>
<cfm-loopback-reply-summary>....</cfm-loopback-reply-summary>
</ethping-results>

```

#### Description

### Summary of Ethernet Traceroute Response Tags

#### <cfm-linktrace-error-snapshot>

##### Usage

```

<cfm-linktrace-error-snapshot>
  <cfm-linktrace-error-reason>
    cfm-linktrace-error-reason
  </cfm-linktrace-error-reason>
</cfm-linktrace-error-snapshot>

```

#### Description

#### <cfm-linktrace-error-snapshot>

##### Usage

```

<ethtraceroute-results>
  <cfm-linktrace-error-snapshot>
    <cfm-linktrace-error-reason>
      cfm-linktrace-error-reason
    </cfm-linktrace-error-reason>
  </cfm-linktrace-error-snapshot>
</ethtraceroute-results>

```

#### Description

#### <cfm-linktrace-reply-entry>

##### Usage

```

<cfm-linktrace-reply-entry>
  <cfm-linktrace-request-hop-identifier>
    cfm-linktrace-request-hop-identifier
  </cfm-linktrace-request-hop-identifier>
  <cfm-linktrace-reply-ttl>
    cfm-linktrace-reply-ttl
  </cfm-linktrace-reply-ttl>
  <cfm-mep-mip-mac-address>
    cfm-mep-mip-mac-address
  </cfm-mep-mip-mac-address>
  <cfm-next-hop-mac-address>
    cfm-next-hop-mac-address
  </cfm-next-hop-mac-address>
  <cfm-linktrace-reply-wait-str>
    cfm-linktrace-reply-wait-str
  </cfm-linktrace-reply-wait-str>

```

</cfm-linktrace-reply-entry>

#### Description

### <cfm-linktrace-reply-entry>

#### Usage

```
<ethtraceroute-results>
  <cfm-linktrace-reply-entry>
    <cfm-linktrace-request-hop-identifier>
      cfm-linktrace-request-hop-identifier
    </cfm-linktrace-request-hop-identifier>
    <cfm-linktrace-reply-ttl>
      cfm-linktrace-reply-ttl
    </cfm-linktrace-reply-ttl>
    <cfm-mep-mip-mac-address>
      cfm-mep-mip-mac-address
    </cfm-mep-mip-mac-address>
    <cfm-next-hop-mac-address>
      cfm-next-hop-mac-address
    </cfm-next-hop-mac-address>
    <cfm-linktrace-reply-wait-str>
      cfm-linktrace-reply-wait-str
    </cfm-linktrace-reply-wait-str>
  </cfm-linktrace-reply-entry>
</ethtraceroute-results>
```

#### Description

### <cfm-linktrace-request-snapshot>

#### Usage

```
<cfm-linktrace-request-snapshot>
  <cfm-interface-name>
    cfm-interface-name
  </cfm-interface-name>
  <cfm-level>
    cfm-level
  </cfm-level>
  <cfm-maintenance-domain-name>
    cfm-maintenance-domain-name
  </cfm-maintenance-domain-name>
  <cfm-maintenance-association-name>
    cfm-maintenance-association-name
  </cfm-maintenance-association-name>
  <cfm-local-mep-identifier>
    cfm-local-mep-identifier
  </cfm-local-mep-identifier>
  <cfm-target-mac-address>
    cfm-target-mac-address
  </cfm-target-mac-address>
  <cfm-linktrace-transaction-identifier>
    cfm-linktrace-transaction-identifier
  </cfm-linktrace-transaction-identifier>
```

</cfm-linktrace-request-snapshot>

#### Description

<cfm-linktrace-request-snapshot>

#### Usage

```
<ethtraceroute-results>
  <cfm-linktrace-request-snapshot>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-level>
      cfm-level
    </cfm-level>
    <cfm-maintenance-domain-name>
      cfm-maintenance-domain-name
    </cfm-maintenance-domain-name>
    <cfm-maintenance-association-name>
      cfm-maintenance-association-name
    </cfm-maintenance-association-name>
    <cfm-local-mep-identifier>
      cfm-local-mep-identifier
    </cfm-local-mep-identifier>
    <cfm-target-mac-address>
      cfm-target-mac-address
    </cfm-target-mac-address>
    <cfm-linktrace-transaction-identifier>
      cfm-linktrace-transaction-identifier
    </cfm-linktrace-transaction-identifier>
  </cfm-linktrace-request-snapshot>
</ethtraceroute-results>
```

#### Description

<ethtraceroute-results>

#### Usage

```
<ethtraceroute-results>
  <cfm-linktrace-error-snapshot>....</cfm-linktrace-error-snapshot>
  <cfm-linktrace-request-snapshot>....</cfm-linktrace-request-snapshot>
  <cfm-linktrace-reply-entry>....</cfm-linktrace-reply-entry>
</ethtraceroute-results>
```

#### Description

## Summary of Firewall Filter Response Tags

<counter>

#### Usage

```
<counter>
  <counter-name>
```

```
        counter-name
      </counter-name>
    <byte-count>
      byte-count
    </byte-count>
    <packet-count>
      packet-count
    </packet-count>
  </counter>
```

**Description** Counter information

## <counter>

### Usage

```
<filter-information>
  <counter>
    <counter-name>
      counter-name
    </counter-name>
    <byte-count>
      byte-count
    </byte-count>
    <packet-count>
      packet-count
    </packet-count>
  </counter>
</filter-information>
```

**Description** Counter information

## <counter>

### Usage

```
<firewall-information>
  <filter-information>
    <counter>
      <counter-name>
        counter-name
      </counter-name>
      <byte-count>
        byte-count
      </byte-count>
      <packet-count>
        packet-count
      </packet-count>
    </counter>
  </filter-information>
</firewall-information>
```

**Description** Counter information

**<counter>****Usage**

```
<firewall-prefix-action-information>
  <counter>
    <counter-name>
      counter-name
    </counter-name>
    <byte-count>
      byte-count
    </byte-count>
    <packet-count>
      packet-count
    </packet-count>
  </counter>
</firewall-prefix-action-information>
```

**Description** Counter information

**<filter-information>****Usage**

```
<filter-information>
  <filter-name>
    filter-name
  </filter-name>
  <counter>....</counter>
  <policer>....</policer>
  <filter-version>....</filter-version>
</filter-information>
```

**Description** Details of a firewall filter

**<filter-information>****Usage**

```
<firewall-information>
  <filter-information>
    <filter-name>
      filter-name
    </filter-name>
    <counter>....</counter>
    <policer>....</policer>
    <filter-version>....</filter-version>
  </filter-information>
</firewall-information>
```

**Description** Details of a firewall filter

**<filter-version>****Usage**

```
<filter-version>
  <filter-name>
    filter-name
  </filter-name>
  <version>
    version
  </version>
</filter-version>
```

**Description** Filter version information

**<filter-version>****Usage**

```
<filter-information>
  <filter-version>
    <filter-name>
      filter-name
    </filter-name>
    <version>
      version
    </version>
  </filter-version>
</filter-information>
```

**Description** Filter version information

**<filter-version>****Usage**

```
<firewall-information>
  <filter-information>
    <filter-version>
      <filter-name>
        filter-name
      </filter-name>
      <version>
        version
      </version>
    </filter-version>
  </filter-information>
</firewall-information>
```

**Description** Filter version information

**<firewall-db-object-counts>****Usage**

```

<firewall-db-object-counts>
  <firewall-db-object-type>
    firewall-db-object-type
  </firewall-db-object-type>
  <firewall-db-object-dynamic>
    firewall-db-object-dynamic
  </firewall-db-object-dynamic>
  <firewall-db-object-config>
    firewall-db-object-config
  </firewall-db-object-config>
  <firewall-db-object-kernel>
    firewall-db-object-kernel
  </firewall-db-object-kernel>
</firewall-db-object-counts>

```

**Description****<firewall-db-object-counts>****Usage**

```

<firewall-db-object-information>
  <firewall-db-object-counts>
    <firewall-db-object-type>
      firewall-db-object-type
    </firewall-db-object-type>
    <firewall-db-object-dynamic>
      firewall-db-object-dynamic
    </firewall-db-object-dynamic>
    <firewall-db-object-config>
      firewall-db-object-config
    </firewall-db-object-config>
    <firewall-db-object-kernel>
      firewall-db-object-kernel
    </firewall-db-object-kernel>
  </firewall-db-object-counts>
</firewall-db-object-information>

```

**Description****<firewall-db-object-information>****Usage**

```

<firewall-db-object-information>
  <firewall-db-object-counts>....</firewall-db-object-counts>
</firewall-db-object-information>

```

**Description**

## <firewall-debug-information>

### Usage

```
<firewall-debug-information>
  <firewall-debug-str>
    firewall-debug-str
  </firewall-debug-str>
</firewall-debug-information>
```

### Description

## <firewall-emalloc-information>

### Usage

```
<firewall-emalloc-information>
  <firewall-emalloc-stats>....</firewall-emalloc-stats>
</firewall-emalloc-information>
```

### Description

## <firewall-emalloc-stats>

### Usage

```
<firewall-emalloc-stats>
  <firewall-emalloc-phase>
    firewall-emalloc-phase
  </firewall-emalloc-phase>
  <firewall-emalloc-type>
    firewall-emalloc-type
  </firewall-emalloc-type>
  <firewall-emalloc-num-times>
    firewall-emalloc-num-times
  </firewall-emalloc-num-times>
  <firewall-emalloc-max-allocated>
    firewall-emalloc-max-allocated
  </firewall-emalloc-max-allocated>
</firewall-emalloc-stats>
```

### Description

## <firewall-emalloc-stats>

### Usage

```
<firewall-emalloc-information>
  <firewall-emalloc-stats>
    <firewall-emalloc-phase>
      firewall-emalloc-phase
    </firewall-emalloc-phase>
    <firewall-emalloc-type>
      firewall-emalloc-type
    </firewall-emalloc-type>
    <firewall-emalloc-num-times>
```



```

        firewall-emalloc-num-times
      </firewall-emalloc-num-times>
      <firewall-emalloc-max-allocated>
        firewall-emalloc-max-allocated
      </firewall-emalloc-max-allocated>
    </firewall-emalloc-stats>
  </firewall-emalloc-information>

```

#### Description

### <firewall-information>

#### Usage

```

<firewall-information>
  <filter-information>....</filter-information>
</firewall-information>

```

#### Description

### <firewall-log-information>

#### Usage

```

<firewall-log-information>
  <log-information>....</log-information>
</firewall-log-information>

```

#### Description

### <firewall-prefix-action-information>

#### Usage

```

<firewall-prefix-action-information>
  <filter-name>
    filter-name
  </filter-name>
  <counter>....</counter>
  <policer>....</policer>
</firewall-prefix-action-information>

```

**Description** Display prefix specific counter and policer statistics for a filter

### <log-information>

#### Usage

```

<log-information>
  <time>
    time
  </time>
  <filter-name>
    filter-name
  </filter-name>

```

```
<action-name>
  action-name
</action-name>
<interface-name>
  interface-name
</interface-name>
<protocol-name>
  protocol-name
</protocol-name>
<source-address>
  source-address
</source-address>
<destination-address>
  destination-address
</destination-address>
<packet-length>
  packet-length
</packet-length>
<icmp-type>
  icmp-type
</icmp-type>
<icmp-code>
  icmp-code
</icmp-code>
</log-information>
```

**Description** Details of a single firewall log entry

## <log-information>

### Usage

```
<firewall-log-information>
  <log-information>
    <time>
      time
    </time>
    <filter-name>
      filter-name
    </filter-name>
    <action-name>
      action-name
    </action-name>
    <interface-name>
      interface-name
    </interface-name>
    <protocol-name>
      protocol-name
    </protocol-name>
    <source-address>
      source-address
    </source-address>
    <destination-address>
      destination-address
    </destination-address>
```

```

    <packet-length>
      packet-length
    </packet-length>
    <icmp-type>
      icmp-type
    </icmp-type>
    <icmp-code>
      icmp-code
    </icmp-code>
  </log-information>
</firewall-log-information>

```

**Description** Details of a single firewall log entry

### <policer>

#### Usage

```

<policer>
  <policer-name>
    policer-name
  </policer-name>
  <packet-count>
    packet-count
  </packet-count>
</policer>

```

**Description** Policer information

### <policer>

#### Usage

```

<filter-information>
  <policer>
    <policer-name>
      policer-name
    </policer-name>
    <packet-count>
      packet-count
    </packet-count>
  </policer>
</filter-information>

```

**Description** Policer information

### <policer>

#### Usage

```

<firewall-information>
  <filter-information>
    <policer>
      <policer-name>

```

```
    policer-name
  </policer-name>
  <packet-count>
    packet-count
  </packet-count>
</policer>
</filter-information>
</firewall-information>
```

**Description** Policer information

### <policer>

#### Usage

```
<firewall-prefix-action-information>
  <policer>
    <policer-name>
      policer-name
    </policer-name>
    <packet-count>
      packet-count
    </packet-count>
  </policer>
</firewall-prefix-action-information>
```

**Description** Policer information

### <policer-byte>

#### Usage

```
<policer-byte>
  <policer-name>
    policer-name
  </policer-name>
  <byte-count>
    byte-count
  </byte-count>
  <packet-count>
    packet-count
  </packet-count>
</policer-byte>
```

**Description** Policer information

---

## Summary of J20 Gateway GPRS Support Response Tags

---

### <apn-pdp-context-deletion-results>

#### Usage

```
<apn-pdp-context-deletion-results>
```

```

    <apn-name>
      apn-name
    </apn-name>
    <user-category>
      user-category
    </user-category>

    <interface-pdp-context-deletion-information>....</interface-pdp-context-deletion-information>

    </apn-pdp-context-deletion-results>

```

**Description** Results for an APN-wide PDP context deletion command

## <apn-statistics>

### Usage

```

<apn-statistics-information>
  <apn-statistics>
    <name>
      name
    </name>
    <pdp-context-statistics>....</pdp-context-statistics>
    <gtp-error-statistics>....</gtp-error-statistics>
    <uplink>....</uplink>
    <downlink>....</downlink>
    <ggsn-pdp-per-user-category>....</ggsn-pdp-per-user-category>
    <radius-statistics-information>....</radius-statistics-information>
    <rulespace-based-charging-statistics>....</rulespace-based-charging-statistics>

    <signalling>....</signalling>
    <tft-filter-count>
      tft-filter-count
    </tft-filter-count>
    <neighbor-solicitation-req-received>
      neighbor-solicitation-req-received
    </neighbor-solicitation-req-received>
    <neighbor-solicitation-req-responded>
      neighbor-solicitation-req-responded
    </neighbor-solicitation-req-responded>
    <router-solicitation-req-received>
      router-solicitation-req-received
    </router-solicitation-req-received>
    <router-solicitation-req-responded>
      router-solicitation-req-responded
    </router-solicitation-req-responded>
  </apn-statistics>
</apn-statistics-information>

```

**Description** Statistics for a single APN

### <apn-statistics-information>

#### Usage

```
<apn-statistics-information>
  <apn-statistics>....</apn-statistics>
  <sbcc-statistics-information>....</sbcc-statistics-information>
  <service-based-charging-for-gx>....</service-based-charging-for-gx>
</apn-statistics-information>
```

**Description** APN statistics for the GGSN

### <authorization-discard-information>

#### Usage

```
<authorization-discard-information>
  <authorization-discard-statistics>....</authorization-discard-statistics>
</authorization-discard-information>
```

#### Description

### <authorization-discard-information>

#### Usage

```
<sbcc-statistics-information>
  <authorization-discard-information>
    <authorization-discard-statistics>....</authorization-discard-statistics>
  </authorization-discard-information>
</sbcc-statistics-information>
```

#### Description

### <authorization-discard-information>

#### Usage

```
<ggsn-interface>
  <sbcc-statistics-information>
    <authorization-discard-information>
      <authorization-discard-statistics>....</authorization-discard-statistics>
    </authorization-discard-information>
  </sbcc-statistics-information>
</ggsn-interface>
```

#### Description

### <authorization-discard-information>

#### Usage

```
<ggsn-interface-information>
  <ggsn-interface>
    <sbcc-statistics-information>
      <authorization-discard-information>
```

```

        <authorization-discard-statistics>....</authorization-discard-statistics>
    </authorization-discard-information>
</sbcc-statistics-information>
</ggsn-interface>
</ggsn-interface-information>

```

#### Description

### <authorization-discard-information>

#### Usage

```

<ggsn-statistics>
  <sbcc-statistics-information>
    <authorization-discard-information>
      <authorization-discard-statistics>....</authorization-discard-statistics>
    </authorization-discard-information>
  </sbcc-statistics-information>
</ggsn-statistics>

```

#### Description

### <authorization-discard-information>

#### Usage

```

<apn-statistics-information>
  <sbcc-statistics-information>
    <authorization-discard-information>
      <authorization-discard-statistics>....</authorization-discard-statistics>
    </authorization-discard-information>
  </sbcc-statistics-information>
</apn-statistics-information>

```

#### Description

### <authorization-discard-statistics>

#### Usage

```

<authorization-discard-information>
  <authorization-discard-statistics>
    <service-class-source>
      service-class-source
    </service-class-source>
    <packets>
      packets
    </packets>
    <bytes>
      bytes
    </bytes>
  </authorization-discard-statistics>
</authorization-discard-information>

```

**Description** Statistics for authorization-based packet discards

## <authorization-discard-statistics>

### Usage

```
<sbcc-statistics-information>
  <authorization-discard-information>
    <authorization-discard-statistics>
      <service-class-source>
        service-class-source
      </service-class-source>
      <packets>
        packets
      </packets>
      <bytes>
        bytes
      </bytes>
    </authorization-discard-statistics>
  </authorization-discard-information>
</sbcc-statistics-information>
```

**Description** Statistics for authorization-based packet discards

## <authorization-discard-statistics>

### Usage

```
<ggsn-interface>
  <sbcc-statistics-information>
    <authorization-discard-information>
      <authorization-discard-statistics>
        <service-class-source>
          service-class-source
        </service-class-source>
        <packets>
          packets
        </packets>
        <bytes>
          bytes
        </bytes>
      </authorization-discard-statistics>
    </authorization-discard-information>
  </sbcc-statistics-information>
</ggsn-interface>
```

**Description** Statistics for authorization-based packet discards

## <authorization-discard-statistics>

### Usage

```
<ggsn-interface-information>
  <ggsn-interface>
    <sbcc-statistics-information>
      <authorization-discard-information>
        <authorization-discard-statistics>
```



```
<service-class-source>
  service-class-source
</service-class-source>
<packets>
  packets
</packets>
<bytes>
  bytes
</bytes>
</authorization-discard-statistics>
</authorization-discard-information>
</sbcc-statistics-information>
</ggsn-interface>
</ggsn-interface-information>
```

**Description** Statistics for authorization-based packet discards

### <authorization-discard-statistics>

#### Usage

```
<ggsn-statistics>
<sbcc-statistics-information>
<authorization-discard-information>
  <authorization-discard-statistics>
    <service-class-source>
      service-class-source
    </service-class-source>
    <packets>
      packets
    </packets>
    <bytes>
      bytes
    </bytes>
  </authorization-discard-statistics>
</authorization-discard-information>
</sbcc-statistics-information>
</ggsn-statistics>
```

**Description** Statistics for authorization-based packet discards

### <authorization-discard-statistics>

#### Usage

```
<apn-statistics-information>
<sbcc-statistics-information>
<authorization-discard-information>
  <authorization-discard-statistics>
    <service-class-source>
      service-class-source
    </service-class-source>
    <packets>
      packets
```

```
</packets>
<bytes>
  bytes
</bytes>
</authorization-discard-statistics>
</authorization-discard-information>
</sbcc-statistics-information>
</apn-statistics-information>
```

**Description** Statistics for authorization-based packet discards

### <billing-gateway>

#### Usage

```
<gtp-prime-statistics-information>
<billing-gateway>
  <address>
    address
  </address>
  <time-connected>
    time-connected
  </time-connected>
</billing-gateway>
</gtp-prime-statistics-information>
```

**Description** Active billing gateway information

### <call-trace>

#### Usage

```
<call-trace>
  <imsi>
    imsi
  </imsi>
  <msisdn>
    msisdn
  </msisdn>
  <time-started>
    time-started
  </time-started>
  <nsapi-information>....</nsapi-information>
</call-trace>
```

**Description** Information about a GGSN node call trace

### <call-trace>

#### Usage

```
<call-trace-information>
  <call-trace>
    <imsi>
```

```

    imsi
  </imsi>
  <msisdn>
    msisdn
  </msisdn>
  <time-started>
    time-started
  </time-started>
  <nsapi-information>....</nsapi-information>
</call-trace>
</call-trace-information>

```

**Description** Information about a GGSN node call trace

### <call-trace-information>

#### Usage

```

<call-trace-information>
  <number-enabled>
    number-enabled
  </number-enabled>
  <number-active>
    number-active
  </number-active>
  <call-trace>....</call-trace>
</call-trace-information>

```

**Description** Information about call traces enabled for the GGSN node

### <ccas-information>

#### Usage

```

<ccas-information>
  <ccas-statistics>....</ccas-statistics>
</ccas-information>

```

**Description** Information about credit control application systems

### <ccas-information>

#### Usage

```

<sbcc-statistics-information>
  <ccas-information>
    <ccas-statistics>....</ccas-statistics>
  </ccas-information>
</sbcc-statistics-information>

```

**Description** Information about credit control application systems

**<ccas-information>****Usage**

```
<ggsn-interface>
  <sbcc-statistics-information>
    <ccas-information>
      <ccas-statistics>....</ccas-statistics>
    </ccas-information>
  </sbcc-statistics-information>
</ggsn-interface>
```

**Description** Information about credit control application systems

**<ccas-information>****Usage**

```
<ggsn-interface-information>
  <ggsn-interface>
    <sbcc-statistics-information>
      <ccas-information>
        <ccas-statistics>....</ccas-statistics>
      </ccas-information>
    </sbcc-statistics-information>
  </ggsn-interface>
</ggsn-interface-information>
```

**Description** Information about credit control application systems

**<ccas-information>****Usage**

```
<ggsn-statistics>
  <sbcc-statistics-information>
    <ccas-information>
      <ccas-statistics>....</ccas-statistics>
    </ccas-information>
  </sbcc-statistics-information>
</ggsn-statistics>
```

**Description** Information about credit control application systems

**<ccas-information>****Usage**

```
<apn-statistics-information>
  <sbcc-statistics-information>
    <ccas-information>
      <ccas-statistics>....</ccas-statistics>
    </ccas-information>
  </sbcc-statistics-information>
```

```
</apn-statistics-information>
```

**Description** Information about credit control application systems

### <ccas-statistics>

#### Usage

```
<ccas-information>
  <ccas-statistics>
    <ccas-identifier>
      ccas-identifier
    </ccas-identifier>
    <ccas-start-request>
      ccas-start-request
    </ccas-start-request>
    <ccas-start-request-failed>
      ccas-start-request-failed
    </ccas-start-request-failed>
    <ccas-update-request>
      ccas-update-request
    </ccas-update-request>
    <ccas-update-request-failed>
      ccas-update-request-failed
    </ccas-update-request-failed>
    <ccas-stop-request>
      ccas-stop-request
    </ccas-stop-request>
    <ccas-stop-request-failed>
      ccas-stop-request-failed
    </ccas-stop-request-failed>
    <ccas-user-service-denied>
      ccas-user-service-denied
    </ccas-user-service-denied>
    <ccas-user-unknown>
      ccas-user-unknown
    </ccas-user-unknown>
    <ccas-authorization-failure>
      ccas-authorization-failure
    </ccas-authorization-failure>
    <ccas-cc-not-applicable>
      ccas-cc-not-applicable
    </ccas-cc-not-applicable>
  </ccas-statistics>
</ccas-information>
```

**Description** Statistics for a credit control application system

### <ccas-statistics>

#### Usage

```
<sbcc-statistics-information>
  <ccas-information>
```

```
<ccas-statistics>
  <ccas-identifier>
    ccas-identifier
  </ccas-identifier>
  <ccas-start-request>
    ccas-start-request
  </ccas-start-request>
  <ccas-start-request-failed>
    ccas-start-request-failed
  </ccas-start-request-failed>
  <ccas-update-request>
    ccas-update-request
  </ccas-update-request>
  <ccas-update-request-failed>
    ccas-update-request-failed
  </ccas-update-request-failed>
  <ccas-stop-request>
    ccas-stop-request
  </ccas-stop-request>
  <ccas-stop-request-failed>
    ccas-stop-request-failed
  </ccas-stop-request-failed>
  <ccas-user-service-denied>
    ccas-user-service-denied
  </ccas-user-service-denied>
  <ccas-user-unknown>
    ccas-user-unknown
  </ccas-user-unknown>
  <ccas-authorization-failure>
    ccas-authorization-failure
  </ccas-authorization-failure>
  <ccas-cc-not-applicable>
    ccas-cc-not-applicable
  </ccas-cc-not-applicable>
</ccas-statistics>
</ccas-information>
</sbcc-statistics-information>
```

**Description** Statistics for a credit control application system

### <ccas-statistics>

#### Usage

```
<ggsn-interface>
  <sbcc-statistics-information>
    <ccas-information>
      <ccas-statistics>
        <ccas-identifier>
          ccas-identifier
        </ccas-identifier>
        <ccas-start-request>
          ccas-start-request
        </ccas-start-request>
        <ccas-start-request-failed>
```

```

    ccas-start-request-failed
  </ccas-start-request-failed>
  <ccas-update-request>
    ccas-update-request
  </ccas-update-request>
  <ccas-update-request-failed>
    ccas-update-request-failed
  </ccas-update-request-failed>
  <ccas-stop-request>
    ccas-stop-request
  </ccas-stop-request>
  <ccas-stop-request-failed>
    ccas-stop-request-failed
  </ccas-stop-request-failed>
  <ccas-user-service-denied>
    ccas-user-service-denied
  </ccas-user-service-denied>
  <ccas-user-unknown>
    ccas-user-unknown
  </ccas-user-unknown>
  <ccas-authorization-failure>
    ccas-authorization-failure
  </ccas-authorization-failure>
  <ccas-cc-not-applicable>
    ccas-cc-not-applicable
  </ccas-cc-not-applicable>
</ccas-statistics>
</ccas-information>
</sbcc-statistics-information>
</ggsn-interface>

```

**Description** Statistics for a credit control application system

### <ccas-statistics>

#### Usage

```

<ggsn-interface-information>
  <ggsn-interface>
    <sbcc-statistics-information>
      <ccas-information>
        <ccas-statistics>
          <ccas-identifier>
            ccas-identifier
          </ccas-identifier>
          <ccas-start-request>
            ccas-start-request
          </ccas-start-request>
          <ccas-start-request-failed>
            ccas-start-request-failed
          </ccas-start-request-failed>
          <ccas-update-request>
            ccas-update-request
          </ccas-update-request>
          <ccas-update-request-failed>

```

```
    ccas-update-request-failed
  </ccas-update-request-failed>
  <ccas-stop-request>
    ccas-stop-request
  </ccas-stop-request>
  <ccas-stop-request-failed>
    ccas-stop-request-failed
  </ccas-stop-request-failed>
  <ccas-user-service-denied>
    ccas-user-service-denied
  </ccas-user-service-denied>
  <ccas-user-unknown>
    ccas-user-unknown
  </ccas-user-unknown>
  <ccas-authorization-failure>
    ccas-authorization-failure
  </ccas-authorization-failure>
  <ccas-cc-not-applicable>
    ccas-cc-not-applicable
  </ccas-cc-not-applicable>
</ccas-statistics>
</ccas-information>
</sbcc-statistics-information>
</ggsn-interface>
</ggsn-interface-information>
```

**Description** Statistics for a credit control application system

### <ccas-statistics>

#### Usage

```
<ggsn-statistics>
  <sbcc-statistics-information>
    <ccas-information>
      <ccas-statistics>
        <ccas-identifier>
          ccas-identifier
        </ccas-identifier>
        <ccas-start-request>
          ccas-start-request
        </ccas-start-request>
        <ccas-start-request-failed>
          ccas-start-request-failed
        </ccas-start-request-failed>
        <ccas-update-request>
          ccas-update-request
        </ccas-update-request>
        <ccas-update-request-failed>
          ccas-update-request-failed
        </ccas-update-request-failed>
        <ccas-stop-request>
          ccas-stop-request
        </ccas-stop-request>
        <ccas-stop-request-failed>
```



```

    ccas-stop-request-failed
  </ccas-stop-request-failed>
  <ccas-user-service-denied>
    ccas-user-service-denied
  </ccas-user-service-denied>
  <ccas-user-unknown>
    ccas-user-unknown
  </ccas-user-unknown>
  <ccas-authorization-failure>
    ccas-authorization-failure
  </ccas-authorization-failure>
  <ccas-cc-not-applicable>
    ccas-cc-not-applicable
  </ccas-cc-not-applicable>
</ccas-statistics>
</ccas-information>
</sbcc-statistics-information>
</ggsn-statistics>

```

**Description** Statistics for a credit control application system

## <ccas-statistics>

### Usage

```

<apn-statistics-information>
<sbcc-statistics-information>
  <ccas-information>
    <ccas-statistics>
      <ccas-identifier>
        ccas-identifier
      </ccas-identifier>
      <ccas-start-request>
        ccas-start-request
      </ccas-start-request>
      <ccas-start-request-failed>
        ccas-start-request-failed
      </ccas-start-request-failed>
      <ccas-update-request>
        ccas-update-request
      </ccas-update-request>
      <ccas-update-request-failed>
        ccas-update-request-failed
      </ccas-update-request-failed>
      <ccas-stop-request>
        ccas-stop-request
      </ccas-stop-request>
      <ccas-stop-request-failed>
        ccas-stop-request-failed
      </ccas-stop-request-failed>
      <ccas-user-service-denied>
        ccas-user-service-denied
      </ccas-user-service-denied>
      <ccas-user-unknown>
        ccas-user-unknown
    
```

```
</ccas-user-unknown>
<ccas-authorization-failure>
  ccas-authorization-failure
</ccas-authorization-failure>
<ccas-cc-not-applicable>
  ccas-cc-not-applicable
</ccas-cc-not-applicable>
</ccas-statistics>
</ccas-information>
</sbcc-statistics-information>
</apn-statistics-information>
```

**Description** Statistics for a credit control application system

### <ccr-statistics>

#### Usage

```
<service-based-charging-for-gx>
  <ccr-statistics>
    <ccr-identifier>
      ccr-identifier
    </ccr-identifier>
    <authorization-failure>
      authorization-failure
    </authorization-failure>
    <authentication-failure>
      authentication-failure
    </authentication-failure>
    <session-failure>
      session-failure
    </session-failure>
  </ccr-statistics>
</service-based-charging-for-gx>
```

**Description** Statistics for a credit control application system

### <ccr-statistics>

#### Usage

```
<apn-statistics-information>
  <service-based-charging-for-gx>
    <ccr-statistics>
      <ccr-identifier>
        ccr-identifier
      </ccr-identifier>
      <authorization-failure>
        authorization-failure
      </authorization-failure>
      <authentication-failure>
        authentication-failure
      </authentication-failure>
      <session-failure>
```

```
        session-failure
      </session-failure>
    </ccr-statistics>
  </service-based-charging-for-gx>
</apn-statistics-information>
```

**Description** Statistics for a credit control application system

### <charging-statistics-information>

#### Usage

```
<charging-statistics-information>
  <encoded-cdrs>
    encoded-cdrs
  </encoded-cdrs>
  <failed-encoded-cdrs>
    failed-encoded-cdrs
  </failed-encoded-cdrs>
  <generated-ftp-cdrs>
    generated-ftp-cdrs
  </generated-ftp-cdrs>
  <generated-gtpp-cdrs>
    generated-gtpp-cdrs
  </generated-gtpp-cdrs>
  <gtpp-log-cdrs>
    gtpp-log-cdrs
  </gtpp-log-cdrs>
  <gtpp-send-attempted-cdrs>
    gtpp-send-attempted-cdrs
  </gtpp-send-attempted-cdrs>
  <gtpp-send-failed-cdrs>
    gtpp-send-failed-cdrs
  </gtpp-send-failed-cdrs>
</charging-statistics-information>
```

**Description** Charging statistics

### <charging-statistics-information>

#### Usage

```
<ggsn-statistics>
  <charging-statistics-information>
    <encoded-cdrs>
      encoded-cdrs
    </encoded-cdrs>
    <failed-encoded-cdrs>
      failed-encoded-cdrs
    </failed-encoded-cdrs>
    <generated-ftp-cdrs>
      generated-ftp-cdrs
    </generated-ftp-cdrs>
    <generated-gtpp-cdrs>
```

```
generated-gtpp-cdrs
</generated-gtpp-cdrs>
<gtpp-log-cdrs>
  gtpp-log-cdrs
</gtpp-log-cdrs>
<gtpp-send-attempted-cdrs>
  gtpp-send-attempted-cdrs
</gtpp-send-attempted-cdrs>
<gtpp-send-failed-cdrs>
  gtpp-send-failed-cdrs
</gtpp-send-failed-cdrs>
</charging-statistics-information>
</ggsn-statistics>
```

**Description** Charging statistics

## <cpu-info>

### Usage

```
<ggsn-interface>
  <resources>
    <cpu-info>
      <cpu-id>
        cpu-id
      </cpu-id>
      <cpu-load>
        cpu-load
      </cpu-load>
    </cpu-info>
  </resources>
</ggsn-interface>
```

**Description** CPU usage

## <cpu-info>

### Usage

```
<ggsn-interface-information>
  <ggsn-interface>
    <resources>
      <cpu-info>
        <cpu-id>
          cpu-id
        </cpu-id>
        <cpu-load>
          cpu-load
        </cpu-load>
      </cpu-info>
    </resources>
  </ggsn-interface>
</ggsn-interface-information>
```

**Description** CPU usage

### <das-information>

#### Usage

```
<das-information>
  <das-statistics>....</das-statistics>
</das-information>
```

**Description** Information about diameter application systems

### <das-information>

#### Usage

```
<sbcc-statistics-information>
  <das-information>
    <das-statistics>....</das-statistics>
  </das-information>
</sbcc-statistics-information>
```

**Description** Information about diameter application systems

### <das-information>

#### Usage

```
<ggsn-interface>
  <sbcc-statistics-information>
    <das-information>
      <das-statistics>....</das-statistics>
    </das-information>
  </sbcc-statistics-information>
</ggsn-interface>
```

**Description** Information about diameter application systems

### <das-information>

#### Usage

```
<ggsn-interface-information>
  <ggsn-interface>
    <sbcc-statistics-information>
      <das-information>
        <das-statistics>....</das-statistics>
      </das-information>
    </sbcc-statistics-information>
  </ggsn-interface>
</ggsn-interface-information>
```

**Description** Information about diameter application systems

### <das-information>

**Usage**

```
<ggsn-statistics>
  <sbcc-statistics-information>
    <das-information>
      <das-statistics>....</das-statistics>
    </das-information>
  </sbcc-statistics-information>
</ggsn-statistics>
```

**Description** Information about diameter application systems

### <das-information>

**Usage**

```
<apn-statistics-information>
  <sbcc-statistics-information>
    <das-information>
      <das-statistics>....</das-statistics>
    </das-information>
  </sbcc-statistics-information>
</apn-statistics-information>
```

**Description** Information about diameter application systems

### <das-statistics>

**Usage**

```
<das-information>
  <das-statistics>
    <das-identifier>
      das-identifier
    </das-identifier>
    <request>
      request
    </request>
  </das-statistics>
</das-information>
```

**Description** Statistics for a diameter application system

### <das-statistics>

**Usage**

```
<sbcc-statistics-information>
  <das-information>
    <das-statistics>
      <das-identifier>
        das-identifier
      </das-identifier>
    </das-statistics>
  </das-information>
```

```

    </das-identifier>
    <request>
      request
    </request>
  </das-statistics>
</das-information>
</sbcc-statistics-information>

```

**Description** Statistics for a diameter application system

### <das-statistics>

#### Usage

```

<ggsn-interface>
  <sbcc-statistics-information>
    <das-information>
      <das-statistics>
        <das-identifier>
          das-identifier
        </das-identifier>
        <request>
          request
        </request>
      </das-statistics>
    </das-information>
  </sbcc-statistics-information>
</ggsn-interface>

```

**Description** Statistics for a diameter application system

### <das-statistics>

#### Usage

```

<ggsn-interface-information>
  <ggsn-interface>
    <sbcc-statistics-information>
      <das-information>
        <das-statistics>
          <das-identifier>
            das-identifier
          </das-identifier>
          <request>
            request
          </request>
        </das-statistics>
      </das-information>
    </sbcc-statistics-information>
  </ggsn-interface>
</ggsn-interface-information>

```

**Description** Statistics for a diameter application system

## <das-statistics>

### Usage

```
<ggsn-statistics>
  <sbcc-statistics-information>
    <das-information>
      <das-statistics>
        <das-identifier>
          das-identifier
        </das-identifier>
        <request>
          request
        </request>
      </das-statistics>
    </das-information>
  </sbcc-statistics-information>
</ggsn-statistics>
```

**Description** Statistics for a diameter application system

## <das-statistics>

### Usage

```
<apn-statistics-information>
  <sbcc-statistics-information>
    <das-information>
      <das-statistics>
        <das-identifier>
          das-identifier
        </das-identifier>
        <request>
          request
        </request>
      </das-statistics>
    </das-information>
  </sbcc-statistics-information>
</apn-statistics-information>
```

**Description** Statistics for a diameter application system

## <data-record-transfer-statistics>

### Usage

```
<data-record-transfer-statistics>
  <request-transmitted>
    request-transmitted
  </request-transmitted>
  <response-received>
    response-received
  </response-received>
  <request-accepted>
    request-accepted
```



```

</request-accepted>
<error-no-resources>
  error-no-resources
</error-no-resources>
<error-service-unsupported>
  error-service-unsupported
</error-service-unsupported>
<error-system-failure>
  error-system-failure
</error-system-failure>
<error-invalid-request-format>
  error-invalid-request-format
</error-invalid-request-format>
<error-version-unsupported>
  error-version-unsupported
</error-version-unsupported>
<error-request-unfulfilled>
  error-request-unfulfilled
</error-request-unfulfilled>
<error-decoding-error>
  error-decoding-error
</error-decoding-error>
<error-already-fulfilled>
  error-already-fulfilled
</error-already-fulfilled>
<error-duplicate-packet-fulfilled>
  error-duplicate-packet-fulfilled
</error-duplicate-packet-fulfilled>
<send-data-record-packet>
  send-data-record-packet
</send-data-record-packet>
</data-record-transfer-statistics>

```

**Description** GTP Prime data record transfer statistics

### <data-record-transfer-statistics>

#### Usage

```

<gtp-prime-statistics-information>
<gtp-prime-statistics>
  <data-record-transfer-statistics>
    <request-transmitted>
      request-transmitted
    </request-transmitted>
    <response-received>
      response-received
    </response-received>
    <request-accepted>
      request-accepted
    </request-accepted>
    <error-no-resources>
      error-no-resources
    </error-no-resources>
    <error-service-unsupported>

```

```
    error-service-unsupported
  </error-service-unsupported>
  <error-system-failure>
    error-system-failure
  </error-system-failure>
  <error-invalid-request-format>
    error-invalid-request-format
  </error-invalid-request-format>
  <error-version-unsupported>
    error-version-unsupported
  </error-version-unsupported>
  <error-request-unfulfilled>
    error-request-unfulfilled
  </error-request-unfulfilled>
  <error-decoding-error>
    error-decoding-error
  </error-decoding-error>
  <error-already-fulfilled>
    error-already-fulfilled
  </error-already-fulfilled>
  <error-duplicate-packet-fulfilled>
    error-duplicate-packet-fulfilled
  </error-duplicate-packet-fulfilled>
  <send-data-record-packet>
    send-data-record-packet
  </send-data-record-packet>
</data-record-transfer-statistics>
</gtp-prime-statistics>
</gtp-prime-statistics-information>
```

**Description** GTP Prime data record transfer statistics

## <downlink>

### Usage

```
<downlink>
  <packets>
    packets
  </packets>
  <packets-ipv6>
    packets-ipv6
  </packets-ipv6>
  <bytes>
    bytes
  </bytes>
  <bytes-ipv6>
    bytes-ipv6
  </bytes-ipv6>
  <dropped-packets>
    dropped-packets
  </dropped-packets>
  <dropped-packets-ipv6>
    dropped-packets-ipv6
  </dropped-packets-ipv6>
```

```

<dropped-bytes>
  dropped-bytes
</dropped-bytes>
<dropped-bytes-ipv6>
  dropped-bytes-ipv6
</dropped-bytes-ipv6>
</downlink>

```

**Description** Link traffic in the downlink direction

## <downlink>

### Usage

```

<ggsn-statistics>
  <downlink>
    <packets>
      packets
    </packets>
    <packets-ipv6>
      packets-ipv6
    </packets-ipv6>
    <bytes>
      bytes
    </bytes>
    <bytes-ipv6>
      bytes-ipv6
    </bytes-ipv6>
    <dropped-packets>
      dropped-packets
    </dropped-packets>
    <dropped-packets-ipv6>
      dropped-packets-ipv6
    </dropped-packets-ipv6>
    <dropped-bytes>
      dropped-bytes
    </dropped-bytes>
    <dropped-bytes-ipv6>
      dropped-bytes-ipv6
    </dropped-bytes-ipv6>
  </downlink>
</ggsn-statistics>

```

**Description** Link traffic in the downlink direction

## <downlink>

### Usage

```

<apn-statistics-information>
  <apn-statistics>
    <downlink>
      <packets>
        packets
      </packets>
    </downlink>
  </apn-statistics>
</apn-statistics-information>

```

```
</packets>
<packets-ipv6>
  packets-ipv6
</packets-ipv6>
<bytes>
  bytes
</bytes>
<bytes-ipv6>
  bytes-ipv6
</bytes-ipv6>
<dropped-packets>
  dropped-packets
</dropped-packets>
<dropped-packets-ipv6>
  dropped-packets-ipv6
</dropped-packets-ipv6>
<dropped-bytes>
  dropped-bytes
</dropped-bytes>
<dropped-bytes-ipv6>
  dropped-bytes-ipv6
</dropped-bytes-ipv6>
</downlink>
</apn-statistics>
</apn-statistics-information>
```

**Description** Link traffic in the downlink direction

## <downlink>

### Usage

```
<sgsn-statistics-information>
<sgsn-statistics>
  <downlink>
    <packets>
      packets
    </packets>
    <packets-ipv6>
      packets-ipv6
    </packets-ipv6>
    <bytes>
      bytes
    </bytes>
    <bytes-ipv6>
      bytes-ipv6
    </bytes-ipv6>
    <dropped-packets>
      dropped-packets
    </dropped-packets>
    <dropped-packets-ipv6>
      dropped-packets-ipv6
    </dropped-packets-ipv6>
    <dropped-bytes>
      dropped-bytes
```

```

</dropped-bytes>
<dropped-bytes-ipv6>
  dropped-bytes-ipv6
</dropped-bytes-ipv6>
</downlink>
</sgsn-statistics>
</sgsn-statistics-information>

```

**Description** Link traffic in the downlink direction

### <echo-request-statistics>

#### Usage

```

<echo-request-statistics>
  <request-received>
    request-received
  </request-received>
  <request-transmitted>
    request-transmitted
  </request-transmitted>
  <response-received>
    response-received
  </response-received>
  <response-transmitted>
    response-transmitted
  </response-transmitted>
</echo-request-statistics>

```

**Description** Echo request information

### <echo-request-statistics>

#### Usage

```

<gtp-statistics-information>
  <gtp-statistics>
    <echo-request-statistics>
      <request-received>
        request-received
      </request-received>
      <request-transmitted>
        request-transmitted
      </request-transmitted>
      <response-received>
        response-received
      </response-received>
      <response-transmitted>
        response-transmitted
      </response-transmitted>
    </echo-request-statistics>
  </gtp-statistics>
</gtp-statistics-information>

```

**Description** Echo request information

### <echo-request-statistics>

#### Usage

```
<gtp-prime-statistics-information>
  <gtp-prime-statistics>
    <echo-request-statistics>
      <request-received>
        request-received
      </request-received>
      <request-transmitted>
        request-transmitted
      </request-transmitted>
      <response-received>
        response-received
      </response-received>
      <response-transmitted>
        response-transmitted
      </response-transmitted>
    </echo-request-statistics>
  </gtp-prime-statistics>
</gtp-prime-statistics-information>
```

**Description** Echo request information

### <ggsn-interface>

#### Usage

```
<ggsn-interface>
  <service-interface>
    service-interface
  </service-interface>
  <weighted-pdp-context-load-in-payload>
    weighted-pdp-context-load-in-payload
  </weighted-pdp-context-load-in-payload>
  <weighted-pdp-context-load-in-control>
    weighted-pdp-context-load-in-control
  </weighted-pdp-context-load-in-control>
  <external-address>
    external-address
  </external-address>
  <internal-address>
    internal-address
  </internal-address>
  <operating-function>
    operating-function
  </operating-function>
  <hardware-version>
    hardware-version
  </hardware-version>
  <software-version>
    software-version
```

```

</software-version>
<pdp>....</pdp>
<resources>....</resources>
<tft-statistics>....</tft-statistics>
<time-started>
  time-started
</time-started>
<sbcc-statistics-information>....</sbcc-statistics-information>
</ggsn-interface>

```

**Description** Information about GGSN-C and GGSN-U service interfaces

### <ggsn-interface>

#### Usage

```

<ggsn-interface-information>
<ggsn-interface>
  <service-interface>
    service-interface
  </service-interface>
  <weighted-pdp-context-load-in-payload>
    weighted-pdp-context-load-in-payload
  </weighted-pdp-context-load-in-payload>
  <weighted-pdp-context-load-in-control>
    weighted-pdp-context-load-in-control
  </weighted-pdp-context-load-in-control>
  <external-address>
    external-address
  </external-address>
  <internal-address>
    internal-address
  </internal-address>
  <operating-function>
    operating-function
  </operating-function>
  <hardware-version>
    hardware-version
  </hardware-version>
  <software-version>
    software-version
  </software-version>
  <pdp>....</pdp>
  <resources>....</resources>
  <tft-statistics>....</tft-statistics>
  <time-started>
    time-started
  </time-started>
  <sbcc-statistics-information>....</sbcc-statistics-information>
</ggsn-interface>
</ggsn-interface-information>

```

**Description** Information about GGSN-C and GGSN-U service interfaces

### <ggsn-interface-information>

#### Usage

```
<ggsn-interface-information>
  <ggsn-interface>....</ggsn-interface>
</ggsn-interface-information>
```

**Description** GGSN PIC information

### <ggsn-pdp-per-user-category>

#### Usage

```
<ggsn-pdp-per-user-category>
  <user-category-line>....</user-category-line>
</ggsn-pdp-per-user-category>
```

**Description** Active PDP per user category

### <ggsn-pdp-per-user-category>

#### Usage

```
<apn-statistics-information>
  <apn-statistics>
    <ggsn-pdp-per-user-category>
      <user-category-line>....</user-category-line>
    </ggsn-pdp-per-user-category>
  </apn-statistics>
</apn-statistics-information>
```

**Description** Active PDP per user category

### <ggsn-statistics>

#### Usage

```
<ggsn-statistics>
  <time-started>
    time-started
  </time-started>
  <time-sampled>
    time-sampled
  </time-sampled>
  <pdp-context-statistics>....</pdp-context-statistics>

  <interface-pdp-context-statistics-information>....</interface-pdp-context-statistics-information>

  <subscriber-count>
    subscriber-count
  </subscriber-count>
  <uplink>....</uplink>
  <downlink>....</downlink>
```



```

<tft-filter-count>
  tft-filter-count
</tft-filter-count>
<wlan-pdp-context-activation-procedures>
  wlan-pdp-context-activation-procedures
</wlan-pdp-context-activation-procedures>
<wlan-processed-uplink-bytes>
  wlan-processed-uplink-bytes
</wlan-processed-uplink-bytes>
<wlan-dropped-uplink-packets>
  wlan-dropped-uplink-packets
</wlan-dropped-uplink-packets>
<wlan-processed-uplink-packets>
  wlan-processed-uplink-packets
</wlan-processed-uplink-packets>
<wlan-completed-pdp-context-activations>
  wlan-completed-pdp-context-activations
</wlan-completed-pdp-context-activations>
<wlan-active-pdp-contexts>
  wlan-active-pdp-contexts
</wlan-active-pdp-contexts>
<wlan-processed-downlink-bytes>
  wlan-processed-downlink-bytes
</wlan-processed-downlink-bytes>
<wlan-dropped-downlink-packets>
  wlan-dropped-downlink-packets
</wlan-dropped-downlink-packets>
<wlan-processed-downlink-packets>
  wlan-processed-downlink-packets
</wlan-processed-downlink-packets>
<weighted-pdp-context-load>....</weighted-pdp-context-load>
<sbcc-statistics-information>....</sbcc-statistics-information>
<charging-statistics-information>....</charging-statistics-information>
<radius-statistics-information>....</radius-statistics-information>
</ggsn-statistics>

```

**Description** Global statistics for the GGSN node

## <gtp-error-statistics>

### Usage

```

<gtp-error-statistics>
<request-accepted>
  request-accepted
</request-accepted>
<error-indication-received>
  error-indication-received
</error-indication-received>
<error-indication-transmitted>
  error-indication-transmitted
</error-indication-transmitted>
<error-version-unsupported>
  error-version-unsupported
</error-version-unsupported>

```

```
<error-invalid-request-format>
  error-invalid-request-format
</error-invalid-request-format>
<error-invalid-request-format-when-update>
  error-invalid-request-format-when-update
</error-invalid-request-format-when-update>
<error-invalid-request-format-when-delete>
  error-invalid-request-format-when-delete
</error-invalid-request-format-when-delete>
<error-no-resources>
  error-no-resources
</error-no-resources>
<error-no-dynamic-address-available>
  error-no-dynamic-address-available
</error-no-dynamic-address-available>
<error-no-memory>
  error-no-memory
</error-no-memory>
<error-unknown-apn>
  error-unknown-apn
</error-unknown-apn>
<error-unknown-pdp-address-or-type>
  error-unknown-pdp-address-or-type
</error-unknown-pdp-address-or-type>
<error-authentication-failed>
  error-authentication-failed
</error-authentication-failed>
<error-system-failure>
  error-system-failure
</error-system-failure>
<error-system-failure-when-update>
  error-system-failure-when-update
</error-system-failure-when-update>
<error-tft-error-semantic>
  error-tft-error-semantic
</error-tft-error-semantic>
<error-tft-error-semantic-when-update>
  error-tft-error-semantic-when-update
</error-tft-error-semantic-when-update>
<error-tft-error-syntax>
  error-tft-error-syntax
</error-tft-error-syntax>
<error-tft-error-syntax-when-update>
  error-tft-error-syntax-when-update
</error-tft-error-syntax-when-update>
<error-packet-filter-semantic>
  error-packet-filter-semantic
</error-packet-filter-semantic>
<error-packet-filter-semantic-when-update>
  error-packet-filter-semantic-when-update
</error-packet-filter-semantic-when-update>
<error-packet-filter-syntax>
  error-packet-filter-syntax
</error-packet-filter-syntax>
<error-packet-filter-syntax-when-update>
  error-packet-filter-syntax-when-update
```

```

</error-packet-filter-syntax-when-update>
<error-mandatory-ie-missing>
  error-mandatory-ie-missing
</error-mandatory-ie-missing>
<error-mandatory-ie-missing-when-update>
  error-mandatory-ie-missing-when-update
</error-mandatory-ie-missing-when-update>
<error-mandatory-ie-missing-when-delete>
  error-mandatory-ie-missing-when-delete
</error-mandatory-ie-missing-when-delete>
<error-mandatory-ie-invalid>
  error-mandatory-ie-invalid
</error-mandatory-ie-invalid>
<error-mandatory-ie-invalid-when-update>
  error-mandatory-ie-invalid-when-update
</error-mandatory-ie-invalid-when-update>
<error-mandatory-ie-invalid-when-delete>
  error-mandatory-ie-invalid-when-delete
</error-mandatory-ie-invalid-when-delete>
<error-optional-ie-invalid>
  error-optional-ie-invalid
</error-optional-ie-invalid>
<error-optional-ie-invalid-when-update>
  error-optional-ie-invalid-when-update
</error-optional-ie-invalid-when-update>
<error-optional-ie-invalid-when-delete>
  error-optional-ie-invalid-when-delete
</error-optional-ie-invalid-when-delete>
<error-reference-invalid>
  error-reference-invalid
</error-reference-invalid>
<error-reference-invalid-when-update>
  error-reference-invalid-when-update
</error-reference-invalid-when-update>
<error-reference-invalid-when-delete>
  error-reference-invalid-when-delete
</error-reference-invalid-when-delete>
<error-service-unsupported>
  error-service-unsupported
</error-service-unsupported>
<error-already-activated>
  error-already-activated
</error-already-activated>
<error-access-denied>
  error-access-denied
</error-access-denied>
</gtp-error-statistics>

```

**Description** GTP error statistics

## <gtp-error-statistics>

### Usage

```
<gtp-statistics-information>
```

```
<gtp-statistics>
  <gtp-error-statistics>
    <request-accepted>
      request-accepted
    </request-accepted>
    <error-indication-received>
      error-indication-received
    </error-indication-received>
    <error-indication-transmitted>
      error-indication-transmitted
    </error-indication-transmitted>
    <error-version-unsupported>
      error-version-unsupported
    </error-version-unsupported>
    <error-invalid-request-format>
      error-invalid-request-format
    </error-invalid-request-format>
    <error-invalid-request-format-when-update>
      error-invalid-request-format-when-update
    </error-invalid-request-format-when-update>
    <error-invalid-request-format-when-delete>
      error-invalid-request-format-when-delete
    </error-invalid-request-format-when-delete>
    <error-no-resources>
      error-no-resources
    </error-no-resources>
    <error-no-dynamic-address-available>
      error-no-dynamic-address-available
    </error-no-dynamic-address-available>
    <error-no-memory>
      error-no-memory
    </error-no-memory>
    <error-unknown-apn>
      error-unknown-apn
    </error-unknown-apn>
    <error-unknown-pdp-address-or-type>
      error-unknown-pdp-address-or-type
    </error-unknown-pdp-address-or-type>
    <error-authentication-failed>
      error-authentication-failed
    </error-authentication-failed>
    <error-system-failure>
      error-system-failure
    </error-system-failure>
    <error-system-failure-when-update>
      error-system-failure-when-update
    </error-system-failure-when-update>
    <error-tft-error-semantic>
      error-tft-error-semantic
    </error-tft-error-semantic>
    <error-tft-error-semantic-when-update>
      error-tft-error-semantic-when-update
    </error-tft-error-semantic-when-update>
    <error-tft-error-syntax>
      error-tft-error-syntax
    </error-tft-error-syntax>
```

```
<error-tft-error-syntax-when-update>
  error-tft-error-syntax-when-update
</error-tft-error-syntax-when-update>
<error-packet-filter-semantic>
  error-packet-filter-semantic
</error-packet-filter-semantic>
<error-packet-filter-semantic-when-update>
  error-packet-filter-semantic-when-update
</error-packet-filter-semantic-when-update>
<error-packet-filter-syntax>
  error-packet-filter-syntax
</error-packet-filter-syntax>
<error-packet-filter-syntax-when-update>
  error-packet-filter-syntax-when-update
</error-packet-filter-syntax-when-update>
<error-mandatory-ie-missing>
  error-mandatory-ie-missing
</error-mandatory-ie-missing>
<error-mandatory-ie-missing-when-update>
  error-mandatory-ie-missing-when-update
</error-mandatory-ie-missing-when-update>
<error-mandatory-ie-missing-when-delete>
  error-mandatory-ie-missing-when-delete
</error-mandatory-ie-missing-when-delete>
<error-mandatory-ie-invalid>
  error-mandatory-ie-invalid
</error-mandatory-ie-invalid>
<error-mandatory-ie-invalid-when-update>
  error-mandatory-ie-invalid-when-update
</error-mandatory-ie-invalid-when-update>
<error-mandatory-ie-invalid-when-delete>
  error-mandatory-ie-invalid-when-delete
</error-mandatory-ie-invalid-when-delete>
<error-optional-ie-invalid>
  error-optional-ie-invalid
</error-optional-ie-invalid>
<error-optional-ie-invalid-when-update>
  error-optional-ie-invalid-when-update
</error-optional-ie-invalid-when-update>
<error-optional-ie-invalid-when-delete>
  error-optional-ie-invalid-when-delete
</error-optional-ie-invalid-when-delete>
<error-reference-invalid>
  error-reference-invalid
</error-reference-invalid>
<error-reference-invalid-when-update>
  error-reference-invalid-when-update
</error-reference-invalid-when-update>
<error-reference-invalid-when-delete>
  error-reference-invalid-when-delete
</error-reference-invalid-when-delete>
<error-service-unsupported>
  error-service-unsupported
</error-service-unsupported>
<error-already-activated>
  error-already-activated
```

```
</error-already-activated>
<error-access-denied>
  error-access-denied
</error-access-denied>
</gtp-error-statistics>
</gtp-statistics>
</gtp-statistics-information>
```

**Description** GTP error statistics

### <gtp-error-statistics>

#### Usage

```
<apn-statistics-information>
<apn-statistics>
  <gtp-error-statistics>
    <request-accepted>
      request-accepted
    </request-accepted>
    <error-indication-received>
      error-indication-received
    </error-indication-received>
    <error-indication-transmitted>
      error-indication-transmitted
    </error-indication-transmitted>
    <error-version-unsupported>
      error-version-unsupported
    </error-version-unsupported>
    <error-invalid-request-format>
      error-invalid-request-format
    </error-invalid-request-format>
    <error-invalid-request-format-when-update>
      error-invalid-request-format-when-update
    </error-invalid-request-format-when-update>
    <error-invalid-request-format-when-delete>
      error-invalid-request-format-when-delete
    </error-invalid-request-format-when-delete>
    <error-no-resources>
      error-no-resources
    </error-no-resources>
    <error-no-dynamic-address-available>
      error-no-dynamic-address-available
    </error-no-dynamic-address-available>
    <error-no-memory>
      error-no-memory
    </error-no-memory>
    <error-unknown-apn>
      error-unknown-apn
    </error-unknown-apn>
    <error-unknown-pdp-address-or-type>
      error-unknown-pdp-address-or-type
    </error-unknown-pdp-address-or-type>
    <error-authentication-failed>
      error-authentication-failed
```

```
</error-authentication-failed>
<error-system-failure>
  error-system-failure
</error-system-failure>
<error-system-failure-when-update>
  error-system-failure-when-update
</error-system-failure-when-update>
<error-tft-error-semantic>
  error-tft-error-semantic
</error-tft-error-semantic>
<error-tft-error-semantic-when-update>
  error-tft-error-semantic-when-update
</error-tft-error-semantic-when-update>
<error-tft-error-syntax>
  error-tft-error-syntax
</error-tft-error-syntax>
<error-tft-error-syntax-when-update>
  error-tft-error-syntax-when-update
</error-tft-error-syntax-when-update>
<error-packet-filter-semantic>
  error-packet-filter-semantic
</error-packet-filter-semantic>
<error-packet-filter-semantic-when-update>
  error-packet-filter-semantic-when-update
</error-packet-filter-semantic-when-update>
<error-packet-filter-syntax>
  error-packet-filter-syntax
</error-packet-filter-syntax>
<error-packet-filter-syntax-when-update>
  error-packet-filter-syntax-when-update
</error-packet-filter-syntax-when-update>
<error-mandatory-ie-missing>
  error-mandatory-ie-missing
</error-mandatory-ie-missing>
<error-mandatory-ie-missing-when-update>
  error-mandatory-ie-missing-when-update
</error-mandatory-ie-missing-when-update>
<error-mandatory-ie-missing-when-delete>
  error-mandatory-ie-missing-when-delete
</error-mandatory-ie-missing-when-delete>
<error-mandatory-ie-invalid>
  error-mandatory-ie-invalid
</error-mandatory-ie-invalid>
<error-mandatory-ie-invalid-when-update>
  error-mandatory-ie-invalid-when-update
</error-mandatory-ie-invalid-when-update>
<error-mandatory-ie-invalid-when-delete>
  error-mandatory-ie-invalid-when-delete
</error-mandatory-ie-invalid-when-delete>
<error-optional-ie-invalid>
  error-optional-ie-invalid
</error-optional-ie-invalid>
<error-optional-ie-invalid-when-update>
  error-optional-ie-invalid-when-update
</error-optional-ie-invalid-when-update>
<error-optional-ie-invalid-when-delete>
```

```
    error-optional-ie-invalid-when-delete
  </error-optional-ie-invalid-when-delete>
  <error-reference-invalid>
    error-reference-invalid
  </error-reference-invalid>
  <error-reference-invalid-when-update>
    error-reference-invalid-when-update
  </error-reference-invalid-when-update>
  <error-reference-invalid-when-delete>
    error-reference-invalid-when-delete
  </error-reference-invalid-when-delete>
  <error-service-unsupported>
    error-service-unsupported
  </error-service-unsupported>
  <error-already-activated>
    error-already-activated
  </error-already-activated>
  <error-access-denied>
    error-access-denied
  </error-access-denied>
</gtp-error-statistics>
</apn-statistics>
</apn-statistics-information>
```

**Description** GTP error statistics

### <gtp-error-statistics>

#### Usage

```
<sgsn-statistics-information>
  <sgsn-statistics>
    <gtp-error-statistics>
      <request-accepted>
        request-accepted
      </request-accepted>
      <error-indication-received>
        error-indication-received
      </error-indication-received>
      <error-indication-transmitted>
        error-indication-transmitted
      </error-indication-transmitted>
      <error-version-unsupported>
        error-version-unsupported
      </error-version-unsupported>
      <error-invalid-request-format>
        error-invalid-request-format
      </error-invalid-request-format>
      <error-invalid-request-format-when-update>
        error-invalid-request-format-when-update
      </error-invalid-request-format-when-update>
      <error-invalid-request-format-when-delete>
        error-invalid-request-format-when-delete
      </error-invalid-request-format-when-delete>
      <error-no-resources>
```



```
    error-no-resources
  </error-no-resources>
  <error-no-dynamic-address-available>
    error-no-dynamic-address-available
  </error-no-dynamic-address-available>
  <error-no-memory>
    error-no-memory
  </error-no-memory>
  <error-unknown-apn>
    error-unknown-apn
  </error-unknown-apn>
  <error-unknown-pdp-address-or-type>
    error-unknown-pdp-address-or-type
  </error-unknown-pdp-address-or-type>
  <error-authentication-failed>
    error-authentication-failed
  </error-authentication-failed>
  <error-system-failure>
    error-system-failure
  </error-system-failure>
  <error-system-failure-when-update>
    error-system-failure-when-update
  </error-system-failure-when-update>
  <error-tft-error-semantic>
    error-tft-error-semantic
  </error-tft-error-semantic>
  <error-tft-error-semantic-when-update>
    error-tft-error-semantic-when-update
  </error-tft-error-semantic-when-update>
  <error-tft-error-syntax>
    error-tft-error-syntax
  </error-tft-error-syntax>
  <error-tft-error-syntax-when-update>
    error-tft-error-syntax-when-update
  </error-tft-error-syntax-when-update>
  <error-packet-filter-semantic>
    error-packet-filter-semantic
  </error-packet-filter-semantic>
  <error-packet-filter-semantic-when-update>
    error-packet-filter-semantic-when-update
  </error-packet-filter-semantic-when-update>
  <error-packet-filter-syntax>
    error-packet-filter-syntax
  </error-packet-filter-syntax>
  <error-packet-filter-syntax-when-update>
    error-packet-filter-syntax-when-update
  </error-packet-filter-syntax-when-update>
  <error-mandatory-ie-missing>
    error-mandatory-ie-missing
  </error-mandatory-ie-missing>
  <error-mandatory-ie-missing-when-update>
    error-mandatory-ie-missing-when-update
  </error-mandatory-ie-missing-when-update>
  <error-mandatory-ie-missing-when-delete>
    error-mandatory-ie-missing-when-delete
  </error-mandatory-ie-missing-when-delete>
```

```
<error-mandatory-ie-invalid>
  error-mandatory-ie-invalid
</error-mandatory-ie-invalid>
<error-mandatory-ie-invalid-when-update>
  error-mandatory-ie-invalid-when-update
</error-mandatory-ie-invalid-when-update>
<error-mandatory-ie-invalid-when-delete>
  error-mandatory-ie-invalid-when-delete
</error-mandatory-ie-invalid-when-delete>
<error-optional-ie-invalid>
  error-optional-ie-invalid
</error-optional-ie-invalid>
<error-optional-ie-invalid-when-update>
  error-optional-ie-invalid-when-update
</error-optional-ie-invalid-when-update>
<error-optional-ie-invalid-when-delete>
  error-optional-ie-invalid-when-delete
</error-optional-ie-invalid-when-delete>
<error-reference-invalid>
  error-reference-invalid
</error-reference-invalid>
<error-reference-invalid-when-update>
  error-reference-invalid-when-update
</error-reference-invalid-when-update>
<error-reference-invalid-when-delete>
  error-reference-invalid-when-delete
</error-reference-invalid-when-delete>
<error-service-unsupported>
  error-service-unsupported
</error-service-unsupported>
<error-already-activated>
  error-already-activated
</error-already-activated>
<error-access-denied>
  error-access-denied
</error-access-denied>
</gtp-error-statistics>
</sgsn-statistics>
</sgsn-statistics-information>
```

**Description**    GTP error statistics

### <gtp-prime-error-statistics>

#### Usage

```
<gtp-prime-error-statistics>
  <error-mandatory-ie-missing>
    error-mandatory-ie-missing
  </error-mandatory-ie-missing>
  <error-mandatory-ie-invalid>
    error-mandatory-ie-invalid
  </error-mandatory-ie-invalid>
  <error-optional-ie-invalid>
    error-optional-ie-invalid
```

```

</error-optional-ie-invalid>
<error-reference-invalid>
  error-reference-invalid
</error-reference-invalid>
</gtp-prime-error-statistics>

```

**Description** GTP Prime error statistics

### <gtp-prime-error-statistics>

#### Usage

```

<gtp-prime-statistics-information>
<gtp-prime-statistics>
  <gtp-prime-error-statistics>
    <error-mandatory-ie-missing>
      error-mandatory-ie-missing
    </error-mandatory-ie-missing>
    <error-mandatory-ie-invalid>
      error-mandatory-ie-invalid
    </error-mandatory-ie-invalid>
    <error-optional-ie-invalid>
      error-optional-ie-invalid
    </error-optional-ie-invalid>
    <error-reference-invalid>
      error-reference-invalid
    </error-reference-invalid>
  </gtp-prime-error-statistics>
</gtp-prime-statistics>
</gtp-prime-statistics-information>

```

**Description** GTP Prime error statistics

### <gtp-prime-statistics>

#### Usage

```

<gtp-prime-statistics-information>
<gtp-prime-statistics>
  <service-interface>
    service-interface
  </service-interface>
  <echo-request-statistics>....</echo-request-statistics>
  <version-unsupported-statistics>....</version-unsupported-statistics>
  <node-alive-request-statistics>....</node-alive-request-statistics>
  <redirection-request-statistics>....</redirection-request-statistics>
  <data-record-transfer-statistics>....</data-record-transfer-statistics>
  <gtp-prime-error-statistics>....</gtp-prime-error-statistics>
</gtp-prime-statistics>
</gtp-prime-statistics-information>

```

**Description** GTP Prime statistics information

## <gtp-prime-statistics-information>

### Usage

```
<gtp-prime-statistics-information>  
  <billing-gateway>....</billing-gateway>  
  <gtp-prime-statistics>....</gtp-prime-statistics>  
</gtp-prime-statistics-information>
```

**Description** GTP Prime statistics information

## <gtp-statistics>

### Usage

```
<gtp-statistics-information>  
  <gtp-statistics>  
    <service-interface>  
      service-interface  
    </service-interface>  
    <uplink-packets>  
      uplink-packets  
    </uplink-packets>  
    <uplink-bytes>  
      uplink-bytes  
    </uplink-bytes>  
    <downlink-packets>  
      downlink-packets  
    </downlink-packets>  
    <downlink-bytes>  
      downlink-bytes  
    </downlink-bytes>  
    <dropped-packets>  
      dropped-packets  
    </dropped-packets>  
    <active-tunnels>  
      active-tunnels  
    </active-tunnels>  
    <created-tunnels>  
      created-tunnels  
    </created-tunnels>  
    <echo-request-statistics>....</echo-request-statistics>  
    <version-unsupported-statistics>....</version-unsupported-statistics>  
    <pdp-request-statistics>....</pdp-request-statistics>  
    <gtp-error-statistics>....</gtp-error-statistics>  
  </gtp-statistics>  
</gtp-statistics-information>
```

**Description** GTP statistics information

## <gtp-statistics-information>

### Usage

```
<gtp-statistics-information>
```

```

    <gtp-statistics>....</gtp-statistics>
  </gtp-statistics-information>

```

**Description** GTP statistics information

**<incoming>**

**Usage**

```

    <signalling>
      <incoming>
        <packets>
          packets
        </packets>
        <bytes>
          bytes
        </bytes>
      </incoming>
    </signalling>

```

**Description**

**<incoming>**

**Usage**

```

    <apn-statistics-information>
      <apn-statistics>
        <signalling>
          <incoming>
            <packets>
              packets
            </packets>
            <bytes>
              bytes
            </bytes>
          </incoming>
        </signalling>
      </apn-statistics>
    </apn-statistics-information>

```

**Description**

**<inspection-information>**

**Usage**

```

    <inspection-information>
      <packet-inspection>
        packet-inspection
      </packet-inspection>
    </inspection-information>

```

**Description** Packet inspection related information

## <interface-action-results>

### Usage

```
<interface-action-results>
  <interface-action>
    interface-action
  </interface-action>
  <service-interface>
    service-interface
  </service-interface>
  <daemon-name>
    daemon-name
  </daemon-name>
</interface-action-results>
```

**Description** Results of an interface action

## <interface-pdp-context-deletion>

### Usage

```
<apn-pdp-context-deletion-results>
  <interface-pdp-context-deletion-information>
    <interface-pdp-context-deletion>
      <pdp-deleted>
        pdp-deleted
      </pdp-deleted>
      <service-interface>
        service-interface
      </service-interface>
    </interface-pdp-context-deletion>
  </interface-pdp-context-deletion-information>
</apn-pdp-context-deletion-results>
```

### Description

## <interface-pdp-context-deletion-information>

### Usage

```
<apn-pdp-context-deletion-results>
  <interface-pdp-context-deletion-information>
    <interface-pdp-context-deletion>....</interface-pdp-context-deletion>
  </interface-pdp-context-deletion-information>
</apn-pdp-context-deletion-results>
```

**Description** Information about PDP context deletion on a per-interface basis

## <interface-pdp-context-statistics>

### Usage

```
<interface-pdp-context-statistics>
  <service-interface>
```

```

    service-interface
  </service-interface>
  <pdp-context-statistics>....</pdp-context-statistics>
</interface-pdp-context-statistics>

```

**Description** Interface-level PDP context statistics

### <interface-pdp-context-statistics>

#### Usage

```

<ggsn-statistics>
  <interface-pdp-context-statistics-information>
    <interface-pdp-context-statistics>
      <service-interface>
        service-interface
      </service-interface>
      <pdp-context-statistics>....</pdp-context-statistics>
    </interface-pdp-context-statistics>
  </interface-pdp-context-statistics-information>
</ggsn-statistics>

```

**Description** Interface-level PDP context statistics

### <interface-pdp-context-statistics-information>

#### Usage

```

<ggsn-statistics>
  <interface-pdp-context-statistics-information>
    <interface-pdp-context-statistics>....</interface-pdp-context-statistics>
  </interface-pdp-context-statistics-information>
</ggsn-statistics>

```

**Description**

### <l2tp-tunnel-packet-statistics>

#### Usage

```

<l2tp-tunnel-packet-statistics>
  <control-tx-packets>
    control-tx-packets
  </control-tx-packets>
  <control-rx-packets>
    control-rx-packets
  </control-rx-packets>
  <data-tx-packets>
    data-tx-packets
  </data-tx-packets>
  <data-rx-packets>
    data-rx-packets
  </data-rx-packets>
  <discard-tx-packets>

```

```
        discard-tx-packets
      </discard-tx-packets>
    <discard-rx-packets>
      discard-rx-packets
    </discard-rx-packets>
  </l2tp-tunnel-packet-statistics>
```

**Description** L2TP tunnel statistics

### <l2tp-tunnel-packet-statistics>

#### Usage

```
<l2tp-tunnel-statistics-information>
  <l2tp-tunnel-statistics>
    <l2tp-tunnel-packet-statistics>
      <control-tx-packets>
        control-tx-packets
      </control-tx-packets>
      <control-rx-packets>
        control-rx-packets
      </control-rx-packets>
      <data-tx-packets>
        data-tx-packets
      </data-tx-packets>
      <data-rx-packets>
        data-rx-packets
      </data-rx-packets>
      <discard-tx-packets>
        discard-tx-packets
      </discard-tx-packets>
      <discard-rx-packets>
        discard-rx-packets
      </discard-rx-packets>
    </l2tp-tunnel-packet-statistics>
  </l2tp-tunnel-statistics>
</l2tp-tunnel-statistics-information>
```

**Description** L2TP tunnel statistics

### <l2tp-tunnel-statistics>

#### Usage

```
<l2tp-tunnel-statistics-information>
  <l2tp-tunnel-statistics>
    <local-tid>
      local-tid
    </local-tid>
    <remote-tid>
      remote-tid
    </remote-tid>
    <local-ip>
      local-ip
    </local-ip>
  </l2tp-tunnel-statistics>
</l2tp-tunnel-statistics-information>
```



```

</local-ip>
<remote-ip>
  remote-ip
</remote-ip>
<active-sessions>
  active-sessions
</active-sessions>
<l2tp-tunnel-packet-statistics>....</l2tp-tunnel-packet-statistics>
</l2tp-tunnel-statistics>
</l2tp-tunnel-statistics-information>

```

**Description** L2TP tunnel-statistics for a single tunnel

### <l2tp-tunnel-statistics-information>

#### Usage

```

<l2tp-tunnel-statistics-information>
<l2tp-tunnel-statistics>....</l2tp-tunnel-statistics>
</l2tp-tunnel-statistics-information>

```

**Description** L2TP tunnel-statistics for the GGSN

### <logical-apn-statistics>

#### Usage

```

<logical-apn-statistics-information>
<logical-apn-statistics>
  <name>
    name
  </name>
  <pdp-attempted-activation>
    pdp-attempted-activation
  </pdp-attempted-activation>
  <pdp-blocked>
    pdp-blocked
  </pdp-blocked>
  <default-apn-selected>
    default-apn-selected
  </default-apn-selected>
  <default-apn-invalid>
    default-apn-invalid
  </default-apn-invalid>
  <username-based-apn-selected>
    username-based-apn-selected
  </username-based-apn-selected>
  <username-based-apn-invalid>
    username-based-apn-invalid
  </username-based-apn-invalid>
</logical-apn-statistics>
</logical-apn-statistics-information>

```

**Description** Statistics for a single logical APN

### <logical-apn-statistics-information>

**Usage**

```
<logical-apn-statistics-information>  
  <logical-apn-statistics>....</logical-apn-statistics>  
</logical-apn-statistics-information>
```

**Description** Logical APN statistics for the GGSN

### <mobile-user>

**Usage**

```
<mobile-user-information>  
  <mobile-user>  
    <imsi>  
      imsi  
    </imsi>  
    <msisdn>  
      msisdn  
    </msisdn>  
    <pdp-context-information>....</pdp-context-information>  
  </mobile-user>  
</mobile-user-information>
```

**Description** Information about a mobile user

### <mobile-user>

**Usage**

```
<pdp-context-deletion-results>  
  <mobile-user>  
    <imsi>  
      imsi  
    </imsi>  
    <msisdn>  
      msisdn  
    </msisdn>  
    <pdp-context-information>....</pdp-context-information>  
  </mobile-user>  
</pdp-context-deletion-results>
```

**Description** Information about a mobile user

### <mobile-user-information>

**Usage**

```
<mobile-user-information>  
  <mobile-user>....</mobile-user>
```

</mobile-user-information>

#### Description

### <node-action-results>

#### Usage

```
<node-action-results>
  <node-action>
    node-action
  </node-action>
</node-action-results>
```

**Description** Results of a GGSN node action command

### <node-alive-request-statistics>

#### Usage

```
<node-alive-request-statistics>
  <request-received>
    request-received
  </request-received>
  <request-transmitted>
    request-transmitted
  </request-transmitted>
  <response-received>
    response-received
  </response-received>
  <response-transmitted>
    response-transmitted
  </response-transmitted>
</node-alive-request-statistics>
```

**Description** GTP Prime node alive request statistics

### <node-alive-request-statistics>

#### Usage

```
<gtp-prime-statistics-information>
  <gtp-prime-statistics>
    <node-alive-request-statistics>
      <request-received>
        request-received
      </request-received>
      <request-transmitted>
        request-transmitted
      </request-transmitted>
      <response-received>
        response-received
      </response-received>
      <response-transmitted>
```

```
        response-transmitted
      </response-transmitted>
    </node-alive-request-statistics>
  </gtp-prime-statistics>
</gtp-prime-statistics-information>
```

**Description** GTP Prime node alive request statistics

### <nsapi-information>

#### Usage

```
<call-trace>
  <nsapi-information>
    <nsapi>
      nsapi
    </nsapi>
  </nsapi-information>
</call-trace>
```

**Description** List of NSAPIs associated with user

### <nsapi-information>

#### Usage

```
<call-trace-information>
  <call-trace>
    <nsapi-information>
      <nsapi>
        nsapi
      </nsapi>
    </nsapi-information>
  </call-trace>
</call-trace-information>
```

**Description** List of NSAPIs associated with user

### <outgoing>

#### Usage

```
<signalling>
  <outgoing>
    <packets>
      packets
    </packets>
    <bytes>
      bytes
    </bytes>
  </outgoing>
</signalling>
```

## Description

## &lt;outgoing&gt;

## Usage

```

<apn-statistics-information>
  <apn-statistics>
    <signalling>
      <outgoing>
        <packets>
          packets
        </packets>
        <bytes>
          bytes
        </bytes>
      </outgoing>
    </signalling>
  </apn-statistics>
</apn-statistics-information>

```

## Description

## &lt;packet-filter&gt;

## Usage

```

<packet-filter>
  <evaluation-precedence>
    evaluation-precedence
  </evaluation-precedence>
  <source-address>
    source-address
  </source-address>
  <source-mask>
    source-mask
  </source-mask>
  <source-port-range>
    source-port-range
  </source-port-range>
  <destination-port-range>
    destination-port-range
  </destination-port-range>
  <diffserv-code-point>
    diffserv-code-point
  </diffserv-code-point>
  <flow-label>
    flow-label
  </flow-label>
  <spi>
    spi
  </spi>
  <protocol>
    protocol
  </protocol>
</packet-filter>

```

**Description****<packet-filter>****Usage**

```
<pdp-context>
  <traffic-flow-template-information>
    <traffic-flow-template>
      <packet-filter-information>
        <packet-filter>
          <evaluation-precedence>
            evaluation-precedence
          </evaluation-precedence>
          <source-address>
            source-address
          </source-address>
          <source-mask>
            source-mask
          </source-mask>
          <source-port-range>
            source-port-range
          </source-port-range>
          <destination-port-range>
            destination-port-range
          </destination-port-range>
          <diffserv-code-point>
            diffserv-code-point
          </diffserv-code-point>
          <flow-label>
            flow-label
          </flow-label>
          <spi>
            spi
          </spi>
          <protocol>
            protocol
          </protocol>
        </packet-filter>
      </packet-filter-information>
    </traffic-flow-template>
  </traffic-flow-template-information>
</pdp-context>
```

**Description****<packet-filter>****Usage**

```
<mobile-user-information>
  <mobile-user>
    <pdp-context-information>
      <pdp-context>
        <traffic-flow-template-information>
          <traffic-flow-template>
            <packet-filter-information>
```

```

<packet-filter>
  <evaluation-precedence>
    evaluation-precedence
  </evaluation-precedence>
  <source-address>
    source-address
  </source-address>
  <source-mask>
    source-mask
  </source-mask>
  <source-port-range>
    source-port-range
  </source-port-range>
  <destination-port-range>
    destination-port-range
  </destination-port-range>
  <diffserv-code-point>
    diffserv-code-point
  </diffserv-code-point>
  <flow-label>
    flow-label
  </flow-label>
  <spi>
    spi
  </spi>
  <protocol>
    protocol
  </protocol>
</packet-filter>
</packet-filter-information>
</traffic-flow-template>
</traffic-flow-template-information>
</pdp-context>
</pdp-context-information>
</mobile-user>
</mobile-user-information>

```

## Description

### <packet-filter>

## Usage

```

<pdp-context-deletion-results>
  <mobile-user>
    <pdp-context-information>
      <pdp-context>
        <traffic-flow-template-information>
          <traffic-flow-template>
            <packet-filter-information>
              <packet-filter>
                <evaluation-precedence>
                  evaluation-precedence
                </evaluation-precedence>
                <source-address>
                  source-address

```

```
</source-address>
<source-mask>
  source-mask
</source-mask>
<source-port-range>
  source-port-range
</source-port-range>
<destination-port-range>
  destination-port-range
</destination-port-range>
<diffserv-code-point>
  diffserv-code-point
</diffserv-code-point>
<flow-label>
  flow-label
</flow-label>
<spi>
  spi
</spi>
<protocol>
  protocol
</protocol>
</packet-filter>
</packet-filter-information>
</traffic-flow-template>
</traffic-flow-template-information>
</pdp-context>
</pdp-context-information>
</mobile-user>
</pdp-context-deletion-results>
```

#### Description

### <packet-filter-information>

#### Usage

```
<pdp-context>
<traffic-flow-template-information>
<traffic-flow-template>
  <packet-filter-information>
    <packet-filter>....</packet-filter>
  </packet-filter-information>
</traffic-flow-template>
</traffic-flow-template-information>
</pdp-context>
```

**Description** Filters for this TFT

### <packet-filter-information>

#### Usage

```
<mobile-user-information>
<mobile-user>
```



```

<pdp-context-information>
  <pdp-context>
    <traffic-flow-template-information>
      <traffic-flow-template>
        <packet-filter-information>
          <packet-filter>....</packet-filter>
        </packet-filter-information>
      </traffic-flow-template>
    </traffic-flow-template-information>
  </pdp-context>
</pdp-context-information>
</mobile-user>
</mobile-user-information>

```

**Description** Filters for this TFT

### <packet-filter-information>

#### Usage

```

<pdp-context-deletion-results>
  <mobile-user>
    <pdp-context-information>
      <pdp-context>
        <traffic-flow-template-information>
          <traffic-flow-template>
            <packet-filter-information>
              <packet-filter>....</packet-filter>
            </packet-filter-information>
          </traffic-flow-template>
        </traffic-flow-template-information>
      </pdp-context>
    </pdp-context-information>
  </mobile-user>
</pdp-context-deletion-results>

```

**Description** Filters for this TFT

### <pdp>

#### Usage

```

<ggsn-interface>
  <pdp>
    <pdp-state>
      pdp-state
    </pdp-state>
    <pdp-assigned>
      pdp-assigned
    </pdp-assigned>
    <pdp-capacity>
      pdp-capacity
    </pdp-capacity>
  </pdp>

```

```
</ggsn-interface>
```

**Description** PDP context information

## <pdp>

### Usage

```
<ggsn-interface-information>
  <ggsn-interface>
    <pdp>
      <pdp-state>
        pdp-state
      </pdp-state>
      <pdp-assigned>
        pdp-assigned
      </pdp-assigned>
      <pdp-capacity>
        pdp-capacity
      </pdp-capacity>
    </pdp>
  </ggsn-interface>
</ggsn-interface-information>
```

**Description** PDP context information

## <pdp-context>

### Usage

```
<pdp-context>
  <nsapi>
    nsapi
  </nsapi>
  <nsapi-linked>
    nsapi-linked
  </nsapi-linked>
  <apn-name>
    apn-name
  </apn-name>
  <sgsn-address>
    sgsn-address
  </sgsn-address>
  <address>
    address
  </address>
  <charging-identifier>
    charging-identifier
  </charging-identifier>
  <quality-of-service>....</quality-of-service>
  <traffic-flow-template-information>....</traffic-flow-template-information>
</pdp-context>
```

**Description** Information relating to an MT/MS PDP context

### <pdp-context>

#### Usage

```
<mobile-user-information>
  <mobile-user>
    <pdp-context-information>
      <pdp-context>
        <nsapi>
          nsapi
        </nsapi>
        <nsapi-linked>
          nsapi-linked
        </nsapi-linked>
        <apn-name>
          apn-name
        </apn-name>
        <sgsn-address>
          sgsn-address
        </sgsn-address>
        <address>
          address
        </address>
        <charging-identifier>
          charging-identifier
        </charging-identifier>
        <quality-of-service>....</quality-of-service>
        <traffic-flow-template-information>....</traffic-flow-template-information>

      </pdp-context>
    </pdp-context-information>
  </mobile-user>
</mobile-user-information>
```

**Description** Information relating to an MT/MS PDP context

### <pdp-context>

#### Usage

```
<pdp-context-deletion-results>
  <mobile-user>
    <pdp-context-information>
      <pdp-context>
        <nsapi>
          nsapi
        </nsapi>
        <nsapi-linked>
          nsapi-linked
        </nsapi-linked>
        <apn-name>
          apn-name
        </apn-name>
```

```
<sgsn-address>
  sgsn-address
</sgsn-address>
<address>
  address
</address>
<charging-identifier>
  charging-identifier
</charging-identifier>
<quality-of-service>....</quality-of-service>
<traffic-flow-template-information>....</traffic-flow-template-information>

</pdp-context>
</pdp-context-information>
</mobile-user>
</pdp-context-deletion-results>
```

**Description** Information relating to an MT/MS PDP context

### <pdp-context-deletion-results>

#### Usage

```
<pdp-context-deletion-results>
  <mobile-user>....</mobile-user>
</pdp-context-deletion-results>
```

**Description** Results for a single PDP context deletion command

### <pdp-context-information>

#### Usage

```
<mobile-user-information>
  <mobile-user>
    <pdp-context-information>
      <pdp-context>....</pdp-context>
    </pdp-context-information>
  </mobile-user>
</mobile-user-information>
```

**Description** List of PDP contexts associated with the user

### <pdp-context-information>

#### Usage

```
<pdp-context-deletion-results>
  <mobile-user>
    <pdp-context-information>
      <pdp-context>....</pdp-context>
    </pdp-context-information>
  </mobile-user>
```

</pdp-context-deletion-results>

**Description** List of PDP contexts associated with the user

## <pdp-context-statistics>

### Usage

```
<pdp-context-statistics>
  <pdp-active>
    pdp-active
  </pdp-active>
  <pdp-active-conversational>
    pdp-active-conversational
  </pdp-active-conversational>
  <pdp-active-streaming>
    pdp-active-streaming
  </pdp-active-streaming>
  <pdp-active-interactive>
    pdp-active-interactive
  </pdp-active-interactive>
  <pdp-active-background>
    pdp-active-background
  </pdp-active-background>
  <pdp-active-ipv6>
    pdp-active-ipv6
  </pdp-active-ipv6>
  <pdp-active-imsi>
    pdp-active-imsi
  </pdp-active-imsi>
  <pdp-active-msisdn>
    pdp-active-msisdn
  </pdp-active-msisdn>
  <pdp-blocked>
    pdp-blocked
  </pdp-blocked>
  <pdp-apn-by-logical-apn-selection>
    pdp-apn-by-logical-apn-selection
  </pdp-apn-by-logical-apn-selection>
  <pdp-apn-by-logical-apn-default>
    pdp-apn-by-logical-apn-default
  </pdp-apn-by-logical-apn-default>
  <pdp-assigned-msisdn>
    pdp-assigned-msisdn
  </pdp-assigned-msisdn>
  <pdp-assigned-shared-msisdn>
    pdp-assigned-shared-msisdn
  </pdp-assigned-shared-msisdn>
  <pdp-attempted-activation>
    pdp-attempted-activation
  </pdp-attempted-activation>
  <pdp-attempted-activation-ipv6>
    pdp-attempted-activation-ipv6
  </pdp-attempted-activation-ipv6>
  <pdp-completed-activation>
```

```
pdp-completed-activation
</pdp-completed-activation>
<pdp-completed-activation-ipv6>
  pdp-completed-activation-ipv6
</pdp-completed-activation-ipv6>
<pdp-attempted-activation-dhcp>
  pdp-attempted-activation-dhcp
</pdp-attempted-activation-dhcp>
<pdp-completed-activation-dhcp>
  pdp-completed-activation-dhcp
</pdp-completed-activation-dhcp>
<pdp-attempted-activation-radius>
  pdp-attempted-activation-radius
</pdp-attempted-activation-radius>
<pdp-completed-activation-radius>
  pdp-completed-activation-radius
</pdp-completed-activation-radius>
<pdp-attempted-activation-local-pool>
  pdp-attempted-activation-local-pool
</pdp-attempted-activation-local-pool>
<pdp-completed-activation-local-pool>
  pdp-completed-activation-local-pool
</pdp-completed-activation-local-pool>
<pdp-attempted-activation-dynamic>
  pdp-attempted-activation-dynamic
</pdp-attempted-activation-dynamic>
<pdp-completed-activation-dynamic>
  pdp-completed-activation-dynamic
</pdp-completed-activation-dynamic>
<pdp-attempted-mobile-activation>
  pdp-attempted-mobile-activation
</pdp-attempted-mobile-activation>
<pdp-completed-mobile-activation>
  pdp-completed-mobile-activation
</pdp-completed-mobile-activation>
<pdp-attempted-deactivation>
  pdp-attempted-deactivation
</pdp-attempted-deactivation>
<pdp-completed-deactivation>
  pdp-completed-deactivation
</pdp-completed-deactivation>
<pdp-attempted-node-deactivation>
  pdp-attempted-node-deactivation
</pdp-attempted-node-deactivation>
<pdp-completed-node-deactivation>
  pdp-completed-node-deactivation
</pdp-completed-node-deactivation>
<pdp-completed-idle-deactivation>
  pdp-completed-idle-deactivation
</pdp-completed-idle-deactivation>
<pdp-completed-session-deactivation>
  pdp-completed-session-deactivation
</pdp-completed-session-deactivation>
<pdp-attempted-mobile-deactivation>
  pdp-attempted-mobile-deactivation
</pdp-attempted-mobile-deactivation>
```

```
<pdp-completed-mobile-deactivation>
  pdp-completed-mobile-deactivation
</pdp-completed-mobile-deactivation>
<pdp-attempted-authentication-activation>
  pdp-attempted-authentication-activation
</pdp-attempted-authentication-activation>
<pdp-completed-authentication-activation>
  pdp-completed-authentication-activation
</pdp-completed-authentication-activation>
<pdp-attempted-mobile-sgsn-update>
  pdp-attempted-mobile-sgsn-update
</pdp-attempted-mobile-sgsn-update>
<pdp-completed-mobile-sgsn-update>
  pdp-completed-mobile-sgsn-update
</pdp-completed-mobile-sgsn-update>
<pdp-created>
  pdp-created
</pdp-created>
<pdp-created-ipv6>
  pdp-created-ipv6
</pdp-created-ipv6>
<pdp-create-failed>
  pdp-create-failed
</pdp-create-failed>
<pdp-create-failed-ipv6>
  pdp-create-failed-ipv6
</pdp-create-failed-ipv6>
<pdp-secondary-created>
  pdp-secondary-created
</pdp-secondary-created>
<pdp-secondary-created-ipv6>
  pdp-secondary-created-ipv6
</pdp-secondary-created-ipv6>
<pdp-secondary-create-failed>
  pdp-secondary-create-failed
</pdp-secondary-create-failed>
<pdp-secondary-attempted-ipv6>
  pdp-secondary-attempted-ipv6
</pdp-secondary-attempted-ipv6>
<pdp-secondary-completed-ipv6>
  pdp-secondary-completed-ipv6
</pdp-secondary-completed-ipv6>
<pdp-last-create>
  pdp-last-create
</pdp-last-create>
<pdp-secondary-create-failed-ipv6>
  pdp-secondary-create-failed-ipv6
</pdp-secondary-create-failed-ipv6>
<pdp-updates>
  pdp-updates
</pdp-updates>
<pdp-update-failed>
  pdp-update-failed
</pdp-update-failed>
<pdp-deleted>
  pdp-deleted
```

```
</pdp-deleted>
<pdp-deleted-by-idle-supervision>
  pdp-deleted-by-idle-supervision
</pdp-deleted-by-idle-supervision>
<pdp-deleted-by-session-supervision>
  pdp-deleted-by-session-supervision
</pdp-deleted-by-session-supervision>
<pdp-deleted-by-command>
  pdp-deleted-by-command
</pdp-deleted-by-command>
<pdp-deleted-by-failure>
  pdp-deleted-by-failure
</pdp-deleted-by-failure>
<pdp-delete-failed>
  pdp-delete-failed
</pdp-delete-failed>
<pdp-last-delete>
  pdp-last-delete
</pdp-last-delete>
<pdp-successful-deactivations>
  pdp-successful-deactivations
</pdp-successful-deactivations>
<pdp-failed-deactivations>
  pdp-failed-deactivations
</pdp-failed-deactivations>
<pdp-maximum>
  pdp-maximum
</pdp-maximum>
<pdp-minimum>
  pdp-minimum
</pdp-minimum>
<pdp-mean>
  pdp-mean
</pdp-mean>
<pdp-active-l2tp-tunnels>
  pdp-active-l2tp-tunnels
</pdp-active-l2tp-tunnels>
<pdp-active-l2tp-sessions>
  pdp-active-l2tp-sessions
</pdp-active-l2tp-sessions>
<pdp-maximum-active-l2tp-tunnels>
  pdp-maximum-active-l2tp-tunnels
</pdp-maximum-active-l2tp-tunnels>
<pdp-maximum-active-l2tp-sessions>
  pdp-maximum-active-l2tp-sessions
</pdp-maximum-active-l2tp-sessions>
<ims-dedicated-completed-activation>
  ims-dedicated-completed-activation
</ims-dedicated-completed-activation>
<ims-dedicated-failed-activation>
  ims-dedicated-failed-activation
</ims-dedicated-failed-activation>
<ims-general-completed-activation>
  ims-general-completed-activation
</ims-general-completed-activation>
<ims-general-failed-activation>
```



```

    ims-general-failed-activation
  </ims-general-failed-activation>
  <ims-general-active-failed-activation>
    ims-general-active-failed-activation
  </ims-general-active-failed-activation>
  <ims-signalling-packets-drops>
    ims-signalling-packets-drops
  </ims-signalling-packets-drops>
</pdp-context-statistics>

```

**Description** Information about PDP context events

### <pdp-context-statistics>

#### Usage

```

<interface-pdp-context-statistics>
  <pdp-context-statistics>
    <pdp-active>
      pdp-active
    </pdp-active>
    <pdp-active-conversational>
      pdp-active-conversational
    </pdp-active-conversational>
    <pdp-active-streaming>
      pdp-active-streaming
    </pdp-active-streaming>
    <pdp-active-interactive>
      pdp-active-interactive
    </pdp-active-interactive>
    <pdp-active-background>
      pdp-active-background
    </pdp-active-background>
    <pdp-active-ipv6>
      pdp-active-ipv6
    </pdp-active-ipv6>
    <pdp-active-imsi>
      pdp-active-imsi
    </pdp-active-imsi>
    <pdp-active-msisdn>
      pdp-active-msisdn
    </pdp-active-msisdn>
    <pdp-blocked>
      pdp-blocked
    </pdp-blocked>
    <pdp-apn-by-logical-apn-selection>
      pdp-apn-by-logical-apn-selection
    </pdp-apn-by-logical-apn-selection>
    <pdp-apn-by-logical-apn-default>
      pdp-apn-by-logical-apn-default
    </pdp-apn-by-logical-apn-default>
    <pdp-assigned-msisdn>
      pdp-assigned-msisdn
    </pdp-assigned-msisdn>
    <pdp-assigned-shared-msisdn>

```

```
pdp-assigned-shared-msisdn
</pdp-assigned-shared-msisdn>
<pdp-attempted-activation>
  pdp-attempted-activation
</pdp-attempted-activation>
<pdp-attempted-activation-ipv6>
  pdp-attempted-activation-ipv6
</pdp-attempted-activation-ipv6>
<pdp-completed-activation>
  pdp-completed-activation
</pdp-completed-activation>
<pdp-completed-activation-ipv6>
  pdp-completed-activation-ipv6
</pdp-completed-activation-ipv6>
<pdp-attempted-activation-dhcp>
  pdp-attempted-activation-dhcp
</pdp-attempted-activation-dhcp>
<pdp-completed-activation-dhcp>
  pdp-completed-activation-dhcp
</pdp-completed-activation-dhcp>
<pdp-attempted-activation-radius>
  pdp-attempted-activation-radius
</pdp-attempted-activation-radius>
<pdp-completed-activation-radius>
  pdp-completed-activation-radius
</pdp-completed-activation-radius>
<pdp-attempted-activation-local-pool>
  pdp-attempted-activation-local-pool
</pdp-attempted-activation-local-pool>
<pdp-completed-activation-local-pool>
  pdp-completed-activation-local-pool
</pdp-completed-activation-local-pool>
<pdp-attempted-activation-dynamic>
  pdp-attempted-activation-dynamic
</pdp-attempted-activation-dynamic>
<pdp-completed-activation-dynamic>
  pdp-completed-activation-dynamic
</pdp-completed-activation-dynamic>
<pdp-attempted-mobile-activation>
  pdp-attempted-mobile-activation
</pdp-attempted-mobile-activation>
<pdp-completed-mobile-activation>
  pdp-completed-mobile-activation
</pdp-completed-mobile-activation>
<pdp-attempted-deactivation>
  pdp-attempted-deactivation
</pdp-attempted-deactivation>
<pdp-completed-deactivation>
  pdp-completed-deactivation
</pdp-completed-deactivation>
<pdp-attempted-node-deactivation>
  pdp-attempted-node-deactivation
</pdp-attempted-node-deactivation>
<pdp-completed-node-deactivation>
  pdp-completed-node-deactivation
</pdp-completed-node-deactivation>
```

```
<pdp-completed-idle-deactivation>
  pdp-completed-idle-deactivation
</pdp-completed-idle-deactivation>
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<ims-dedicated-completed-activation>
```

```

        ims-dedicated-completed-activation
      </ims-dedicated-completed-activation>
      <ims-dedicated-failed-activation>
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      </ims-general-completed-activation>
      <ims-general-failed-activation>
        ims-general-failed-activation
      </ims-general-failed-activation>
      <ims-general-active-failed-activation>
        ims-general-active-failed-activation
      </ims-general-active-failed-activation>
      <ims-signalling-packets-drops>
        ims-signalling-packets-drops
      </ims-signalling-packets-drops>
    </pdp-context-statistics>
  </interface-pdp-context-statistics>

```

**Description** Information about PDP context events

## <pdp-context-statistics>

### Usage

```

<ggsn-statistics>
  <pdp-context-statistics>
    <pdp-active>
      pdp-active
    </pdp-active>
    <pdp-active-conversational>
      pdp-active-conversational
    </pdp-active-conversational>
    <pdp-active-streaming>
      pdp-active-streaming
    </pdp-active-streaming>
    <pdp-active-interactive>
      pdp-active-interactive
    </pdp-active-interactive>
    <pdp-active-background>
      pdp-active-background
    </pdp-active-background>
    <pdp-active-ipv6>
      pdp-active-ipv6
    </pdp-active-ipv6>
    <pdp-active-imsi>
      pdp-active-imsi
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    <pdp-active-msisdn>
      pdp-active-msisdn
    </pdp-active-msisdn>
    <pdp-blocked>
      pdp-blocked
    </pdp-blocked>
  </pdp-context-statistics>
</ggsn-statistics>

```

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```
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</pdp-mean>
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pdp-active-l2tp-tunnels
</pdp-active-l2tp-tunnels>
```



```

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</ims-general-active-failed-activation>
<ims-signalling-packets-drops>
  ims-signalling-packets-drops
</ims-signalling-packets-drops>
</pdp-context-statistics>
</ggsn-statistics>

```

**Description** Information about PDP context events

### <pdp-context-statistics>

#### Usage

```

<ggsn-statistics>
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<interface-pdp-context-statistics>
  <pdp-context-statistics>
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      pdp-active
    </pdp-active>
    <pdp-active-conversational>
      pdp-active-conversational
    </pdp-active-conversational>
    <pdp-active-streaming>
      pdp-active-streaming
    </pdp-active-streaming>
    <pdp-active-interactive>
      pdp-active-interactive
    </pdp-active-interactive>
    <pdp-active-background>
      pdp-active-background
    </pdp-active-background>
  
```

```
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```
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```
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```

```

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<ims-signalling-packets-drops>
  ims-signalling-packets-drops
</ims-signalling-packets-drops>
</pdp-context-statistics>
</interface-pdp-context-statistics>
</interface-pdp-context-statistics-information>
</ggsn-statistics>

```

**Description** Information about PDP context events

### <pdp-context-statistics>

#### Usage

```

<apn-statistics-information>
  <apn-statistics>
    <pdp-context-statistics>
      <pdp-active>
        pdp-active

```

```
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</pdp-apn-by-logical-apn-selection>
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```
pdp-attempted-activation-radius
</pdp-attempted-activation-radius>
<pdp-completed-activation-radius>
  pdp-completed-activation-radius
</pdp-completed-activation-radius>
<pdp-attempted-activation-local-pool>
  pdp-attempted-activation-local-pool
</pdp-attempted-activation-local-pool>
<pdp-completed-activation-local-pool>
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</pdp-completed-activation-local-pool>
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  pdp-attempted-activation-dynamic
</pdp-attempted-activation-dynamic>
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  pdp-completed-activation-dynamic
</pdp-completed-activation-dynamic>
<pdp-attempted-mobile-activation>
  pdp-attempted-mobile-activation
</pdp-attempted-mobile-activation>
<pdp-completed-mobile-activation>
  pdp-completed-mobile-activation
</pdp-completed-mobile-activation>
<pdp-attempted-deactivation>
  pdp-attempted-deactivation
</pdp-attempted-deactivation>
<pdp-completed-deactivation>
  pdp-completed-deactivation
</pdp-completed-deactivation>
<pdp-attempted-node-deactivation>
  pdp-attempted-node-deactivation
</pdp-attempted-node-deactivation>
<pdp-completed-node-deactivation>
  pdp-completed-node-deactivation
</pdp-completed-node-deactivation>
<pdp-completed-idle-deactivation>
  pdp-completed-idle-deactivation
</pdp-completed-idle-deactivation>
<pdp-completed-session-deactivation>
  pdp-completed-session-deactivation
</pdp-completed-session-deactivation>
<pdp-attempted-mobile-deactivation>
  pdp-attempted-mobile-deactivation
</pdp-attempted-mobile-deactivation>
<pdp-completed-mobile-deactivation>
  pdp-completed-mobile-deactivation
</pdp-completed-mobile-deactivation>
<pdp-attempted-authentication-activation>
  pdp-attempted-authentication-activation
</pdp-attempted-authentication-activation>
<pdp-completed-authentication-activation>
  pdp-completed-authentication-activation
</pdp-completed-authentication-activation>
<pdp-attempted-mobile-sgsn-update>
  pdp-attempted-mobile-sgsn-update
</pdp-attempted-mobile-sgsn-update>
```

```
<pdp-completed-mobile-sgsn-update>
  pdp-completed-mobile-sgsn-update
</pdp-completed-mobile-sgsn-update>
<pdp-created>
  pdp-created
</pdp-created>
<pdp-created-ipv6>
  pdp-created-ipv6
</pdp-created-ipv6>
<pdp-create-failed>
  pdp-create-failed
</pdp-create-failed>
<pdp-create-failed-ipv6>
  pdp-create-failed-ipv6
</pdp-create-failed-ipv6>
<pdp-secondary-created>
  pdp-secondary-created
</pdp-secondary-created>
<pdp-secondary-created-ipv6>
  pdp-secondary-created-ipv6
</pdp-secondary-created-ipv6>
<pdp-secondary-create-failed>
  pdp-secondary-create-failed
</pdp-secondary-create-failed>
<pdp-secondary-attempted-ipv6>
  pdp-secondary-attempted-ipv6
</pdp-secondary-attempted-ipv6>
<pdp-secondary-completed-ipv6>
  pdp-secondary-completed-ipv6
</pdp-secondary-completed-ipv6>
<pdp-last-create>
  pdp-last-create
</pdp-last-create>
<pdp-secondary-create-failed-ipv6>
  pdp-secondary-create-failed-ipv6
</pdp-secondary-create-failed-ipv6>
<pdp-updates>
  pdp-updates
</pdp-updates>
<pdp-update-failed>
  pdp-update-failed
</pdp-update-failed>
<pdp-deleted>
  pdp-deleted
</pdp-deleted>
<pdp-deleted-by-idle-supervision>
  pdp-deleted-by-idle-supervision
</pdp-deleted-by-idle-supervision>
<pdp-deleted-by-session-supervision>
  pdp-deleted-by-session-supervision
</pdp-deleted-by-session-supervision>
<pdp-deleted-by-command>
  pdp-deleted-by-command
</pdp-deleted-by-command>
<pdp-deleted-by-failure>
  pdp-deleted-by-failure
```



```
</pdp-deleted-by-failure>
<pdp-delete-failed>
  pdp-delete-failed
</pdp-delete-failed>
<pdp-last-delete>
  pdp-last-delete
</pdp-last-delete>
<pdp-successful-deactivations>
  pdp-successful-deactivations
</pdp-successful-deactivations>
<pdp-failed-deactivations>
  pdp-failed-deactivations
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<pdp-maximum>
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</pdp-maximum>
<pdp-minimum>
  pdp-minimum
</pdp-minimum>
<pdp-mean>
  pdp-mean
</pdp-mean>
<pdp-active-l2tp-tunnels>
  pdp-active-l2tp-tunnels
</pdp-active-l2tp-tunnels>
<pdp-active-l2tp-sessions>
  pdp-active-l2tp-sessions
</pdp-active-l2tp-sessions>
<pdp-maximum-active-l2tp-tunnels>
  pdp-maximum-active-l2tp-tunnels
</pdp-maximum-active-l2tp-tunnels>
<pdp-maximum-active-l2tp-sessions>
  pdp-maximum-active-l2tp-sessions
</pdp-maximum-active-l2tp-sessions>
<ims-dedicated-completed-activation>
  ims-dedicated-completed-activation
</ims-dedicated-completed-activation>
<ims-dedicated-failed-activation>
  ims-dedicated-failed-activation
</ims-dedicated-failed-activation>
<ims-general-completed-activation>
  ims-general-completed-activation
</ims-general-completed-activation>
<ims-general-failed-activation>
  ims-general-failed-activation
</ims-general-failed-activation>
<ims-general-active-failed-activation>
  ims-general-active-failed-activation
</ims-general-active-failed-activation>
<ims-signalling-packets-drops>
  ims-signalling-packets-drops
</ims-signalling-packets-drops>
</pdp-context-statistics>
</apn-statistics>
</apn-statistics-information>
```

**Description** Information about PDP context events

### <pdp-context-statistics>

#### Usage

```
<sgsn-statistics-information>
  <sgsn-statistics>
    <pdp-context-statistics>
      <pdp-active>
        pdp-active
      </pdp-active>
      <pdp-active-conversational>
        pdp-active-conversational
      </pdp-active-conversational>
      <pdp-active-streaming>
        pdp-active-streaming
      </pdp-active-streaming>
      <pdp-active-interactive>
        pdp-active-interactive
      </pdp-active-interactive>
      <pdp-active-background>
        pdp-active-background
      </pdp-active-background>
      <pdp-active-ipv6>
        pdp-active-ipv6
      </pdp-active-ipv6>
      <pdp-active-imsi>
        pdp-active-imsi
      </pdp-active-imsi>
      <pdp-active-msisdn>
        pdp-active-msisdn
      </pdp-active-msisdn>
      <pdp-blocked>
        pdp-blocked
      </pdp-blocked>
      <pdp-apn-by-logical-apn-selection>
        pdp-apn-by-logical-apn-selection
      </pdp-apn-by-logical-apn-selection>
      <pdp-apn-by-logical-apn-default>
        pdp-apn-by-logical-apn-default
      </pdp-apn-by-logical-apn-default>
      <pdp-assigned-msisdn>
        pdp-assigned-msisdn
      </pdp-assigned-msisdn>
      <pdp-assigned-shared-msisdn>
        pdp-assigned-shared-msisdn
      </pdp-assigned-shared-msisdn>
      <pdp-attempted-activation>
        pdp-attempted-activation
      </pdp-attempted-activation>
      <pdp-attempted-activation-ipv6>
        pdp-attempted-activation-ipv6
      </pdp-attempted-activation-ipv6>
      <pdp-completed-activation>
        pdp-completed-activation
```

```
</pdp-completed-activation>
<pdp-completed-activation-ipv6>
  pdp-completed-activation-ipv6
</pdp-completed-activation-ipv6>
<pdp-attempted-activation-dhcp>
  pdp-attempted-activation-dhcp
</pdp-attempted-activation-dhcp>
<pdp-completed-activation-dhcp>
  pdp-completed-activation-dhcp
</pdp-completed-activation-dhcp>
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  pdp-attempted-activation-radius
</pdp-attempted-activation-radius>
<pdp-completed-activation-radius>
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</pdp-attempted-activation-local-pool>
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</pdp-completed-activation-local-pool>
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  pdp-attempted-activation-dynamic
</pdp-attempted-activation-dynamic>
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</pdp-completed-activation-dynamic>
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</pdp-attempted-mobile-activation>
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</pdp-completed-mobile-activation>
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  pdp-attempted-deactivation
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</pdp-completed-deactivation>
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  pdp-attempted-node-deactivation
</pdp-attempted-node-deactivation>
<pdp-completed-node-deactivation>
  pdp-completed-node-deactivation
</pdp-completed-node-deactivation>
<pdp-completed-idle-deactivation>
  pdp-completed-idle-deactivation
</pdp-completed-idle-deactivation>
<pdp-completed-session-deactivation>
  pdp-completed-session-deactivation
</pdp-completed-session-deactivation>
<pdp-attempted-mobile-deactivation>
  pdp-attempted-mobile-deactivation
</pdp-attempted-mobile-deactivation>
<pdp-completed-mobile-deactivation>
```

```
pdp-completed-mobile-deactivation
</pdp-completed-mobile-deactivation>
<pdp-attempted-authentication-activation>
  pdp-attempted-authentication-activation
</pdp-attempted-authentication-activation>
<pdp-completed-authentication-activation>
  pdp-completed-authentication-activation
</pdp-completed-authentication-activation>
<pdp-attempted-mobile-sgsn-update>
  pdp-attempted-mobile-sgsn-update
</pdp-attempted-mobile-sgsn-update>
<pdp-completed-mobile-sgsn-update>
  pdp-completed-mobile-sgsn-update
</pdp-completed-mobile-sgsn-update>
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</pdp-created>
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</pdp-created-ipv6>
<pdp-create-failed>
  pdp-create-failed
</pdp-create-failed>
<pdp-create-failed-ipv6>
  pdp-create-failed-ipv6
</pdp-create-failed-ipv6>
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</pdp-secondary-created>
<pdp-secondary-created-ipv6>
  pdp-secondary-created-ipv6
</pdp-secondary-created-ipv6>
<pdp-secondary-create-failed>
  pdp-secondary-create-failed
</pdp-secondary-create-failed>
<pdp-secondary-attempted-ipv6>
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</pdp-secondary-attempted-ipv6>
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  pdp-secondary-create-failed-ipv6
</pdp-secondary-create-failed-ipv6>
<pdp-updates>
  pdp-updates
</pdp-updates>
<pdp-update-failed>
  pdp-update-failed
</pdp-update-failed>
<pdp-deleted>
  pdp-deleted
</pdp-deleted>
```

```
<pdp-deleted-by-idle-supervision>
  pdp-deleted-by-idle-supervision
</pdp-deleted-by-idle-supervision>
<pdp-deleted-by-session-supervision>
  pdp-deleted-by-session-supervision
</pdp-deleted-by-session-supervision>
<pdp-deleted-by-command>
  pdp-deleted-by-command
</pdp-deleted-by-command>
<pdp-deleted-by-failure>
  pdp-deleted-by-failure
</pdp-deleted-by-failure>
<pdp-delete-failed>
  pdp-delete-failed
</pdp-delete-failed>
<pdp-last-delete>
  pdp-last-delete
</pdp-last-delete>
<pdp-successful-deactivations>
  pdp-successful-deactivations
</pdp-successful-deactivations>
<pdp-failed-deactivations>
  pdp-failed-deactivations
</pdp-failed-deactivations>
<pdp-maximum>
  pdp-maximum
</pdp-maximum>
<pdp-minimum>
  pdp-minimum
</pdp-minimum>
<pdp-mean>
  pdp-mean
</pdp-mean>
<pdp-active-l2tp-tunnels>
  pdp-active-l2tp-tunnels
</pdp-active-l2tp-tunnels>
<pdp-active-l2tp-sessions>
  pdp-active-l2tp-sessions
</pdp-active-l2tp-sessions>
<pdp-maximum-active-l2tp-tunnels>
  pdp-maximum-active-l2tp-tunnels
</pdp-maximum-active-l2tp-tunnels>
<pdp-maximum-active-l2tp-sessions>
  pdp-maximum-active-l2tp-sessions
</pdp-maximum-active-l2tp-sessions>
<ims-dedicated-completed-activation>
  ims-dedicated-completed-activation
</ims-dedicated-completed-activation>
<ims-dedicated-failed-activation>
  ims-dedicated-failed-activation
</ims-dedicated-failed-activation>
<ims-general-completed-activation>
  ims-general-completed-activation
</ims-general-completed-activation>
<ims-general-failed-activation>
  ims-general-failed-activation
```

```
</ims-general-failed-activation>
<ims-general-active-failed-activation>
  ims-general-active-failed-activation
</ims-general-active-failed-activation>
<ims-signalling-packets-drops>
  ims-signalling-packets-drops
</ims-signalling-packets-drops>
</pdp-context-statistics>
</sgsn-statistics>
</sgsn-statistics-information>
```

**Description** Information about PDP context events

### <pdp-diagnostics-per-apn>

#### Usage

```
<pdp-diagnostics-per-apn>
<pdp-id>
  pdp-id
</pdp-id>
</pdp-diagnostics-per-apn>
```

**Description**

### <pdp-request-statistics>

#### Usage

```
<pdp-request-statistics>
<create-request-received>
  create-request-received
</create-request-received>
<create-response-transmitted>
  create-response-transmitted
</create-response-transmitted>
<update-request-received>
  update-request-received
</update-request-received>
<update-request-transmitted>
  update-request-transmitted
</update-request-transmitted>
<update-response-received>
  update-response-received
</update-response-received>
<update-response-transmitted>
  update-response-transmitted
</update-response-transmitted>
<delete-request-received>
  delete-request-received
</delete-request-received>
<delete-request-transmitted>
  delete-request-transmitted
</delete-request-transmitted>
<delete-response-received>
```

```

        delete-response-received
      </delete-response-received>
    <delete-response-transmitted>
      delete-response-transmitted
    </delete-response-transmitted>
  </pdp-request-statistics>

```

**Description** PDP context request statistics

## <pdp-request-statistics>

### Usage

```

<gtp-statistics-information>
  <gtp-statistics>
    <pdp-request-statistics>
      <create-request-received>
        create-request-received
      </create-request-received>
      <create-response-transmitted>
        create-response-transmitted
      </create-response-transmitted>
      <update-request-received>
        update-request-received
      </update-request-received>
      <update-request-transmitted>
        update-request-transmitted
      </update-request-transmitted>
      <update-response-received>
        update-response-received
      </update-response-received>
      <update-response-transmitted>
        update-response-transmitted
      </update-response-transmitted>
      <delete-request-received>
        delete-request-received
      </delete-request-received>
      <delete-request-transmitted>
        delete-request-transmitted
      </delete-request-transmitted>
      <delete-response-received>
        delete-response-received
      </delete-response-received>
      <delete-response-transmitted>
        delete-response-transmitted
      </delete-response-transmitted>
    </pdp-request-statistics>
  </gtp-statistics>
</gtp-statistics-information>

```

**Description** PDP context request statistics

### <pras-information>

**Usage**

```
<pras-information>
  <pras-statistics>....</pras-statistics>
</pras-information>
```

**Description** Information about policy rating application systems

### <pras-information>

**Usage**

```
<sbcc-statistics-information>
  <pras-information>
    <pras-statistics>....</pras-statistics>
  </pras-information>
</sbcc-statistics-information>
```

**Description** Information about policy rating application systems

### <pras-information>

**Usage**

```
<ggsn-interface>
  <sbcc-statistics-information>
    <pras-information>
      <pras-statistics>....</pras-statistics>
    </pras-information>
  </sbcc-statistics-information>
</ggsn-interface>
```

**Description** Information about policy rating application systems

### <pras-information>

**Usage**

```
<ggsn-interface-information>
  <ggsn-interface>
    <sbcc-statistics-information>
      <pras-information>
        <pras-statistics>....</pras-statistics>
      </pras-information>
    </sbcc-statistics-information>
  </ggsn-interface>
</ggsn-interface-information>
```

**Description** Information about policy rating application systems



**<pras-information>****Usage**

```

<ggsn-statistics>
  <sbcc-statistics-information>
    <pras-information>
      <pras-statistics>....</pras-statistics>
    </pras-information>
  </sbcc-statistics-information>
</ggsn-statistics>

```

**Description** Information about policy rating application systems

**<pras-information>****Usage**

```

<apn-statistics-information>
  <sbcc-statistics-information>
    <pras-information>
      <pras-statistics>....</pras-statistics>
    </pras-information>
  </sbcc-statistics-information>
</apn-statistics-information>

```

**Description** Information about policy rating application systems

**<pras-statistics>****Usage**

```

<pras-information>
  <pras-statistics>
    <pras-identifier>
      pras-identifier
    </pras-identifier>
    <pras-start-request>
      pras-start-request
    </pras-start-request>
    <pras-start-request-failed>
      pras-start-request-failed
    </pras-start-request-failed>
    <pras-update-request>
      pras-update-request
    </pras-update-request>
    <pras-update-request-failed>
      pras-update-request-failed
    </pras-update-request-failed>
    <pras-stop-request>
      pras-stop-request
    </pras-stop-request>
    <pras-stop-request-failed>
      pras-stop-request-failed
    </pras-stop-request-failed>
  </pras-statistics>
</pras-information>

```

```
<pras-user-service-denied>
  pras-user-service-denied
</pras-user-service-denied>
<pras-user-unknown>
  pras-user-unknown
</pras-user-unknown>
</pras-statistics>
</pras-information>
```

**Description** Statistics for a policy rating application system

### <pras-statistics>

#### Usage

```
<sbcc-statistics-information>
<pras-information>
  <pras-statistics>
    <pras-identifier>
      pras-identifier
    </pras-identifier>
    <pras-start-request>
      pras-start-request
    </pras-start-request>
    <pras-start-request-failed>
      pras-start-request-failed
    </pras-start-request-failed>
    <pras-update-request>
      pras-update-request
    </pras-update-request>
    <pras-update-request-failed>
      pras-update-request-failed
    </pras-update-request-failed>
    <pras-stop-request>
      pras-stop-request
    </pras-stop-request>
    <pras-stop-request-failed>
      pras-stop-request-failed
    </pras-stop-request-failed>
    <pras-user-service-denied>
      pras-user-service-denied
    </pras-user-service-denied>
    <pras-user-unknown>
      pras-user-unknown
    </pras-user-unknown>
  </pras-statistics>
</pras-information>
</sbcc-statistics-information>
```

**Description** Statistics for a policy rating application system

**<pras-statistics>****Usage**

```

<ggsn-interface>
  <sbcc-statistics-information>
    <pras-information>
      <pras-statistics>
        <pras-identifier>
          pras-identifier
        </pras-identifier>
        <pras-start-request>
          pras-start-request
        </pras-start-request>
        <pras-start-request-failed>
          pras-start-request-failed
        </pras-start-request-failed>
        <pras-update-request>
          pras-update-request
        </pras-update-request>
        <pras-update-request-failed>
          pras-update-request-failed
        </pras-update-request-failed>
        <pras-stop-request>
          pras-stop-request
        </pras-stop-request>
        <pras-stop-request-failed>
          pras-stop-request-failed
        </pras-stop-request-failed>
        <pras-user-service-denied>
          pras-user-service-denied
        </pras-user-service-denied>
        <pras-user-unknown>
          pras-user-unknown
        </pras-user-unknown>
      </pras-statistics>
    </pras-information>
  </sbcc-statistics-information>
</ggsn-interface>

```

**Description** Statistics for a policy rating application system

**<pras-statistics>****Usage**

```

<ggsn-interface-information>
  <ggsn-interface>
    <sbcc-statistics-information>
      <pras-information>
        <pras-statistics>
          <pras-identifier>
            pras-identifier
          </pras-identifier>
          <pras-start-request>

```

```
    pras-start-request
  </pras-start-request>
  <pras-start-request-failed>
    pras-start-request-failed
  </pras-start-request-failed>
  <pras-update-request>
    pras-update-request
  </pras-update-request>
  <pras-update-request-failed>
    pras-update-request-failed
  </pras-update-request-failed>
  <pras-stop-request>
    pras-stop-request
  </pras-stop-request>
  <pras-stop-request-failed>
    pras-stop-request-failed
  </pras-stop-request-failed>
  <pras-user-service-denied>
    pras-user-service-denied
  </pras-user-service-denied>
  <pras-user-unknown>
    pras-user-unknown
  </pras-user-unknown>
</pras-statistics>
</pras-information>
</sbcc-statistics-information>
</ggsn-interface>
</ggsn-interface-information>
```

**Description**    Statistics for a policy rating application system

### <pras-statistics>

#### Usage

```
<ggsn-statistics>
  <sbcc-statistics-information>
    <pras-information>
      <pras-statistics>
        <pras-identifier>
          pras-identifier
        </pras-identifier>
        <pras-start-request>
          pras-start-request
        </pras-start-request>
        <pras-start-request-failed>
          pras-start-request-failed
        </pras-start-request-failed>
        <pras-update-request>
          pras-update-request
        </pras-update-request>
        <pras-update-request-failed>
          pras-update-request-failed
        </pras-update-request-failed>
        <pras-stop-request>
```

```

        pras-stop-request
      </pras-stop-request>
      <pras-stop-request-failed>
        pras-stop-request-failed
      </pras-stop-request-failed>
      <pras-user-service-denied>
        pras-user-service-denied
      </pras-user-service-denied>
      <pras-user-unknown>
        pras-user-unknown
      </pras-user-unknown>
    </pras-statistics>
  </pras-information>
</sbcc-statistics-information>
</ggsn-statistics>

```

**Description** Statistics for a policy rating application system

## <pras-statistics>

### Usage

```

<apn-statistics-information>
<sbcc-statistics-information>
  <pras-information>
    <pras-statistics>
      <pras-identifier>
        pras-identifier
      </pras-identifier>
      <pras-start-request>
        pras-start-request
      </pras-start-request>
      <pras-start-request-failed>
        pras-start-request-failed
      </pras-start-request-failed>
      <pras-update-request>
        pras-update-request
      </pras-update-request>
      <pras-update-request-failed>
        pras-update-request-failed
      </pras-update-request-failed>
      <pras-stop-request>
        pras-stop-request
      </pras-stop-request>
      <pras-stop-request-failed>
        pras-stop-request-failed
      </pras-stop-request-failed>
      <pras-user-service-denied>
        pras-user-service-denied
      </pras-user-service-denied>
      <pras-user-unknown>
        pras-user-unknown
      </pras-user-unknown>
    </pras-statistics>
  </pras-information>

```

```
</sbcc-statistics-information>
</apn-statistics-information>
```

**Description** Statistics for a policy rating application system

## <quality-of-service>

### Usage

```
<pdp-context>
  <quality-of-service>
    <gi-diffserv-code-point>
      gi-diffserv-code-point
    </gi-diffserv-code-point>
    <gn-diffserv-code-point>
      gn-diffserv-code-point
    </gn-diffserv-code-point>
    <downlink-bitrate>
      downlink-bitrate
    </downlink-bitrate>
  </quality-of-service>
</pdp-context>
```

**Description** PDP context quality-of-service information

## <quality-of-service>

### Usage

```
<mobile-user-information>
  <mobile-user>
    <pdp-context-information>
      <pdp-context>
        <quality-of-service>
          <gi-diffserv-code-point>
            gi-diffserv-code-point
          </gi-diffserv-code-point>
          <gn-diffserv-code-point>
            gn-diffserv-code-point
          </gn-diffserv-code-point>
          <downlink-bitrate>
            downlink-bitrate
          </downlink-bitrate>
        </quality-of-service>
      </pdp-context>
    </pdp-context-information>
  </mobile-user>
</mobile-user-information>
```

**Description** PDP context quality-of-service information

## <quality-of-service>

### Usage

```

<pdp-context-deletion-results>
  <mobile-user>
    <pdp-context-information>
      <pdp-context>
        <quality-of-service>
          <gi-diffserv-code-point>
            gi-diffserv-code-point
          </gi-diffserv-code-point>
          <gn-diffserv-code-point>
            gn-diffserv-code-point
          </gn-diffserv-code-point>
          <downlink-bitrate>
            downlink-bitrate
          </downlink-bitrate>
        </quality-of-service>
      </pdp-context>
    </pdp-context-information>
  </mobile-user>
</pdp-context-deletion-results>

```

**Description** PDP context quality-of-service information

## <radius-statistics-information>

### Usage

```

<radius-statistics-information>
  <radius-authentication-failure>
    radius-authentication-failure
  </radius-authentication-failure>
  <accounting-failure>
    accounting-failure
  </accounting-failure>
</radius-statistics-information>

```

**Description** Radius statistics

## <radius-statistics-information>

### Usage

```

<ggsn-statistics>
  <radius-statistics-information>
    <radius-authentication-failure>
      radius-authentication-failure
    </radius-authentication-failure>
    <accounting-failure>
      accounting-failure
    </accounting-failure>
  </radius-statistics-information>

```

```
</ggsn-statistics>
```

**Description** Radius statistics

### **<radius-statistics-information>**

**Usage**

```
<apn-statistics-information>
  <apn-statistics>
    <radius-statistics-information>
      <radius-authentication-failure>
        radius-authentication-failure
      </radius-authentication-failure>
      <accounting-failure>
        accounting-failure
      </accounting-failure>
    </radius-statistics-information>
  </apn-statistics>
</apn-statistics-information>
```

**Description** Radius statistics

### **<rate-group-information>**

**Usage**

```
<rate-group-information>
  <rate-group-statistics>....</rate-group-statistics>
</rate-group-information>
```

**Description** Information about a rate group

### **<rate-group-information>**

**Usage**

```
<sbcc-statistics-information>
  <rate-group-information>
    <rate-group-statistics>....</rate-group-statistics>
  </rate-group-information>
</sbcc-statistics-information>
```

**Description** Information about a rate group

### **<rate-group-information>**

**Usage**

```
<ggsn-interface>
  <sbcc-statistics-information>
    <rate-group-information>
      <rate-group-statistics>....</rate-group-statistics>
```



```
</rate-group-information>
</sbcc-statistics-information>
</ggsn-interface>
```

**Description** Information about a rate group

### <rate-group-information>

#### Usage

```
<ggsn-interface-information>
<ggsn-interface>
  <sbcc-statistics-information>
    <rate-group-information>
      <rate-group-statistics>....</rate-group-statistics>
    </rate-group-information>
  </sbcc-statistics-information>
</ggsn-interface>
</ggsn-interface-information>
```

**Description** Information about a rate group

### <rate-group-information>

#### Usage

```
<ggsn-statistics>
<sbcc-statistics-information>
  <rate-group-information>
    <rate-group-statistics>....</rate-group-statistics>
  </rate-group-information>
</sbcc-statistics-information>
</ggsn-statistics>
```

**Description** Information about a rate group

### <rate-group-information>

#### Usage

```
<apn-statistics-information>
<sbcc-statistics-information>
  <rate-group-information>
    <rate-group-statistics>....</rate-group-statistics>
  </rate-group-information>
</sbcc-statistics-information>
</apn-statistics-information>
```

**Description** Information about a rate group

### <rate-group-statistics>

#### Usage

```
<rate-group-information>
  <rate-group-statistics>
    <rate-group-identifier>
      rate-group-identifier
    </rate-group-identifier>
    <transactions-start>
      transactions-start
    </transactions-start>
    <transactions-success>
      transactions-success
    </transactions-success>
  </rate-group-statistics>
</rate-group-information>
```

**Description** Statistics for a rate group

### <rate-group-statistics>

#### Usage

```
<sbcc-statistics-information>
  <rate-group-information>
    <rate-group-statistics>
      <rate-group-identifier>
        rate-group-identifier
      </rate-group-identifier>
      <transactions-start>
        transactions-start
      </transactions-start>
      <transactions-success>
        transactions-success
      </transactions-success>
    </rate-group-statistics>
  </rate-group-information>
</sbcc-statistics-information>
```

**Description** Statistics for a rate group

### <rate-group-statistics>

#### Usage

```
<ggsn-interface>
  <sbcc-statistics-information>
    <rate-group-information>
      <rate-group-statistics>
        <rate-group-identifier>
          rate-group-identifier
        </rate-group-identifier>
        <transactions-start>
          transactions-start
        </transactions-start>
      </rate-group-statistics>
    </rate-group-information>
  </sbcc-statistics-information>
</ggsn-interface>
```

```

    </transactions-start>
    <transactions-success>
      transactions-success
    </transactions-success>
  </rate-group-statistics>
</rate-group-information>
</sbcc-statistics-information>
</ggsn-interface>

```

**Description** Statistics for a rate group

### <rate-group-statistics>

#### Usage

```

<ggsn-interface-information>
<ggsn-interface>
  <sbcc-statistics-information>
    <rate-group-information>
      <rate-group-statistics>
        <rate-group-identifier>
          rate-group-identifier
        </rate-group-identifier>
        <transactions-start>
          transactions-start
        </transactions-start>
        <transactions-success>
          transactions-success
        </transactions-success>
      </rate-group-statistics>
    </rate-group-information>
  </sbcc-statistics-information>
</ggsn-interface>
</ggsn-interface-information>

```

**Description** Statistics for a rate group

### <rate-group-statistics>

#### Usage

```

<ggsn-statistics>
<sbcc-statistics-information>
  <rate-group-information>
    <rate-group-statistics>
      <rate-group-identifier>
        rate-group-identifier
      </rate-group-identifier>
      <transactions-start>
        transactions-start
      </transactions-start>
      <transactions-success>
        transactions-success
      </transactions-success>
    </rate-group-statistics>
  </rate-group-information>
</sbcc-statistics-information>
</ggsn-statistics>

```

```
</rate-group-statistics>
</rate-group-information>
</sbcc-statistics-information>
</ggsn-statistics>
```

**Description** Statistics for a rate group

### <rate-group-statistics>

#### Usage

```
<apn-statistics-information>
<sbcc-statistics-information>
<rate-group-information>
<rate-group-statistics>
  <rate-group-identifier>
    rate-group-identifier
  </rate-group-identifier>
  <transactions-start>
    transactions-start
  </transactions-start>
  <transactions-success>
    transactions-success
  </transactions-success>
</rate-group-statistics>
</rate-group-information>
</sbcc-statistics-information>
</apn-statistics-information>
```

**Description** Statistics for a rate group

### <redirection-request-statistics>

#### Usage

```
<redirection-request-statistics>
  <request-received>
    request-received
  </request-received>
  <request-transmitted>
    request-transmitted
  </request-transmitted>
  <response-received>
    response-received
  </response-received>
  <response-transmitted>
    response-transmitted
  </response-transmitted>
</redirection-request-statistics>
```

**Description** GTP Prime redirection request statistics

**<redirection-request-statistics>****Usage**

```

<gtp-prime-statistics-information>
  <gtp-prime-statistics>
    <redirection-request-statistics>
      <request-received>
        request-received
      </request-received>
      <request-transmitted>
        request-transmitted
      </request-transmitted>
      <response-received>
        response-received
      </response-received>
      <response-transmitted>
        response-transmitted
      </response-transmitted>
    </redirection-request-statistics>
  </gtp-prime-statistics>
</gtp-prime-statistics-information>

```

**Description** GTP Prime redirection request statistics

**<resources>****Usage**

```

<ggsn-interface>
  <resources>
    <cpu-info>....</cpu-info>
    <memory-total>
      memory-total
    </memory-total>
    <memory-used>
      memory-used
    </memory-used>
  </resources>
</ggsn-interface>

```

**Description** CPU and memory information for a PIC

**<resources>****Usage**

```

<ggsn-interface-information>
  <ggsn-interface>
    <resources>
      <cpu-info>....</cpu-info>
      <memory-total>
        memory-total
      </memory-total>
      <memory-used>

```

```
        memory-used
      </memory-used>
    </resources>
  </ggsn-interface>
</ggsn-interface-information>
```

**Description** CPU and memory information for a PIC

## <rs-statistics>

### Usage

```
<rulespace-based-charging-statistics>
  <rs-statistics>
    <rs-identifier>
      rs-identifier
    </rs-identifier>
    <uplink-statistics>
      uplink-statistics
    </uplink-statistics>
    <downlink-statistics>
      downlink-statistics
    </downlink-statistics>
    <service-instances>
      service-instances
    </service-instances>
    <discarded-uplink>
      discarded-uplink
    </discarded-uplink>
    <discarded-downlink>
      discarded-downlink
    </discarded-downlink>
    <gate-discarded-uplink>
      gate-discarded-uplink
    </gate-discarded-uplink>
    <gate-discarded-downlink>
      gate-discarded-downlink
    </gate-discarded-downlink>
  </rs-statistics>
</rulespace-based-charging-statistics>
```

**Description** Statistics for a rule space

## <rs-statistics>

### Usage

```
<apn-statistics-information>
  <apn-statistics>
    <rulespace-based-charging-statistics>
      <rs-statistics>
        <rs-identifier>
          rs-identifier
        </rs-identifier>
```

```

<uplink-statistics>
  uplink-statistics
</uplink-statistics>
<downlink-statistics>
  downlink-statistics
</downlink-statistics>
<service-instances>
  service-instances
</service-instances>
<discarded-uplink>
  discarded-uplink
</discarded-uplink>
<discarded-downlink>
  discarded-downlink
</discarded-downlink>
<gate-discarded-uplink>
  gate-discarded-uplink
</gate-discarded-uplink>
<gate-discarded-downlink>
  gate-discarded-downlink
</gate-discarded-downlink>
</rs-statistics>
</rulespace-based-charging-statistics>
</apn-statistics>
</apn-statistics-information>

```

**Description** Statistics for a rule space

### <rulespace-based-charging-statistics>

#### Usage

```

<rulespace-based-charging-statistics>
  <rs-statistics>....</rs-statistics>
</rulespace-based-charging-statistics>

```

**Description** Information about rule spaces

### <rulespace-based-charging-statistics>

#### Usage

```

<apn-statistics-information>
  <apn-statistics>
    <rulespace-based-charging-statistics>
      <rs-statistics>....</rs-statistics>
    </rulespace-based-charging-statistics>
  </apn-statistics>
</apn-statistics-information>

```

**Description** Information about rule spaces

## <sbcc-statistics-information>

### Usage

```
<sbcc-statistics-information>
  <prepaid-request>
    prepaid-request
  </prepaid-request>
  <rating-request>
    rating-request
  </rating-request>
  <prepaid-user>
    prepaid-user
  </prepaid-user>
  <prepaid-context>
    prepaid-context
  </prepaid-context>
  <prepaid-pdp-creates-attempted>
    prepaid-pdp-creates-attempted
  </prepaid-pdp-creates-attempted>
  <prepaid-pdp-creates-failed>
    prepaid-pdp-creates-failed
  </prepaid-pdp-creates-failed>
  <pdp-initiated-deactivation>
    pdp-initiated-deactivation
  </pdp-initiated-deactivation>
  <credit-start-request-attempted>
    credit-start-request-attempted
  </credit-start-request-attempted>
  <credit-start-request-failed>
    credit-start-request-failed
  </credit-start-request-failed>
  <rating-initial-request-attempted>
    rating-initial-request-attempted
  </rating-initial-request-attempted>
  <rating-initial-request-failed>
    rating-initial-request-failed
  </rating-initial-request-failed>
  <rating-update-request-attempted>
    rating-update-request-attempted
  </rating-update-request-attempted>
  <rating-update-request-failed>
    rating-update-request-failed
  </rating-update-request-failed>
  <credit-update-request-attempted>
    credit-update-request-attempted
  </credit-update-request-attempted>
  <credit-update-request-failed>
    credit-update-request-failed
  </credit-update-request-failed>
  <credit-stop-request-attempted>
    credit-stop-request-attempted
  </credit-stop-request-attempted>
  <credit-stop-request-failed>
    credit-stop-request-failed
  </credit-stop-request-failed>
```



```
<external-prs-update>
  external-prs-update
</external-prs-update>
<external-prs-update-no-match>
  external-prs-update-no-match
</external-prs-update-no-match>
<external-credit-update>
  external-credit-update
</external-credit-update>
<external-credit-update-no-match>
  external-credit-update-no-match
</external-credit-update-no-match>
<external-update-failed>
  external-update-failed
</external-update-failed>
<duration-time>
  duration-time
</duration-time>
<activation-bearer-ctrl-accept>
  activation-bearer-ctrl-accept
</activation-bearer-ctrl-accept>
<activation-bearer-ctrl-reject>
  activation-bearer-ctrl-reject
</activation-bearer-ctrl-reject>
<activation-bearer-ctrl-upgrade>
  activation-bearer-ctrl-upgrade
</activation-bearer-ctrl-upgrade>
<activation-bearer-ctrl-downgrade>
  activation-bearer-ctrl-downgrade
</activation-bearer-ctrl-downgrade>
<modification-bearer-ctrl-accept>
  modification-bearer-ctrl-accept
</modification-bearer-ctrl-accept>
<modification-bearer-ctrl-deactivate>
  modification-bearer-ctrl-deactivate
</modification-bearer-ctrl-deactivate>
<modification-bearer-ctrl-upgrade>
  modification-bearer-ctrl-upgrade
</modification-bearer-ctrl-upgrade>
<modification-bearer-ctrl-downgrade>
  modification-bearer-ctrl-downgrade
</modification-bearer-ctrl-downgrade>
<activation-no-bearer-ctrl-accept>
  activation-no-bearer-ctrl-accept
</activation-no-bearer-ctrl-accept>
<activation-no-bearer-ctrl-reject>
  activation-no-bearer-ctrl-reject
</activation-no-bearer-ctrl-reject>
<activation-no-bearer-ctrl-downgrade>
  activation-no-bearer-ctrl-downgrade
</activation-no-bearer-ctrl-downgrade>
<modification-no-bearer-ctrl-accept>
  modification-no-bearer-ctrl-accept
</modification-no-bearer-ctrl-accept>
<modification-no-bearer-ctrl-deactivate>
  modification-no-bearer-ctrl-deactivate
```

```
</modification-no-bearer-ctrl-deactivate>
<modification-no-bearer-ctrl-downgrade>
  modification-no-bearer-ctrl-downgrade
</modification-no-bearer-ctrl-downgrade>
<das-information>....</das-information>
<pras-information>....</pras-information>
<ccas-information>....</ccas-information>
<service-class-information>....</service-class-information>
<service-identifier-information>....</service-identifier-information>
<rate-group-information>....</rate-group-information>
<authorization-discard-information>....</authorization-discard-information>
</sbcc-statistics-information>
```

**Description** Service-based charging statistics

### <sbcc-statistics-information>

#### Usage

```
<ggsn-interface>
  <sbcc-statistics-information>
    <prepaid-request>
      prepaid-request
    </prepaid-request>
    <rating-request>
      rating-request
    </rating-request>
    <prepaid-user>
      prepaid-user
    </prepaid-user>
    <prepaid-context>
      prepaid-context
    </prepaid-context>
    <prepaid-pdp-creates-attempted>
      prepaid-pdp-creates-attempted
    </prepaid-pdp-creates-attempted>
    <prepaid-pdp-creates-failed>
      prepaid-pdp-creates-failed
    </prepaid-pdp-creates-failed>
    <pdp-initiated-deactivation>
      pdp-initiated-deactivation
    </pdp-initiated-deactivation>
    <credit-start-request-attempted>
      credit-start-request-attempted
    </credit-start-request-attempted>
    <credit-start-request-failed>
      credit-start-request-failed
    </credit-start-request-failed>
    <rating-initial-request-attempted>
      rating-initial-request-attempted
    </rating-initial-request-attempted>
    <rating-initial-request-failed>
      rating-initial-request-failed
    </rating-initial-request-failed>
    <rating-update-request-attempted>
```

```
rating-update-request-attempted
</rating-update-request-attempted>
<rating-update-request-failed>
rating-update-request-failed
</rating-update-request-failed>
<credit-update-request-attempted>
credit-update-request-attempted
</credit-update-request-attempted>
<credit-update-request-failed>
credit-update-request-failed
</credit-update-request-failed>
<credit-stop-request-attempted>
credit-stop-request-attempted
</credit-stop-request-attempted>
<credit-stop-request-failed>
credit-stop-request-failed
</credit-stop-request-failed>
<external-prs-update>
external-prs-update
</external-prs-update>
<external-prs-update-no-match>
external-prs-update-no-match
</external-prs-update-no-match>
<external-credit-update>
external-credit-update
</external-credit-update>
<external-credit-update-no-match>
external-credit-update-no-match
</external-credit-update-no-match>
<external-update-failed>
external-update-failed
</external-update-failed>
<duration-time>
duration-time
</duration-time>
<activation-bearer-ctrl-accept>
activation-bearer-ctrl-accept
</activation-bearer-ctrl-accept>
<activation-bearer-ctrl-reject>
activation-bearer-ctrl-reject
</activation-bearer-ctrl-reject>
<activation-bearer-ctrl-upgrade>
activation-bearer-ctrl-upgrade
</activation-bearer-ctrl-upgrade>
<activation-bearer-ctrl-downgrade>
activation-bearer-ctrl-downgrade
</activation-bearer-ctrl-downgrade>
<modification-bearer-ctrl-accept>
modification-bearer-ctrl-accept
</modification-bearer-ctrl-accept>
<modification-bearer-ctrl-deactivate>
modification-bearer-ctrl-deactivate
</modification-bearer-ctrl-deactivate>
<modification-bearer-ctrl-upgrade>
modification-bearer-ctrl-upgrade
</modification-bearer-ctrl-upgrade>
```

```

<modification-bearer-ctrl-downgrade>
  modification-bearer-ctrl-downgrade
</modification-bearer-ctrl-downgrade>
<activation-no-bearer-ctrl-accept>
  activation-no-bearer-ctrl-accept
</activation-no-bearer-ctrl-accept>
<activation-no-bearer-ctrl-reject>
  activation-no-bearer-ctrl-reject
</activation-no-bearer-ctrl-reject>
<activation-no-bearer-ctrl-downgrade>
  activation-no-bearer-ctrl-downgrade
</activation-no-bearer-ctrl-downgrade>
<modification-no-bearer-ctrl-accept>
  modification-no-bearer-ctrl-accept
</modification-no-bearer-ctrl-accept>
<modification-no-bearer-ctrl-deactivate>
  modification-no-bearer-ctrl-deactivate
</modification-no-bearer-ctrl-deactivate>
<modification-no-bearer-ctrl-downgrade>
  modification-no-bearer-ctrl-downgrade
</modification-no-bearer-ctrl-downgrade>
<das-information>....</das-information>
<pras-information>....</pras-information>
<ccas-information>....</ccas-information>
<service-class-information>....</service-class-information>
<service-identifier-information>....</service-identifier-information>
<rate-group-information>....</rate-group-information>
<authorization-discard-information>....</authorization-discard-information>
</sbcc-statistics-information>
</ggsn-interface>

```

**Description** Service-based charging statistics

### <sbcc-statistics-information>

#### Usage

```

<ggsn-interface-information>
<ggsn-interface>
  <sbcc-statistics-information>
    <prepaid-request>
      prepaid-request
    </prepaid-request>
    <rating-request>
      rating-request
    </rating-request>
    <prepaid-user>
      prepaid-user
    </prepaid-user>
    <prepaid-context>
      prepaid-context
    </prepaid-context>
    <prepaid-pdp-creates-attempted>
      prepaid-pdp-creates-attempted
    </prepaid-pdp-creates-attempted>
  
```

```
<prepaid-pdp-creates-failed>
  prepaid-pdp-creates-failed
</prepaid-pdp-creates-failed>
<pdp-initiated-deactivation>
  pdp-initiated-deactivation
</pdp-initiated-deactivation>
<credit-start-request-attempted>
  credit-start-request-attempted
</credit-start-request-attempted>
<credit-start-request-failed>
  credit-start-request-failed
</credit-start-request-failed>
<rating-initial-request-attempted>
  rating-initial-request-attempted
</rating-initial-request-attempted>
<rating-initial-request-failed>
  rating-initial-request-failed
</rating-initial-request-failed>
<rating-update-request-attempted>
  rating-update-request-attempted
</rating-update-request-attempted>
<rating-update-request-failed>
  rating-update-request-failed
</rating-update-request-failed>
<credit-update-request-attempted>
  credit-update-request-attempted
</credit-update-request-attempted>
<credit-update-request-failed>
  credit-update-request-failed
</credit-update-request-failed>
<credit-stop-request-attempted>
  credit-stop-request-attempted
</credit-stop-request-attempted>
<credit-stop-request-failed>
  credit-stop-request-failed
</credit-stop-request-failed>
<external-prs-update>
  external-prs-update
</external-prs-update>
<external-prs-update-no-match>
  external-prs-update-no-match
</external-prs-update-no-match>
<external-credit-update>
  external-credit-update
</external-credit-update>
<external-credit-update-no-match>
  external-credit-update-no-match
</external-credit-update-no-match>
<external-update-failed>
  external-update-failed
</external-update-failed>
<duration-time>
  duration-time
</duration-time>
<activation-bearer-ctrl-accept>
  activation-bearer-ctrl-accept
```

```

</activation-bearer-ctrl-accept>
<activation-bearer-ctrl-reject>
  activation-bearer-ctrl-reject
</activation-bearer-ctrl-reject>
<activation-bearer-ctrl-upgrade>
  activation-bearer-ctrl-upgrade
</activation-bearer-ctrl-upgrade>
<activation-bearer-ctrl-downgrade>
  activation-bearer-ctrl-downgrade
</activation-bearer-ctrl-downgrade>
<modification-bearer-ctrl-accept>
  modification-bearer-ctrl-accept
</modification-bearer-ctrl-accept>
<modification-bearer-ctrl-deactivate>
  modification-bearer-ctrl-deactivate
</modification-bearer-ctrl-deactivate>
<modification-bearer-ctrl-upgrade>
  modification-bearer-ctrl-upgrade
</modification-bearer-ctrl-upgrade>
<modification-bearer-ctrl-downgrade>
  modification-bearer-ctrl-downgrade
</modification-bearer-ctrl-downgrade>
<activation-no-bearer-ctrl-accept>
  activation-no-bearer-ctrl-accept
</activation-no-bearer-ctrl-accept>
<activation-no-bearer-ctrl-reject>
  activation-no-bearer-ctrl-reject
</activation-no-bearer-ctrl-reject>
<activation-no-bearer-ctrl-downgrade>
  activation-no-bearer-ctrl-downgrade
</activation-no-bearer-ctrl-downgrade>
<modification-no-bearer-ctrl-accept>
  modification-no-bearer-ctrl-accept
</modification-no-bearer-ctrl-accept>
<modification-no-bearer-ctrl-deactivate>
  modification-no-bearer-ctrl-deactivate
</modification-no-bearer-ctrl-deactivate>
<modification-no-bearer-ctrl-downgrade>
  modification-no-bearer-ctrl-downgrade
</modification-no-bearer-ctrl-downgrade>
<das-information>....</das-information>
<pras-information>....</pras-information>
<ccas-information>....</ccas-information>
<service-class-information>....</service-class-information>
<service-identifier-information>....</service-identifier-information>
<rate-group-information>....</rate-group-information>
<authorization-discard-information>....</authorization-discard-information>
</sbcc-statistics-information>
</ggsn-interface>
</ggsn-interface-information>

```

**Description** Service-based charging statistics

## &lt;sbcc-statistics-information&gt;

## Usage

```

<ggsn-statistics>
<sbcc-statistics-information>
  <prepaid-request>
    prepaid-request
  </prepaid-request>
  <rating-request>
    rating-request
  </rating-request>
  <prepaid-user>
    prepaid-user
  </prepaid-user>
  <prepaid-context>
    prepaid-context
  </prepaid-context>
  <prepaid-pdp-creates-attempted>
    prepaid-pdp-creates-attempted
  </prepaid-pdp-creates-attempted>
  <prepaid-pdp-creates-failed>
    prepaid-pdp-creates-failed
  </prepaid-pdp-creates-failed>
  <pdp-initiated-deactivation>
    pdp-initiated-deactivation
  </pdp-initiated-deactivation>
  <credit-start-request-attempted>
    credit-start-request-attempted
  </credit-start-request-attempted>
  <credit-start-request-failed>
    credit-start-request-failed
  </credit-start-request-failed>
  <rating-initial-request-attempted>
    rating-initial-request-attempted
  </rating-initial-request-attempted>
  <rating-initial-request-failed>
    rating-initial-request-failed
  </rating-initial-request-failed>
  <rating-update-request-attempted>
    rating-update-request-attempted
  </rating-update-request-attempted>
  <rating-update-request-failed>
    rating-update-request-failed
  </rating-update-request-failed>
  <credit-update-request-attempted>
    credit-update-request-attempted
  </credit-update-request-attempted>
  <credit-update-request-failed>
    credit-update-request-failed
  </credit-update-request-failed>
  <credit-stop-request-attempted>
    credit-stop-request-attempted
  </credit-stop-request-attempted>
  <credit-stop-request-failed>
    credit-stop-request-failed

```

```
</credit-stop-request-failed>
<external-prs-update>
  external-prs-update
</external-prs-update>
<external-prs-update-no-match>
  external-prs-update-no-match
</external-prs-update-no-match>
<external-credit-update>
  external-credit-update
</external-credit-update>
<external-credit-update-no-match>
  external-credit-update-no-match
</external-credit-update-no-match>
<external-update-failed>
  external-update-failed
</external-update-failed>
<duration-time>
  duration-time
</duration-time>
<activation-bearer-ctrl-accept>
  activation-bearer-ctrl-accept
</activation-bearer-ctrl-accept>
<activation-bearer-ctrl-reject>
  activation-bearer-ctrl-reject
</activation-bearer-ctrl-reject>
<activation-bearer-ctrl-upgrade>
  activation-bearer-ctrl-upgrade
</activation-bearer-ctrl-upgrade>
<activation-bearer-ctrl-downgrade>
  activation-bearer-ctrl-downgrade
</activation-bearer-ctrl-downgrade>
<modification-bearer-ctrl-accept>
  modification-bearer-ctrl-accept
</modification-bearer-ctrl-accept>
<modification-bearer-ctrl-deactivate>
  modification-bearer-ctrl-deactivate
</modification-bearer-ctrl-deactivate>
<modification-bearer-ctrl-upgrade>
  modification-bearer-ctrl-upgrade
</modification-bearer-ctrl-upgrade>
<modification-bearer-ctrl-downgrade>
  modification-bearer-ctrl-downgrade
</modification-bearer-ctrl-downgrade>
<activation-no-bearer-ctrl-accept>
  activation-no-bearer-ctrl-accept
</activation-no-bearer-ctrl-accept>
<activation-no-bearer-ctrl-reject>
  activation-no-bearer-ctrl-reject
</activation-no-bearer-ctrl-reject>
<activation-no-bearer-ctrl-downgrade>
  activation-no-bearer-ctrl-downgrade
</activation-no-bearer-ctrl-downgrade>
<modification-no-bearer-ctrl-accept>
  modification-no-bearer-ctrl-accept
</modification-no-bearer-ctrl-accept>
<modification-no-bearer-ctrl-deactivate>
```



```

        modification-no-bearer-ctrl-deactivate
    </modification-no-bearer-ctrl-deactivate>
    <modification-no-bearer-ctrl-downgrade>
        modification-no-bearer-ctrl-downgrade
    </modification-no-bearer-ctrl-downgrade>
    <das-information>....</das-information>
    <pras-information>....</pras-information>
    <ccas-information>....</ccas-information>
    <service-class-information>....</service-class-information>
    <service-identifier-information>....</service-identifier-information>
    <rate-group-information>....</rate-group-information>
    <authorization-discard-information>....</authorization-discard-information>
</sbcc-statistics-information>
</ggsn-statistics>

```

**Description** Service-based charging statistics

### <sbcc-statistics-information>

#### Usage

```

<apn-statistics-information>
<sbcc-statistics-information>
    <prepaid-request>
        prepaid-request
    </prepaid-request>
    <rating-request>
        rating-request
    </rating-request>
    <prepaid-user>
        prepaid-user
    </prepaid-user>
    <prepaid-context>
        prepaid-context
    </prepaid-context>
    <prepaid-pdp-creates-attempted>
        prepaid-pdp-creates-attempted
    </prepaid-pdp-creates-attempted>
    <prepaid-pdp-creates-failed>
        prepaid-pdp-creates-failed
    </prepaid-pdp-creates-failed>
    <pdp-initiated-deactivation>
        pdp-initiated-deactivation
    </pdp-initiated-deactivation>
    <credit-start-request-attempted>
        credit-start-request-attempted
    </credit-start-request-attempted>
    <credit-start-request-failed>
        credit-start-request-failed
    </credit-start-request-failed>
    <rating-initial-request-attempted>
        rating-initial-request-attempted
    </rating-initial-request-attempted>
    <rating-initial-request-failed>
        rating-initial-request-failed

```

```
</rating-initial-request-failed>
<rating-update-request-attempted>
  rating-update-request-attempted
</rating-update-request-attempted>
<rating-update-request-failed>
  rating-update-request-failed
</rating-update-request-failed>
<credit-update-request-attempted>
  credit-update-request-attempted
</credit-update-request-attempted>
<credit-update-request-failed>
  credit-update-request-failed
</credit-update-request-failed>
<credit-stop-request-attempted>
  credit-stop-request-attempted
</credit-stop-request-attempted>
<credit-stop-request-failed>
  credit-stop-request-failed
</credit-stop-request-failed>
<external-prs-update>
  external-prs-update
</external-prs-update>
<external-prs-update-no-match>
  external-prs-update-no-match
</external-prs-update-no-match>
<external-credit-update>
  external-credit-update
</external-credit-update>
<external-credit-update-no-match>
  external-credit-update-no-match
</external-credit-update-no-match>
<external-update-failed>
  external-update-failed
</external-update-failed>
<duration-time>
  duration-time
</duration-time>
<activation-bearer-ctrl-accept>
  activation-bearer-ctrl-accept
</activation-bearer-ctrl-accept>
<activation-bearer-ctrl-reject>
  activation-bearer-ctrl-reject
</activation-bearer-ctrl-reject>
<activation-bearer-ctrl-upgrade>
  activation-bearer-ctrl-upgrade
</activation-bearer-ctrl-upgrade>
<activation-bearer-ctrl-downgrade>
  activation-bearer-ctrl-downgrade
</activation-bearer-ctrl-downgrade>
<modification-bearer-ctrl-accept>
  modification-bearer-ctrl-accept
</modification-bearer-ctrl-accept>
<modification-bearer-ctrl-deactivate>
  modification-bearer-ctrl-deactivate
</modification-bearer-ctrl-deactivate>
<modification-bearer-ctrl-upgrade>
```

```

    modification-bearer-ctrl-upgrade
  </modification-bearer-ctrl-upgrade>
  <modification-bearer-ctrl-downgrade>
    modification-bearer-ctrl-downgrade
  </modification-bearer-ctrl-downgrade>
  <activation-no-bearer-ctrl-accept>
    activation-no-bearer-ctrl-accept
  </activation-no-bearer-ctrl-accept>
  <activation-no-bearer-ctrl-reject>
    activation-no-bearer-ctrl-reject
  </activation-no-bearer-ctrl-reject>
  <activation-no-bearer-ctrl-downgrade>
    activation-no-bearer-ctrl-downgrade
  </activation-no-bearer-ctrl-downgrade>
  <modification-no-bearer-ctrl-accept>
    modification-no-bearer-ctrl-accept
  </modification-no-bearer-ctrl-accept>
  <modification-no-bearer-ctrl-deactivate>
    modification-no-bearer-ctrl-deactivate
  </modification-no-bearer-ctrl-deactivate>
  <modification-no-bearer-ctrl-downgrade>
    modification-no-bearer-ctrl-downgrade
  </modification-no-bearer-ctrl-downgrade>
  <das-information>....</das-information>
  <pras-information>....</pras-information>
  <ccas-information>....</ccas-information>
  <service-class-information>....</service-class-information>
  <service-identifier-information>....</service-identifier-information>
  <rate-group-information>....</rate-group-information>
  <authorization-discard-information>....</authorization-discard-information>
</sbcc-statistics-information>
</apn-statistics-information>

```

**Description** Service-based charging statistics

## <service-based-charging-for-gx>

### Usage

```

<service-based-charging-for-gx>
  <ccr-statistics>....</ccr-statistics>
  <dynamic-charging-rules>
    dynamic-charging-rules
  </dynamic-charging-rules>
  <active-predifened-charging-rules>
    active-predifened-charging-rules
  </active-predifened-charging-rules>
  <active-predifened-charging-rulbases>
    active-predifened-charging-rulbases
  </active-predifened-charging-rulbases>
</service-based-charging-for-gx>

```

**Description** Service-base charging statistics for the gx interface

### <service-based-charging-for-gx>

#### Usage

```
<apn-statistics-information>
  <service-based-charging-for-gx>
    <ccr-statistics>....</ccr-statistics>
    <dynamic-charging-rules>
      dynamic-charging-rules
    </dynamic-charging-rules>
    <active-predifened-charging-rules>
      active-predifened-charging-rules
    </active-predifened-charging-rules>
    <active-predifened-charging-rulbases>
      active-predifened-charging-rulbases
    </active-predifened-charging-rulbases>
  </service-based-charging-for-gx>
</apn-statistics-information>
```

**Description** Service-base charging statistics for the gx interface

### <service-class-information>

#### Usage

```
<service-class-information>
  <service-class-statistics>....</service-class-statistics>
</service-class-information>
```

**Description** Information about a service class

### <service-class-information>

#### Usage

```
<sbcc-statistics-information>
  <service-class-information>
    <service-class-statistics>....</service-class-statistics>
  </service-class-information>
</sbcc-statistics-information>
```

**Description** Information about a service class

### <service-class-information>

#### Usage

```
<ggsn-interface>
  <sbcc-statistics-information>
    <service-class-information>
      <service-class-statistics>....</service-class-statistics>
    </service-class-information>
  </sbcc-statistics-information>
```

</ggsn-interface>

**Description** Information about a service class

### <service-class-information>

#### Usage

```
<ggsn-interface-information>
  <ggsn-interface>
    <sbcc-statistics-information>
      <service-class-information>
        <service-class-statistics>....</service-class-statistics>
      </service-class-information>
    </sbcc-statistics-information>
  </ggsn-interface>
</ggsn-interface-information>
```

**Description** Information about a service class

### <service-class-information>

#### Usage

```
<ggsn-statistics>
  <sbcc-statistics-information>
    <service-class-information>
      <service-class-statistics>....</service-class-statistics>
    </service-class-information>
  </sbcc-statistics-information>
</ggsn-statistics>
```

**Description** Information about a service class

### <service-class-information>

#### Usage

```
<apn-statistics-information>
  <sbcc-statistics-information>
    <service-class-information>
      <service-class-statistics>....</service-class-statistics>
    </service-class-information>
  </sbcc-statistics-information>
</apn-statistics-information>
```

**Description** Information about a service class

### <service-class-statistics>

#### Usage

```
<service-class-information>
```

```
<service-class-statistics>
  <service-class-identifier>
    service-class-identifier
  </service-class-identifier>
  <uplink-bytes>
    uplink-bytes
  </uplink-bytes>
  <downlink-bytes>
    downlink-bytes
  </downlink-bytes>
  <active-time>
    active-time
  </active-time>
</service-class-statistics>
</service-class-information>
```

**Description** Statistics for a service class

#### <service-class-statistics>

##### Usage

```
<sbcc-statistics-information>
  <service-class-information>
    <service-class-statistics>
      <service-class-identifier>
        service-class-identifier
      </service-class-identifier>
      <uplink-bytes>
        uplink-bytes
      </uplink-bytes>
      <downlink-bytes>
        downlink-bytes
      </downlink-bytes>
      <active-time>
        active-time
      </active-time>
    </service-class-statistics>
  </service-class-information>
</sbcc-statistics-information>
```

**Description** Statistics for a service class

#### <service-class-statistics>

##### Usage

```
<ggsn-interface>
  <sbcc-statistics-information>
    <service-class-information>
      <service-class-statistics>
        <service-class-identifier>
          service-class-identifier
        </service-class-identifier>
```

```

    <uplink-bytes>
      uplink-bytes
    </uplink-bytes>
    <downlink-bytes>
      downlink-bytes
    </downlink-bytes>
    <active-time>
      active-time
    </active-time>
  </service-class-statistics>
</service-class-information>
</sbcc-statistics-information>
</ggsn-interface>

```

**Description** Statistics for a service class

### <service-class-statistics>

#### Usage

```

<ggsn-interface-information>
  <ggsn-interface>
    <sbcc-statistics-information>
      <service-class-information>
        <service-class-statistics>
          <service-class-identifier>
            service-class-identifier
          </service-class-identifier>
          <uplink-bytes>
            uplink-bytes
          </uplink-bytes>
          <downlink-bytes>
            downlink-bytes
          </downlink-bytes>
          <active-time>
            active-time
          </active-time>
        </service-class-statistics>
      </service-class-information>
    </sbcc-statistics-information>
  </ggsn-interface>
</ggsn-interface-information>

```

**Description** Statistics for a service class

### <service-class-statistics>

#### Usage

```

<ggsn-statistics>
  <sbcc-statistics-information>
    <service-class-information>
      <service-class-statistics>
        <service-class-identifier>

```

```
        service-class-identifier
      </service-class-identifier>
    <uplink-bytes>
      uplink-bytes
    </uplink-bytes>
    <downlink-bytes>
      downlink-bytes
    </downlink-bytes>
    <active-time>
      active-time
    </active-time>
  </service-class-statistics>
</service-class-information>
</sbcc-statistics-information>
</ggsn-statistics>
```

**Description** Statistics for a service class

### <service-class-statistics>

#### Usage

```
<apn-statistics-information>
  <sbcc-statistics-information>
    <service-class-information>
      <service-class-statistics>
        <service-class-identifier>
          service-class-identifier
        </service-class-identifier>
        <uplink-bytes>
          uplink-bytes
        </uplink-bytes>
        <downlink-bytes>
          downlink-bytes
        </downlink-bytes>
        <active-time>
          active-time
        </active-time>
      </service-class-statistics>
    </service-class-information>
  </sbcc-statistics-information>
</apn-statistics-information>
```

**Description** Statistics for a service class

### <service-id-information>

#### Usage

```
<service-id-information>
  <service-id-statistics>....</service-id-statistics>
</service-id-information>
```



**Description** Information about a service ID

### <service-id-statistics>

#### Usage

```
<service-id-information>
  <service-id-statistics>
    <service-id-identifier>
      service-id-identifier
    </service-id-identifier>
    <uplink-bytes>
      uplink-bytes
    </uplink-bytes>
    <downlink-bytes>
      downlink-bytes
    </downlink-bytes>
    <transactions-charged>
      transactions-charged
    </transactions-charged>
    <transactions-failed>
      transactions-failed
    </transactions-failed>
    <transactions-start>
      transactions-start
    </transactions-start>
    <transactions-success>
      transactions-success
    </transactions-success>
  </service-id-statistics>
</service-id-information>
```

**Description** Statistics for a service ID

### <service-identifier-information>

#### Usage

```
<sbcc-statistics-information>
  <service-identifier-information>
</service-identifier-information>
</sbcc-statistics-information>
```

#### Description

### <service-identifier-information>

#### Usage

```
<ggsn-interface>
  <sbcc-statistics-information>
    <service-identifier-information>
  </service-identifier-information>
  </sbcc-statistics-information>
</ggsn-interface>
```

**Description****<service-identifier-information>****Usage**

```
<ggsn-interface-information>
  <ggsn-interface>
    <sbcc-statistics-information>
      <service-identifier-information>
    </service-identifier-information>
  </sbcc-statistics-information>
</ggsn-interface>
</ggsn-interface-information>
```

**Description****<service-identifier-information>****Usage**

```
<ggsn-statistics>
  <sbcc-statistics-information>
    <service-identifier-information>
  </service-identifier-information>
</sbcc-statistics-information>
</ggsn-statistics>
```

**Description****<service-identifier-information>****Usage**

```
<apn-statistics-information>
  <sbcc-statistics-information>
    <service-identifier-information>
  </service-identifier-information>
</sbcc-statistics-information>
</apn-statistics-information>
```

**Description****<sgsn-statistics>****Usage**

```
<sgsn-statistics-information>
  <sgsn-statistics>
    <address>
      address
    </address>
    <pdp-context-statistics>....</pdp-context-statistics>
    <uplink>....</uplink>
    <downlink>....</downlink>
    <gtp-error-statistics>....</gtp-error-statistics>
  </sgsn-statistics>
```

</sgsn-statistics-information>

**Description** Statistics information for an SGSN

### <sgsn-statistics-information>

**Usage**

```
<sgsn-statistics-information>
  <sgsn-statistics>....</sgsn-statistics>
</sgsn-statistics-information>
```

**Description** SGSN-level statistics for the GGSN service

### <signalling>

**Usage**

```
<signalling>
  <incoming>....</incoming>
  <outgoing>....</outgoing>
</signalling>
```

**Description** Signaling traffic

### <signalling>

**Usage**

```
<apn-statistics-information>
  <apn-statistics>
    <signalling>
      <incoming>....</incoming>
      <outgoing>....</outgoing>
    </signalling>
  </apn-statistics>
</apn-statistics-information>
```

**Description** Signaling traffic

### <software-action-results>

**Usage**

```
<software-action-results>
  <software-action-message>
    software-action-message
  </software-action-message>
</software-action-results>
```

**Description** Results of a GGSN software software command

## <tft-statistics>

### Usage

```
<ggsn-interface>
  <tft-statistics>
    <maximum-tft-filter-depth>
      maximum-tft-filter-depth
    </maximum-tft-filter-depth>
    <mean-tft-filter-depth>
      mean-tft-filter-depth
    </mean-tft-filter-depth>
  </tft-statistics>
</ggsn-interface>
```

### Description

## <tft-statistics>

### Usage

```
<ggsn-interface-information>
  <ggsn-interface>
    <tft-statistics>
      <maximum-tft-filter-depth>
        maximum-tft-filter-depth
      </maximum-tft-filter-depth>
      <mean-tft-filter-depth>
        mean-tft-filter-depth
      </mean-tft-filter-depth>
    </tft-statistics>
  </ggsn-interface>
</ggsn-interface-information>
```

### Description

## <traffic-flow-template>

### Usage

```
<pdp-context>
  <traffic-flow-template-information>
    <traffic-flow-template>
      <packet-filter-information>....</packet-filter-information>
    </traffic-flow-template>
  </traffic-flow-template-information>
</pdp-context>
```

**Description** TFT information

## <traffic-flow-template>

### Usage

```
<mobile-user-information>
  <mobile-user>
```

```

<pdp-context-information>
  <pdp-context>
    <traffic-flow-template-information>
      <traffic-flow-template>
        <packet-filter-information>....</packet-filter-information>
      </traffic-flow-template>
    </traffic-flow-template-information>
  </pdp-context>
</pdp-context-information>
</mobile-user>
</mobile-user-information>

```

**Description** TFT information

### <traffic-flow-template>

#### Usage

```

<pdp-context-deletion-results>
  <mobile-user>
    <pdp-context-information>
      <pdp-context>
        <traffic-flow-template-information>
          <traffic-flow-template>
            <packet-filter-information>....</packet-filter-information>
          </traffic-flow-template>
        </traffic-flow-template-information>
      </pdp-context>
    </pdp-context-information>
  </mobile-user>
</pdp-context-deletion-results>

```

**Description** TFT information

### <traffic-flow-template-information>

#### Usage

```

<pdp-context>
  <traffic-flow-template-information>
    <traffic-flow-template>....</traffic-flow-template>
  </traffic-flow-template-information>
</pdp-context>

```

**Description** Traffic flow templates (TFTs)

### <traffic-flow-template-information>

#### Usage

```

<mobile-user-information>
  <mobile-user>
    <pdp-context-information>
      <pdp-context>

```

```
<traffic-flow-template-information>
  <traffic-flow-template>....</traffic-flow-template>
</traffic-flow-template-information>
</pdp-context>
</pdp-context-information>
</mobile-user>
</mobile-user-information>
```

**Description** Traffic flow templates (TFTs)

### <traffic-flow-template-information>

#### Usage

```
<pdp-context-deletion-results>
  <mobile-user>
    <pdp-context-information>
      <pdp-context>
        <traffic-flow-template-information>
          <traffic-flow-template>....</traffic-flow-template>
        </traffic-flow-template-information>
      </pdp-context>
    </pdp-context-information>
  </mobile-user>
</pdp-context-deletion-results>
```

**Description** Traffic flow templates (TFTs)

### <uplink>

#### Usage

```
<uplink>
  <packets>
    packets
  </packets>
  <packets-ipv6>
    packets-ipv6
  </packets-ipv6>
  <bytes>
    bytes
  </bytes>
  <bytes-ipv6>
    bytes-ipv6
  </bytes-ipv6>
  <dropped-packets>
    dropped-packets
  </dropped-packets>
  <dropped-packets-ipv6>
    dropped-packets-ipv6
  </dropped-packets-ipv6>
  <dropped-bytes>
    dropped-bytes
  </dropped-bytes>
```

```

    <dropped-bytes-ipv6>
      dropped-bytes-ipv6
    </dropped-bytes-ipv6>
  </uplink>

```

**Description** Link traffic in the uplink direction

## <uplink>

### Usage

```

<ggsn-statistics>
  <uplink>
    <packets>
      packets
    </packets>
    <packets-ipv6>
      packets-ipv6
    </packets-ipv6>
    <bytes>
      bytes
    </bytes>
    <bytes-ipv6>
      bytes-ipv6
    </bytes-ipv6>
    <dropped-packets>
      dropped-packets
    </dropped-packets>
    <dropped-packets-ipv6>
      dropped-packets-ipv6
    </dropped-packets-ipv6>
    <dropped-bytes>
      dropped-bytes
    </dropped-bytes>
    <dropped-bytes-ipv6>
      dropped-bytes-ipv6
    </dropped-bytes-ipv6>
  </uplink>
</ggsn-statistics>

```

**Description** Link traffic in the uplink direction

## <uplink>

### Usage

```

<apn-statistics-information>
  <apn-statistics>
    <uplink>
      <packets>
        packets
      </packets>
      <packets-ipv6>
        packets-ipv6
      </packets-ipv6>
    </uplink>
  </apn-statistics>
</apn-statistics-information>

```

```
</packets-ipv6>
<bytes>
  bytes
</bytes>
<bytes-ipv6>
  bytes-ipv6
</bytes-ipv6>
<dropped-packets>
  dropped-packets
</dropped-packets>
<dropped-packets-ipv6>
  dropped-packets-ipv6
</dropped-packets-ipv6>
<dropped-bytes>
  dropped-bytes
</dropped-bytes>
<dropped-bytes-ipv6>
  dropped-bytes-ipv6
</dropped-bytes-ipv6>
</uplink>
</apn-statistics>
</apn-statistics-information>
```

**Description** Link traffic in the uplink direction

## <uplink>

### Usage

```
<sgsn-statistics-information>
<sgsn-statistics>
  <uplink>
    <packets>
      packets
    </packets>
    <packets-ipv6>
      packets-ipv6
    </packets-ipv6>
    <bytes>
      bytes
    </bytes>
    <bytes-ipv6>
      bytes-ipv6
    </bytes-ipv6>
    <dropped-packets>
      dropped-packets
    </dropped-packets>
    <dropped-packets-ipv6>
      dropped-packets-ipv6
    </dropped-packets-ipv6>
    <dropped-bytes>
      dropped-bytes
    </dropped-bytes>
    <dropped-bytes-ipv6>
      dropped-bytes-ipv6
```



```

        </dropped-bytes-ipv6>
    </uplink>
</sgsn-statistics>
</sgsn-statistics-information>

```

**Description** Link traffic in the uplink direction

### <user-category-line>

#### Usage

```

<ggsn-pdp-per-user-category>
  <user-category-line>
    <user-category>
      user-category
    </user-category>
    <pdp-active>
      pdp-active
    </pdp-active>
  </user-category-line>
</ggsn-pdp-per-user-category>

```

**Description**

### <user-category-line>

#### Usage

```

<apn-statistics-information>
  <apn-statistics>
    <ggsn-pdp-per-user-category>
      <user-category-line>
        <user-category>
          user-category
        </user-category>
        <pdp-active>
          pdp-active
        </pdp-active>
      </user-category-line>
    </ggsn-pdp-per-user-category>
  </apn-statistics>
</apn-statistics-information>

```

**Description**

### <version-unsupported-statistics>

#### Usage

```

<version-unsupported-statistics>
  <version-unsupported-received>
    version-unsupported-received
  </version-unsupported-received>
  <version-unsupported-transmitted>
    version-unsupported-transmitted

```

```
</version-unsupported-transmitted>
</version-unsupported-statistics>
```

**Description** Version unsupported message information

### <version-unsupported-statistics>

#### Usage

```
<gtp-statistics-information>
<gtp-statistics>
  <version-unsupported-statistics>
    <version-unsupported-received>
      version-unsupported-received
    </version-unsupported-received>
    <version-unsupported-transmitted>
      version-unsupported-transmitted
    </version-unsupported-transmitted>
  </version-unsupported-statistics>
</gtp-statistics>
</gtp-statistics-information>
```

**Description** Version unsupported message information

### <version-unsupported-statistics>

#### Usage

```
<gtp-prime-statistics-information>
<gtp-prime-statistics>
  <version-unsupported-statistics>
    <version-unsupported-received>
      version-unsupported-received
    </version-unsupported-received>
    <version-unsupported-transmitted>
      version-unsupported-transmitted
    </version-unsupported-transmitted>
  </version-unsupported-statistics>
</gtp-prime-statistics>
</gtp-prime-statistics-information>
```

**Description** Version unsupported message information

### <weighted-pdp-context-load>

#### Usage

```
<ggsn-statistics>
<weighted-pdp-context-load>
  <weighted-pdp-context-load-in-control>
    weighted-pdp-context-load-in-control
  </weighted-pdp-context-load-in-control>
  <weighted-pdp-context-load-in-payload>
    weighted-pdp-context-load-in-payload
  </weighted-pdp-context-load-in-payload>
</weighted-pdp-context-load>
</ggsn-statistics>
```

```

    </weighted-pdp-context-load-in-payload>
  </weighted-pdp-context-load>
</ggsn-statistics>

```

#### Description

### Summary of GRES Test Point Response Tags

#### <actions>

##### Usage

```

<test-point>
  <actions>
    <trigger-after>
      trigger-after
    </trigger-after>
    <delay>
      delay
    </delay>
    <trigger-count>
      trigger-count
    </trigger-count>
    <hold-database>
      hold-database
    </hold-database>
    <kernel-panic>
      kernel-panic
    </kernel-panic>
    <daemon-restart>
      daemon-restart
    </daemon-restart>
  </actions>
</test-point>

```

#### Description

#### <actions>

##### Usage

```

<gres-test-point-list>
  <test-point>
    <actions>
      <trigger-after>
        trigger-after
      </trigger-after>
      <delay>
        delay
      </delay>
      <trigger-count>
        trigger-count
      </trigger-count>
      <hold-database>
        hold-database
      </hold-database>
    </actions>
  </test-point>
</gres-test-point-list>

```

```
<kernel-panic>
  kernel-panic
</kernel-panic>
<daemon-restart>
  daemon-restart
</daemon-restart>
</actions>
</test-point>
</gres-test-point-list>
```

#### Description

#### <actions>

##### Usage

```
<gres-test-point-information>
<gres-test-point-list>
  <test-point>
    <actions>
      <trigger-after>
        trigger-after
      </trigger-after>
      <delay>
        delay
      </delay>
      <trigger-count>
        trigger-count
      </trigger-count>
      <hold-database>
        hold-database
      </hold-database>
      <kernel-panic>
        kernel-panic
      </kernel-panic>
      <daemon-restart>
        daemon-restart
      </daemon-restart>
    </actions>
  </test-point>
</gres-test-point-list>
</gres-test-point-information>
```

#### Description

#### <gres-test-point-error>

##### Usage

```
<gres-test-point-error>
  <message>
    message
  </message>
</gres-test-point-error>
```

**Description** Command failure message

### <gres-test-point-error>

**Usage**

```
<gres-test-point-information>
  <gres-test-point-error>
    <message>
      message
    </message>
  </gres-test-point-error>
</gres-test-point-information>
```

**Description** Command failure message

### <gres-test-point-information>

**Usage**

```
<gres-test-point-information>
  <gres-test-point-list>....</gres-test-point-list>
  <gres-test-point-error>....</gres-test-point-error>
</gres-test-point-information>
```

**Description**

### <gres-test-point-list>

**Usage**

```
<gres-test-point-list>
  <test-point>....</test-point>
</gres-test-point-list>
```

**Description** Test point information

### <gres-test-point-list>

**Usage**

```
<gres-test-point-information>
  <gres-test-point-list>
    <test-point>....</test-point>
  </gres-test-point-list>
</gres-test-point-information>
```

**Description** Test point information

### <test-point>

**Usage**

```
<test-point>
```

```
<id>
  id
</id>
<description>
  description
</description>
<state>
  state
</state>
<hit-count>
  hit-count
</hit-count>
<actions>....</actions>
</test-point>
```

**Description** Test point instance

### <test-point>

#### Usage

```
<gres-test-point-list>
  <test-point>
    <id>
      id
    </id>
    <description>
      description
    </description>
    <state>
      state
    </state>
    <hit-count>
      hit-count
    </hit-count>
    <actions>....</actions>
  </test-point>
</gres-test-point-list>
```

**Description** Test point instance

### <test-point>

#### Usage

```
<gres-test-point-information>
  <gres-test-point-list>
    <test-point>
      <id>
        id
      </id>
      <description>
        description
      </description>
```

```

    <state>
      state
    </state>
    <hit-count>
      hit-count
    </hit-count>
    <actions>....</actions>
  </test-point>
</gres-test-point-list>
</gres-test-point-information>

```

**Description** Test point instance

## Summary of UDP Forwarding Helper Response Tags

### <helper-statistics-information>

#### Usage

```

<helper-statistics-information>
<helper-statistics-service-information>....</helper-statistics-service-information>

</helper-statistics-information>

```

**Description** Port forwarding helper statistics

### <helper-statistics-service-information>

#### Usage

```

<helper-statistics-information>
<helper-statistics-service-information>
  <service-name>
    service-name
  </service-name>
  <received-packets>
    received-packets
  </received-packets>
  <forwarded-packets>
    forwarded-packets
  </forwarded-packets>
  <dropped-packets>
    dropped-packets
  </dropped-packets>
  <dropped-packets-nointerface>
    dropped-packets-nointerface
  </dropped-packets-nointerface>
  <dropped-packets-nortinst>
    dropped-packets-nortinst
  </dropped-packets-nortinst>
  <dropped-packets-badread>
    dropped-packets-badread
  </dropped-packets-badread>
  <dropped-packets-badsend>

```

```
        dropped-packets-badsend
      </dropped-packets-badsend>
      <dropped-packets-badaddr>
        dropped-packets-badaddr
      </dropped-packets-badaddr>
      <dropped-packets-nolocaladdr>
        dropped-packets-nolocaladdr
      </dropped-packets-nolocaladdr>
      <dropped-packets-noroute>
        dropped-packets-noroute
      </dropped-packets-noroute>
    </helper-statistics-service-information>
  </helper-statistics-information>
```

**Description** Port forwarding helper statistics for a particular service

---

## Summary of ICCP Response Tags

### <iccp-client>

#### Usage

```
<iccp-information>
  <iccp-client>
    <client-name>
      client-name
    </client-name>
    <client-rg-groups>
      client-rg-groups
    </client-rg-groups>
  </iccp-client>
</iccp-information>
```

#### Description

### <iccp-information>

#### Usage

```
<iccp-information>
  <iccp-peer>....</iccp-peer>
  <iccp-client>....</iccp-client>
</iccp-information>
```

**Description** Information about ICCP state

### <iccp-peer>

#### Usage

```
<iccp-information>
  <iccp-peer>
    <peer-address>
      peer-address
    </peer-address>
  </iccp-peer>
</iccp-information>
```



```

</peer-address>
<peer-conn-state-information>....</peer-conn-state-information>
<rg-groups>....</rg-groups>
</iccp-peer>
</iccp-information>

```

#### Description

#### <peer-conn-state>

##### Usage

```

<peer-conn-state>
  <peer-conn-tcp-state>
    peer-conn-tcp-state
  </peer-conn-tcp-state>
  <peer-conn-bfd-state>
    peer-conn-bfd-state
  </peer-conn-bfd-state>
</peer-conn-state>

```

#### Description

#### <peer-conn-state>

##### Usage

```

<iccp-information>
  <iccp-peer>
    <peer-conn-state-information>
      <peer-conn-state>
        <peer-conn-tcp-state>
          peer-conn-tcp-state
        </peer-conn-tcp-state>
        <peer-conn-bfd-state>
          peer-conn-bfd-state
        </peer-conn-bfd-state>
      </peer-conn-state>
    </peer-conn-state-information>
  </iccp-peer>
</iccp-information>

```

#### Description

#### <peer-conn-state-information>

##### Usage

```

<iccp-information>
  <iccp-peer>
    <peer-conn-state-information>
      <peer-conn-state>....</peer-conn-state>
    </peer-conn-state-information>
  </iccp-peer>
</iccp-information>

```

**Description** Peer Connection State

### <rg-group-entry>

**Usage**

```
<rg-group-entry>
  <redundancy-group>
    redundancy-group
  </redundancy-group>
  <rg-state>
    rg-state
  </rg-state>
</rg-group-entry>
```

**Description** Information about a particular ICCP Redundancy Group

### <rg-group-entry>

**Usage**

```
<iccp-information>
  <iccp-peer>
    <rg-groups>
      <rg-group-entry>
        <redundancy-group>
          redundancy-group
        </redundancy-group>
        <rg-state>
          rg-state
        </rg-state>
      </rg-group-entry>
    </rg-groups>
  </iccp-peer>
</iccp-information>
```

**Description** Information about a particular ICCP Redundancy Group

### <rg-groups>

**Usage**

```
<iccp-information>
  <iccp-peer>
    <rg-groups>
      <rg-group-entry>....</rg-group-entry>
    </rg-groups>
  </iccp-peer>
</iccp-information>
```

**Description** Redundancy Group Information configured for this peer

## Summary of IDP Response Tags

### <clear-idp-ssl-session-cache-information>

#### Usage

```
<clear-idp-ssl-session-cache-information>
  <cleared-ssl-session-cache-count>
    cleared-ssl-session-cache-count
  </cleared-ssl-session-cache-count>
</clear-idp-ssl-session-cache-information>
```

**Description** Information about cleared SSL session cache entries

### <get-idp-addos-application-information>

#### Usage

```
<get-idp-addos-application-information>
  <idp-addos-application>....</idp-addos-application>
</get-idp-addos-application-information>
```

**Description** Show IDP DDOS Application information

### <get-idp-ssl-session-cache-information>

#### Usage

```
<get-idp-ssl-session-cache-information>
  <idp-ssl-session-cache-count>
    idp-ssl-session-cache-count
  </idp-ssl-session-cache-count>
  <idp-ssl-session-cache-entry>....</idp-ssl-session-cache-entry>
</get-idp-ssl-session-cache-information>
```

**Description** Information about SSL session cache table

### <idp-addos-application>

#### Usage

```
<get-idp-addos-application-information>
  <idp-addos-application>
    <to-zone>
      to-zone
    </to-zone>
    <destination-address>
      destination-address
    </destination-address>
    <ddos-application>
      ddos-application
    </ddos-application>
    <connections-per-sec>
      connections-per-sec
```

```
</connections-per-sec>
<ddos-context>
  ddos-context
</ddos-context>
<contexts-per-tick>
  contexts-per-tick
</contexts-per-tick>
<context-value>
  context-value
</context-value>
<context-values-per-tick>
  context-values-per-tick
</context-values-per-tick>
</idp-addos-application>
</get-idp-addos-application-information>
```

#### Description

### <idp-anomaly>

#### Usage

```
<idp-anomaly-list>
  <idp-anomaly>
    <attack-service-name>
      attack-service-name
    </attack-service-name>
    <service-id>
      service-id
    </service-id>
    <attack-name>
      attack-name
    </attack-name>
    <attack-id>
      attack-id
    </attack-id>
  </idp-anomaly>
</idp-anomaly-list>
```

#### Description

### <idp-anomaly-list>

#### Usage

```
<idp-anomaly-list>
  <idp-anomaly>....</idp-anomaly>
</idp-anomaly-list>
```

#### Description

### <idp-application-statistics>

#### Usage

```
<idp-application-statistics-information>
```

```
<idp-application-statistics>
  <name>
    name
  </name>
  <value>
    value
  </value>
</idp-application-statistics>
</idp-application-statistics-information>
```

#### Description

### <idp-application-statistics-information>

#### Usage

```
<idp-application-statistics-information>
  <idp-application-statistics>....</idp-application-statistics>
</idp-application-statistics-information>
```

#### Description

### <idp-application-system-cache-information>

#### Usage

```
<idp-application-system-cache-information>
  <idp-application-system-cache-pic>....</idp-application-system-cache-pic>
</idp-application-system-cache-information>
```

#### Description

### <idp-application-system-cache-pic>

#### Usage

```
<idp-application-system-cache-information>
  <idp-application-system-cache-pic>
    <pic-name>
      pic-name
    </pic-name>

    <idp-application-system-cache-statistics>....</idp-application-system-cache-statistics>

  </idp-application-system-cache-pic>
</idp-application-system-cache-information>
```

#### Description

### <idp-application-system-cache-statistics>

#### Usage

```
<idp-application-system-cache-information>
  <idp-application-system-cache-pic>
    <idp-application-system-cache-statistics>
```

```
<virtual-system-identifier>
  virtual-system-identifier
</virtual-system-identifier>
<ip-address>
  ip-address
</ip-address>
<ipv6-address>
  ipv6-address
</ipv6-address>
<port>
  port
</port>
<protocol>
  protocol
</protocol>
<idp-service>
  idp-service
</idp-service>
<idp-application>
  idp-application
</idp-application>
</idp-application-system-cache-statistics>
</idp-application-system-cache-pic>
</idp-application-system-cache-information>
```

#### Description

### <idp-attack-description-information>

#### Usage

```
<idp-attack-description-information>
  <idp-attack-description>
    idp-attack-description
  </idp-attack-description>
</idp-attack-description-information>
```

#### Description

### <idp-attack-detail-information>

#### Usage

```
<idp-attack-detail-information>
  <idp-attack-detail-name>
    idp-attack-detail-name
  </idp-attack-detail-name>
  <idp-attack-detail-severity>
    idp-attack-detail-severity
  </idp-attack-detail-severity>
  <idp-attack-detail-category>
    idp-attack-detail-category
  </idp-attack-detail-category>
  <idp-attack-detail-recommended>
    idp-attack-detail-recommended
  </idp-attack-detail-recommended>
```

```

<idp-attack-detail-recoact>
  idp-attack-detail-recoact
</idp-attack-detail-recoact>
<idp-attack-detail-type>
  idp-attack-detail-type
</idp-attack-detail-type>
<idp-attack-detail-direction>
  idp-attack-detail-direction
</idp-attack-detail-direction>
<idp-attack-detail-falsepos>
  idp-attack-detail-falsepos
</idp-attack-detail-falsepos>
<idp-attack-detail-service>
  idp-attack-detail-service
</idp-attack-detail-service>
</idp-attack-detail-information>

```

#### Description

### <idp-attack-groups>

#### Usage

```

<idp-predefined-attack-groups>
  <idp-attack-groups>
    <name>
      name
    </name>
  </idp-attack-groups>
</idp-predefined-attack-groups>

```

#### Description

### <idp-attack-information>

#### Usage

```

<idp-attack-information>
  <idp-attack-statistics>....</idp-attack-statistics>
</idp-attack-information>

```

#### Description

### <idp-attack-statistics>

#### Usage

```

<idp-attack-information>
  <idp-attack-statistics>
    <name>
      name
    </name>
    <value>
      value
    </value>
  </idp-attack-statistics>

```

</idp-attack-information>

#### Description

### <idp-attacks-list>

#### Usage

```
<idp-predefined-attacks>
  <idp-attacks-list>
    <name>
      name
    </name>
  </idp-attacks-list>
</idp-predefined-attacks>
```

#### Description

### <idp-cache-aggregate-statistics>

#### Usage

```
<idp-cache-statistics>
  <idp-cache-aggregate-statistics>
    <total-memory-used>
      total-memory-used
    </total-memory-used>
    <cache-entries>
      cache-entries
    </cache-entries>
    <single-rules>
      single-rules
    </single-rules>
    <multiple-rules>
      multiple-rules
    </multiple-rules>
  </idp-cache-aggregate-statistics>
</idp-cache-statistics>
```

#### Description

### <idp-cache-rule>

#### Usage

```
<idp-cache-statistics>
  <idp-cache-rule-statistics>
    <idp-cache-rule>
      <rule-pointer>
        rule-pointer
      </rule-pointer>
      <rule-number>
        rule-number
      </rule-number>
    </idp-cache-rule>
  </idp-cache-rule-statistics>
</idp-cache-statistics>
```



```
</idp-service>
<protocol>
  protocol
</protocol>
<direction>
  direction
</direction>
<auxiliary-flow>
  auxiliary-flow
</auxiliary-flow>
<line-separator>
  line-separator
</line-separator>
<memory-bytes>
  memory-bytes
</memory-bytes>
</idp-cache-rule>
</idp-cache-rule-statistics>
</idp-cache-statistics>
```

#### Description

### <idp-cache-rule-statistics>

#### Usage

```
<idp-cache-statistics>
  <idp-cache-rule-statistics>
    <idp-cache-rule>....</idp-cache-rule>
  </idp-cache-rule-statistics>
</idp-cache-statistics>
```

#### Description

### <idp-cache-service>

#### Usage

```
<idp-cache-statistics>
  <idp-cache-service-memory-statistics>
    <idp-cache-service>
      <idp-service>
        idp-service
      </idp-service>
      <memory-in-kb>
        memory-in-kb
      </memory-in-kb>
    </idp-cache-service>
  </idp-cache-service-memory-statistics>
</idp-cache-statistics>
```

#### Description

## <idp-cache-service-memory-statistics>

### Usage

```
<idp-cache-statistics>
  <idp-cache-service-memory-statistics>
    <idp-cache-service>....</idp-cache-service>
  </idp-cache-service-memory-statistics>
</idp-cache-statistics>
```

### Description

## <idp-cache-statistics>

### Usage

```
<idp-cache-statistics>
  <idp-cache-rule-statistics>....</idp-cache-rule-statistics>
  <idp-cache-service-memory-statistics>....</idp-cache-service-memory-statistics>

  <idp-cache-aggregate-statistics>....</idp-cache-aggregate-statistics>
</idp-cache-statistics>
```

### Description

## <idp-context-list>

### Usage

```
<idp-context-list>
  <idp-contexts>....</idp-contexts>
</idp-context-list>
```

### Description

## <idp-contexts>

### Usage

```
<idp-context-list>
  <idp-contexts>
    <service-name>
      service-name
    </service-name>
    <context-name>
      context-name
    </context-name>
    <offset-id>
      offset-id
    </offset-id>
    <context-direction>
      context-direction
    </context-direction>
  </idp-contexts>
</idp-context-list>
```

**Description****<idp-counter-information>****Usage**

```
<idp-counter-information>
  <idp-counter-statistics>....</idp-counter-statistics>
</idp-counter-information>
```

**Description****<idp-counter-statistics>****Usage**

```
<idp-counter-information>
  <idp-counter-statistics>
    <name>
      name
    </name>
    <value>
      value
    </value>
  </idp-counter-statistics>
</idp-counter-information>
```

**Description****<idp-detail-status-information>****Usage**

```
<idp-detail-status-information>

<idp-status-detail-per-spu-information>....</idp-status-detail-per-spu-information>
</idp-detail-status-information>
```

**Description** IDP detail status information

**<idp-icmp-flow-count>****Usage**

```
<idp-status-information>
  <idp-icmp-flow-count>
    <current-icmp-flow-count>
      current-icmp-flow-count
    </current-icmp-flow-count>
    <maximum-icmp-flow-count>
      maximum-icmp-flow-count
    </maximum-icmp-flow-count>
    <maximum-icmp-flow-count-time>
      maximum-icmp-flow-count-time
    </maximum-icmp-flow-count-time>
    <date-time>
      date-time
    </date-time>
  </idp-icmp-flow-count>
</idp-status-information>
```

```
</date-time>
</idp-icmp-flow-count>
</idp-status-information>
```

#### Description

### <idp-kbits-per-second-information>

#### Usage

```
<idp-status-information>
  <idp-kbits-per-second-information>
    <idp-kbits-per-second>
      idp-kbits-per-second
    </idp-kbits-per-second>
    <idp-peak-kbits-per-second>
      idp-peak-kbits-per-second
    </idp-peak-kbits-per-second>
    <date-time>
      date-time
    </date-time>
  </idp-kbits-per-second-information>
</idp-status-information>
```

#### Description

### <idp-kbits-spu-per-second-information>

#### Usage

```
<idp-detail-status-information>
  <idp-status-detail-per-spu-information>
    <idp-kbits-spu-per-second-information>
      <idp-kbits-per-second>
        idp-kbits-per-second
      </idp-kbits-per-second>
      <idp-peak-kbits-per-second>
        idp-peak-kbits-per-second
      </idp-peak-kbits-per-second>
      <date-time>
        date-time
      </date-time>
    </idp-kbits-spu-per-second-information>
  </idp-status-detail-per-spu-information>
</idp-detail-status-information>
```

#### Description

### <idp-latency>

#### Usage

```
<idp-status-information>
  <idp-latency>
    <minimum-latency-time>
      minimum-latency-time
    </minimum-latency-time>
  </idp-latency>
</idp-status-information>
```

```

    </minimum-latency-time>
    <maximum-latency-time>
      maximum-latency-time
    </maximum-latency-time>
    <average-latency-time>
      average-latency-time
    </average-latency-time>
  </idp-latency>
</idp-status-information>

```

#### Description

### <idp-lsys-policy-association>

#### Usage

```

<idp-lsys-policy-association>
  <idp-lsys-policy-association-entry>....</idp-lsys-policy-association-entry>
</idp-lsys-policy-association>

```

**Description** Show IDP policy association

### <idp-lsys-policy-association-entry>

#### Usage

```

<idp-lsys-policy-association>
  <idp-lsys-policy-association-entry>
    <idp-policy-name>
      idp-policy-name
    </idp-policy-name>
    <logical-system-name>
      logical-system-name
    </logical-system-name>
  </idp-lsys-policy-association-entry>
</idp-lsys-policy-association>

```

#### Description

### <idp-memory-information>

#### Usage

```

<idp-memory-information>
  <idp-memory-per-spu-information>....</idp-memory-per-spu-information>
</idp-memory-information>

```

#### Description

### <idp-memory-per-spu-information>

#### Usage

```

<idp-memory-information>
  <idp-memory-per-spu-information>

```

```
<pic-name>
  pic-name
</pic-name>
<total-idp-data-plane-memory-in-mb>
  total-idp-data-plane-memory-in-mb
</total-idp-data-plane-memory-in-mb>
<total-idp-data-plane-memory-used-in-mb>
  total-idp-data-plane-memory-used-in-mb
</total-idp-data-plane-memory-used-in-mb>
<total-idp-data-plane-memory-used-in-kb>
  total-idp-data-plane-memory-used-in-kb
</total-idp-data-plane-memory-used-in-kb>
<total-idp-data-plane-memory-used-in-percentage>
  total-idp-data-plane-memory-used-in-percentage
</total-idp-data-plane-memory-used-in-percentage>
<total-idp-data-plane-memory-available-in-mb>
  total-idp-data-plane-memory-available-in-mb
</total-idp-data-plane-memory-available-in-mb>
<total-idp-data-plane-memory-available-in-kb>
  total-idp-data-plane-memory-available-in-kb
</total-idp-data-plane-memory-available-in-kb>
<total-idp-data-plane-memory-available-in-percentage>
  total-idp-data-plane-memory-available-in-percentage
</total-idp-data-plane-memory-available-in-percentage>
</idp-memory-per-spu-information>
</idp-memory-information>
```

#### Description

### <idp-mode>

#### Usage

```
<idp-mode>
  <idp-forwarding-process-mode>
    idp-forwarding-process-mode
  </idp-forwarding-process-mode>
</idp-mode>
```

#### Description

### <idp-other-flow-count>

#### Usage

```
<idp-status-information>
  <idp-other-flow-count>
    <current-other-flow-count>
      current-other-flow-count
    </current-other-flow-count>
    <maximum-other-flow-count>
      maximum-other-flow-count
    </maximum-other-flow-count>
    <maximum-other-flow-count-time>
      maximum-other-flow-count-time
    </maximum-other-flow-count-time>
```

```

<date-time>
  date-time
</date-time>
</idp-other-flow-count>
</idp-status-information>

```

#### Description

### <idp-packet-count>

#### Usage

```

<idp-status-information>
  <idp-packet-count>
    <icmp-packet-count>
      icmp-packet-count
    </icmp-packet-count>
    <tcp-packet-count>
      tcp-packet-count
    </tcp-packet-count>
    <udp-packet-count>
      udp-packet-count
    </udp-packet-count>
    <other-packet-count>
      other-packet-count
    </other-packet-count>
  </idp-packet-count>
</idp-status-information>

```

#### Description

### <idp-packets-per-second-information>

#### Usage

```

<idp-status-information>
  <idp-packets-per-second-information>
    <idp-packets-per-second>
      idp-packets-per-second
    </idp-packets-per-second>
    <idp-peak-packets-per-second>
      idp-peak-packets-per-second
    </idp-peak-packets-per-second>
    <date-time>
      date-time
    </date-time>
  </idp-packets-per-second-information>
</idp-status-information>

```

#### Description

### <idp-packets-spu-per-second-information>

#### Usage

```

<idp-detail-status-information>

```

```
<idp-status-detail-per-spu-information>
  <idp-packets-spu-per-second-information>
    <idp-packets-per-second>
      idp-packets-per-second
    </idp-packets-per-second>
    <idp-peak-packets-per-second>
      idp-peak-packets-per-second
    </idp-peak-packets-per-second>
    <date-time>
      date-time
    </date-time>
  </idp-packets-spu-per-second-information>
</idp-status-detail-per-spu-information>
</idp-detail-status-information>
```

**Description****<idp-policy>****Usage**

```
<idp-policy>
  <policy-load-templates>....</policy-load-templates>
</idp-policy>
```

**Description****<idp-policy-commit-status>****Usage**

```
<idp-policy-commit-status>
  <policy-commit-status-detail>
    policy-commit-status-detail
  </policy-commit-status-detail>
</idp-policy-commit-status>
```

**Description**    Status of ongoing policy compilation and load

**<idp-policy-list-entry>****Usage**

```
<idp-subscriber-policy-list>
  <idp-subscriber-policy-per-pic-information>
    <idp-policy-list-entry>
      <id>
        id
      </id>
      <policy-name>
        policy-name
      </policy-name>
      <sessions>
        sessions
      </sessions>
```



```
<memory>
  memory
</memory>
<idp-detector-versions>
  idp-detector-versions
</idp-detector-versions>
</idp-policy-list-entry>
</idp-subscriber-policy-per-pic-information>
</idp-subscriber-policy-list>
```

**Description** Information about policy list entry

### <idp-predefined-attack-groups>

**Usage**

```
<idp-predefined-attack-groups>
  <idp-attack-groups>....</idp-attack-groups>
</idp-predefined-attack-groups>
```

**Description** IDP predefined-attack-groups list

### <idp-predefined-attacks>

**Usage**

```
<idp-predefined-attacks>
  <idp-attacks-list>....</idp-attacks-list>
</idp-predefined-attacks>
```

**Description** IDP predefined-attacks list

### <idp-protocol-list>

**Usage**

```
<idp-protocol-list>
  <idp-protocols>....</idp-protocols>
</idp-protocol-list>
```

**Description**

### <idp-protocols>

**Usage**

```
<idp-protocol-list>
  <idp-protocols>
    <protocol-name>
      protocol-name
    </protocol-name>
    <protocol-type>
      protocol-type
    </protocol-type>
```

```
<port-number>
  port-number
</port-number>
<line-seperator>
  line-seperator
</line-seperator>
<scope>
  scope
</scope>
</idp-protocols>
</idp-protocol-list>
```

#### Description

### <idp-qmodule>

#### Usage

```
<idp-qmodule-information>
  <idp-qmodule>
    <name>
      name
    </name>
    <minimum-time>
      minimum-time
    </minimum-time>
    <maximum-time>
      maximum-time
    </maximum-time>
    <average-time>
      average-time
    </average-time>
    <number-of-packets>
      number-of-packets
    </number-of-packets>
    <number-of-packets-dropped>
      number-of-packets-dropped
    </number-of-packets-dropped>
    <number-of-error-packets>
      number-of-error-packets
    </number-of-error-packets>
  </idp-qmodule>
</idp-qmodule-information>
```

**Description** IDP q-module

### <idp-qmodule-information>

#### Usage

```
<idp-qmodule-information>
  <idp-qmodule>....</idp-qmodule>
</idp-qmodule-information>
```

**Description** IDP Q-Module information

### <idp-recent-security-package-information>

**Usage**

```
<idp-recent-security-package-information>
  <recent-security-package-version>
    recent-security-package-version
  </recent-security-package-version>
</idp-recent-security-package-information>
```

**Description** Information about last ten security db versions

### <idp-rule-information>

**Usage**

```
<idp-rule-information>
  <idp-rule-name>
    idp-rule-name
  </idp-rule-name>
  <idp-rulebase-type>....</idp-rulebase-type>
</idp-rule-information>
```

**Description**

### <idp-rule-information>

**Usage**

```
<idp-rulebase>
  <idp-rule-information>
    <idp-rule-name>
      idp-rule-name
    </idp-rule-name>
    <idp-rulebase-type>....</idp-rulebase-type>
  </idp-rule-information>
</idp-rulebase>
```

**Description**

### <idp-rulebase>

**Usage**

```
<idp-rulebase>
  <idp-rule-information>....</idp-rule-information>
</idp-rulebase>
```

**Description**

### <idp-rulebase-type>

#### Usage

```
<idp-rulebase-type>
  <idp-rulebase-type-name>
    idp-rulebase-type-name
  </idp-rulebase-type-name>
  <number-of-rules>
    number-of-rules
  </number-of-rules>
</idp-rulebase-type>
```

**Description** IDP rulebase type

### <idp-rulebase-type>

#### Usage

```
<idp-rule-information>
  <idp-rulebase-type>
    <idp-rulebase-type-name>
      idp-rulebase-type-name
    </idp-rulebase-type-name>
    <number-of-rules>
      number-of-rules
    </number-of-rules>
  </idp-rulebase-type>
</idp-rule-information>
```

**Description** IDP rulebase type

### <idp-rulebase-type>

#### Usage

```
<idp-rulebase>
  <idp-rule-information>
    <idp-rulebase-type>
      <idp-rulebase-type-name>
        idp-rulebase-type-name
      </idp-rulebase-type-name>
      <number-of-rules>
        number-of-rules
      </number-of-rules>
    </idp-rulebase-type>
  </idp-rule-information>
</idp-rulebase>
```

**Description** IDP rulebase type

**<idp-security-package-information>****Usage**

```

<idp-security-package-information>
  <security-package-version>
    security-package-version
  </security-package-version>
  <detector-version>
    detector-version
  </detector-version>
  <policy-template-version>
    policy-template-version
  </policy-template-version>
</idp-security-package-information>

```

**Description****<idp-session>****Usage**

```

<idp-session-information>
  <idp-session>
    <session-identifier>
      session-identifier
    </session-identifier>
    <source-address>
      source-address
    </source-address>
    <source-port>
      source-port
    </source-port>
    <destination-address>
      destination-address
    </destination-address>
    <destination-port>
      destination-port
    </destination-port>
    <from-zone>
      from-zone
    </from-zone>
    <to-zone>
      to-zone
    </to-zone>
    <protocol>
      protocol
    </protocol>
    <idp-service>
      idp-service
    </idp-service>
    <fw-service>
      fw-service
    </fw-service>
    <timeout>
      timeout

```

```
</timeout>
<maximum-timeout>
  maximum-timeout
</maximum-timeout>
</idp-session>
</idp-session-information>
```

**Description** IDP session

### <idp-session-count>

#### Usage

```
<idp-status-information>
<idp-session-count>
  <icmp-session-count>
    icmp-session-count
  </icmp-session-count>
  <tcp-session-count>
    tcp-session-count
  </tcp-session-count>
  <udp-session-count>
    udp-session-count
  </udp-session-count>
  <other-session-count>
    other-session-count
  </other-session-count>
</idp-session-count>
</idp-status-information>
```

**Description**

### <idp-session-information>

#### Usage

```
<idp-session-information>
  <idp-session>....</idp-session>
</idp-session-information>
```

**Description** IDP Session information

### <idp-session-summary-information>

#### Usage

```
<idp-session-summary-information>

<idp-session-summary-per-pic-information>....</idp-session-summary-per-pic-information>

  <total-sessions>
    total-sessions
  </total-sessions>
```

</idp-session-summary-information>

**Description** Summary information for IDP sessions

### <idp-session-summary-per-pic-information>

#### Usage

```
<idp-session-summary-information>
  <idp-session-summary-per-pic-information>
    <pic-name>
      pic-name
    </pic-name>
    <maximum-sessions>
      maximum-sessions
    </maximum-sessions>
    <active-sessions>
      active-sessions
    </active-sessions>
  </idp-session-summary-per-pic-information>
</idp-session-summary-information>
```

**Description** IDP session summary per PIC information

### <idp-spu-icmp-flow-count>

#### Usage

```
<idp-detail-status-information>
  <idp-status-detail-per-spu-information>
    <idp-spu-icmp-flow-count>
      <current-icmp-flow-count>
        current-icmp-flow-count
      </current-icmp-flow-count>
      <maximum-icmp-flow-count>
        maximum-icmp-flow-count
      </maximum-icmp-flow-count>
      <maximum-icmp-flow-count-time>
        maximum-icmp-flow-count-time
      </maximum-icmp-flow-count-time>
      <date-time>
        date-time
      </date-time>
    </idp-spu-icmp-flow-count>
  </idp-status-detail-per-spu-information>
</idp-detail-status-information>
```

**Description**

### <idp-spu-latency>

#### Usage

```
<idp-detail-status-information>
```

```
<idp-status-detail-per-spu-information>
  <idp-spu-latency>
    <minimum-latency-time>
      minimum-latency-time
    </minimum-latency-time>
    <maximum-latency-time>
      maximum-latency-time
    </maximum-latency-time>
    <average-latency-time>
      average-latency-time
    </average-latency-time>
  </idp-spu-latency>
</idp-status-detail-per-spu-information>
</idp-detail-status-information>
```

#### Description

### <idp-spu-other-flow-count>

#### Usage

```
<idp-detail-status-information>
  <idp-status-detail-per-spu-information>
    <idp-spu-other-flow-count>
      <current-other-flow-count>
        current-other-flow-count
      </current-other-flow-count>
      <maximum-other-flow-count>
        maximum-other-flow-count
      </maximum-other-flow-count>
      <maximum-other-flow-count-time>
        maximum-other-flow-count-time
      </maximum-other-flow-count-time>
      <date-time>
        date-time
      </date-time>
    </idp-spu-other-flow-count>
  </idp-status-detail-per-spu-information>
</idp-detail-status-information>
```

#### Description

### <idp-spu-packet-count>

#### Usage

```
<idp-detail-status-information>
  <idp-status-detail-per-spu-information>
    <idp-spu-packet-count>
      <icmp-packet-count>
        icmp-packet-count
      </icmp-packet-count>
      <tcp-packet-count>
        tcp-packet-count
      </tcp-packet-count>
      <udp-packet-count>
```



```

        udp-packet-count
      </udp-packet-count>
      <other-packet-count>
        other-packet-count
      </other-packet-count>
    </idp-spu-packet-count>
  </idp-status-detail-per-spu-information>
</idp-detail-status-information>

```

#### Description

### <idp-spu-session-count>

#### Usage

```

<idp-detail-status-information>
  <idp-status-detail-per-spu-information>
    <idp-spu-session-count>
      <icmp-session-count>
        icmp-session-count
      </icmp-session-count>
      <tcp-session-count>
        tcp-session-count
      </tcp-session-count>
      <udp-session-count>
        udp-session-count
      </udp-session-count>
      <other-session-count>
        other-session-count
      </other-session-count>
    </idp-spu-session-count>
  </idp-status-detail-per-spu-information>
</idp-detail-status-information>

```

#### Description

### <idp-spu-ssl-session-information>

#### Usage

```

<idp-detail-status-information>
  <idp-status-detail-per-spu-information>
    <idp-spu-ssl-session-information>
      <ssl-session-count>
        ssl-session-count
      </ssl-session-count>
    </idp-spu-ssl-session-information>
  </idp-status-detail-per-spu-information>
</idp-detail-status-information>

```

#### Description

## <idp-spu-tcp-flow-count>

### Usage

```
<idp-detail-status-information>
  <idp-status-detail-per-spu-information>
    <idp-spu-tcp-flow-count>
      <current-tcp-flow-count>
        current-tcp-flow-count
      </current-tcp-flow-count>
      <maximum-tcp-flow-count>
        maximum-tcp-flow-count
      </maximum-tcp-flow-count>
      <maximum-tcp-flow-count-time>
        maximum-tcp-flow-count-time
      </maximum-tcp-flow-count-time>
      <date-time>
        date-time
      </date-time>
    </idp-spu-tcp-flow-count>
  </idp-status-detail-per-spu-information>
</idp-detail-status-information>
```

### Description

## <idp-spu-udp-flow-count>

### Usage

```
<idp-detail-status-information>
  <idp-status-detail-per-spu-information>
    <idp-spu-udp-flow-count>
      <current-udp-flow-count>
        current-udp-flow-count
      </current-udp-flow-count>
      <maximum-udp-flow-count>
        maximum-udp-flow-count
      </maximum-udp-flow-count>
      <maximum-udp-flow-count-time>
        maximum-udp-flow-count-time
      </maximum-udp-flow-count-time>
      <date-time>
        date-time
      </date-time>
    </idp-spu-udp-flow-count>
  </idp-status-detail-per-spu-information>
</idp-detail-status-information>
```

### Description

## <idp-spu-uptime>

### Usage

```
<idp-detail-status-information>
  <idp-status-detail-per-spu-information>
```

```

<idp-spu-uptime>
  <pic-name>
    pic-name
  </pic-name>
  <idp-status>
    idp-status
  </idp-status>
  <date-time>
    date-time
  </date-time>
  <time-length>
    time-length
  </time-length>
</idp-spu-uptime>
</idp-status-detail-per-spu-information>
</idp-detail-status-information>

```

**Description****<idp-ssl-key-information>****Usage**

```

<idp-ssl-key-information>
  <idp-ssl-key-count>
    idp-ssl-key-count
  </idp-ssl-key-count>
  <idp-ssl-per-key-information>....</idp-ssl-per-key-information>
  <idp-ssl-port-per-key-information>....</idp-ssl-port-per-key-information>
</idp-ssl-key-information>

```

**Description** Show SSL keys and server addresses

**<idp-ssl-per-key-information>****Usage**

```

<idp-ssl-key-information>
  <idp-ssl-per-key-information>
    <key-name>
      key-name
    </key-name>
    <destination-address>
      destination-address
    </destination-address>
  </idp-ssl-per-key-information>
</idp-ssl-key-information>

```

**Description****<idp-ssl-port-per-key-information>****Usage**

```

<idp-ssl-key-information>

```

```
<idp-ssl-port-per-key-information>
  <key-name>
    key-name
  </key-name>
  <destination-address>
    destination-address
  </destination-address>
  <destination-port>
    destination-port
  </destination-port>
</idp-ssl-port-per-key-information>
</idp-ssl-key-information>
```

#### Description

### <idp-ssl-session-cache-entry>

#### Usage

```
<get-idp-ssl-session-cache-information>
  <idp-ssl-session-cache-entry>
    <ssl-session-identifier>
      ssl-session-identifier
    </ssl-session-identifier>
  </idp-ssl-session-cache-entry>
</get-idp-ssl-session-cache-information>
```

**Description** Information about SSL session cache entry

### <idp-ssl-session-information>

#### Usage

```
<idp-status-information>
  <idp-ssl-session-information>
    <ssl-session-count>
      ssl-session-count
    </ssl-session-count>
  </idp-ssl-session-information>
</idp-status-information>
```

#### Description

### <idp-status-detail-per-spu-information>

#### Usage

```
<idp-detail-status-information>
  <idp-status-detail-per-spu-information>
    <idp-spu-uptime>....</idp-spu-uptime>

    <idp-packets-spu-per-second-information>....</idp-packets-spu-per-second-information>

    <idp-kbits-spu-per-second-information>....</idp-kbits-spu-per-second-information>
```

```

<idp-spu-latency>....</idp-spu-latency>
<idp-spu-packet-count>....</idp-spu-packet-count>
<idp-spu-icmp-flow-count>....</idp-spu-icmp-flow-count>
<idp-spu-tcp-flow-count>....</idp-spu-tcp-flow-count>
<idp-spu-udp-flow-count>....</idp-spu-udp-flow-count>
<idp-spu-other-flow-count>....</idp-spu-other-flow-count>
<idp-spu-session-count>....</idp-spu-session-count>
<idp-spu-ssl-session-information>....</idp-spu-ssl-session-information>
</idp-status-detail-per-spu-information>
</idp-detail-status-information>

```

**Description** IDP status per PIC information

### <idp-status-information>

#### Usage

```

<idp-status-information>
  <idp-uptime>....</idp-uptime>
  <idp-packets-per-second-information>....</idp-packets-per-second-information>

  <idp-kbits-per-second-information>....</idp-kbits-per-second-information>
  <idp-latency>....</idp-latency>
  <idp-packet-count>....</idp-packet-count>
  <idp-icmp-flow-count>....</idp-icmp-flow-count>
  <idp-tcp-flow-count>....</idp-tcp-flow-count>
  <idp-udp-flow-count>....</idp-udp-flow-count>
  <idp-other-flow-count>....</idp-other-flow-count>
  <idp-session-count>....</idp-session-count>
  <idp-ssl-session-information>....</idp-ssl-session-information>
</idp-status-information>

```

**Description** IDP status information

### <idp-subscriber-policy-list>

#### Usage

```

<idp-subscriber-policy-list>
  <idp-subscriber-policy-per-pic-information>....</idp-subscriber-policy-per-pic-information>

</idp-subscriber-policy-list>

```

**Description** Information about loaded policy lists

### <idp-subscriber-policy-per-pic-information>

#### Usage

```

<idp-subscriber-policy-list>
  <idp-subscriber-policy-per-pic-information>
    <pic-name>
      pic-name

```

```
</pic-name>
<idp-policy-list-entry>....</idp-policy-list-entry>
</idp-subscriber-policy-per-pic-information>
</idp-subscriber-policy-list>
```

**Description** IDP subscriber policy per pic information

### <idp-tcp-flow-count>

#### Usage

```
<idp-status-information>
<idp-tcp-flow-count>
  <current-tcp-flow-count>
    current-tcp-flow-count
  </current-tcp-flow-count>
  <maximum-tcp-flow-count>
    maximum-tcp-flow-count
  </maximum-tcp-flow-count>
  <maximum-tcp-flow-count-time>
    maximum-tcp-flow-count-time
  </maximum-tcp-flow-count-time>
  <date-time>
    date-time
  </date-time>
</idp-tcp-flow-count>
</idp-status-information>
```

#### Description

### <idp-udp-flow-count>

#### Usage

```
<idp-status-information>
<idp-udp-flow-count>
  <current-udp-flow-count>
    current-udp-flow-count
  </current-udp-flow-count>
  <maximum-udp-flow-count>
    maximum-udp-flow-count
  </maximum-udp-flow-count>
  <maximum-udp-flow-count-time>
    maximum-udp-flow-count-time
  </maximum-udp-flow-count-time>
  <date-time>
    date-time
  </date-time>
</idp-udp-flow-count>
</idp-status-information>
```

#### Description

**<idp-uptime>****Usage**

```

<idp-status-information>
  <idp-uptime>
    <idp-status>
      idp-status
    </idp-status>
    <date-time>
      date-time
    </date-time>
    <time-length>
      time-length
    </time-length>
  </idp-uptime>
</idp-status-information>

```

**Description****<idp-version-information>****Usage**

```

<idp-version-information>
  <idp-policy-name>
    idp-policy-name
  </idp-policy-name>
  <idp-detector-version>
    idp-detector-version
  </idp-detector-version>
  <idp-sigdb-version>
    idp-sigdb-version
  </idp-sigdb-version>
</idp-version-information>

```

**Description****<policy-load-templates>****Usage**

```

<idp-policy>
  <policy-load-templates>
    <desc>
      desc
    </desc>
  </policy-load-templates>
</idp-policy>

```

**Description**

### <request-idp-policy-load>

**Usage**

```
<request-idp-policy-load>
  <idp-policy-load-result>
    idp-policy-load-result
  </idp-policy-load-result>
</request-idp-policy-load>
```

**Description** Show IDP security policy load information

### <request-idp-ssl-key-add>

**Usage**

```
<request-idp-ssl-key-add>
</request-idp-ssl-key-add>
```

**Description** Add SSL server and private key binding

### <request-idp-ssl-key-delete>

**Usage**

```
<request-idp-ssl-key-delete>
  <key-number>
    key-number
  </key-number>
  <server-number>
    server-number
  </server-number>
</request-idp-ssl-key-delete>
```

**Description** Delete SSL server and private key binding

### <secpack-download-policy-template-file>

**Usage**

```
<secpack-download-policy-template-file>
  <secpack-download-policy-template-file-detail>
    secpack-download-policy-template-file-detail
  </secpack-download-policy-template-file-detail>
</secpack-download-policy-template-file>
```

**Description** Current status of policy template file

### <secpack-download-policy-template-result>

**Usage**

```
<secpack-download-policy-template-result>
```



```
<secpack-download-policy-template-detail>
  secpack-download-policy-template-detail
</secpack-download-policy-template-detail>
</secpack-download-policy-template-result>
```

**Description** Status of policy templates operation

### <secpack-download-status>

**Usage**

```
<secpack-download-status>
  <secpack-download-status-detail>
    secpack-download-status-detail
  </secpack-download-status-detail>
</secpack-download-status>
```

**Description** Status of security package download

### <secpack-update-policy-template-result>

**Usage**

```
<secpack-update-policy-template-result>
  <secpack-update-policy-template-detail>
    secpack-update-policy-template-detail
  </secpack-update-policy-template-detail>
</secpack-update-policy-template-result>
```

**Description** Status of policy templates operation

### <secpack-update-status>

**Usage**

```
<secpack-update-status>
  <secpack-status-detail>
    secpack-status-detail
  </secpack-status-detail>
</secpack-update-status>
```

**Description** Status of security package install

---

## Summary of Interface Metadata Response Tags

### <channels>

**Usage**

```
<interface>
  <channels>
    <subunit>
      subunit
```

```
</subunit>
</channels>
</interface>
```

**Description** Channelized interface information

## <channels>

### Usage

```
<interface-metadata-information>
<interface>
  <channels>
    <subunit>
      subunit
    </subunit>
  </channels>
</interface>
</interface-metadata-information>
```

**Description** Channelized interface information

## <interface>

### Usage

```
<interface>
  <name>
    name
  </name>
  <long>
    long
  </long>
  <pics-per-slot>
    pics-per-slot
  </pics-per-slot>
  <ports-per-slot>
    ports-per-slot
  </ports-per-slot>
  <max-mtu>
    max-mtu
  </max-mtu>
  <flag>
    flag
  </flag>
  <channels>....</channels>
  <max-channelization>
    max-channelization
  </max-channelization>
  <product>
    product
  </product>
</interface>
```

**Description** Information about an interface

### <interface>

**Usage**

```
<interface-metadata-information>
  <interface>
    <name>
      name
    </name>
    <long>
      long
    </long>
    <pics-per-slot>
      pics-per-slot
    </pics-per-slot>
    <ports-per-slot>
      ports-per-slot
    </ports-per-slot>
    <max-mtu>
      max-mtu
    </max-mtu>
    <flag>
      flag
    </flag>
    <channels>....</channels>
    <max-channelization>
      max-channelization
    </max-channelization>
    <product>
      product
    </product>
  </interface>
</interface-metadata-information>
```

**Description** Information about an interface

### <interface-metadata-information>

**Usage**

```
<interface-metadata-information>
  <interface>....</interface>
</interface-metadata-information>
```

**Description** Information on one or more interfaces

## Summary of Interface Response Tags

---

### <active-alarms>

#### Usage

```
<physical-interface>
  <active-alarms>
    <type>
      type
    </type>
    <interface-alarms>....</interface-alarms>
  </active-alarms>
</physical-interface>
```

#### Description

### <active-alarms>

#### Usage

```
<physical-interface>
  <links>
    <link-entry>
      <active-alarms>
        <type>
          type
        </type>
        <interface-alarms>....</interface-alarms>
      </active-alarms>
    </link-entry>
  </links>
</physical-interface>
```

#### Description

### <active-alarms>

#### Usage

```
<interface-information>
  <physical-interface>
    <active-alarms>
      <type>
        type
      </type>
      <interface-alarms>....</interface-alarms>
    </active-alarms>
  </physical-interface>
</interface-information>
```

#### Description

## <active-alarms>

### Usage

```
<interface-information>
  <physical-interface>
    <links>
      <link-entry>
        <active-alarms>
          <type>
            type
          </type>
          <interface-alarms>....</interface-alarms>
        </active-alarms>
      </link-entry>
    </links>
  </physical-interface>
</interface-information>
```

### Description

## <active-alarms>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <active-alarms>
      <type>
        type
      </type>
      <interface-alarms>....</interface-alarms>
    </active-alarms>
  </physical-interface>
</interface-filter-information>
```

### Description

## <active-alarms>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <links>
      <link-entry>
        <active-alarms>
          <type>
            type
          </type>
          <interface-alarms>....</interface-alarms>
        </active-alarms>
      </link-entry>
    </links>
  </physical-interface>
```

</interface-filter-information>

#### Description

### <active-alarms>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <active-alarms>
      <type>
        type
      </type>
      <interface-alarms>....</interface-alarms>
    </active-alarms>
  </physical-interface>
</interface-policer-information>
```

#### Description

### <active-alarms>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <links>
      <link-entry>
        <active-alarms>
          <type>
            type
          </type>
          <interface-alarms>....</interface-alarms>
        </active-alarms>
      </link-entry>
    </links>
  </physical-interface>
</interface-policer-information>
```

#### Description

### <active-alarms-otn>

#### Usage

```
<physical-interface>
  <active-alarms-otn>
    <type-otn>
      type-otn
    </type-otn>
    <interface-alarms>....</interface-alarms>
  </active-alarms-otn>
</physical-interface>
```

**Description****<active-alarms-otn>****Usage**

```
<interface-information>
  <physical-interface>
    <active-alarms-otn>
      <type-otn>
        type-otn
      </type-otn>
    <interface-alarms>....</interface-alarms>
  </active-alarms-otn>
</physical-interface>
</interface-information>
```

**Description****<active-alarms-otn>****Usage**

```
<interface-filter-information>
  <physical-interface>
    <active-alarms-otn>
      <type-otn>
        type-otn
      </type-otn>
    <interface-alarms>....</interface-alarms>
  </active-alarms-otn>
</physical-interface>
</interface-filter-information>
```

**Description****<active-alarms-otn>****Usage**

```
<interface-policer-information>
  <physical-interface>
    <active-alarms-otn>
      <type-otn>
        type-otn
      </type-otn>
    <interface-alarms>....</interface-alarms>
  </active-alarms-otn>
</physical-interface>
</interface-policer-information>
```

**Description**

## <active-defects>

### Usage

```
<physical-interface>
  <active-defects>
    <type>
      type
    </type>
    <interface-alarms>....</interface-alarms>
  </active-defects>
</physical-interface>
```

### Description

## <active-defects>

### Usage

```
<physical-interface>
  <links>
    <link-entry>
      <active-defects>
        <type>
          type
        </type>
        <interface-alarms>....</interface-alarms>
      </active-defects>
    </link-entry>
  </links>
</physical-interface>
```

### Description

## <active-defects>

### Usage

```
<interface-information>
  <physical-interface>
    <active-defects>
      <type>
        type
      </type>
      <interface-alarms>....</interface-alarms>
    </active-defects>
  </physical-interface>
</interface-information>
```

### Description

## <active-defects>

### Usage

```
<interface-information>
```



```

<physical-interface>
  <links>
    <link-entry>
      <active-defects>
        <type>
          type
        </type>
        <interface-alarms>....</interface-alarms>
      </active-defects>
    </link-entry>
  </links>
</physical-interface>
</interface-information>

```

#### Description

<active-defects>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <active-defects>
      <type>
        type
      </type>
      <interface-alarms>....</interface-alarms>
    </active-defects>
  </physical-interface>
</interface-filter-information>

```

#### Description

<active-defects>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <links>
      <link-entry>
        <active-defects>
          <type>
            type
          </type>
          <interface-alarms>....</interface-alarms>
        </active-defects>
      </link-entry>
    </links>
  </physical-interface>
</interface-filter-information>

```

#### Description

## <active-defects>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <active-defects>
      <type>
        type
      </type>
    <interface-alarms>....</interface-alarms>
  </active-defects>
</physical-interface>
</interface-policer-information>
```

### Description

## <active-defects>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <links>
      <link-entry>
        <active-defects>
          <type>
            type
          </type>
        <interface-alarms>....</interface-alarms>
      </active-defects>
    </link-entry>
  </links>
</physical-interface>
</interface-policer-information>
```

### Description

## <active-defects-otn>

### Usage

```
<physical-interface>
  <active-defects-otn>
    <type-otn>
      type-otn
    </type-otn>
    <interface-alarms>....</interface-alarms>
  </active-defects-otn>
</physical-interface>
```

### Description

**<active-defects-otn>****Usage**

```

<interface-information>
  <physical-interface>
    <active-defects-otn>
      <type-otn>
        type-otn
      </type-otn>
    <interface-alarms>....</interface-alarms>
  </active-defects-otn>
</physical-interface>
</interface-information>

```

**Description****<active-defects-otn>****Usage**

```

<interface-filter-information>
  <physical-interface>
    <active-defects-otn>
      <type-otn>
        type-otn
      </type-otn>
    <interface-alarms>....</interface-alarms>
  </active-defects-otn>
</physical-interface>
</interface-filter-information>

```

**Description****<active-defects-otn>****Usage**

```

<interface-policer-information>
  <physical-interface>
    <active-defects-otn>
      <type-otn>
        type-otn
      </type-otn>
    <interface-alarms>....</interface-alarms>
  </active-defects-otn>
</physical-interface>
</interface-policer-information>

```

**Description****<address-family>****Usage**

```

<address-family>

```

```
<compression-device-name>
  compression-device-name
</compression-device-name>
<address-family-name>
  address-family-name
</address-family-name>
<multilink-bundle-name>
  multilink-bundle-name
</multilink-bundle-name>
<as-bundle-name>
  as-bundle-name
</as-bundle-name>
<ae-bundle-name>
  ae-bundle-name
</ae-bundle-name>
<es-sa-name>
  es-sa-name
</es-sa-name>
<es-sa-fail-count>
  es-sa-fail-count
</es-sa-fail-count>
<es-sa-xmt-seq-num>
  es-sa-xmt-seq-num
</es-sa-xmt-seq-num>
<es-sa-recv-seq-num>
  es-sa-recv-seq-num
</es-sa-recv-seq-num>
<mtu>
  mtu
</mtu>
<maximum-labels>
  maximum-labels
</maximum-labels>
<address-family-flags>....</address-family-flags>
<address-family-unnumbered>....</address-family-unnumbered>
<arp-respond-any-local-address>
  arp-respond-any-local-address
</arp-respond-any-local-address>
<pppoe-underlying-information>....</pppoe-underlying-information>
<generation>
  generation
</generation>
<route-table>
  route-table
</route-table>
<filter-information>....</filter-information>
<policer-information>....</policer-information>
<interface-address>....</interface-address>
<mac-validate-statistics>....</mac-validate-statistics>
<route-rpf-statistics>....</route-rpf-statistics>
<destination-class-statistics>....</destination-class-statistics>
<source-class-statistics>....</source-class-statistics>
</address-family>
```

## Description

&lt;address-family&gt;

## Usage

```

<logical-interface>
  <address-family>
    <compression-device-name>
      compression-device-name
    </compression-device-name>
    <address-family-name>
      address-family-name
    </address-family-name>
    <multilink-bundle-name>
      multilink-bundle-name
    </multilink-bundle-name>
    <as-bundle-name>
      as-bundle-name
    </as-bundle-name>
    <ae-bundle-name>
      ae-bundle-name
    </ae-bundle-name>
    <es-sa-name>
      es-sa-name
    </es-sa-name>
    <es-sa-fail-count>
      es-sa-fail-count
    </es-sa-fail-count>
    <es-sa-xmt-seq-num>
      es-sa-xmt-seq-num
    </es-sa-xmt-seq-num>
    <es-sa-recv-seq-num>
      es-sa-recv-seq-num
    </es-sa-recv-seq-num>
    <mtu>
      mtu
    </mtu>
    <maximum-labels>
      maximum-labels
    </maximum-labels>
    <address-family-flags>....</address-family-flags>
    <address-family-unnumbered>....</address-family-unnumbered>
    <arp-respond-any-local-address>
      arp-respond-any-local-address
    </arp-respond-any-local-address>
    <pppoe-underlying-information>....</pppoe-underlying-information>
    <generation>
      generation
    </generation>
    <route-table>
      route-table
    </route-table>
    <filter-information>....</filter-information>
    <policer-information>....</policer-information>
    <interface-address>....</interface-address>
    <mac-validate-statistics>....</mac-validate-statistics>

```

```
<route-rpf-statistics>....</route-rpf-statistics>
<destination-class-statistics>....</destination-class-statistics>
<source-class-statistics>....</source-class-statistics>
</address-family>
</logical-interface>
```

## Description

### <address-family>

#### Usage

```
<physical-interface>
<logical-interface>
  <address-family>
    <compression-device-name>
      compression-device-name
    </compression-device-name>
    <address-family-name>
      address-family-name
    </address-family-name>
    <multilink-bundle-name>
      multilink-bundle-name
    </multilink-bundle-name>
    <as-bundle-name>
      as-bundle-name
    </as-bundle-name>
    <ae-bundle-name>
      ae-bundle-name
    </ae-bundle-name>
    <es-sa-name>
      es-sa-name
    </es-sa-name>
    <es-sa-fail-count>
      es-sa-fail-count
    </es-sa-fail-count>
    <es-sa-xmt-seq-num>
      es-sa-xmt-seq-num
    </es-sa-xmt-seq-num>
    <es-sa-recv-seq-num>
      es-sa-recv-seq-num
    </es-sa-recv-seq-num>
    <mtu>
      mtu
    </mtu>
    <maximum-labels>
      maximum-labels
    </maximum-labels>
    <address-family-flags>....</address-family-flags>
    <address-family-unnumbered>....</address-family-unnumbered>
    <arp-respond-any-local-address>
      arp-respond-any-local-address
    </arp-respond-any-local-address>
    <pppoe-underlying-information>....</pppoe-underlying-information>
    <generation>
      generation
```

```

</generation>
<route-table>
  route-table
</route-table>
<filter-information>....</filter-information>
<policer-information>....</policer-information>
<interface-address>....</interface-address>
<mac-validate-statistics>....</mac-validate-statistics>
<route-rpf-statistics>....</route-rpf-statistics>
<destination-class-statistics>....</destination-class-statistics>
<source-class-statistics>....</source-class-statistics>
</address-family>
</logical-interface>
</physical-interface>

```

## Description

### <address-family>

## Usage

```

<interface-information>
<physical-interface>
<logical-interface>
  <address-family>
    <compression-device-name>
      compression-device-name
    </compression-device-name>
    <address-family-name>
      address-family-name
    </address-family-name>
    <multilink-bundle-name>
      multilink-bundle-name
    </multilink-bundle-name>
    <as-bundle-name>
      as-bundle-name
    </as-bundle-name>
    <ae-bundle-name>
      ae-bundle-name
    </ae-bundle-name>
    <es-sa-name>
      es-sa-name
    </es-sa-name>
    <es-sa-fail-count>
      es-sa-fail-count
    </es-sa-fail-count>
    <es-sa-xmt-seq-num>
      es-sa-xmt-seq-num
    </es-sa-xmt-seq-num>
    <es-sa-recv-seq-num>
      es-sa-recv-seq-num
    </es-sa-recv-seq-num>
    <mtu>
      mtu
    </mtu>
    <maximum-labels>

```

```
    maximum-labels
  </maximum-labels>
  <address-family-flags>....</address-family-flags>
  <address-family-unnumbered>....</address-family-unnumbered>
  <arp-respond-any-local-address>
    arp-respond-any-local-address
  </arp-respond-any-local-address>
  <pppoe-underlying-information>....</pppoe-underlying-information>
  <generation>
    generation
  </generation>
  <route-table>
    route-table
  </route-table>
  <filter-information>....</filter-information>
  <policer-information>....</policer-information>
  <interface-address>....</interface-address>
  <mac-validate-statistics>....</mac-validate-statistics>
  <route-rpf-statistics>....</route-rpf-statistics>
  <destination-class-statistics>....</destination-class-statistics>
  <source-class-statistics>....</source-class-statistics>
</address-family>
</logical-interface>
</physical-interface>
</interface-information>
```

## Description

<address-family>

## Usage

```
<interface-information>
  <logical-interface>
    <address-family>
      <compression-device-name>
        compression-device-name
      </compression-device-name>
      <address-family-name>
        address-family-name
      </address-family-name>
      <multilink-bundle-name>
        multilink-bundle-name
      </multilink-bundle-name>
      <as-bundle-name>
        as-bundle-name
      </as-bundle-name>
      <ae-bundle-name>
        ae-bundle-name
      </ae-bundle-name>
      <es-sa-name>
        es-sa-name
      </es-sa-name>
      <es-sa-fail-count>
        es-sa-fail-count
      </es-sa-fail-count>
```



```

<es-sa-xmt-seq-num>
  es-sa-xmt-seq-num
</es-sa-xmt-seq-num>
<es-sa-recv-seq-num>
  es-sa-recv-seq-num
</es-sa-recv-seq-num>
<mtu>
  mtu
</mtu>
<maximum-labels>
  maximum-labels
</maximum-labels>
<address-family-flags>....</address-family-flags>
<address-family-unnumbered>....</address-family-unnumbered>
<arp-respond-any-local-address>
  arp-respond-any-local-address
</arp-respond-any-local-address>
<pppoe-underlying-information>....</pppoe-underlying-information>
<generation>
  generation
</generation>
<route-table>
  route-table
</route-table>
<filter-information>....</filter-information>
<policer-information>....</policer-information>
<interface-address>....</interface-address>
<mac-validate-statistics>....</mac-validate-statistics>
<route-rpf-statistics>....</route-rpf-statistics>
<destination-class-statistics>....</destination-class-statistics>
<source-class-statistics>....</source-class-statistics>
</address-family>
</logical-interface>
</interface-information>

```

## Description

### <address-family>

#### Usage

```

<interface-filter-information>
<physical-interface>
<logical-interface>
  <address-family>
    <compression-device-name>
      compression-device-name
    </compression-device-name>
    <address-family-name>
      address-family-name
    </address-family-name>
    <multilink-bundle-name>
      multilink-bundle-name
    </multilink-bundle-name>
    <as-bundle-name>
      as-bundle-name

```

```

</as-bundle-name>
<ae-bundle-name>
  ae-bundle-name
</ae-bundle-name>
<es-sa-name>
  es-sa-name
</es-sa-name>
<es-sa-fail-count>
  es-sa-fail-count
</es-sa-fail-count>
<es-sa-xmt-seq-num>
  es-sa-xmt-seq-num
</es-sa-xmt-seq-num>
<es-sa-recv-seq-num>
  es-sa-recv-seq-num
</es-sa-recv-seq-num>
<mtu>
  mtu
</mtu>
<maximum-labels>
  maximum-labels
</maximum-labels>
<address-family-flags>....</address-family-flags>
<address-family-unnumbered>....</address-family-unnumbered>
<arp-respond-any-local-address>
  arp-respond-any-local-address
</arp-respond-any-local-address>
<pppoe-underlying-information>....</pppoe-underlying-information>
<generation>
  generation
</generation>
<route-table>
  route-table
</route-table>
<filter-information>....</filter-information>
<policer-information>....</policer-information>
<interface-address>....</interface-address>
<mac-validate-statistics>....</mac-validate-statistics>
<route-rpf-statistics>....</route-rpf-statistics>
<destination-class-statistics>....</destination-class-statistics>
<source-class-statistics>....</source-class-statistics>
</address-family>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

## Description

### <address-family>

#### Usage

```

<interface-filter-information>
<logical-interface>
  <address-family>
    <compression-device-name>

```

```
    compression-device-name
  </compression-device-name>
  <address-family-name>
    address-family-name
  </address-family-name>
  <multilink-bundle-name>
    multilink-bundle-name
  </multilink-bundle-name>
  <as-bundle-name>
    as-bundle-name
  </as-bundle-name>
  <ae-bundle-name>
    ae-bundle-name
  </ae-bundle-name>
  <es-sa-name>
    es-sa-name
  </es-sa-name>
  <es-sa-fail-count>
    es-sa-fail-count
  </es-sa-fail-count>
  <es-sa-xmt-seq-num>
    es-sa-xmt-seq-num
  </es-sa-xmt-seq-num>
  <es-sa-recv-seq-num>
    es-sa-recv-seq-num
  </es-sa-recv-seq-num>
  <mtu>
    mtu
  </mtu>
  <maximum-labels>
    maximum-labels
  </maximum-labels>
  <address-family-flags>....</address-family-flags>
  <address-family-unnumbered>....</address-family-unnumbered>
  <arp-respond-any-local-address>
    arp-respond-any-local-address
  </arp-respond-any-local-address>
  <pppoe-underlying-information>....</pppoe-underlying-information>
  <generation>
    generation
  </generation>
  <route-table>
    route-table
  </route-table>
  <filter-information>....</filter-information>
  <policer-information>....</policer-information>
  <interface-address>....</interface-address>
  <mac-validate-statistics>....</mac-validate-statistics>
  <route-rpf-statistics>....</route-rpf-statistics>
  <destination-class-statistics>....</destination-class-statistics>
  <source-class-statistics>....</source-class-statistics>
</address-family>
</logical-interface>
</interface-filter-information>
```

**Description****<address-family>****Usage**

```
<interface-policer-information>
<physical-interface>
<logical-interface>
  <address-family>
    <compression-device-name>
      compression-device-name
    </compression-device-name>
    <address-family-name>
      address-family-name
    </address-family-name>
    <multilink-bundle-name>
      multilink-bundle-name
    </multilink-bundle-name>
    <as-bundle-name>
      as-bundle-name
    </as-bundle-name>
    <ae-bundle-name>
      ae-bundle-name
    </ae-bundle-name>
    <es-sa-name>
      es-sa-name
    </es-sa-name>
    <es-sa-fail-count>
      es-sa-fail-count
    </es-sa-fail-count>
    <es-sa-xmt-seq-num>
      es-sa-xmt-seq-num
    </es-sa-xmt-seq-num>
    <es-sa-recv-seq-num>
      es-sa-recv-seq-num
    </es-sa-recv-seq-num>
    <mtu>
      mtu
    </mtu>
    <maximum-labels>
      maximum-labels
    </maximum-labels>
    <address-family-flags>....</address-family-flags>
    <address-family-unnumbered>....</address-family-unnumbered>
    <arp-respond-any-local-address>
      arp-respond-any-local-address
    </arp-respond-any-local-address>
    <pppoe-underlying-information>....</pppoe-underlying-information>
    <generation>
      generation
    </generation>
    <route-table>
      route-table
    </route-table>
    <filter-information>....</filter-information>
    <policer-information>....</policer-information>
```

```

<interface-address>....</interface-address>
<mac-validate-statistics>....</mac-validate-statistics>
<route-rpf-statistics>....</route-rpf-statistics>
<destination-class-statistics>....</destination-class-statistics>
<source-class-statistics>....</source-class-statistics>
</address-family>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

## Description

### <address-family>

#### Usage

```

<interface-policer-information>
<logical-interface>
<address-family>
  <compression-device-name>
    compression-device-name
  </compression-device-name>
  <address-family-name>
    address-family-name
  </address-family-name>
  <multilink-bundle-name>
    multilink-bundle-name
  </multilink-bundle-name>
  <as-bundle-name>
    as-bundle-name
  </as-bundle-name>
  <ae-bundle-name>
    ae-bundle-name
  </ae-bundle-name>
  <es-sa-name>
    es-sa-name
  </es-sa-name>
  <es-sa-fail-count>
    es-sa-fail-count
  </es-sa-fail-count>
  <es-sa-xmt-seq-num>
    es-sa-xmt-seq-num
  </es-sa-xmt-seq-num>
  <es-sa-recv-seq-num>
    es-sa-recv-seq-num
  </es-sa-recv-seq-num>
  <mtu>
    mtu
  </mtu>
  <maximum-labels>
    maximum-labels
  </maximum-labels>
  <address-family-flags>....</address-family-flags>
  <address-family-unnumbered>....</address-family-unnumbered>
  <arp-respond-any-local-address>
    arp-respond-any-local-address

```

```
</arp-respond-any-local-address>
<pppoe-underlying-information>....</pppoe-underlying-information>
<generation>
  generation
</generation>
<route-table>
  route-table
</route-table>
<filter-information>....</filter-information>
<policer-information>....</policer-information>
<interface-address>....</interface-address>
<mac-validate-statistics>....</mac-validate-statistics>
<route-rpf-statistics>....</route-rpf-statistics>
<destination-class-statistics>....</destination-class-statistics>
<source-class-statistics>....</source-class-statistics>
</address-family>
</logical-interface>
</interface-policer-information>
```

#### Description

### <address-family-flags>

#### Usage

```
<address-family-flags>
<iff-none>
  iff-none
</iff-none>
<iff-primary>
  iff-primary
</iff-primary>
<iff-redirects>
  iff-redirects
</iff-redirects>
<iff-no-redirects>
  iff-no-redirects
</iff-no-redirects>
<iff-no-neighbor-learn>
  iff-no-neighbor-learn
</iff-no-neighbor-learn>
<iff-targeted-broadcast>
  iff-targeted-broadcast
</iff-targeted-broadcast>
<iff-sendbcst-pkt-to-re>
  iff-sendbcst-pkt-to-re
</iff-sendbcst-pkt-to-re>
<iff-hard-down>
  iff-hard-down
</iff-hard-down>
<iff-down>
  iff-down
</iff-down>
<iff-up>
  iff-up
</iff-up>
```

```
<iff-func1>
  iff-func1
</iff-func1>
<iff-func2>
  iff-func2
</iff-func2>
<iff-is-primary>
  iff-is-primary
</iff-is-primary>
<iff-recv-options>
  iff-recv-options
</iff-recv-options>
<iff-recv-ttl-exceeded>
  iff-recv-ttl-exceeded
</iff-recv-ttl-exceeded>
<iff-dst-class-usage>
  iff-dst-class-usage
</iff-dst-class-usage>
<iff-src-class-input>
  iff-src-class-input
</iff-src-class-input>
<iff-src-class-output>
  iff-src-class-output
</iff-src-class-output>
<iff-mtu-user-conf>
  iff-mtu-user-conf
</iff-mtu-user-conf>
<iff-mac-validate-strict>
  iff-mac-validate-strict
</iff-mac-validate-strict>
<iff-mac-validate-loose>
  iff-mac-validate-loose
</iff-mac-validate-loose>
<iff-rpf-check>
  iff-rpf-check
</iff-rpf-check>
<iff-rpf-loose-mode>
  iff-rpf-loose-mode
</iff-rpf-loose-mode>
<iff-sample-input>
  iff-sample-input
</iff-sample-input>
<iff-sample-output>
  iff-sample-output
</iff-sample-output>
<iff-no-async-notification>
  iff-no-async-notification
</iff-no-async-notification>
<iff-negotiate-address>
  iff-negotiate-address
</iff-negotiate-address>
<iff-port-mode-trunk>
  iff-port-mode-trunk
</iff-port-mode-trunk>
<iff-mtu-protocol-adj>
  iff-mtu-protocol-adj
```

```
</iff-mtu-protocol-adj>
<iff-unnumbered>
  iff-unnumbered
</iff-unnumbered>
<iff-tcc-mpls>
  iff-tcc-mpls
</iff-tcc-mpls>
<iff-tcc-inet>
  iff-tcc-inet
</iff-tcc-inet>
<iff-tcc-inet6>
  iff-tcc-inet6
</iff-tcc-inet6>
<iff-tcc-iso>
  iff-tcc-iso
</iff-tcc-iso>
<iff-port-mode-isid-trunk>
  iff-port-mode-isid-trunk
</iff-port-mode-isid-trunk>
<generic-value>
  generic-value
</generic-value>
</address-family-flags>
```

#### Description

<address-family-flags>

#### Usage

```
<address-family>
<address-family-flags>
  <iff-none>
    iff-none
  </iff-none>
  <iff-primary>
    iff-primary
  </iff-primary>
  <iff-redirects>
    iff-redirects
  </iff-redirects>
  <iff-no-redirects>
    iff-no-redirects
  </iff-no-redirects>
  <iff-no-neighbor-learn>
    iff-no-neighbor-learn
  </iff-no-neighbor-learn>
  <iff-targeted-broadcast>
    iff-targeted-broadcast
  </iff-targeted-broadcast>
  <iff-sendbcast-pkt-to-re>
    iff-sendbcast-pkt-to-re
  </iff-sendbcast-pkt-to-re>
  <iff-hard-down>
    iff-hard-down
  </iff-hard-down>
```



```
<iff-down>
  iff-down
</iff-down>
<iff-up>
  iff-up
</iff-up>
<iff-func1>
  iff-func1
</iff-func1>
<iff-func2>
  iff-func2
</iff-func2>
<iff-is-primary>
  iff-is-primary
</iff-is-primary>
<iff-recv-options>
  iff-recv-options
</iff-recv-options>
<iff-recv-ttl-exceeded>
  iff-recv-ttl-exceeded
</iff-recv-ttl-exceeded>
<iff-dst-class-usage>
  iff-dst-class-usage
</iff-dst-class-usage>
<iff-src-class-input>
  iff-src-class-input
</iff-src-class-input>
<iff-src-class-output>
  iff-src-class-output
</iff-src-class-output>
<iff-mtu-user-conf>
  iff-mtu-user-conf
</iff-mtu-user-conf>
<iff-mac-validate-strict>
  iff-mac-validate-strict
</iff-mac-validate-strict>
<iff-mac-validate-loose>
  iff-mac-validate-loose
</iff-mac-validate-loose>
<iff-rpf-check>
  iff-rpf-check
</iff-rpf-check>
<iff-rpf-loose-mode>
  iff-rpf-loose-mode
</iff-rpf-loose-mode>
<iff-sample-input>
  iff-sample-input
</iff-sample-input>
<iff-sample-output>
  iff-sample-output
</iff-sample-output>
<iff-no-async-notification>
  iff-no-async-notification
</iff-no-async-notification>
<iff-negotiate-address>
  iff-negotiate-address
```

```
</iff-negotiate-address>
<iff-port-mode-trunk>
  iff-port-mode-trunk
</iff-port-mode-trunk>
<iff-mtu-protocol-adj>
  iff-mtu-protocol-adj
</iff-mtu-protocol-adj>
<iff-unnumbered>
  iff-unnumbered
</iff-unnumbered>
<iff-tcc-mpls>
  iff-tcc-mpls
</iff-tcc-mpls>
<iff-tcc-inet>
  iff-tcc-inet
</iff-tcc-inet>
<iff-tcc-inet6>
  iff-tcc-inet6
</iff-tcc-inet6>
<iff-tcc-iso>
  iff-tcc-iso
</iff-tcc-iso>
<iff-port-mode-isid-trunk>
  iff-port-mode-isid-trunk
</iff-port-mode-isid-trunk>
<generic-value>
  generic-value
</generic-value>
</address-family-flags>
</address-family>
```

#### Description

### <address-family-flags>

#### Usage

```
<logical-interface>
<address-family>
  <address-family-flags>
    <iff-none>
      iff-none
    </iff-none>
    <iff-primary>
      iff-primary
    </iff-primary>
    <iff-redirects>
      iff-redirects
    </iff-redirects>
    <iff-no-redirects>
      iff-no-redirects
    </iff-no-redirects>
    <iff-no-neighbor-learn>
      iff-no-neighbor-learn
    </iff-no-neighbor-learn>
    <iff-targeted-broadcast>
```

```
    iff-targeted-broadcast
  </iff-targeted-broadcast>
  <iff-sendbcast-pkt-to-re>
    iff-sendbcast-pkt-to-re
  </iff-sendbcast-pkt-to-re>
  <iff-hard-down>
    iff-hard-down
  </iff-hard-down>
  <iff-down>
    iff-down
  </iff-down>
  <iff-up>
    iff-up
  </iff-up>
  <iff-func1>
    iff-func1
  </iff-func1>
  <iff-func2>
    iff-func2
  </iff-func2>
  <iff-is-primary>
    iff-is-primary
  </iff-is-primary>
  <iff-recv-options>
    iff-recv-options
  </iff-recv-options>
  <iff-recv-ttl-exceeded>
    iff-recv-ttl-exceeded
  </iff-recv-ttl-exceeded>
  <iff-dst-class-usage>
    iff-dst-class-usage
  </iff-dst-class-usage>
  <iff-src-class-input>
    iff-src-class-input
  </iff-src-class-input>
  <iff-src-class-output>
    iff-src-class-output
  </iff-src-class-output>
  <iff-mtu-user-conf>
    iff-mtu-user-conf
  </iff-mtu-user-conf>
  <iff-mac-validate-strict>
    iff-mac-validate-strict
  </iff-mac-validate-strict>
  <iff-mac-validate-loose>
    iff-mac-validate-loose
  </iff-mac-validate-loose>
  <iff-rpf-check>
    iff-rpf-check
  </iff-rpf-check>
  <iff-rpf-loose-mode>
    iff-rpf-loose-mode
  </iff-rpf-loose-mode>
  <iff-sample-input>
    iff-sample-input
  </iff-sample-input>
```

```
<iff-sample-output>
  iff-sample-output
</iff-sample-output>
<iff-no-asynch-notification>
  iff-no-asynch-notification
</iff-no-asynch-notification>
<iff-negotiate-address>
  iff-negotiate-address
</iff-negotiate-address>
<iff-port-mode-trunk>
  iff-port-mode-trunk
</iff-port-mode-trunk>
<iff-mtu-protocol-adj>
  iff-mtu-protocol-adj
</iff-mtu-protocol-adj>
<iff-unnumbered>
  iff-unnumbered
</iff-unnumbered>
<iff-tcc-mpls>
  iff-tcc-mpls
</iff-tcc-mpls>
<iff-tcc-inet>
  iff-tcc-inet
</iff-tcc-inet>
<iff-tcc-inet6>
  iff-tcc-inet6
</iff-tcc-inet6>
<iff-tcc-iso>
  iff-tcc-iso
</iff-tcc-iso>
<iff-port-mode-isid-trunk>
  iff-port-mode-isid-trunk
</iff-port-mode-isid-trunk>
<generic-value>
  generic-value
</generic-value>
</address-family-flags>
</address-family>
</logical-interface>
```

#### Description

### <address-family-flags>

#### Usage

```
<physical-interface>
<logical-interface>
  <address-family>
    <address-family-flags>
      <iff-none>
        iff-none
      </iff-none>
      <iff-primary>
        iff-primary
      </iff-primary>
```

```
<iff-redirects>
  iff-redirects
</iff-redirects>
<iff-no-redirects>
  iff-no-redirects
</iff-no-redirects>
<iff-no-neighbor-learn>
  iff-no-neighbor-learn
</iff-no-neighbor-learn>
<iff-targeted-broadcast>
  iff-targeted-broadcast
</iff-targeted-broadcast>
<iff-sendbcst-pkt-to-re>
  iff-sendbcst-pkt-to-re
</iff-sendbcst-pkt-to-re>
<iff-hard-down>
  iff-hard-down
</iff-hard-down>
<iff-down>
  iff-down
</iff-down>
<iff-up>
  iff-up
</iff-up>
<iff-func1>
  iff-func1
</iff-func1>
<iff-func2>
  iff-func2
</iff-func2>
<iff-is-primary>
  iff-is-primary
</iff-is-primary>
<iff-recv-options>
  iff-recv-options
</iff-recv-options>
<iff-recv-ttl-exceeded>
  iff-recv-ttl-exceeded
</iff-recv-ttl-exceeded>
<iff-dst-class-usage>
  iff-dst-class-usage
</iff-dst-class-usage>
<iff-src-class-input>
  iff-src-class-input
</iff-src-class-input>
<iff-src-class-output>
  iff-src-class-output
</iff-src-class-output>
<iff-mtu-user-conf>
  iff-mtu-user-conf
</iff-mtu-user-conf>
<iff-mac-validate-strict>
  iff-mac-validate-strict
</iff-mac-validate-strict>
<iff-mac-validate-loose>
  iff-mac-validate-loose
```

```
</iff-mac-validate-loose>
<iff-rpf-check>
  iff-rpf-check
</iff-rpf-check>
<iff-rpf-loose-mode>
  iff-rpf-loose-mode
</iff-rpf-loose-mode>
<iff-sample-input>
  iff-sample-input
</iff-sample-input>
<iff-sample-output>
  iff-sample-output
</iff-sample-output>
<iff-no-async-notification>
  iff-no-async-notification
</iff-no-async-notification>
<iff-negotiate-address>
  iff-negotiate-address
</iff-negotiate-address>
<iff-port-mode-trunk>
  iff-port-mode-trunk
</iff-port-mode-trunk>
<iff-mtu-protocol-adj>
  iff-mtu-protocol-adj
</iff-mtu-protocol-adj>
<iff-unnumbered>
  iff-unnumbered
</iff-unnumbered>
<iff-tcc-mpls>
  iff-tcc-mpls
</iff-tcc-mpls>
<iff-tcc-inet>
  iff-tcc-inet
</iff-tcc-inet>
<iff-tcc-inet6>
  iff-tcc-inet6
</iff-tcc-inet6>
<iff-tcc-iso>
  iff-tcc-iso
</iff-tcc-iso>
<iff-port-mode-isid-trunk>
  iff-port-mode-isid-trunk
</iff-port-mode-isid-trunk>
<generic-value>
  generic-value
</generic-value>
</address-family-flags>
</address-family>
</logical-interface>
</physical-interface>
```

## Description

**<address-family-flags>****Usage**

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <address-family>
        <address-family-flags>
          <iff-none>
            iff-none
          </iff-none>
          <iff-primary>
            iff-primary
          </iff-primary>
          <iff-redirects>
            iff-redirects
          </iff-redirects>
          <iff-no-redirects>
            iff-no-redirects
          </iff-no-redirects>
          <iff-no-neighbor-learn>
            iff-no-neighbor-learn
          </iff-no-neighbor-learn>
          <iff-targeted-broadcast>
            iff-targeted-broadcast
          </iff-targeted-broadcast>
          <iff-sendbcst-pkt-to-re>
            iff-sendbcst-pkt-to-re
          </iff-sendbcst-pkt-to-re>
          <iff-hard-down>
            iff-hard-down
          </iff-hard-down>
          <iff-down>
            iff-down
          </iff-down>
          <iff-up>
            iff-up
          </iff-up>
          <iff-func1>
            iff-func1
          </iff-func1>
          <iff-func2>
            iff-func2
          </iff-func2>
          <iff-is-primary>
            iff-is-primary
          </iff-is-primary>
          <iff-recv-options>
            iff-recv-options
          </iff-recv-options>
          <iff-recv-ttl-exceeded>
            iff-recv-ttl-exceeded
          </iff-recv-ttl-exceeded>
          <iff-dst-class-usage>
            iff-dst-class-usage

```

```
</iff-dst-class-usage>
<iff-src-class-input>
  iff-src-class-input
</iff-src-class-input>
<iff-src-class-output>
  iff-src-class-output
</iff-src-class-output>
<iff-mtu-user-conf>
  iff-mtu-user-conf
</iff-mtu-user-conf>
<iff-mac-validate-strict>
  iff-mac-validate-strict
</iff-mac-validate-strict>
<iff-mac-validate-loose>
  iff-mac-validate-loose
</iff-mac-validate-loose>
<iff-rpf-check>
  iff-rpf-check
</iff-rpf-check>
<iff-rpf-loose-mode>
  iff-rpf-loose-mode
</iff-rpf-loose-mode>
<iff-sample-input>
  iff-sample-input
</iff-sample-input>
<iff-sample-output>
  iff-sample-output
</iff-sample-output>
<iff-no-async-notification>
  iff-no-async-notification
</iff-no-async-notification>
<iff-negotiate-address>
  iff-negotiate-address
</iff-negotiate-address>
<iff-port-mode-trunk>
  iff-port-mode-trunk
</iff-port-mode-trunk>
<iff-mtu-protocol-adj>
  iff-mtu-protocol-adj
</iff-mtu-protocol-adj>
<iff-unnumbered>
  iff-unnumbered
</iff-unnumbered>
<iff-tcc-mpls>
  iff-tcc-mpls
</iff-tcc-mpls>
<iff-tcc-inet>
  iff-tcc-inet
</iff-tcc-inet>
<iff-tcc-inet6>
  iff-tcc-inet6
</iff-tcc-inet6>
<iff-tcc-iso>
  iff-tcc-iso
</iff-tcc-iso>
<iff-port-mode-isid-trunk>
```



```

    ifff-port-mode-isid-trunk
  </iff-port-mode-isid-trunk>
  <generic-value>
    generic-value
  </generic-value>
</address-family-flags>
</address-family>
</logical-interface>
</physical-interface>
</interface-information>

```

## Description

### <address-family-flags>

#### Usage

```

<interface-information>
  <logical-interface>
    <address-family>
      <address-family-flags>
        <iff-none>
          iff-none
        </iff-none>
        <iff-primary>
          iff-primary
        </iff-primary>
        <iff-redirects>
          iff-redirects
        </iff-redirects>
        <iff-no-redirects>
          iff-no-redirects
        </iff-no-redirects>
        <iff-no-neighbor-learn>
          iff-no-neighbor-learn
        </iff-no-neighbor-learn>
        <iff-targeted-broadcast>
          iff-targeted-broadcast
        </iff-targeted-broadcast>
        <iff-sendbcast-pkt-to-re>
          iff-sendbcast-pkt-to-re
        </iff-sendbcast-pkt-to-re>
        <iff-hard-down>
          iff-hard-down
        </iff-hard-down>
        <iff-down>
          iff-down
        </iff-down>
        <iff-up>
          iff-up
        </iff-up>
        <iff-func1>
          iff-func1
        </iff-func1>
        <iff-func2>
          iff-func2

```

```
</iff-func2>
<iff-is-primary>
  iff-is-primary
</iff-is-primary>
<iff-recv-options>
  iff-recv-options
</iff-recv-options>
<iff-recv-ttl-exceeded>
  iff-recv-ttl-exceeded
</iff-recv-ttl-exceeded>
<iff-dst-class-usage>
  iff-dst-class-usage
</iff-dst-class-usage>
<iff-src-class-input>
  iff-src-class-input
</iff-src-class-input>
<iff-src-class-output>
  iff-src-class-output
</iff-src-class-output>
<iff-mtu-user-conf>
  iff-mtu-user-conf
</iff-mtu-user-conf>
<iff-mac-validate-strict>
  iff-mac-validate-strict
</iff-mac-validate-strict>
<iff-mac-validate-loose>
  iff-mac-validate-loose
</iff-mac-validate-loose>
<iff-rpf-check>
  iff-rpf-check
</iff-rpf-check>
<iff-rpf-loose-mode>
  iff-rpf-loose-mode
</iff-rpf-loose-mode>
<iff-sample-input>
  iff-sample-input
</iff-sample-input>
<iff-sample-output>
  iff-sample-output
</iff-sample-output>
<iff-no-async-notification>
  iff-no-async-notification
</iff-no-async-notification>
<iff-negotiate-address>
  iff-negotiate-address
</iff-negotiate-address>
<iff-port-mode-trunk>
  iff-port-mode-trunk
</iff-port-mode-trunk>
<iff-mtu-protocol-adj>
  iff-mtu-protocol-adj
</iff-mtu-protocol-adj>
<iff-unnumbered>
  iff-unnumbered
</iff-unnumbered>
<iff-tcc-mpls>
```

```

    ifff-tcc-mpls
  </iff-tcc-mpls>
  <iff-tcc-inet>
    ifff-tcc-inet
  </iff-tcc-inet>
  <iff-tcc-inet6>
    ifff-tcc-inet6
  </iff-tcc-inet6>
  <iff-tcc-iso>
    ifff-tcc-iso
  </iff-tcc-iso>
  <iff-port-mode-isid-trunk>
    ifff-port-mode-isid-trunk
  </iff-port-mode-isid-trunk>
  <generic-value>
    generic-value
  </generic-value>
</address-family-flags>
</address-family>
</logical-interface>
</interface-information>

```

## Description

### <address-family-flags>

#### Usage

```

<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <address-family>
      <address-family-flags>
        <iff-none>
          ifff-none
        </iff-none>
        <iff-primary>
          ifff-primary
        </iff-primary>
        <iff-redirects>
          ifff-redirects
        </iff-redirects>
        <iff-no-redirects>
          ifff-no-redirects
        </iff-no-redirects>
        <iff-no-neighbor-learn>
          ifff-no-neighbor-learn
        </iff-no-neighbor-learn>
        <iff-targeted-broadcast>
          ifff-targeted-broadcast
        </iff-targeted-broadcast>
        <iff-sendbcast-pkt-to-re>
          ifff-sendbcast-pkt-to-re
        </iff-sendbcast-pkt-to-re>
        <iff-hard-down>
          ifff-hard-down
      </address-family-flags>
    </address-family>
  </logical-interface>
  </physical-interface>
</interface-filter-information>

```

```
</iff-hard-down>
<iff-down>
  iff-down
</iff-down>
<iff-up>
  iff-up
</iff-up>
<iff-func1>
  iff-func1
</iff-func1>
<iff-func2>
  iff-func2
</iff-func2>
<iff-is-primary>
  iff-is-primary
</iff-is-primary>
<iff-recv-options>
  iff-recv-options
</iff-recv-options>
<iff-recv-ttl-exceeded>
  iff-recv-ttl-exceeded
</iff-recv-ttl-exceeded>
<iff-dst-class-usage>
  iff-dst-class-usage
</iff-dst-class-usage>
<iff-src-class-input>
  iff-src-class-input
</iff-src-class-input>
<iff-src-class-output>
  iff-src-class-output
</iff-src-class-output>
<iff-mtu-user-conf>
  iff-mtu-user-conf
</iff-mtu-user-conf>
<iff-mac-validate-strict>
  iff-mac-validate-strict
</iff-mac-validate-strict>
<iff-mac-validate-loose>
  iff-mac-validate-loose
</iff-mac-validate-loose>
<iff-rpf-check>
  iff-rpf-check
</iff-rpf-check>
<iff-rpf-loose-mode>
  iff-rpf-loose-mode
</iff-rpf-loose-mode>
<iff-sample-input>
  iff-sample-input
</iff-sample-input>
<iff-sample-output>
  iff-sample-output
</iff-sample-output>
<iff-no-async-notification>
  iff-no-async-notification
</iff-no-async-notification>
<iff-negotiate-address>
```

```

    iff-negotiate-address
  </iff-negotiate-address>
  <iff-port-mode-trunk>
    iff-port-mode-trunk
  </iff-port-mode-trunk>
  <iff-mtu-protocol-adj>
    iff-mtu-protocol-adj
  </iff-mtu-protocol-adj>
  <iff-unnumbered>
    iff-unnumbered
  </iff-unnumbered>
  <iff-tcc-mpls>
    iff-tcc-mpls
  </iff-tcc-mpls>
  <iff-tcc-inet>
    iff-tcc-inet
  </iff-tcc-inet>
  <iff-tcc-inet6>
    iff-tcc-inet6
  </iff-tcc-inet6>
  <iff-tcc-iso>
    iff-tcc-iso
  </iff-tcc-iso>
  <iff-port-mode-isid-trunk>
    iff-port-mode-isid-trunk
  </iff-port-mode-isid-trunk>
  <generic-value>
    generic-value
  </generic-value>
</address-family-flags>
</address-family>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

## Description

### <address-family-flags>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <address-family>
      <address-family-flags>
        <iff-none>
          iff-none
        </iff-none>
        <iff-primary>
          iff-primary
        </iff-primary>
        <iff-redirects>
          iff-redirects
        </iff-redirects>
        <iff-no-redirects>
          iff-no-redirects

```

```
</iff-no-redirects>
<iff-no-neighbor-learn>
  iff-no-neighbor-learn
</iff-no-neighbor-learn>
<iff-targeted-broadcast>
  iff-targeted-broadcast
</iff-targeted-broadcast>
<iff-sendbcst-pkt-to-re>
  iff-sendbcst-pkt-to-re
</iff-sendbcst-pkt-to-re>
<iff-hard-down>
  iff-hard-down
</iff-hard-down>
<iff-down>
  iff-down
</iff-down>
<iff-up>
  iff-up
</iff-up>
<iff-func1>
  iff-func1
</iff-func1>
<iff-func2>
  iff-func2
</iff-func2>
<iff-is-primary>
  iff-is-primary
</iff-is-primary>
<iff-recv-options>
  iff-recv-options
</iff-recv-options>
<iff-recv-ttl-exceeded>
  iff-recv-ttl-exceeded
</iff-recv-ttl-exceeded>
<iff-dst-class-usage>
  iff-dst-class-usage
</iff-dst-class-usage>
<iff-src-class-input>
  iff-src-class-input
</iff-src-class-input>
<iff-src-class-output>
  iff-src-class-output
</iff-src-class-output>
<iff-mtu-user-conf>
  iff-mtu-user-conf
</iff-mtu-user-conf>
<iff-mac-validate-strict>
  iff-mac-validate-strict
</iff-mac-validate-strict>
<iff-mac-validate-loose>
  iff-mac-validate-loose
</iff-mac-validate-loose>
<iff-rpf-check>
  iff-rpf-check
</iff-rpf-check>
<iff-rpf-loose-mode>
```

```

    iff-rpf-loose-mode
  </iff-rpf-loose-mode>
  <iff-sample-input>
    iff-sample-input
  </iff-sample-input>
  <iff-sample-output>
    iff-sample-output
  </iff-sample-output>
  <iff-no-async-notification>
    iff-no-async-notification
  </iff-no-async-notification>
  <iff-negotiate-address>
    iff-negotiate-address
  </iff-negotiate-address>
  <iff-port-mode-trunk>
    iff-port-mode-trunk
  </iff-port-mode-trunk>
  <iff-mtu-protocol-adj>
    iff-mtu-protocol-adj
  </iff-mtu-protocol-adj>
  <iff-unnumbered>
    iff-unnumbered
  </iff-unnumbered>
  <iff-tcc-mpls>
    iff-tcc-mpls
  </iff-tcc-mpls>
  <iff-tcc-inet>
    iff-tcc-inet
  </iff-tcc-inet>
  <iff-tcc-inet6>
    iff-tcc-inet6
  </iff-tcc-inet6>
  <iff-tcc-iso>
    iff-tcc-iso
  </iff-tcc-iso>
  <iff-port-mode-isid-trunk>
    iff-port-mode-isid-trunk
  </iff-port-mode-isid-trunk>
  <generic-value>
    generic-value
  </generic-value>
</address-family-flags>
</address-family>
</logical-interface>
</interface-filter-information>

```

## Description

### <address-family-flags>

#### Usage

```

<interface-policer-information>
  <physical-interface>
  <logical-interface>
  <address-family>

```

```
<address-family-flags>
  <iff-none>
    iff-none
  </iff-none>
  <iff-primary>
    iff-primary
  </iff-primary>
  <iff-redirects>
    iff-redirects
  </iff-redirects>
  <iff-no-redirects>
    iff-no-redirects
  </iff-no-redirects>
  <iff-no-neighbor-learn>
    iff-no-neighbor-learn
  </iff-no-neighbor-learn>
  <iff-targeted-broadcast>
    iff-targeted-broadcast
  </iff-targeted-broadcast>
  <iff-sendbcast-pkt-to-re>
    iff-sendbcast-pkt-to-re
  </iff-sendbcast-pkt-to-re>
  <iff-hard-down>
    iff-hard-down
  </iff-hard-down>
  <iff-down>
    iff-down
  </iff-down>
  <iff-up>
    iff-up
  </iff-up>
  <iff-func1>
    iff-func1
  </iff-func1>
  <iff-func2>
    iff-func2
  </iff-func2>
  <iff-is-primary>
    iff-is-primary
  </iff-is-primary>
  <iff-recv-options>
    iff-recv-options
  </iff-recv-options>
  <iff-recv-ttl-exceeded>
    iff-recv-ttl-exceeded
  </iff-recv-ttl-exceeded>
  <iff-dst-class-usage>
    iff-dst-class-usage
  </iff-dst-class-usage>
  <iff-src-class-input>
    iff-src-class-input
  </iff-src-class-input>
  <iff-src-class-output>
    iff-src-class-output
  </iff-src-class-output>
  <iff-mtu-user-conf>
```



```
    ifff-mtu-user-conf
  </iff-mtu-user-conf>
  <iff-mac-validate-strict>
    ifff-mac-validate-strict
  </iff-mac-validate-strict>
  <iff-mac-validate-loose>
    ifff-mac-validate-loose
  </iff-mac-validate-loose>
  <iff-rpf-check>
    ifff-rpf-check
  </iff-rpf-check>
  <iff-rpf-loose-mode>
    ifff-rpf-loose-mode
  </iff-rpf-loose-mode>
  <iff-sample-input>
    ifff-sample-input
  </iff-sample-input>
  <iff-sample-output>
    ifff-sample-output
  </iff-sample-output>
  <iff-no-async-notification>
    ifff-no-async-notification
  </iff-no-async-notification>
  <iff-negotiate-address>
    ifff-negotiate-address
  </iff-negotiate-address>
  <iff-port-mode-trunk>
    ifff-port-mode-trunk
  </iff-port-mode-trunk>
  <iff-mtu-protocol-adj>
    ifff-mtu-protocol-adj
  </iff-mtu-protocol-adj>
  <iff-unnumbered>
    ifff-unnumbered
  </iff-unnumbered>
  <iff-tcc-mpls>
    ifff-tcc-mpls
  </iff-tcc-mpls>
  <iff-tcc-inet>
    ifff-tcc-inet
  </iff-tcc-inet>
  <iff-tcc-inet6>
    ifff-tcc-inet6
  </iff-tcc-inet6>
  <iff-tcc-iso>
    ifff-tcc-iso
  </iff-tcc-iso>
  <iff-port-mode-isid-trunk>
    ifff-port-mode-isid-trunk
  </iff-port-mode-isid-trunk>
  <generic-value>
    generic-value
  </generic-value>
</address-family-flags>
</address-family>
</logical-interface>
```

```
</physical-interface>
</interface-policer-information>
```

## Description

### <address-family-flags>

#### Usage

```
<interface-policer-information>
<logical-interface>
  <address-family>
    <address-family-flags>
      <iff-none>
        iff-none
      </iff-none>
      <iff-primary>
        iff-primary
      </iff-primary>
      <iff-redirects>
        iff-redirects
      </iff-redirects>
      <iff-no-redirects>
        iff-no-redirects
      </iff-no-redirects>
      <iff-no-neighbor-learn>
        iff-no-neighbor-learn
      </iff-no-neighbor-learn>
      <iff-targeted-broadcast>
        iff-targeted-broadcast
      </iff-targeted-broadcast>
      <iff-sendbcast-pkt-to-re>
        iff-sendbcast-pkt-to-re
      </iff-sendbcast-pkt-to-re>
      <iff-hard-down>
        iff-hard-down
      </iff-hard-down>
      <iff-down>
        iff-down
      </iff-down>
      <iff-up>
        iff-up
      </iff-up>
      <iff-func1>
        iff-func1
      </iff-func1>
      <iff-func2>
        iff-func2
      </iff-func2>
      <iff-is-primary>
        iff-is-primary
      </iff-is-primary>
      <iff-recv-options>
        iff-recv-options
      </iff-recv-options>
      <iff-recv-ttl-exceeded>
```

```
iff-recv-ttl-exceeded
</iff-recv-ttl-exceeded>
<iff-dst-class-usage>
  iff-dst-class-usage
</iff-dst-class-usage>
<iff-src-class-input>
  iff-src-class-input
</iff-src-class-input>
<iff-src-class-output>
  iff-src-class-output
</iff-src-class-output>
<iff-mtu-user-conf>
  iff-mtu-user-conf
</iff-mtu-user-conf>
<iff-mac-validate-strict>
  iff-mac-validate-strict
</iff-mac-validate-strict>
<iff-mac-validate-loose>
  iff-mac-validate-loose
</iff-mac-validate-loose>
<iff-rpf-check>
  iff-rpf-check
</iff-rpf-check>
<iff-rpf-loose-mode>
  iff-rpf-loose-mode
</iff-rpf-loose-mode>
<iff-sample-input>
  iff-sample-input
</iff-sample-input>
<iff-sample-output>
  iff-sample-output
</iff-sample-output>
<iff-no-async-notification>
  iff-no-async-notification
</iff-no-async-notification>
<iff-negotiate-address>
  iff-negotiate-address
</iff-negotiate-address>
<iff-port-mode-trunk>
  iff-port-mode-trunk
</iff-port-mode-trunk>
<iff-mtu-protocol-adj>
  iff-mtu-protocol-adj
</iff-mtu-protocol-adj>
<iff-unnumbered>
  iff-unnumbered
</iff-unnumbered>
<iff-tcc-mpls>
  iff-tcc-mpls
</iff-tcc-mpls>
<iff-tcc-inet>
  iff-tcc-inet
</iff-tcc-inet>
<iff-tcc-inet6>
  iff-tcc-inet6
</iff-tcc-inet6>
```

```
<iff-tcc-iso>
  iff-tcc-iso
</iff-tcc-iso>
<iff-port-mode-isid-trunk>
  iff-port-mode-isid-trunk
</iff-port-mode-isid-trunk>
<generic-value>
  generic-value
</generic-value>
</address-family-flags>
</address-family>
</logical-interface>
</interface-policer-information>
```

#### Description

### <address-family-unnumbered>

#### Usage

```
<address-family>
  <address-family-unnumbered>
    <unnumbered-family-donor-interface-name>
      unnumbered-family-donor-interface-name
    </unnumbered-family-donor-interface-name>
    <unnumbered-family-donor-interface-index>
      unnumbered-family-donor-interface-index
    </unnumbered-family-donor-interface-index>
    <unnumbered-family-preferred-source-address>
      unnumbered-family-preferred-source-address
    </unnumbered-family-preferred-source-address>
  </address-family-unnumbered>
</address-family>
```

**Description** Information about an unnumbered address family

### <address-family-unnumbered>

#### Usage

```
<logical-interface>
  <address-family>
    <address-family-unnumbered>
      <unnumbered-family-donor-interface-name>
        unnumbered-family-donor-interface-name
      </unnumbered-family-donor-interface-name>
      <unnumbered-family-donor-interface-index>
        unnumbered-family-donor-interface-index
      </unnumbered-family-donor-interface-index>
      <unnumbered-family-preferred-source-address>
        unnumbered-family-preferred-source-address
      </unnumbered-family-preferred-source-address>
    </address-family-unnumbered>
  </address-family>
```

```
</logical-interface>
```

**Description** Information about an unnumbered address family

### <address-family-unnumbered>

#### Usage

```
<physical-interface>
<logical-interface>
<address-family>
  <address-family-unnumbered>
    <unnumbered-family-donor-interface-name>
      unnumbered-family-donor-interface-name
    </unnumbered-family-donor-interface-name>
    <unnumbered-family-donor-interface-index>
      unnumbered-family-donor-interface-index
    </unnumbered-family-donor-interface-index>
    <unnumbered-family-preferred-source-address>
      unnumbered-family-preferred-source-address
    </unnumbered-family-preferred-source-address>
  </address-family-unnumbered>
</address-family>
</logical-interface>
</physical-interface>
```

**Description** Information about an unnumbered address family

### <address-family-unnumbered>

#### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
<address-family>
  <address-family-unnumbered>
    <unnumbered-family-donor-interface-name>
      unnumbered-family-donor-interface-name
    </unnumbered-family-donor-interface-name>
    <unnumbered-family-donor-interface-index>
      unnumbered-family-donor-interface-index
    </unnumbered-family-donor-interface-index>
    <unnumbered-family-preferred-source-address>
      unnumbered-family-preferred-source-address
    </unnumbered-family-preferred-source-address>
  </address-family-unnumbered>
</address-family>
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** Information about an unnumbered address family

## <address-family-unnumbered>

### Usage

```
<interface-information>
<logical-interface>
  <address-family>
    <address-family-unnumbered>
      <unnumbered-family-donor-interface-name>
        unnumbered-family-donor-interface-name
      </unnumbered-family-donor-interface-name>
      <unnumbered-family-donor-interface-index>
        unnumbered-family-donor-interface-index
      </unnumbered-family-donor-interface-index>
      <unnumbered-family-preferred-source-address>
        unnumbered-family-preferred-source-address
      </unnumbered-family-preferred-source-address>
    </address-family-unnumbered>
  </address-family>
</logical-interface>
</interface-information>
```

**Description** Information about an unnumbered address family

## <address-family-unnumbered>

### Usage

```
<interface-filter-information>
<physical-interface>
  <logical-interface>
    <address-family>
      <address-family-unnumbered>
        <unnumbered-family-donor-interface-name>
          unnumbered-family-donor-interface-name
        </unnumbered-family-donor-interface-name>
        <unnumbered-family-donor-interface-index>
          unnumbered-family-donor-interface-index
        </unnumbered-family-donor-interface-index>
        <unnumbered-family-preferred-source-address>
          unnumbered-family-preferred-source-address
        </unnumbered-family-preferred-source-address>
      </address-family-unnumbered>
    </address-family>
  </logical-interface>
</physical-interface>
</interface-filter-information>
```

**Description** Information about an unnumbered address family

## <address-family-unnumbered>

### Usage

```
<interface-filter-information>
```

```

<logical-interface>
  <address-family>
    <address-family-unnumbered>
      <unnumbered-family-donor-interface-name>
        unnumbered-family-donor-interface-name
      </unnumbered-family-donor-interface-name>
      <unnumbered-family-donor-interface-index>
        unnumbered-family-donor-interface-index
      </unnumbered-family-donor-interface-index>
      <unnumbered-family-preferred-source-address>
        unnumbered-family-preferred-source-address
      </unnumbered-family-preferred-source-address>
    </address-family-unnumbered>
  </address-family>
</logical-interface>
</interface-filter-information>

```

**Description** Information about an unnumbered address family

### <address-family-unnumbered>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <address-family>
        <address-family-unnumbered>
          <unnumbered-family-donor-interface-name>
            unnumbered-family-donor-interface-name
          </unnumbered-family-donor-interface-name>
          <unnumbered-family-donor-interface-index>
            unnumbered-family-donor-interface-index
          </unnumbered-family-donor-interface-index>
          <unnumbered-family-preferred-source-address>
            unnumbered-family-preferred-source-address
          </unnumbered-family-preferred-source-address>
        </address-family-unnumbered>
      </address-family>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

**Description** Information about an unnumbered address family

### <address-family-unnumbered>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <address-family>
      <address-family-unnumbered>
        <unnumbered-family-donor-interface-name>

```

```
    unnumbered-family-donor-interface-name
  </unnumbered-family-donor-interface-name>
  <unnumbered-family-donor-interface-index>
    unnumbered-family-donor-interface-index
  </unnumbered-family-donor-interface-index>
  <unnumbered-family-preferred-source-address>
    unnumbered-family-preferred-source-address
  </unnumbered-family-preferred-source-address>
</address-family-unnumbered>
</address-family>
</logical-interface>
</interface-policer-information>
```

**Description** Information about an unnumbered address family

## <atm-cos-information>

### Usage

```
<atm-cos-information>
  <vc-cos-mode>
    vc-cos-mode
  </vc-cos-mode>
  <atm-cos-queue>....</atm-cos-queue>
</atm-cos-information>
```

### Description

## <atm-cos-information>

### Usage

```
<virtual-circuit-information>
  <atm-cos-information>
    <vc-cos-mode>
      vc-cos-mode
    </vc-cos-mode>
    <atm-cos-queue>....</atm-cos-queue>
  </atm-cos-information>
</virtual-circuit-information>
```

### Description

## <atm-cos-information>

### Usage

```
<logical-interface>
  <virtual-circuit-information>
    <atm-cos-information>
      <vc-cos-mode>
        vc-cos-mode
      </vc-cos-mode>
      <atm-cos-queue>....</atm-cos-queue>
    </atm-cos-information>
  </virtual-circuit-information>
</logical-interface>
```



```

    </virtual-circuit-information>
  </logical-interface>

```

#### Description

**<atm-cos-information>**

#### Usage

```

<physical-interface>
<logical-interface>
  <virtual-circuit-information>
    <atm-cos-information>
      <vc-cos-mode>
        vc-cos-mode
      </vc-cos-mode>
      <atm-cos-queue>....</atm-cos-queue>
    </atm-cos-information>
  </virtual-circuit-information>
</logical-interface>
</physical-interface>

```

#### Description

**<atm-cos-information>**

#### Usage

```

<interface-information>
<physical-interface>
<logical-interface>
  <virtual-circuit-information>
    <atm-cos-information>
      <vc-cos-mode>
        vc-cos-mode
      </vc-cos-mode>
      <atm-cos-queue>....</atm-cos-queue>
    </atm-cos-information>
  </virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-information>

```

#### Description

**<atm-cos-information>**

#### Usage

```

<interface-information>
<logical-interface>
  <virtual-circuit-information>
    <atm-cos-information>
      <vc-cos-mode>
        vc-cos-mode
      </vc-cos-mode>

```

```
<atm-cos-queue>....</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</interface-information>
```

#### Description

### <atm-cos-information>

#### Usage

```
<interface-filter-information>
<physical-interface>
<logical-interface>
<virtual-circuit-information>
  <atm-cos-information>
    <vc-cos-mode>
      vc-cos-mode
    </vc-cos-mode>
    <atm-cos-queue>....</atm-cos-queue>
  </atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

#### Description

### <atm-cos-information>

#### Usage

```
<interface-filter-information>
<logical-interface>
<virtual-circuit-information>
  <atm-cos-information>
    <vc-cos-mode>
      vc-cos-mode
    </vc-cos-mode>
    <atm-cos-queue>....</atm-cos-queue>
  </atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</interface-filter-information>
```

#### Description

### <atm-cos-information>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
  <virtual-circuit-information>
```

```

<atm-cos-information>
  <vc-cos-mode>
    vc-cos-mode
  </vc-cos-mode>
  <atm-cos-queue>....</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

#### Description

### <atm-cos-information>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <virtual-circuit-information>
      <atm-cos-information>
        <vc-cos-mode>
          vc-cos-mode
        </vc-cos-mode>
        <atm-cos-queue>....</atm-cos-queue>
      </atm-cos-information>
    </virtual-circuit-information>
  </logical-interface>
</interface-policer-information>

```

#### Description

### <atm-cos-plp-statistics>

#### Usage

```

<atm-cos-plp-statistics>
  <atm-plp0-output-bytes>
    atm-plp0-output-bytes
  </atm-plp0-output-bytes>
  <atm-plp1-output-bytes>
    atm-plp1-output-bytes
  </atm-plp1-output-bytes>
  <atm-plp0-output-packets>
    atm-plp0-output-packets
  </atm-plp0-output-packets>
  <atm-plp1-output-packets>
    atm-plp1-output-packets
  </atm-plp1-output-packets>
  <atm-plp0-byte-drops>
    atm-plp0-byte-drops
  </atm-plp0-byte-drops>
  <atm-plp1-byte-drops>
    atm-plp1-byte-drops
  </atm-plp1-byte-drops>
  <atm-plp0-packet-drops>

```

```
    atm-plp0-packet-drops
  </atm-plp0-packet-drops>
  <atm-plp1-packet-drops>
    atm-plp1-packet-drops
  </atm-plp1-packet-drops>
</atm-cos-plp-statistics>
```

#### Description

### <atm-cos-plp-statistics>

#### Usage

```
<atm-cos-queue>
  <atm-cos-plp-statistics>
    <atm-plp0-output-bytes>
      atm-plp0-output-bytes
    </atm-plp0-output-bytes>
    <atm-plp1-output-bytes>
      atm-plp1-output-bytes
    </atm-plp1-output-bytes>
    <atm-plp0-output-packets>
      atm-plp0-output-packets
    </atm-plp0-output-packets>
    <atm-plp1-output-packets>
      atm-plp1-output-packets
    </atm-plp1-output-packets>
    <atm-plp0-byte-drops>
      atm-plp0-byte-drops
    </atm-plp0-byte-drops>
    <atm-plp1-byte-drops>
      atm-plp1-byte-drops
    </atm-plp1-byte-drops>
    <atm-plp0-packet-drops>
      atm-plp0-packet-drops
    </atm-plp0-packet-drops>
    <atm-plp1-packet-drops>
      atm-plp1-packet-drops
    </atm-plp1-packet-drops>
  </atm-cos-plp-statistics>
</atm-cos-queue>
```

#### Description

### <atm-cos-plp-statistics>

#### Usage

```
<atm-cos-information>
  <atm-cos-queue>
    <atm-cos-plp-statistics>
      <atm-plp0-output-bytes>
        atm-plp0-output-bytes
      </atm-plp0-output-bytes>
      <atm-plp1-output-bytes>
        atm-plp1-output-bytes
      </atm-plp1-output-bytes>
```

```

</atm-plp1-output-bytes>
<atm-plp0-output-packets>
  atm-plp0-output-packets
</atm-plp0-output-packets>
<atm-plp1-output-packets>
  atm-plp1-output-packets
</atm-plp1-output-packets>
<atm-plp0-byte-drops>
  atm-plp0-byte-drops
</atm-plp0-byte-drops>
<atm-plp1-byte-drops>
  atm-plp1-byte-drops
</atm-plp1-byte-drops>
<atm-plp0-packet-drops>
  atm-plp0-packet-drops
</atm-plp0-packet-drops>
<atm-plp1-packet-drops>
  atm-plp1-packet-drops
</atm-plp1-packet-drops>
</atm-cos-plp-statistics>
</atm-cos-queue>
</atm-cos-information>

```

## Description

### <atm-cos-plp-statistics>

#### Usage

```

<virtual-circuit-information>
<atm-cos-information>
<atm-cos-queue>
<atm-cos-plp-statistics>
  <atm-plp0-output-bytes>
    atm-plp0-output-bytes
  </atm-plp0-output-bytes>
  <atm-plp1-output-bytes>
    atm-plp1-output-bytes
  </atm-plp1-output-bytes>
  <atm-plp0-output-packets>
    atm-plp0-output-packets
  </atm-plp0-output-packets>
  <atm-plp1-output-packets>
    atm-plp1-output-packets
  </atm-plp1-output-packets>
  <atm-plp0-byte-drops>
    atm-plp0-byte-drops
  </atm-plp0-byte-drops>
  <atm-plp1-byte-drops>
    atm-plp1-byte-drops
  </atm-plp1-byte-drops>
  <atm-plp0-packet-drops>
    atm-plp0-packet-drops
  </atm-plp0-packet-drops>
  <atm-plp1-packet-drops>
    atm-plp1-packet-drops

```

```
        </atm-plp1-packet-drops>
      </atm-cos-plp-statistics>
    </atm-cos-queue>
  </atm-cos-information>
</virtual-circuit-information>
```

#### Description

### <atm-cos-plp-statistics>

#### Usage

```
<logical-interface>
<virtual-circuit-information>
  <atm-cos-information>
    <atm-cos-queue>
      <atm-cos-plp-statistics>
        <atm-plp0-output-bytes>
          atm-plp0-output-bytes
        </atm-plp0-output-bytes>
        <atm-plp1-output-bytes>
          atm-plp1-output-bytes
        </atm-plp1-output-bytes>
        <atm-plp0-output-packets>
          atm-plp0-output-packets
        </atm-plp0-output-packets>
        <atm-plp1-output-packets>
          atm-plp1-output-packets
        </atm-plp1-output-packets>
        <atm-plp0-byte-drops>
          atm-plp0-byte-drops
        </atm-plp0-byte-drops>
        <atm-plp1-byte-drops>
          atm-plp1-byte-drops
        </atm-plp1-byte-drops>
        <atm-plp0-packet-drops>
          atm-plp0-packet-drops
        </atm-plp0-packet-drops>
        <atm-plp1-packet-drops>
          atm-plp1-packet-drops
        </atm-plp1-packet-drops>
      </atm-cos-plp-statistics>
    </atm-cos-queue>
  </atm-cos-information>
</virtual-circuit-information>
</logical-interface>
```

#### Description

### <atm-cos-plp-statistics>

#### Usage

```
<physical-interface>
<logical-interface>
  <virtual-circuit-information>
```

```

<atm-cos-information>
  <atm-cos-queue>
    <atm-cos-plp-statistics>
      <atm-plp0-output-bytes>
        atm-plp0-output-bytes
      </atm-plp0-output-bytes>
      <atm-plp1-output-bytes>
        atm-plp1-output-bytes
      </atm-plp1-output-bytes>
      <atm-plp0-output-packets>
        atm-plp0-output-packets
      </atm-plp0-output-packets>
      <atm-plp1-output-packets>
        atm-plp1-output-packets
      </atm-plp1-output-packets>
      <atm-plp0-byte-drops>
        atm-plp0-byte-drops
      </atm-plp0-byte-drops>
      <atm-plp1-byte-drops>
        atm-plp1-byte-drops
      </atm-plp1-byte-drops>
      <atm-plp0-packet-drops>
        atm-plp0-packet-drops
      </atm-plp0-packet-drops>
      <atm-plp1-packet-drops>
        atm-plp1-packet-drops
      </atm-plp1-packet-drops>
    </atm-cos-plp-statistics>
  </atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</physical-interface>

```

## Description

### <atm-cos-plp-statistics>

#### Usage

```

<interface-information>
  <physical-interface>
  <logical-interface>
    <virtual-circuit-information>
      <atm-cos-information>
        <atm-cos-queue>
          <atm-cos-plp-statistics>
            <atm-plp0-output-bytes>
              atm-plp0-output-bytes
            </atm-plp0-output-bytes>
            <atm-plp1-output-bytes>
              atm-plp1-output-bytes
            </atm-plp1-output-bytes>
            <atm-plp0-output-packets>
              atm-plp0-output-packets
            </atm-plp0-output-packets>

```

```
<atm-plp1-output-packets>
  atm-plp1-output-packets
</atm-plp1-output-packets>
<atm-plp0-byte-drops>
  atm-plp0-byte-drops
</atm-plp0-byte-drops>
<atm-plp1-byte-drops>
  atm-plp1-byte-drops
</atm-plp1-byte-drops>
<atm-plp0-packet-drops>
  atm-plp0-packet-drops
</atm-plp0-packet-drops>
<atm-plp1-packet-drops>
  atm-plp1-packet-drops
</atm-plp1-packet-drops>
</atm-cos-plp-statistics>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-information>
```

## Description

### <atm-cos-plp-statistics>

#### Usage

```
<interface-information>
<logical-interface>
<virtual-circuit-information>
<atm-cos-information>
  <atm-cos-queue>
    <atm-cos-plp-statistics>
      <atm-plp0-output-bytes>
        atm-plp0-output-bytes
      </atm-plp0-output-bytes>
      <atm-plp1-output-bytes>
        atm-plp1-output-bytes
      </atm-plp1-output-bytes>
      <atm-plp0-output-packets>
        atm-plp0-output-packets
      </atm-plp0-output-packets>
      <atm-plp1-output-packets>
        atm-plp1-output-packets
      </atm-plp1-output-packets>
      <atm-plp0-byte-drops>
        atm-plp0-byte-drops
      </atm-plp0-byte-drops>
      <atm-plp1-byte-drops>
        atm-plp1-byte-drops
      </atm-plp1-byte-drops>
      <atm-plp0-packet-drops>
        atm-plp0-packet-drops
      </atm-plp0-packet-drops>
```



```

    <atm-plp1-packet-drops>
      atm-plp1-packet-drops
    </atm-plp1-packet-drops>
  </atm-cos-plp-statistics>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</interface-information>

```

## Description

### <atm-cos-plp-statistics>

#### Usage

```

<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <virtual-circuit-information>
      <atm-cos-information>
        <atm-cos-queue>
          <atm-cos-plp-statistics>
            <atm-plp0-output-bytes>
              atm-plp0-output-bytes
            </atm-plp0-output-bytes>
            <atm-plp1-output-bytes>
              atm-plp1-output-bytes
            </atm-plp1-output-bytes>
            <atm-plp0-output-packets>
              atm-plp0-output-packets
            </atm-plp0-output-packets>
            <atm-plp1-output-packets>
              atm-plp1-output-packets
            </atm-plp1-output-packets>
            <atm-plp0-byte-drops>
              atm-plp0-byte-drops
            </atm-plp0-byte-drops>
            <atm-plp1-byte-drops>
              atm-plp1-byte-drops
            </atm-plp1-byte-drops>
            <atm-plp0-packet-drops>
              atm-plp0-packet-drops
            </atm-plp0-packet-drops>
            <atm-plp1-packet-drops>
              atm-plp1-packet-drops
            </atm-plp1-packet-drops>
          </atm-cos-plp-statistics>
        </atm-cos-queue>
      </atm-cos-information>
    </virtual-circuit-information>
  </logical-interface>
</physical-interface>
</interface-filter-information>

```

## Description

### <atm-cos-plp-statistics>

#### Usage

```
<interface-filter-information>
<logical-interface>
  <virtual-circuit-information>
    <atm-cos-information>
      <atm-cos-queue>
        <atm-cos-plp-statistics>
          <atm-plp0-output-bytes>
            atm-plp0-output-bytes
          </atm-plp0-output-bytes>
          <atm-plp1-output-bytes>
            atm-plp1-output-bytes
          </atm-plp1-output-bytes>
          <atm-plp0-output-packets>
            atm-plp0-output-packets
          </atm-plp0-output-packets>
          <atm-plp1-output-packets>
            atm-plp1-output-packets
          </atm-plp1-output-packets>
          <atm-plp0-byte-drops>
            atm-plp0-byte-drops
          </atm-plp0-byte-drops>
          <atm-plp1-byte-drops>
            atm-plp1-byte-drops
          </atm-plp1-byte-drops>
          <atm-plp0-packet-drops>
            atm-plp0-packet-drops
          </atm-plp0-packet-drops>
          <atm-plp1-packet-drops>
            atm-plp1-packet-drops
          </atm-plp1-packet-drops>
        </atm-cos-plp-statistics>
      </atm-cos-queue>
    </atm-cos-information>
  </virtual-circuit-information>
</logical-interface>
</interface-filter-information>
```

## Description

### <atm-cos-plp-statistics>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <logical-interface>
    <virtual-circuit-information>
      <atm-cos-information>
        <atm-cos-queue>
          <atm-cos-plp-statistics>
            <atm-plp0-output-bytes>
```

```

    atm-plp0-output-bytes
  </atm-plp0-output-bytes>
  <atm-plp1-output-bytes>
    atm-plp1-output-bytes
  </atm-plp1-output-bytes>
  <atm-plp0-output-packets>
    atm-plp0-output-packets
  </atm-plp0-output-packets>
  <atm-plp1-output-packets>
    atm-plp1-output-packets
  </atm-plp1-output-packets>
  <atm-plp0-byte-drops>
    atm-plp0-byte-drops
  </atm-plp0-byte-drops>
  <atm-plp1-byte-drops>
    atm-plp1-byte-drops
  </atm-plp1-byte-drops>
  <atm-plp0-packet-drops>
    atm-plp0-packet-drops
  </atm-plp0-packet-drops>
  <atm-plp1-packet-drops>
    atm-plp1-packet-drops
  </atm-plp1-packet-drops>
</atm-cos-plp-statistics>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

## Description

### <atm-cos-plp-statistics>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <virtual-circuit-information>
      <atm-cos-information>
        <atm-cos-queue>
          <atm-cos-plp-statistics>
            <atm-plp0-output-bytes>
              atm-plp0-output-bytes
            </atm-plp0-output-bytes>
            <atm-plp1-output-bytes>
              atm-plp1-output-bytes
            </atm-plp1-output-bytes>
            <atm-plp0-output-packets>
              atm-plp0-output-packets
            </atm-plp0-output-packets>
            <atm-plp1-output-packets>
              atm-plp1-output-packets
            </atm-plp1-output-packets>
            <atm-plp0-byte-drops>

```

```
    atm-plp0-byte-drops
  </atm-plp0-byte-drops>
  <atm-plp1-byte-drops>
    atm-plp1-byte-drops
  </atm-plp1-byte-drops>
  <atm-plp0-packet-drops>
    atm-plp0-packet-drops
  </atm-plp0-packet-drops>
  <atm-plp1-packet-drops>
    atm-plp1-packet-drops
  </atm-plp1-packet-drops>
</atm-cos-plp-statistics>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</interface-policer-information>
```

#### Description

#### <atm-cos-queue>

##### Usage

```
<atm-cos-queue>
  <atm-cos-queue-parameters>....</atm-cos-queue-parameters>
  <atm-cos-queue-statistics>....</atm-cos-queue-statistics>
  <atm-cos-plp-statistics>....</atm-cos-plp-statistics>
</atm-cos-queue>
```

#### Description

#### <atm-cos-queue>

##### Usage

```
<atm-cos-information>
  <atm-cos-queue>
    <atm-cos-queue-parameters>....</atm-cos-queue-parameters>
    <atm-cos-queue-statistics>....</atm-cos-queue-statistics>
    <atm-cos-plp-statistics>....</atm-cos-plp-statistics>
  </atm-cos-queue>
</atm-cos-information>
```

#### Description

#### <atm-cos-queue>

##### Usage

```
<virtual-circuit-information>
  <atm-cos-information>
    <atm-cos-queue>
      <atm-cos-queue-parameters>....</atm-cos-queue-parameters>
      <atm-cos-queue-statistics>....</atm-cos-queue-statistics>
      <atm-cos-plp-statistics>....</atm-cos-plp-statistics>
    </atm-cos-queue>
  </atm-cos-information>
</virtual-circuit-information>
```

```

</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>

```

#### Description

#### <atm-cos-queue>

##### Usage

```

<logical-interface>
<virtual-circuit-information>
<atm-cos-information>
<atm-cos-queue>
  <atm-cos-queue-parameters>....</atm-cos-queue-parameters>
  <atm-cos-queue-statistics>....</atm-cos-queue-statistics>
  <atm-cos-plp-statistics>....</atm-cos-plp-statistics>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>

```

#### Description

#### <atm-cos-queue>

##### Usage

```

<physical-interface>
<logical-interface>
<virtual-circuit-information>
<atm-cos-information>
<atm-cos-queue>
  <atm-cos-queue-parameters>....</atm-cos-queue-parameters>
  <atm-cos-queue-statistics>....</atm-cos-queue-statistics>
  <atm-cos-plp-statistics>....</atm-cos-plp-statistics>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</physical-interface>

```

#### Description

#### <atm-cos-queue>

##### Usage

```

<interface-information>
<physical-interface>
<logical-interface>
<virtual-circuit-information>
<atm-cos-information>
<atm-cos-queue>
  <atm-cos-queue-parameters>....</atm-cos-queue-parameters>
  <atm-cos-queue-statistics>....</atm-cos-queue-statistics>

```

```
<atm-cos-plp-statistics>....</atm-cos-plp-statistics>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-information>
```

#### Description

### <atm-cos-queue>

#### Usage

```
<interface-information>
<logical-interface>
<virtual-circuit-information>
<atm-cos-information>
<atm-cos-queue>
<atm-cos-queue-parameters>....</atm-cos-queue-parameters>
<atm-cos-queue-statistics>....</atm-cos-queue-statistics>
<atm-cos-plp-statistics>....</atm-cos-plp-statistics>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</interface-information>
```

#### Description

### <atm-cos-queue>

#### Usage

```
<interface-filter-information>
<physical-interface>
<logical-interface>
<virtual-circuit-information>
<atm-cos-information>
<atm-cos-queue>
<atm-cos-queue-parameters>....</atm-cos-queue-parameters>
<atm-cos-queue-statistics>....</atm-cos-queue-statistics>
<atm-cos-plp-statistics>....</atm-cos-plp-statistics>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

#### Description

## <atm-cos-queue>

### Usage

```

<interface-filter-information>
  <logical-interface>
    <virtual-circuit-information>
      <atm-cos-information>
        <atm-cos-queue>
          <atm-cos-queue-parameters>....</atm-cos-queue-parameters>
          <atm-cos-queue-statistics>....</atm-cos-queue-statistics>
          <atm-cos-plp-statistics>....</atm-cos-plp-statistics>
        </atm-cos-queue>
      </atm-cos-information>
    </virtual-circuit-information>
  </logical-interface>
</interface-filter-information>

```

### Description

## <atm-cos-queue>

### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <atm-cos-information>
          <atm-cos-queue>
            <atm-cos-queue-parameters>....</atm-cos-queue-parameters>
            <atm-cos-queue-statistics>....</atm-cos-queue-statistics>
            <atm-cos-plp-statistics>....</atm-cos-plp-statistics>
          </atm-cos-queue>
        </atm-cos-information>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

### Description

## <atm-cos-queue>

### Usage

```

<interface-policer-information>
  <logical-interface>
    <virtual-circuit-information>
      <atm-cos-information>
        <atm-cos-queue>
          <atm-cos-queue-parameters>....</atm-cos-queue-parameters>
          <atm-cos-queue-statistics>....</atm-cos-queue-statistics>
          <atm-cos-plp-statistics>....</atm-cos-plp-statistics>
        </atm-cos-queue>
      </atm-cos-information>
    </virtual-circuit-information>
  </logical-interface>
</interface-policer-information>

```

```
</virtual-circuit-information>
</logical-interface>
</interface-policer-information>
```

## Description

### <atm-cos-queue-parameters>

#### Usage

```
<atm-cos-queue-parameters>
  <cos-forwarding-class-name>
    cos-forwarding-class-name
  </cos-forwarding-class-name>
  <cos-queue-number>
    cos-queue-number
  </cos-queue-number>
  <scheduling-priority>
    scheduling-priority
  </scheduling-priority>
  <transmit-weight-cells>
    transmit-weight-cells
  </transmit-weight-cells>
  <transmit-weight-percent>
    transmit-weight-percent
  </transmit-weight-percent>
  <epd-threshold>
    epd-threshold
  </epd-threshold>
  <epd-threshold-plp0>
    epd-threshold-plp0
  </epd-threshold-plp0>
  <epd-threshold-plp1>
    epd-threshold-plp1
  </epd-threshold-plp1>
  <linear-red-drop-profile>....</linear-red-drop-profile>
</atm-cos-queue-parameters>
```

## Description

### <atm-cos-queue-parameters>

#### Usage

```
<atm-cos-queue>
  <atm-cos-queue-parameters>
    <cos-forwarding-class-name>
      cos-forwarding-class-name
    </cos-forwarding-class-name>
    <cos-queue-number>
      cos-queue-number
    </cos-queue-number>
    <scheduling-priority>
      scheduling-priority
    </scheduling-priority>
    <transmit-weight-cells>
```



```

        transmit-weight-cells
      </transmit-weight-cells>
    <transmit-weight-percent>
      transmit-weight-percent
    </transmit-weight-percent>
    <epd-threshold>
      epd-threshold
    </epd-threshold>
    <epd-threshold-plp0>
      epd-threshold-plp0
    </epd-threshold-plp0>
    <epd-threshold-plp1>
      epd-threshold-plp1
    </epd-threshold-plp1>
    <linear-red-drop-profile>....</linear-red-drop-profile>
  </atm-cos-queue-parameters>
</atm-cos-queue>

```

## Description

### <atm-cos-queue-parameters>

#### Usage

```

<atm-cos-information>
  <atm-cos-queue>
    <atm-cos-queue-parameters>
      <cos-forwarding-class-name>
        cos-forwarding-class-name
      </cos-forwarding-class-name>
      <cos-queue-number>
        cos-queue-number
      </cos-queue-number>
      <scheduling-priority>
        scheduling-priority
      </scheduling-priority>
      <transmit-weight-cells>
        transmit-weight-cells
      </transmit-weight-cells>
      <transmit-weight-percent>
        transmit-weight-percent
      </transmit-weight-percent>
      <epd-threshold>
        epd-threshold
      </epd-threshold>
      <epd-threshold-plp0>
        epd-threshold-plp0
      </epd-threshold-plp0>
      <epd-threshold-plp1>
        epd-threshold-plp1
      </epd-threshold-plp1>
      <linear-red-drop-profile>....</linear-red-drop-profile>
    </atm-cos-queue-parameters>
  </atm-cos-queue>
</atm-cos-information>

```

## Description

### <atm-cos-queue-parameters>

#### Usage

```
<virtual-circuit-information>
  <atm-cos-information>
    <atm-cos-queue>
      <atm-cos-queue-parameters>
        <cos-forwarding-class-name>
          cos-forwarding-class-name
        </cos-forwarding-class-name>
        <cos-queue-number>
          cos-queue-number
        </cos-queue-number>
        <scheduling-priority>
          scheduling-priority
        </scheduling-priority>
        <transmit-weight-cells>
          transmit-weight-cells
        </transmit-weight-cells>
        <transmit-weight-percent>
          transmit-weight-percent
        </transmit-weight-percent>
        <epd-threshold>
          epd-threshold
        </epd-threshold>
        <epd-threshold-plp0>
          epd-threshold-plp0
        </epd-threshold-plp0>
        <epd-threshold-plp1>
          epd-threshold-plp1
        </epd-threshold-plp1>
        <linear-red-drop-profile>....</linear-red-drop-profile>
      </atm-cos-queue-parameters>
    </atm-cos-queue>
  </atm-cos-information>
</virtual-circuit-information>
```

## Description

### <atm-cos-queue-parameters>

#### Usage

```
<logical-interface>
  <virtual-circuit-information>
    <atm-cos-information>
      <atm-cos-queue>
        <atm-cos-queue-parameters>
          <cos-forwarding-class-name>
            cos-forwarding-class-name
          </cos-forwarding-class-name>
          <cos-queue-number>
            cos-queue-number
          </cos-queue-number>
```

```

    <scheduling-priority>
      scheduling-priority
    </scheduling-priority>
    <transmit-weight-cells>
      transmit-weight-cells
    </transmit-weight-cells>
    <transmit-weight-percent>
      transmit-weight-percent
    </transmit-weight-percent>
    <epd-threshold>
      epd-threshold
    </epd-threshold>
    <epd-threshold-plp0>
      epd-threshold-plp0
    </epd-threshold-plp0>
    <epd-threshold-plp1>
      epd-threshold-plp1
    </epd-threshold-plp1>
    <linear-red-drop-profile>....</linear-red-drop-profile>
  </atm-cos-queue-parameters>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>

```

## Description

### <atm-cos-queue-parameters>

#### Usage

```

<physical-interface>
<logical-interface>
<virtual-circuit-information>
  <atm-cos-information>
    <atm-cos-queue>
      <atm-cos-queue-parameters>
        <cos-forwarding-class-name>
          cos-forwarding-class-name
        </cos-forwarding-class-name>
        <cos-queue-number>
          cos-queue-number
        </cos-queue-number>
        <scheduling-priority>
          scheduling-priority
        </scheduling-priority>
        <transmit-weight-cells>
          transmit-weight-cells
        </transmit-weight-cells>
        <transmit-weight-percent>
          transmit-weight-percent
        </transmit-weight-percent>
        <epd-threshold>
          epd-threshold
        </epd-threshold>
        <epd-threshold-plp0>

```

```
        epd-threshold-plp0
      </epd-threshold-plp0>
      <epd-threshold-plp1>
        epd-threshold-plp1
      </epd-threshold-plp1>
      <linear-red-drop-profile>....</linear-red-drop-profile>
    </atm-cos-queue-parameters>
  </atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
```

## Description

### <atm-cos-queue-parameters>

#### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
<virtual-circuit-information>
  <atm-cos-information>
    <atm-cos-queue>
      <atm-cos-queue-parameters>
        <cos-forwarding-class-name>
          cos-forwarding-class-name
        </cos-forwarding-class-name>
        <cos-queue-number>
          cos-queue-number
        </cos-queue-number>
        <scheduling-priority>
          scheduling-priority
        </scheduling-priority>
        <transmit-weight-cells>
          transmit-weight-cells
        </transmit-weight-cells>
        <transmit-weight-percent>
          transmit-weight-percent
        </transmit-weight-percent>
        <epd-threshold>
          epd-threshold
        </epd-threshold>
        <epd-threshold-plp0>
          epd-threshold-plp0
        </epd-threshold-plp0>
        <epd-threshold-plp1>
          epd-threshold-plp1
        </epd-threshold-plp1>
        <linear-red-drop-profile>....</linear-red-drop-profile>
      </atm-cos-queue-parameters>
    </atm-cos-queue>
  </atm-cos-information>
</virtual-circuit-information>
</logical-interface>
```

```

    </physical-interface>
  </interface-information>

```

## Description

### <atm-cos-queue-parameters>

#### Usage

```

<interface-information>
  <logical-interface>
    <virtual-circuit-information>
      <atm-cos-information>
        <atm-cos-queue>
          <atm-cos-queue-parameters>
            <cos-forwarding-class-name>
              cos-forwarding-class-name
            </cos-forwarding-class-name>
            <cos-queue-number>
              cos-queue-number
            </cos-queue-number>
            <scheduling-priority>
              scheduling-priority
            </scheduling-priority>
            <transmit-weight-cells>
              transmit-weight-cells
            </transmit-weight-cells>
            <transmit-weight-percent>
              transmit-weight-percent
            </transmit-weight-percent>
            <epd-threshold>
              epd-threshold
            </epd-threshold>
            <epd-threshold-plp0>
              epd-threshold-plp0
            </epd-threshold-plp0>
            <epd-threshold-plp1>
              epd-threshold-plp1
            </epd-threshold-plp1>
            <linear-red-drop-profile>....</linear-red-drop-profile>
          </atm-cos-queue-parameters>
        </atm-cos-queue>
      </atm-cos-information>
    </virtual-circuit-information>
  </logical-interface>
</interface-information>

```

## Description

### <atm-cos-queue-parameters>

#### Usage

```

<interface-filter-information>
  <physical-interface>
  <logical-interface>

```

```
<virtual-circuit-information>
  <atm-cos-information>
    <atm-cos-queue>
      <atm-cos-queue-parameters>
        <cos-forwarding-class-name>
          cos-forwarding-class-name
        </cos-forwarding-class-name>
        <cos-queue-number>
          cos-queue-number
        </cos-queue-number>
        <scheduling-priority>
          scheduling-priority
        </scheduling-priority>
        <transmit-weight-cells>
          transmit-weight-cells
        </transmit-weight-cells>
        <transmit-weight-percent>
          transmit-weight-percent
        </transmit-weight-percent>
        <epd-threshold>
          epd-threshold
        </epd-threshold>
        <epd-threshold-plp0>
          epd-threshold-plp0
        </epd-threshold-plp0>
        <epd-threshold-plp1>
          epd-threshold-plp1
        </epd-threshold-plp1>
        <linear-red-drop-profile>....</linear-red-drop-profile>
      </atm-cos-queue-parameters>
    </atm-cos-queue>
  </atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

## Description

### <atm-cos-queue-parameters>

#### Usage

```
<interface-filter-information>
<logical-interface>
  <virtual-circuit-information>
    <atm-cos-information>
      <atm-cos-queue>
        <atm-cos-queue-parameters>
          <cos-forwarding-class-name>
            cos-forwarding-class-name
          </cos-forwarding-class-name>
          <cos-queue-number>
            cos-queue-number
          </cos-queue-number>
          <scheduling-priority>
```

```

        scheduling-priority
      </scheduling-priority>
    <transmit-weight-cells>
      transmit-weight-cells
    </transmit-weight-cells>
    <transmit-weight-percent>
      transmit-weight-percent
    </transmit-weight-percent>
    <epd-threshold>
      epd-threshold
    </epd-threshold>
    <epd-threshold-plp0>
      epd-threshold-plp0
    </epd-threshold-plp0>
    <epd-threshold-plp1>
      epd-threshold-plp1
    </epd-threshold-plp1>
    <linear-red-drop-profile>....</linear-red-drop-profile>
  </atm-cos-queue-parameters>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</interface-filter-information>

```

## Description

### <atm-cos-queue-parameters>

#### Usage

```

<interface-policer-information>
<physical-interface>
<logical-interface>
<virtual-circuit-information>
  <atm-cos-information>
    <atm-cos-queue>
      <atm-cos-queue-parameters>
        <cos-forwarding-class-name>
          cos-forwarding-class-name
        </cos-forwarding-class-name>
        <cos-queue-number>
          cos-queue-number
        </cos-queue-number>
        <scheduling-priority>
          scheduling-priority
        </scheduling-priority>
        <transmit-weight-cells>
          transmit-weight-cells
        </transmit-weight-cells>
        <transmit-weight-percent>
          transmit-weight-percent
        </transmit-weight-percent>
        <epd-threshold>
          epd-threshold
        </epd-threshold>
      </atm-cos-queue-parameters>
    </atm-cos-queue>
  </atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</interface-policer-information>

```

```
<epd-threshold-plp0>
  epd-threshold-plp0
</epd-threshold-plp0>
<epd-threshold-plp1>
  epd-threshold-plp1
</epd-threshold-plp1>
<linear-red-drop-profile>....</linear-red-drop-profile>
</atm-cos-queue-parameters>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

## Description

### <atm-cos-queue-parameters>

#### Usage

```
<interface-policer-information>
<logical-interface>
  <virtual-circuit-information>
    <atm-cos-information>
      <atm-cos-queue>
        <atm-cos-queue-parameters>
          <cos-forwarding-class-name>
            cos-forwarding-class-name
          </cos-forwarding-class-name>
          <cos-queue-number>
            cos-queue-number
          </cos-queue-number>
          <scheduling-priority>
            scheduling-priority
          </scheduling-priority>
          <transmit-weight-cells>
            transmit-weight-cells
          </transmit-weight-cells>
          <transmit-weight-percent>
            transmit-weight-percent
          </transmit-weight-percent>
          <epd-threshold>
            epd-threshold
          </epd-threshold>
          <epd-threshold-plp0>
            epd-threshold-plp0
          </epd-threshold-plp0>
          <epd-threshold-plp1>
            epd-threshold-plp1
          </epd-threshold-plp1>
          <linear-red-drop-profile>....</linear-red-drop-profile>
        </atm-cos-queue-parameters>
      </atm-cos-queue>
    </atm-cos-information>
  </virtual-circuit-information>
```



```
</logical-interface>
</interface-policer-information>
```

#### Description

### <atm-cos-queue-statistics>

#### Usage

```
<atm-cos-queue-statistics>
  <atm-output-bytes>
    atm-output-bytes
  </atm-output-bytes>
  <atm-output-packets>
    atm-output-packets
  </atm-output-packets>
  <atm-packet-drops>
    atm-packet-drops
  </atm-packet-drops>
</atm-cos-queue-statistics>
```

#### Description

### <atm-cos-queue-statistics>

#### Usage

```
<atm-cos-queue>
  <atm-cos-queue-statistics>
    <atm-output-bytes>
      atm-output-bytes
    </atm-output-bytes>
    <atm-output-packets>
      atm-output-packets
    </atm-output-packets>
    <atm-packet-drops>
      atm-packet-drops
    </atm-packet-drops>
  </atm-cos-queue-statistics>
</atm-cos-queue>
```

#### Description

### <atm-cos-queue-statistics>

#### Usage

```
<atm-cos-information>
  <atm-cos-queue>
    <atm-cos-queue-statistics>
      <atm-output-bytes>
        atm-output-bytes
      </atm-output-bytes>
      <atm-output-packets>
        atm-output-packets
      </atm-output-packets>
```

```
<atm-packet-drops>
  atm-packet-drops
</atm-packet-drops>
</atm-cos-queue-statistics>
</atm-cos-queue>
</atm-cos-information>
```

#### Description

### <atm-cos-queue-statistics>

#### Usage

```
<virtual-circuit-information>
<atm-cos-information>
<atm-cos-queue>
  <atm-cos-queue-statistics>
    <atm-output-bytes>
      atm-output-bytes
    </atm-output-bytes>
    <atm-output-packets>
      atm-output-packets
    </atm-output-packets>
    <atm-packet-drops>
      atm-packet-drops
    </atm-packet-drops>
  </atm-cos-queue-statistics>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
```

#### Description

### <atm-cos-queue-statistics>

#### Usage

```
<logical-interface>
<virtual-circuit-information>
<atm-cos-information>
<atm-cos-queue>
  <atm-cos-queue-statistics>
    <atm-output-bytes>
      atm-output-bytes
    </atm-output-bytes>
    <atm-output-packets>
      atm-output-packets
    </atm-output-packets>
    <atm-packet-drops>
      atm-packet-drops
    </atm-packet-drops>
  </atm-cos-queue-statistics>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
```

```
</logical-interface>
```

#### Description

### <atm-cos-queue-statistics>

#### Usage

```
<physical-interface>
<logical-interface>
<virtual-circuit-information>
  <atm-cos-information>
    <atm-cos-queue>
      <atm-cos-queue-statistics>
        <atm-output-bytes>
          atm-output-bytes
        </atm-output-bytes>
        <atm-output-packets>
          atm-output-packets
        </atm-output-packets>
        <atm-packet-drops>
          atm-packet-drops
        </atm-packet-drops>
      </atm-cos-queue-statistics>
    </atm-cos-queue>
  </atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
```

#### Description

### <atm-cos-queue-statistics>

#### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
  <virtual-circuit-information>
    <atm-cos-information>
      <atm-cos-queue>
        <atm-cos-queue-statistics>
          <atm-output-bytes>
            atm-output-bytes
          </atm-output-bytes>
          <atm-output-packets>
            atm-output-packets
          </atm-output-packets>
          <atm-packet-drops>
            atm-packet-drops
          </atm-packet-drops>
        </atm-cos-queue-statistics>
      </atm-cos-queue>
    </atm-cos-information>
  </virtual-circuit-information>
```

```
</logical-interface>
</physical-interface>
</interface-information>
```

## Description

### <atm-cos-queue-statistics>

#### Usage

```
<interface-information>
  <logical-interface>
    <virtual-circuit-information>
      <atm-cos-information>
        <atm-cos-queue>
          <atm-cos-queue-statistics>
            <atm-output-bytes>
              atm-output-bytes
            </atm-output-bytes>
            <atm-output-packets>
              atm-output-packets
            </atm-output-packets>
            <atm-packet-drops>
              atm-packet-drops
            </atm-packet-drops>
          </atm-cos-queue-statistics>
        </atm-cos-queue>
      </atm-cos-information>
    </virtual-circuit-information>
  </logical-interface>
</interface-information>
```

## Description

### <atm-cos-queue-statistics>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <atm-cos-information>
          <atm-cos-queue>
            <atm-cos-queue-statistics>
              <atm-output-bytes>
                atm-output-bytes
              </atm-output-bytes>
              <atm-output-packets>
                atm-output-packets
              </atm-output-packets>
              <atm-packet-drops>
                atm-packet-drops
              </atm-packet-drops>
            </atm-cos-queue-statistics>
          </atm-cos-queue>
        </atm-cos-information>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

```

    </atm-cos-information>
  </virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

#### Description

### <atm-cos-queue-statistics>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <virtual-circuit-information>
      <atm-cos-information>
        <atm-cos-queue>
          <atm-cos-queue-statistics>
            <atm-output-bytes>
              atm-output-bytes
            </atm-output-bytes>
            <atm-output-packets>
              atm-output-packets
            </atm-output-packets>
            <atm-packet-drops>
              atm-packet-drops
            </atm-packet-drops>
          </atm-cos-queue-statistics>
        </atm-cos-queue>
      </atm-cos-information>
    </virtual-circuit-information>
  </logical-interface>
</interface-filter-information>

```

#### Description

### <atm-cos-queue-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <atm-cos-information>
          <atm-cos-queue>
            <atm-cos-queue-statistics>
              <atm-output-bytes>
                atm-output-bytes
              </atm-output-bytes>
              <atm-output-packets>
                atm-output-packets
              </atm-output-packets>
              <atm-packet-drops>
                atm-packet-drops
              </atm-packet-drops>
            </atm-cos-queue-statistics>
          </atm-cos-queue>
        </atm-cos-information>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

```
    </atm-cos-queue-statistics>
  </atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

#### Description

### <atm-cos-queue-statistics>

#### Usage

```
<interface-policer-information>
<logical-interface>
<virtual-circuit-information>
<atm-cos-information>
  <atm-cos-queue>
    <atm-cos-queue-statistics>
      <atm-output-bytes>
        atm-output-bytes
      </atm-output-bytes>
      <atm-output-packets>
        atm-output-packets
      </atm-output-packets>
      <atm-packet-drops>
        atm-packet-drops
      </atm-packet-drops>
    </atm-cos-queue-statistics>
  </atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</interface-policer-information>
```

#### Description

### <atm-defects>

#### Usage

```
<atm-information>
  <atm-defects>
    <media-alarm>....</media-alarm>
  </atm-defects>
</atm-information>
```

#### Description

### <atm-defects>

#### Usage

```
<physical-interface>
  <atm-information>
```

```

<atm-defects>
  <media-alarm>....</media-alarm>
</atm-defects>
</atm-information>
</physical-interface>

```

#### Description

<atm-defects>

#### Usage

```

<interface-information>
  <physical-interface>
    <atm-information>
      <atm-defects>
        <media-alarm>....</media-alarm>
      </atm-defects>
    </atm-information>
  </physical-interface>
</interface-information>

```

#### Description

<atm-defects>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <atm-information>
      <atm-defects>
        <media-alarm>....</media-alarm>
      </atm-defects>
    </atm-information>
  </physical-interface>
</interface-filter-information>

```

#### Description

<atm-defects>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <atm-information>
      <atm-defects>
        <media-alarm>....</media-alarm>
      </atm-defects>
    </atm-information>
  </physical-interface>
</interface-policer-information>

```

#### Description

## <atm-information>

### Usage

```
<atm-information>
  <plcp-defects>....</plcp-defects>
  <atm-defects>....</atm-defects>
  <plcp-statistics>....</plcp-statistics>
  <atm-hcs-state>
    atm-hcs-state
  </atm-hcs-state>
  <atm-loss-of-cell>
    atm-loss-of-cell
  </atm-loss-of-cell>
  <atm-statistics>....</atm-statistics>
</atm-information>
```

**Description** Operational information and statistics for ATM interfaces

## <atm-information>

### Usage

```
<physical-interface>
  <atm-information>
    <plcp-defects>....</plcp-defects>
    <atm-defects>....</atm-defects>
    <plcp-statistics>....</plcp-statistics>
    <atm-hcs-state>
      atm-hcs-state
    </atm-hcs-state>
    <atm-loss-of-cell>
      atm-loss-of-cell
    </atm-loss-of-cell>
    <atm-statistics>....</atm-statistics>
  </atm-information>
</physical-interface>
```

**Description** Operational information and statistics for ATM interfaces

## <atm-information>

### Usage

```
<interface-information>
  <physical-interface>
    <atm-information>
      <plcp-defects>....</plcp-defects>
      <atm-defects>....</atm-defects>
      <plcp-statistics>....</plcp-statistics>
      <atm-hcs-state>
        atm-hcs-state
      </atm-hcs-state>
      <atm-loss-of-cell>
        atm-loss-of-cell
      </atm-loss-of-cell>
    </atm-information>
  </physical-interface>
</interface-information>
```



```

    </atm-loss-of-cell>
    <atm-statistics>....</atm-statistics>
  </atm-information>
</physical-interface>
</interface-information>

```

**Description** Operational information and statistics for ATM interfaces

### <atm-information>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <atm-information>
      <plcp-defects>....</plcp-defects>
      <atm-defects>....</atm-defects>
      <plcp-statistics>....</plcp-statistics>
      <atm-hcs-state>
        atm-hcs-state
      </atm-hcs-state>
      <atm-loss-of-cell>
        atm-loss-of-cell
      </atm-loss-of-cell>
      <atm-statistics>....</atm-statistics>
    </atm-information>
  </physical-interface>
</interface-filter-information>

```

**Description** Operational information and statistics for ATM interfaces

### <atm-information>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <atm-information>
      <plcp-defects>....</plcp-defects>
      <atm-defects>....</atm-defects>
      <plcp-statistics>....</plcp-statistics>
      <atm-hcs-state>
        atm-hcs-state
      </atm-hcs-state>
      <atm-loss-of-cell>
        atm-loss-of-cell
      </atm-loss-of-cell>
      <atm-statistics>....</atm-statistics>
    </atm-information>
  </physical-interface>
</interface-policer-information>

```

**Description** Operational information and statistics for ATM interfaces

**<atm-policer-statistics>****Usage**

```
<virtual-circuit-information>
  <atm-policer-statistics>
    <non-conform-clp0-cells>
      non-conform-clp0-cells
    </non-conform-clp0-cells>
    <non-conform-clp1-cells>
      non-conform-clp1-cells
    </non-conform-clp1-cells>
    <tagged-cells>
      tagged-cells
    </tagged-cells>
  </atm-policer-statistics>
</virtual-circuit-information>
```

**Description****<atm-policer-statistics>****Usage**

```
<logical-interface>
  <virtual-circuit-information>
    <atm-policer-statistics>
      <non-conform-clp0-cells>
        non-conform-clp0-cells
      </non-conform-clp0-cells>
      <non-conform-clp1-cells>
        non-conform-clp1-cells
      </non-conform-clp1-cells>
      <tagged-cells>
        tagged-cells
      </tagged-cells>
    </atm-policer-statistics>
  </virtual-circuit-information>
</logical-interface>
```

**Description****<atm-policer-statistics>****Usage**

```
<physical-interface>
  <logical-interface>
    <virtual-circuit-information>
      <atm-policer-statistics>
        <non-conform-clp0-cells>
          non-conform-clp0-cells
        </non-conform-clp0-cells>
        <non-conform-clp1-cells>
          non-conform-clp1-cells
        </non-conform-clp1-cells>
```

```

    <tagged-cells>
      tagged-cells
    </tagged-cells>
  </atm-policer-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>

```

#### Description

### <atm-policer-statistics>

#### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <atm-policer-statistics>
          <non-conform-clp0-cells>
            non-conform-clp0-cells
          </non-conform-clp0-cells>
          <non-conform-clp1-cells>
            non-conform-clp1-cells
          </non-conform-clp1-cells>
          <tagged-cells>
            tagged-cells
          </tagged-cells>
        </atm-policer-statistics>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-information>

```

#### Description

### <atm-policer-statistics>

#### Usage

```

<interface-information>
  <logical-interface>
    <virtual-circuit-information>
      <atm-policer-statistics>
        <non-conform-clp0-cells>
          non-conform-clp0-cells
        </non-conform-clp0-cells>
        <non-conform-clp1-cells>
          non-conform-clp1-cells
        </non-conform-clp1-cells>
        <tagged-cells>
          tagged-cells
        </tagged-cells>
      </atm-policer-statistics>
    </virtual-circuit-information>
  </logical-interface>

```

</interface-information>

#### Description

### <atm-policer-statistics>

#### Usage

```
<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <virtual-circuit-information>
      <atm-policer-statistics>
        <non-conform-clp0-cells>
          non-conform-clp0-cells
        </non-conform-clp0-cells>
        <non-conform-clp1-cells>
          non-conform-clp1-cells
        </non-conform-clp1-cells>
        <tagged-cells>
          tagged-cells
        </tagged-cells>
      </atm-policer-statistics>
    </virtual-circuit-information>
  </logical-interface>
</physical-interface>
</interface-filter-information>
```

#### Description

### <atm-policer-statistics>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <virtual-circuit-information>
      <atm-policer-statistics>
        <non-conform-clp0-cells>
          non-conform-clp0-cells
        </non-conform-clp0-cells>
        <non-conform-clp1-cells>
          non-conform-clp1-cells
        </non-conform-clp1-cells>
        <tagged-cells>
          tagged-cells
        </tagged-cells>
      </atm-policer-statistics>
    </virtual-circuit-information>
  </logical-interface>
</interface-filter-information>
```

#### Description

**<atm-policer-statistics>****Usage**

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <atm-policer-statistics>
          <non-conform-clp0-cells>
            non-conform-clp0-cells
          </non-conform-clp0-cells>
          <non-conform-clp1-cells>
            non-conform-clp1-cells
          </non-conform-clp1-cells>
          <tagged-cells>
            tagged-cells
          </tagged-cells>
        </atm-policer-statistics>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

**Description****<atm-policer-statistics>****Usage**

```

<interface-policer-information>
  <logical-interface>
    <virtual-circuit-information>
      <atm-policer-statistics>
        <non-conform-clp0-cells>
          non-conform-clp0-cells
        </non-conform-clp0-cells>
        <non-conform-clp1-cells>
          non-conform-clp1-cells
        </non-conform-clp1-cells>
        <tagged-cells>
          tagged-cells
        </tagged-cells>
      </atm-policer-statistics>
    </virtual-circuit-information>
  </logical-interface>
</interface-policer-information>

```

**Description****<atm-statistics>****Usage**

```

<atm-information>
  <atm-statistics>

```

```
<uncorrectable-hcs-errors>
  uncorrectable-hcs-errors
</uncorrectable-hcs-errors>
<correctable-hcs-errors>
  correctable-hcs-errors
</correctable-hcs-errors>
<tx-cell-fifo-overruns>
  tx-cell-fifo-overruns
</tx-cell-fifo-overruns>
<rx-cell-fifo-overruns>
  rx-cell-fifo-overruns
</rx-cell-fifo-overruns>
<rx-cell-fifo-underruns>
  rx-cell-fifo-underruns
</rx-cell-fifo-underruns>
<rx-cell-count>
  rx-cell-count
</rx-cell-count>
<tx-cell-count>
  tx-cell-count
</tx-cell-count>
<tx-idle-cell-count>
  tx-idle-cell-count
</tx-idle-cell-count>
<vc-queue-drops>
  vc-queue-drops
</vc-queue-drops>
<no-buffers>
  no-buffers
</no-buffers>
<length-errors>
  length-errors
</length-errors>
<timeouts>
  timeouts
</timeouts>
<bundle-timeouts>
  bundle-timeouts
</bundle-timeouts>
<rx-invalid-vcs>
  rx-invalid-vcs
</rx-invalid-vcs>
<bad-crcs>
  bad-crcs
</bad-crcs>
<oam-cell-no-buffers>
  oam-cell-no-buffers
</oam-cell-no-buffers>
</atm-statistics>
</atm-information>
```

## Description

## &lt;atm-statistics&gt;

## Usage

```

<virtual-circuit-information>
  <atm-statistics>
    <uncorrectable-hcs-errors>
      uncorrectable-hcs-errors
    </uncorrectable-hcs-errors>
    <correctable-hcs-errors>
      correctable-hcs-errors
    </correctable-hcs-errors>
    <tx-cell-fifo-overruns>
      tx-cell-fifo-overruns
    </tx-cell-fifo-overruns>
    <rx-cell-fifo-overruns>
      rx-cell-fifo-overruns
    </rx-cell-fifo-overruns>
    <rx-cell-fifo-underruns>
      rx-cell-fifo-underruns
    </rx-cell-fifo-underruns>
    <rx-cell-count>
      rx-cell-count
    </rx-cell-count>
    <tx-cell-count>
      tx-cell-count
    </tx-cell-count>
    <tx-idle-cell-count>
      tx-idle-cell-count
    </tx-idle-cell-count>
    <vc-queue-drops>
      vc-queue-drops
    </vc-queue-drops>
    <no-buffers>
      no-buffers
    </no-buffers>
    <length-errors>
      length-errors
    </length-errors>
    <timeouts>
      timeouts
    </timeouts>
    <bundle-timeouts>
      bundle-timeouts
    </bundle-timeouts>
    <rx-invalid-vcs>
      rx-invalid-vcs
    </rx-invalid-vcs>
    <bad-crcs>
      bad-crcs
    </bad-crcs>
    <oam-cell-no-buffers>
      oam-cell-no-buffers
    </oam-cell-no-buffers>
  </atm-statistics>

```

</virtual-circuit-information>

## Description

### <atm-statistics>

#### Usage

```
<logical-interface>
<virtual-circuit-information>
  <atm-statistics>
    <uncorrectable-hcs-errors>
      uncorrectable-hcs-errors
    </uncorrectable-hcs-errors>
    <correctable-hcs-errors>
      correctable-hcs-errors
    </correctable-hcs-errors>
    <tx-cell-fifo-overruns>
      tx-cell-fifo-overruns
    </tx-cell-fifo-overruns>
    <rx-cell-fifo-overruns>
      rx-cell-fifo-overruns
    </rx-cell-fifo-overruns>
    <rx-cell-fifo-underruns>
      rx-cell-fifo-underruns
    </rx-cell-fifo-underruns>
    <rx-cell-count>
      rx-cell-count
    </rx-cell-count>
    <tx-cell-count>
      tx-cell-count
    </tx-cell-count>
    <tx-idle-cell-count>
      tx-idle-cell-count
    </tx-idle-cell-count>
    <vc-queue-drops>
      vc-queue-drops
    </vc-queue-drops>
    <no-buffers>
      no-buffers
    </no-buffers>
    <length-errors>
      length-errors
    </length-errors>
    <timeouts>
      timeouts
    </timeouts>
    <bundle-timeouts>
      bundle-timeouts
    </bundle-timeouts>
    <rx-invalid-vcs>
      rx-invalid-vcs
    </rx-invalid-vcs>
    <bad-crcs>
      bad-crcs
    </bad-crcs>
```



```

    <oam-cell-no-buffers>
      oam-cell-no-buffers
    </oam-cell-no-buffers>
  </atm-statistics>
</virtual-circuit-information>
</logical-interface>

```

## Description

### <atm-statistics>

#### Usage

```

<physical-interface>
  <atm-information>
    <atm-statistics>
      <uncorrectable-hcs-errors>
        uncorrectable-hcs-errors
      </uncorrectable-hcs-errors>
      <correctable-hcs-errors>
        correctable-hcs-errors
      </correctable-hcs-errors>
      <tx-cell-fifo-overruns>
        tx-cell-fifo-overruns
      </tx-cell-fifo-overruns>
      <rx-cell-fifo-overruns>
        rx-cell-fifo-overruns
      </rx-cell-fifo-overruns>
      <rx-cell-fifo-underruns>
        rx-cell-fifo-underruns
      </rx-cell-fifo-underruns>
      <rx-cell-count>
        rx-cell-count
      </rx-cell-count>
      <tx-cell-count>
        tx-cell-count
      </tx-cell-count>
      <tx-idle-cell-count>
        tx-idle-cell-count
      </tx-idle-cell-count>
      <vc-queue-drops>
        vc-queue-drops
      </vc-queue-drops>
      <no-buffers>
        no-buffers
      </no-buffers>
      <length-errors>
        length-errors
      </length-errors>
      <timeouts>
        timeouts
      </timeouts>
      <bundle-timeouts>
        bundle-timeouts
      </bundle-timeouts>
      <rx-invalid-vcs>

```

```
    rx-invalid-vcs
  </rx-invalid-vcs>
  <bad-crcs>
    bad-crcs
  </bad-crcs>
  <oam-cell-no-buffers>
    oam-cell-no-buffers
  </oam-cell-no-buffers>
</atm-statistics>
</atm-information>
</physical-interface>
```

## Description

### <atm-statistics>

#### Usage

```
<physical-interface>
<logical-interface>
<virtual-circuit-information>
  <atm-statistics>
    <uncorrectable-hcs-errors>
      uncorrectable-hcs-errors
    </uncorrectable-hcs-errors>
    <correctable-hcs-errors>
      correctable-hcs-errors
    </correctable-hcs-errors>
    <tx-cell-fifo-overruns>
      tx-cell-fifo-overruns
    </tx-cell-fifo-overruns>
    <rx-cell-fifo-overruns>
      rx-cell-fifo-overruns
    </rx-cell-fifo-overruns>
    <rx-cell-fifo-underruns>
      rx-cell-fifo-underruns
    </rx-cell-fifo-underruns>
    <rx-cell-count>
      rx-cell-count
    </rx-cell-count>
    <tx-cell-count>
      tx-cell-count
    </tx-cell-count>
    <tx-idle-cell-count>
      tx-idle-cell-count
    </tx-idle-cell-count>
    <vc-queue-drops>
      vc-queue-drops
    </vc-queue-drops>
    <no-buffers>
      no-buffers
    </no-buffers>
    <length-errors>
      length-errors
    </length-errors>
    <timeouts>
```

```

        timeouts
      </timeouts>
    <bundle-timeouts>
      bundle-timeouts
    </bundle-timeouts>
    <rx-invalid-vcs>
      rx-invalid-vcs
    </rx-invalid-vcs>
    <bad-crcs>
      bad-crcs
    </bad-crcs>
    <oam-cell-no-buffers>
      oam-cell-no-buffers
    </oam-cell-no-buffers>
  </atm-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>

```

## Description

### <atm-statistics>

#### Usage

```

<interface-information>
  <physical-interface>
    <atm-information>
      <atm-statistics>
        <uncorrectable-hcs-errors>
          uncorrectable-hcs-errors
        </uncorrectable-hcs-errors>
        <correctable-hcs-errors>
          correctable-hcs-errors
        </correctable-hcs-errors>
        <tx-cell-fifo-overruns>
          tx-cell-fifo-overruns
        </tx-cell-fifo-overruns>
        <rx-cell-fifo-overruns>
          rx-cell-fifo-overruns
        </rx-cell-fifo-overruns>
        <rx-cell-fifo-underruns>
          rx-cell-fifo-underruns
        </rx-cell-fifo-underruns>
        <rx-cell-count>
          rx-cell-count
        </rx-cell-count>
        <tx-cell-count>
          tx-cell-count
        </tx-cell-count>
        <tx-idle-cell-count>
          tx-idle-cell-count
        </tx-idle-cell-count>
        <vc-queue-drops>
          vc-queue-drops
        </vc-queue-drops>
      </atm-statistics>
    </atm-information>
  </physical-interface>
</interface-information>

```

```
<no-buffers>
  no-buffers
</no-buffers>
<length-errors>
  length-errors
</length-errors>
<timeouts>
  timeouts
</timeouts>
<bundle-timeouts>
  bundle-timeouts
</bundle-timeouts>
<rx-invalid-vcs>
  rx-invalid-vcs
</rx-invalid-vcs>
<bad-crcs>
  bad-crcs
</bad-crcs>
<oam-cell-no-buffers>
  oam-cell-no-buffers
</oam-cell-no-buffers>
</atm-statistics>
</atm-information>
</physical-interface>
</interface-information>
```

## Description

### <atm-statistics>

#### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
  <virtual-circuit-information>
    <atm-statistics>
      <uncorrectable-hcs-errors>
        uncorrectable-hcs-errors
      </uncorrectable-hcs-errors>
      <correctable-hcs-errors>
        correctable-hcs-errors
      </correctable-hcs-errors>
      <tx-cell-fifo-overruns>
        tx-cell-fifo-overruns
      </tx-cell-fifo-overruns>
      <rx-cell-fifo-overruns>
        rx-cell-fifo-overruns
      </rx-cell-fifo-overruns>
      <rx-cell-fifo-underruns>
        rx-cell-fifo-underruns
      </rx-cell-fifo-underruns>
      <rx-cell-count>
        rx-cell-count
      </rx-cell-count>
      <tx-cell-count>
```

```

    tx-cell-count
  </tx-cell-count>
  <tx-idle-cell-count>
    tx-idle-cell-count
  </tx-idle-cell-count>
  <vc-queue-drops>
    vc-queue-drops
  </vc-queue-drops>
  <no-buffers>
    no-buffers
  </no-buffers>
  <length-errors>
    length-errors
  </length-errors>
  <timeouts>
    timeouts
  </timeouts>
  <bundle-timeouts>
    bundle-timeouts
  </bundle-timeouts>
  <rx-invalid-vcs>
    rx-invalid-vcs
  </rx-invalid-vcs>
  <bad-crcs>
    bad-crcs
  </bad-crcs>
  <oam-cell-no-buffers>
    oam-cell-no-buffers
  </oam-cell-no-buffers>
</atm-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-information>

```

## Description

### <atm-statistics>

#### Usage

```

<interface-information>
  <logical-interface>
    <virtual-circuit-information>
      <atm-statistics>
        <uncorrectable-hcs-errors>
          uncorrectable-hcs-errors
        </uncorrectable-hcs-errors>
        <correctable-hcs-errors>
          correctable-hcs-errors
        </correctable-hcs-errors>
        <tx-cell-fifo-overruns>
          tx-cell-fifo-overruns
        </tx-cell-fifo-overruns>
        <rx-cell-fifo-overruns>
          rx-cell-fifo-overruns
      </atm-statistics>
    </virtual-circuit-information>
  </logical-interface>
</interface-information>

```

```
</rx-cell-fifo-overruns>
<rx-cell-fifo-underruns>
  rx-cell-fifo-underruns
</rx-cell-fifo-underruns>
<rx-cell-count>
  rx-cell-count
</rx-cell-count>
<tx-cell-count>
  tx-cell-count
</tx-cell-count>
<tx-idle-cell-count>
  tx-idle-cell-count
</tx-idle-cell-count>
<vc-queue-drops>
  vc-queue-drops
</vc-queue-drops>
<no-buffers>
  no-buffers
</no-buffers>
<length-errors>
  length-errors
</length-errors>
<timeouts>
  timeouts
</timeouts>
<bundle-timeouts>
  bundle-timeouts
</bundle-timeouts>
<rx-invalid-vcs>
  rx-invalid-vcs
</rx-invalid-vcs>
<bad-crcs>
  bad-crcs
</bad-crcs>
<oam-cell-no-buffers>
  oam-cell-no-buffers
</oam-cell-no-buffers>
</atm-statistics>
</virtual-circuit-information>
</logical-interface>
</interface-information>
```

## Description

### <atm-statistics>

#### Usage

```
<interface-filter-information>
<physical-interface>
<atm-information>
  <atm-statistics>
    <uncorrectable-hcs-errors>
      uncorrectable-hcs-errors
    </uncorrectable-hcs-errors>
    <correctable-hcs-errors>
```

```

    correctable-hcs-errors
  </correctable-hcs-errors>
  <tx-cell-fifo-overruns>
    tx-cell-fifo-overruns
  </tx-cell-fifo-overruns>
  <rx-cell-fifo-overruns>
    rx-cell-fifo-overruns
  </rx-cell-fifo-overruns>
  <rx-cell-fifo-underruns>
    rx-cell-fifo-underruns
  </rx-cell-fifo-underruns>
  <rx-cell-count>
    rx-cell-count
  </rx-cell-count>
  <tx-cell-count>
    tx-cell-count
  </tx-cell-count>
  <tx-idle-cell-count>
    tx-idle-cell-count
  </tx-idle-cell-count>
  <vc-queue-drops>
    vc-queue-drops
  </vc-queue-drops>
  <no-buffers>
    no-buffers
  </no-buffers>
  <length-errors>
    length-errors
  </length-errors>
  <timeouts>
    timeouts
  </timeouts>
  <bundle-timeouts>
    bundle-timeouts
  </bundle-timeouts>
  <rx-invalid-vcs>
    rx-invalid-vcs
  </rx-invalid-vcs>
  <bad-crcs>
    bad-crcs
  </bad-crcs>
  <oam-cell-no-buffers>
    oam-cell-no-buffers
  </oam-cell-no-buffers>
</atm-statistics>
</atm-information>
</physical-interface>
</interface-filter-information>

```

## Description

<atm-statistics>

## Usage

<interface-filter-information>

```
<physical-interface>
  <logical-interface>
    <virtual-circuit-information>
      <atm-statistics>
        <uncorrectable-hcs-errors>
          uncorrectable-hcs-errors
        </uncorrectable-hcs-errors>
        <correctable-hcs-errors>
          correctable-hcs-errors
        </correctable-hcs-errors>
        <tx-cell-fifo-overruns>
          tx-cell-fifo-overruns
        </tx-cell-fifo-overruns>
        <rx-cell-fifo-overruns>
          rx-cell-fifo-overruns
        </rx-cell-fifo-overruns>
        <rx-cell-fifo-underruns>
          rx-cell-fifo-underruns
        </rx-cell-fifo-underruns>
        <rx-cell-count>
          rx-cell-count
        </rx-cell-count>
        <tx-cell-count>
          tx-cell-count
        </tx-cell-count>
        <tx-idle-cell-count>
          tx-idle-cell-count
        </tx-idle-cell-count>
        <vc-queue-drops>
          vc-queue-drops
        </vc-queue-drops>
        <no-buffers>
          no-buffers
        </no-buffers>
        <length-errors>
          length-errors
        </length-errors>
        <timeouts>
          timeouts
        </timeouts>
        <bundle-timeouts>
          bundle-timeouts
        </bundle-timeouts>
        <rx-invalid-vcs>
          rx-invalid-vcs
        </rx-invalid-vcs>
        <bad-crcs>
          bad-crcs
        </bad-crcs>
        <oam-cell-no-buffers>
          oam-cell-no-buffers
        </oam-cell-no-buffers>
      </atm-statistics>
    </virtual-circuit-information>
  </logical-interface>
</physical-interface>
```



```
</interface-filter-information>
```

## Description

```
<atm-statistics>
```

## Usage

```
<interface-filter-information>
<logical-interface>
<virtual-circuit-information>
  <atm-statistics>
    <uncorrectable-hcs-errors>
      uncorrectable-hcs-errors
    </uncorrectable-hcs-errors>
    <correctable-hcs-errors>
      correctable-hcs-errors
    </correctable-hcs-errors>
    <tx-cell-fifo-overruns>
      tx-cell-fifo-overruns
    </tx-cell-fifo-overruns>
    <rx-cell-fifo-overruns>
      rx-cell-fifo-overruns
    </rx-cell-fifo-overruns>
    <rx-cell-fifo-underruns>
      rx-cell-fifo-underruns
    </rx-cell-fifo-underruns>
    <rx-cell-count>
      rx-cell-count
    </rx-cell-count>
    <tx-cell-count>
      tx-cell-count
    </tx-cell-count>
    <tx-idle-cell-count>
      tx-idle-cell-count
    </tx-idle-cell-count>
    <vc-queue-drops>
      vc-queue-drops
    </vc-queue-drops>
    <no-buffers>
      no-buffers
    </no-buffers>
    <length-errors>
      length-errors
    </length-errors>
    <timeouts>
      timeouts
    </timeouts>
    <bundle-timeouts>
      bundle-timeouts
    </bundle-timeouts>
    <rx-invalid-vcs>
      rx-invalid-vcs
    </rx-invalid-vcs>
    <bad-crcs>
      bad-crcs
```

```
</bad-crcs>
<oam-cell-no-buffers>
  oam-cell-no-buffers
</oam-cell-no-buffers>
</atm-statistics>
</virtual-circuit-information>
</logical-interface>
</interface-filter-information>
```

## Description

### <atm-statistics>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <atm-information>
    <atm-statistics>
      <uncorrectable-hcs-errors>
        uncorrectable-hcs-errors
      </uncorrectable-hcs-errors>
      <correctable-hcs-errors>
        correctable-hcs-errors
      </correctable-hcs-errors>
      <tx-cell-fifo-overruns>
        tx-cell-fifo-overruns
      </tx-cell-fifo-overruns>
      <rx-cell-fifo-overruns>
        rx-cell-fifo-overruns
      </rx-cell-fifo-overruns>
      <rx-cell-fifo-underruns>
        rx-cell-fifo-underruns
      </rx-cell-fifo-underruns>
      <rx-cell-count>
        rx-cell-count
      </rx-cell-count>
      <tx-cell-count>
        tx-cell-count
      </tx-cell-count>
      <tx-idle-cell-count>
        tx-idle-cell-count
      </tx-idle-cell-count>
      <vc-queue-drops>
        vc-queue-drops
      </vc-queue-drops>
      <no-buffers>
        no-buffers
      </no-buffers>
      <length-errors>
        length-errors
      </length-errors>
      <timeouts>
        timeouts
      </timeouts>
      <bundle-timeouts>
```

```

        bundle-timeouts
      </bundle-timeouts>
      <rx-invalid-vcs>
        rx-invalid-vcs
      </rx-invalid-vcs>
      <bad-crcs>
        bad-crcs
      </bad-crcs>
      <oam-cell-no-buffers>
        oam-cell-no-buffers
      </oam-cell-no-buffers>
    </atm-statistics>
  </atm-information>
</physical-interface>
</interface-policer-information>

```

## Description

### <atm-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <atm-statistics>
          <uncorrectable-hcs-errors>
            uncorrectable-hcs-errors
          </uncorrectable-hcs-errors>
          <correctable-hcs-errors>
            correctable-hcs-errors
          </correctable-hcs-errors>
          <tx-cell-fifo-overruns>
            tx-cell-fifo-overruns
          </tx-cell-fifo-overruns>
          <rx-cell-fifo-overruns>
            rx-cell-fifo-overruns
          </rx-cell-fifo-overruns>
          <rx-cell-fifo-underruns>
            rx-cell-fifo-underruns
          </rx-cell-fifo-underruns>
          <rx-cell-count>
            rx-cell-count
          </rx-cell-count>
          <tx-cell-count>
            tx-cell-count
          </tx-cell-count>
          <tx-idle-cell-count>
            tx-idle-cell-count
          </tx-idle-cell-count>
          <vc-queue-drops>
            vc-queue-drops
          </vc-queue-drops>
          <no-buffers>
            no-buffers
          </no-buffers>
        </atm-statistics>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

```
</no-buffers>
<length-errors>
  length-errors
</length-errors>
<timeouts>
  timeouts
</timeouts>
<bundle-timeouts>
  bundle-timeouts
</bundle-timeouts>
<rx-invalid-vcs>
  rx-invalid-vcs
</rx-invalid-vcs>
<bad-crcs>
  bad-crcs
</bad-crcs>
<oam-cell-no-buffers>
  oam-cell-no-buffers
</oam-cell-no-buffers>
</atm-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

## Description

### <atm-statistics>

#### Usage

```
<interface-policer-information>
<logical-interface>
<virtual-circuit-information>
  <atm-statistics>
    <uncorrectable-hcs-errors>
      uncorrectable-hcs-errors
    </uncorrectable-hcs-errors>
    <correctable-hcs-errors>
      correctable-hcs-errors
    </correctable-hcs-errors>
    <tx-cell-fifo-overruns>
      tx-cell-fifo-overruns
    </tx-cell-fifo-overruns>
    <rx-cell-fifo-overruns>
      rx-cell-fifo-overruns
    </rx-cell-fifo-overruns>
    <rx-cell-fifo-underruns>
      rx-cell-fifo-underruns
    </rx-cell-fifo-underruns>
    <rx-cell-count>
      rx-cell-count
    </rx-cell-count>
    <tx-cell-count>
      tx-cell-count
    </tx-cell-count>
```

```

<tx-idle-cell-count>
  tx-idle-cell-count
</tx-idle-cell-count>
<vc-queue-drops>
  vc-queue-drops
</vc-queue-drops>
<no-buffers>
  no-buffers
</no-buffers>
<length-errors>
  length-errors
</length-errors>
<timeouts>
  timeouts
</timeouts>
<bundle-timeouts>
  bundle-timeouts
</bundle-timeouts>
<rx-invalid-vcs>
  rx-invalid-vcs
</rx-invalid-vcs>
<bad-crcs>
  bad-crcs
</bad-crcs>
<oam-cell-no-buffers>
  oam-cell-no-buffers
</oam-cell-no-buffers>
</atm-statistics>
</virtual-circuit-information>
</logical-interface>
</interface-policer-information>

```

#### Description

#### <ber-threshold>

#### Usage

```

<physical-interface>
  <ber-threshold>
    <ber-sd>
      ber-sd
    </ber-sd>
    <ber-sf>
      ber-sf
    </ber-sf>
  </ber-threshold>
</physical-interface>

```

**Description** Bit error rate (BER) threshold for SONET interface

## <ber-threshold>

### Usage

```
<interface-information>
  <physical-interface>
    <ber-threshold>
      <ber-sd>
        ber-sd
      </ber-sd>
      <ber-sf>
        ber-sf
      </ber-sf>
    </ber-threshold>
  </physical-interface>
</interface-information>
```

**Description** Bit error rate (BER) threshold for SONET interface

## <ber-threshold>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <ber-threshold>
      <ber-sd>
        ber-sd
      </ber-sd>
      <ber-sf>
        ber-sf
      </ber-sf>
    </ber-threshold>
  </physical-interface>
</interface-filter-information>
```

**Description** Bit error rate (BER) threshold for SONET interface

## <ber-threshold>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <ber-threshold>
      <ber-sd>
        ber-sd
      </ber-sd>
      <ber-sf>
        ber-sf
      </ber-sf>
    </ber-threshold>
  </physical-interface>
</interface-policer-information>
```

**Description** Bit error rate (BER) threshold for SONET interface

### <bridge-iff-properties>

#### Usage

```
<bridge-iff-properties>
  <svlan-ethertype>
    svlan-ethertype
  </svlan-ethertype>
  <eth-switching-flags>....</eth-switching-flags>
</bridge-iff-properties>
```

**Description** Information about Ethernet-switching address family

### <bridge-iff-properties>

#### Usage

```
<logical-interface>
  <bridge-iff-properties>
    <svlan-ethertype>
      svlan-ethertype
    </svlan-ethertype>
    <eth-switching-flags>....</eth-switching-flags>
  </bridge-iff-properties>
</logical-interface>
```

**Description** Information about Ethernet-switching address family

### <bridge-iff-properties>

#### Usage

```
<physical-interface>
  <logical-interface>
    <bridge-iff-properties>
      <svlan-ethertype>
        svlan-ethertype
      </svlan-ethertype>
      <eth-switching-flags>....</eth-switching-flags>
    </bridge-iff-properties>
  </logical-interface>
</physical-interface>
```

**Description** Information about Ethernet-switching address family

### <bridge-iff-properties>

#### Usage

```
<interface-information>
  <physical-interface>
  <logical-interface>
```

```
<bridge-iff-properties>
  <svlan-ethertype>
    svlan-ethertype
  </svlan-ethertype>
  <eth-switching-flags>....</eth-switching-flags>
</bridge-iff-properties>
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** Information about Ethernet-switching address family

### <bridge-iff-properties>

#### Usage

```
<interface-information>
  <logical-interface>
    <bridge-iff-properties>
      <svlan-ethertype>
        svlan-ethertype
      </svlan-ethertype>
      <eth-switching-flags>....</eth-switching-flags>
    </bridge-iff-properties>
  </logical-interface>
</interface-information>
```

**Description** Information about Ethernet-switching address family

### <bridge-iff-properties>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <bridge-iff-properties>
        <svlan-ethertype>
          svlan-ethertype
        </svlan-ethertype>
        <eth-switching-flags>....</eth-switching-flags>
      </bridge-iff-properties>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description** Information about Ethernet-switching address family

### <bridge-iff-properties>

#### Usage

```
<interface-filter-information>
  <logical-interface>
```



```

<bridge-iff-properties>
  <svlan-ethertype>
    svlan-ethertype
  </svlan-ethertype>
  <eth-switching-flags>....</eth-switching-flags>
</bridge-iff-properties>
</logical-interface>
</interface-filter-information>

```

**Description** Information about Ethernet-switching address family

### <bridge-iff-properties>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <bridge-iff-properties>
        <svlan-ethertype>
          svlan-ethertype
        </svlan-ethertype>
        <eth-switching-flags>....</eth-switching-flags>
      </bridge-iff-properties>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

**Description** Information about Ethernet-switching address family

### <bridge-iff-properties>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <bridge-iff-properties>
      <svlan-ethertype>
        svlan-ethertype
      </svlan-ethertype>
      <eth-switching-flags>....</eth-switching-flags>
    </bridge-iff-properties>
  </logical-interface>
</interface-policer-information>

```

**Description** Information about Ethernet-switching address family

### <bundle>

#### Usage

```

<multilink-traffic-statistics>
  <bundle>
    <multilink-frames>....</multilink-frames>

```

```
    <network-frames>....</network-frames>
  </bundle>
</multilink-traffic-statistics>
```

**Description****<bundle>****Usage**

```
<mlfr-uni-nni-traffic-statistics>
  <bundle>
    <multilink-frames>....</multilink-frames>
    <network-frames>....</network-frames>
  </bundle>
</mlfr-uni-nni-traffic-statistics>
```

**Description****<bundle>****Usage**

```
<logical-interface>
  <multilink-traffic-statistics>
    <bundle>
      <multilink-frames>....</multilink-frames>
      <network-frames>....</network-frames>
    </bundle>
  </multilink-traffic-statistics>
</logical-interface>
```

**Description****<bundle>****Usage**

```
<physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <bundle>
        <multilink-frames>....</multilink-frames>
        <network-frames>....</network-frames>
      </bundle>
    </multilink-traffic-statistics>
  </logical-interface>
</physical-interface>
```

**Description****<bundle>****Usage**

```
<physical-interface>
```

```

<mlfr-uni-nni-traffic-statistics>
  <bundle>
    <multilink-frames>....</multilink-frames>
    <network-frames>....</network-frames>
  </bundle>
</mlfr-uni-nni-traffic-statistics>
</physical-interface>

```

**Description****<bundle>****Usage**

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <bundle>
          <multilink-frames>....</multilink-frames>
          <network-frames>....</network-frames>
        </bundle>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-information>

```

**Description****<bundle>****Usage**

```

<interface-information>
  <physical-interface>
    <mlfr-uni-nni-traffic-statistics>
      <bundle>
        <multilink-frames>....</multilink-frames>
        <network-frames>....</network-frames>
      </bundle>
    </mlfr-uni-nni-traffic-statistics>
  </physical-interface>
</interface-information>

```

**Description****<bundle>****Usage**

```

<interface-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <bundle>
        <multilink-frames>....</multilink-frames>
        <network-frames>....</network-frames>
      </bundle>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-information>

```

```
</bundle>
</multilink-traffic-statistics>
</logical-interface>
</interface-information>
```

**Description****<bundle>****Usage**

```
<interface-filter-information>
<physical-interface>
<logical-interface>
<multilink-traffic-statistics>
  <bundle>
    <multilink-frames>....</multilink-frames>
    <network-frames>....</network-frames>
  </bundle>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

**Description****<bundle>****Usage**

```
<interface-filter-information>
<physical-interface>
<mlfr-uni-nni-traffic-statistics>
  <bundle>
    <multilink-frames>....</multilink-frames>
    <network-frames>....</network-frames>
  </bundle>
</mlfr-uni-nni-traffic-statistics>
</physical-interface>
</interface-filter-information>
```

**Description****<bundle>****Usage**

```
<interface-filter-information>
<logical-interface>
<multilink-traffic-statistics>
  <bundle>
    <multilink-frames>....</multilink-frames>
    <network-frames>....</network-frames>
  </bundle>
</multilink-traffic-statistics>
</logical-interface>
```

```
</interface-filter-information>
```

#### Description

**<bundle>**

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <bundle>
      <multilink-frames>....</multilink-frames>
      <network-frames>....</network-frames>
    </bundle>
  </multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

#### Description

**<bundle>**

#### Usage

```
<interface-policer-information>
<physical-interface>
<mlfr-uni-nni-traffic-statistics>
  <bundle>
    <multilink-frames>....</multilink-frames>
    <network-frames>....</network-frames>
  </bundle>
</mlfr-uni-nni-traffic-statistics>
</physical-interface>
</interface-policer-information>
```

#### Description

**<bundle>**

#### Usage

```
<interface-policer-information>
<logical-interface>
  <multilink-traffic-statistics>
    <bundle>
      <multilink-frames>....</multilink-frames>
      <network-frames>....</network-frames>
    </bundle>
  </multilink-traffic-statistics>
</logical-interface>
</interface-policer-information>
```

**Description****<bundle-detail>****Usage**

```
<multilink-traffic-statistics>
  <multilink-detail-statistics>
    <bundle-detail>
      <fragments>....</fragments>
      <non-fragments>....</non-fragments>
      <lfi>....</lfi>
    </bundle-detail>
  </multilink-detail-statistics>
</multilink-traffic-statistics>
```

**Description****<bundle-detail>****Usage**

```
<logical-interface>
  <multilink-traffic-statistics>
    <multilink-detail-statistics>
      <bundle-detail>
        <fragments>....</fragments>
        <non-fragments>....</non-fragments>
        <lfi>....</lfi>
      </bundle-detail>
    </multilink-detail-statistics>
  </multilink-traffic-statistics>
</logical-interface>
```

**Description****<bundle-detail>****Usage**

```
<physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>
          <fragments>....</fragments>
          <non-fragments>....</non-fragments>
          <lfi>....</lfi>
        </bundle-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</physical-interface>
```

**Description**

**<bundle-detail>****Usage**

```

<interface-information>
  <physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>
          <fragments>....</fragments>
          <non-fragments>....</non-fragments>
          <lfi>....</lfi>
        </bundle-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</physical-interface>
</interface-information>

```

**Description****<bundle-detail>****Usage**

```

<interface-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>
          <fragments>....</fragments>
          <non-fragments>....</non-fragments>
          <lfi>....</lfi>
        </bundle-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-information>

```

**Description****<bundle-detail>****Usage**

```

<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>
          <fragments>....</fragments>
          <non-fragments>....</non-fragments>
          <lfi>....</lfi>
        </bundle-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</physical-interface>
</interface-filter-information>

```

```
        </multilink-detail-statistics>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

#### Description

### <bundle-detail>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>
          <fragments>....</fragments>
          <non-fragments>....</non-fragments>
          <lfi>....</lfi>
        </bundle-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-filter-information>
```

#### Description

### <bundle-detail>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <multilink-detail-statistics>
          <bundle-detail>
            <fragments>....</fragments>
            <non-fragments>....</non-fragments>
            <lfi>....</lfi>
          </bundle-detail>
        </multilink-detail-statistics>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```

#### Description

### <bundle-detail>

#### Usage

```
<interface-policer-information>
  <logical-interface>
```



```

<multilink-traffic-statistics>
  <multilink-detail-statistics>
    <bundle-detail>
      <fragments>....</fragments>
      <non-fragments>....</non-fragments>
      <lfi>....</lfi>
    </bundle-detail>
  </multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</interface-policer-information>

```

**Description****<cds1-information>****Usage**

```

<cds1-information>
  <interface-tx-queue>....</interface-tx-queue>
</cds1-information>

```

**Description****<cds1-information>****Usage**

```

<physical-interface>
  <cds1-information>
    <interface-tx-queue>....</interface-tx-queue>
  </cds1-information>
</physical-interface>

```

**Description****<cds1-information>****Usage**

```

<interface-information>
  <physical-interface>
    <cds1-information>
      <interface-tx-queue>....</interface-tx-queue>
    </cds1-information>
  </physical-interface>
</interface-information>

```

**Description****<cds1-information>****Usage**

```

<interface-filter-information>
  <physical-interface>

```

```
<cdsl-information>
  <interface-tx-queue>....</interface-tx-queue>
</cdsl-information>
</physical-interface>
</interface-filter-information>
```

#### Description

### <cdsl-information>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <cdsl-information>
    <interface-tx-queue>....</interface-tx-queue>
  </cdsl-information>
</physical-interface>
</interface-policer-information>
```

#### Description

### <cesopsn-information>

#### Usage

```
<cesopsn-information>
  <ce-packetization-latency>
    ce-packetization-latency
  </ce-packetization-latency>
  <ce-idle-pattern>
    ce-idle-pattern
  </ce-idle-pattern>
  <ce-jitter-buffer-packets>
    ce-jitter-buffer-packets
  </ce-jitter-buffer-packets>
  <ce-jitter-buffer-latency>
    ce-jitter-buffer-latency
  </ce-jitter-buffer-latency>
  <ce-jitter-buffer-auto-adjust>
    ce-jitter-buffer-auto-adjust
  </ce-jitter-buffer-auto-adjust>
  <ce-excessive-packet-loss-rate-sample-period>
    ce-excessive-packet-loss-rate-sample-period
  </ce-excessive-packet-loss-rate-sample-period>
  <ce-excessive-packet-loss-rate-threshold>
    ce-excessive-packet-loss-rate-threshold
  </ce-excessive-packet-loss-rate-threshold>
</cesopsn-information>
```

#### Description

**<cesopsn-information>****Usage**

```

<physical-interface>
  <cesopsn-information>
    <ce-packetization-latency>
      ce-packetization-latency
    </ce-packetization-latency>
    <ce-idle-pattern>
      ce-idle-pattern
    </ce-idle-pattern>
    <ce-jitter-buffer-packets>
      ce-jitter-buffer-packets
    </ce-jitter-buffer-packets>
    <ce-jitter-buffer-latency>
      ce-jitter-buffer-latency
    </ce-jitter-buffer-latency>
    <ce-jitter-buffer-auto-adjust>
      ce-jitter-buffer-auto-adjust
    </ce-jitter-buffer-auto-adjust>
    <ce-excessive-packet-loss-rate-sample-period>
      ce-excessive-packet-loss-rate-sample-period
    </ce-excessive-packet-loss-rate-sample-period>
    <ce-excessive-packet-loss-rate-threshold>
      ce-excessive-packet-loss-rate-threshold
    </ce-excessive-packet-loss-rate-threshold>
  </cesopsn-information>
</physical-interface>

```

**Description****<cesopsn-information>****Usage**

```

<interface-information>
  <physical-interface>
    <cesopsn-information>
      <ce-packetization-latency>
        ce-packetization-latency
      </ce-packetization-latency>
      <ce-idle-pattern>
        ce-idle-pattern
      </ce-idle-pattern>
      <ce-jitter-buffer-packets>
        ce-jitter-buffer-packets
      </ce-jitter-buffer-packets>
      <ce-jitter-buffer-latency>
        ce-jitter-buffer-latency
      </ce-jitter-buffer-latency>
      <ce-jitter-buffer-auto-adjust>
        ce-jitter-buffer-auto-adjust
      </ce-jitter-buffer-auto-adjust>
      <ce-excessive-packet-loss-rate-sample-period>
        ce-excessive-packet-loss-rate-sample-period

```

```
</ce-excessive-packet-loss-rate-sample-period>
<ce-excessive-packet-loss-rate-threshold>
  ce-excessive-packet-loss-rate-threshold
</ce-excessive-packet-loss-rate-threshold>
</cesopsn-information>
</physical-interface>
</interface-information>
```

#### Description

### <cesopsn-information>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <cesopsn-information>
    <ce-packetization-latency>
      ce-packetization-latency
    </ce-packetization-latency>
    <ce-idle-pattern>
      ce-idle-pattern
    </ce-idle-pattern>
    <ce-jitter-buffer-packets>
      ce-jitter-buffer-packets
    </ce-jitter-buffer-packets>
    <ce-jitter-buffer-latency>
      ce-jitter-buffer-latency
    </ce-jitter-buffer-latency>
    <ce-jitter-buffer-auto-adjust>
      ce-jitter-buffer-auto-adjust
    </ce-jitter-buffer-auto-adjust>
    <ce-excessive-packet-loss-rate-sample-period>
      ce-excessive-packet-loss-rate-sample-period
    </ce-excessive-packet-loss-rate-sample-period>
    <ce-excessive-packet-loss-rate-threshold>
      ce-excessive-packet-loss-rate-threshold
    </ce-excessive-packet-loss-rate-threshold>
  </cesopsn-information>
</physical-interface>
</interface-filter-information>
```

#### Description

### <cesopsn-information>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <cesopsn-information>
    <ce-packetization-latency>
      ce-packetization-latency
    </ce-packetization-latency>
    <ce-idle-pattern>
      ce-idle-pattern
```

```

</ce-idle-pattern>
<ce-jitter-buffer-packets>
  ce-jitter-buffer-packets
</ce-jitter-buffer-packets>
<ce-jitter-buffer-latency>
  ce-jitter-buffer-latency
</ce-jitter-buffer-latency>
<ce-jitter-buffer-auto-adjust>
  ce-jitter-buffer-auto-adjust
</ce-jitter-buffer-auto-adjust>
<ce-excessive-packet-loss-rate-sample-period>
  ce-excessive-packet-loss-rate-sample-period
</ce-excessive-packet-loss-rate-sample-period>
<ce-excessive-packet-loss-rate-threshold>
  ce-excessive-packet-loss-rate-threshold
</ce-excessive-packet-loss-rate-threshold>
</cesopsn-information>
</physical-interface>
</interface-policer-information>

```

**Description****<chassis-queue-counters>****Usage**

```

<chassis-queue-counters>
  <interface-chassis-cos-summary>....</interface-chassis-cos-summary>
  <queue>....</queue>
</chassis-queue-counters>

```

**Description** Chassis queue counter statistics**<chassis-queue-counters>****Usage**

```

<physical-interface>
  <chassis-queue-counters>
    <interface-chassis-cos-summary>....</interface-chassis-cos-summary>
    <queue>....</queue>
  </chassis-queue-counters>
</physical-interface>

```

**Description** Chassis queue counter statistics**<chassis-queue-counters>****Usage**

```

<interface-information>
  <physical-interface>
    <chassis-queue-counters>
      <interface-chassis-cos-summary>....</interface-chassis-cos-summary>
    </chassis-queue-counters>
  </physical-interface>
</interface-information>

```

```
<queue>....</queue>
</chassis-queue-counters>
</physical-interface>
</interface-information>
```

**Description** Chassis queue counter statistics

### <chassis-queue-counters>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <chassis-queue-counters>
    <interface-chassis-cos-summary>....</interface-chassis-cos-summary>
    <queue>....</queue>
  </chassis-queue-counters>
</physical-interface>
</interface-filter-information>
```

**Description** Chassis queue counter statistics

### <chassis-queue-counters>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <chassis-queue-counters>
    <interface-chassis-cos-summary>....</interface-chassis-cos-summary>
    <queue>....</queue>
  </chassis-queue-counters>
</physical-interface>
</interface-policer-information>
```

**Description** Chassis queue counter statistics

### <class>

#### Usage

```
<multilink-traffic-statistics>
<class>
  <class-info>....</class-info>
  <multilink-frames>....</multilink-frames>
  <network-frames>....</network-frames>
</class>
</multilink-traffic-statistics>
```

**Description** Multilink class traffic statistics

**<class>****Usage**

```

<logical-interface>
  <multilink-traffic-statistics>
    <class>
      <class-info>....</class-info>
      <multilink-frames>....</multilink-frames>
      <network-frames>....</network-frames>
    </class>
  </multilink-traffic-statistics>
</logical-interface>

```

**Description** Multilink class traffic statistics

**<class>****Usage**

```

<physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <class>
        <class-info>....</class-info>
        <multilink-frames>....</multilink-frames>
        <network-frames>....</network-frames>
      </class>
    </multilink-traffic-statistics>
  </logical-interface>
</physical-interface>

```

**Description** Multilink class traffic statistics

**<class>****Usage**

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <class>
          <class-info>....</class-info>
          <multilink-frames>....</multilink-frames>
          <network-frames>....</network-frames>
        </class>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-information>

```

**Description** Multilink class traffic statistics

## <class>

### Usage

```
<interface-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <class>
        <class-info>....</class-info>
        <multilink-frames>....</multilink-frames>
        <network-frames>....</network-frames>
      </class>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-information>
```

**Description** Multilink class traffic statistics

## <class>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <class>
          <class-info>....</class-info>
          <multilink-frames>....</multilink-frames>
          <network-frames>....</network-frames>
        </class>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description** Multilink class traffic statistics

## <class>

### Usage

```
<interface-filter-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <class>
        <class-info>....</class-info>
        <multilink-frames>....</multilink-frames>
        <network-frames>....</network-frames>
      </class>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-filter-information>
```



**Description** Multilink class traffic statistics

### <class>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <class>
          <class-info>....</class-info>
          <multilink-frames>....</multilink-frames>
          <network-frames>....</network-frames>
        </class>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```

**Description** Multilink class traffic statistics

### <class>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <class>
        <class-info>....</class-info>
        <multilink-frames>....</multilink-frames>
        <network-frames>....</network-frames>
      </class>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-policer-information>
```

**Description** Multilink class traffic statistics

### <class-detail>

#### Usage

```
<multilink-traffic-statistics>
  <multilink-detail-statistics>
    <class-detail>
      <class-info>....</class-info>
      <fragments>....</fragments>
      <non-fragments>....</non-fragments>
    </class-detail>
  </multilink-detail-statistics>
</multilink-traffic-statistics>
```

**Description****<class-detail>****Usage**

```
<logical-interface>
  <multilink-traffic-statistics>
    <multilink-detail-statistics>
      <class-detail>
        <class-info>....</class-info>
        <fragments>....</fragments>
        <non-fragments>....</non-fragments>
      </class-detail>
    </multilink-detail-statistics>
  </multilink-traffic-statistics>
</logical-interface>
```

**Description****<class-detail>****Usage**

```
<physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <class-detail>
          <class-info>....</class-info>
          <fragments>....</fragments>
          <non-fragments>....</non-fragments>
        </class-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</physical-interface>
```

**Description****<class-detail>****Usage**

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <multilink-detail-statistics>
          <class-detail>
            <class-info>....</class-info>
            <fragments>....</fragments>
            <non-fragments>....</non-fragments>
          </class-detail>
        </multilink-detail-statistics>
      </multilink-traffic-statistics>
    </logical-interface>
```

```

    </physical-interface>
  </interface-information>

```

#### Description

**<class-detail>**

#### Usage

```

<interface-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <class-detail>
          <class-info>....</class-info>
          <fragments>....</fragments>
          <non-fragments>....</non-fragments>
        </class-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-information>

```

#### Description

**<class-detail>**

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <multilink-detail-statistics>
          <class-detail>
            <class-info>....</class-info>
            <fragments>....</fragments>
            <non-fragments>....</non-fragments>
          </class-detail>
        </multilink-detail-statistics>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

#### Description

**<class-detail>**

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <class-detail>

```

```
<class-info>....</class-info>
<fragments>....</fragments>
<non-fragments>....</non-fragments>
</class-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</interface-filter-information>
```

#### Description

#### <class-detail>

##### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
<multilink-traffic-statistics>
<multilink-detail-statistics>
<class-detail>
  <class-info>....</class-info>
  <fragments>....</fragments>
  <non-fragments>....</non-fragments>
</class-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

#### Description

#### <class-detail>

##### Usage

```
<interface-policer-information>
<logical-interface>
<multilink-traffic-statistics>
<multilink-detail-statistics>
<class-detail>
  <class-info>....</class-info>
  <fragments>....</fragments>
  <non-fragments>....</non-fragments>
</class-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</interface-policer-information>
```

#### Description

**<class-info>****Usage**

```
<multilink-traffic-statistics>
  <class>
    <class-info>
      <multilink-class-id>
        multilink-class-id
      </multilink-class-id>
    </class-info>
  </class>
</multilink-traffic-statistics>
```

**Description** Multilink class information

**<class-info>****Usage**

```
<multilink-traffic-statistics>
  <multilink-detail-statistics>
    <class-detail>
      <class-info>
        <multilink-class-id>
          multilink-class-id
        </multilink-class-id>
      </class-info>
    </class-detail>
  </multilink-detail-statistics>
</multilink-traffic-statistics>
```

**Description** Multilink class information

**<class-info>****Usage**

```
<logical-interface>
  <multilink-traffic-statistics>
    <class>
      <class-info>
        <multilink-class-id>
          multilink-class-id
        </multilink-class-id>
      </class-info>
    </class>
  </multilink-traffic-statistics>
</logical-interface>
```

**Description** Multilink class information

## <class-info>

### Usage

```
<logical-interface>
  <multilink-traffic-statistics>
    <multilink-detail-statistics>
      <class-detail>
        <class-info>
          <multilink-class-id>
            multilink-class-id
          </multilink-class-id>
        </class-info>
      </class-detail>
    </multilink-detail-statistics>
  </multilink-traffic-statistics>
</logical-interface>
```

**Description** Multilink class information

## <class-info>

### Usage

```
<physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <class>
        <class-info>
          <multilink-class-id>
            multilink-class-id
          </multilink-class-id>
        </class-info>
      </class>
    </multilink-traffic-statistics>
  </logical-interface>
</physical-interface>
```

**Description** Multilink class information

## <class-info>

### Usage

```
<physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <class-detail>
          <class-info>
            <multilink-class-id>
              multilink-class-id
            </multilink-class-id>
          </class-info>
        </class-detail>
```

```

        </multilink-detail-statistics>
    </multilink-traffic-statistics>
</logical-interface>
</physical-interface>

```

**Description** Multilink class information

### <class-info>

#### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <class>
          <class-info>
            <multilink-class-id>
              multilink-class-id
            </multilink-class-id>
          </class-info>
        </class>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-information>

```

**Description** Multilink class information

### <class-info>

#### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <multilink-detail-statistics>
          <class-detail>
            <class-info>
              <multilink-class-id>
                multilink-class-id
              </multilink-class-id>
            </class-info>
          </class-detail>
        </multilink-detail-statistics>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-information>

```

**Description** Multilink class information

## <class-info>

### Usage

```
<interface-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <class>
        <class-info>
          <multilink-class-id>
            multilink-class-id
          </multilink-class-id>
        </class-info>
      </class>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-information>
```

**Description** Multilink class information

## <class-info>

### Usage

```
<interface-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <class-detail>
          <class-info>
            <multilink-class-id>
              multilink-class-id
            </multilink-class-id>
          </class-info>
        </class-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-information>
```

**Description** Multilink class information

## <class-info>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <class>
          <class-info>
            <multilink-class-id>
              multilink-class-id
            </multilink-class-id>
          </class-info>
        </class>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```



```

    </class-info>
  </class>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

**Description** Multilink class information

### <class-info>

#### Usage

```

<interface-filter-information>
<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <multilink-detail-statistics>
      <class-detail>
        <class-info>
          <multilink-class-id>
            multilink-class-id
          </multilink-class-id>
        </class-info>
      </class-detail>
    </multilink-detail-statistics>
  </multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

**Description** Multilink class information

### <class-info>

#### Usage

```

<interface-filter-information>
<logical-interface>
  <multilink-traffic-statistics>
    <class>
      <class-info>
        <multilink-class-id>
          multilink-class-id
        </multilink-class-id>
      </class-info>
    </class>
  </multilink-traffic-statistics>
</logical-interface>
</interface-filter-information>

```

**Description** Multilink class information

## <class-info>

### Usage

```
<interface-filter-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <class-detail>
          <class-info>
            <multilink-class-id>
              multilink-class-id
            </multilink-class-id>
          </class-info>
        </class-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-filter-information>
```

**Description** Multilink class information

## <class-info>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <class>
          <class-info>
            <multilink-class-id>
              multilink-class-id
            </multilink-class-id>
          </class-info>
        </class>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```

**Description** Multilink class information

## <class-info>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <multilink-detail-statistics>
          <class-detail>
            <class-info>
```

```

    <multilink-class-id>
      multilink-class-id
    </multilink-class-id>
  </class-info>
</class-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** Multilink class information

### <class-info>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <class>
        <class-info>
          <multilink-class-id>
            multilink-class-id
          </multilink-class-id>
        </class-info>
      </class>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-policer-information>

```

**Description** Multilink class information

### <class-info>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <class-detail>
          <class-info>
            <multilink-class-id>
              multilink-class-id
            </multilink-class-id>
          </class-info>
        </class-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-policer-information>

```

**Description**    Multilink class information

### <clocking-mode>

**Usage**

```
<serial-information>
  <clocking-mode>
    <clock-mode>
      clock-mode
    </clock-mode>
  </clocking-mode>
</serial-information>
```

**Description**

### <clocking-mode>

**Usage**

```
<physical-interface>
  <serial-information>
    <clocking-mode>
      <clock-mode>
        clock-mode
      </clock-mode>
    </clocking-mode>
  </serial-information>
</physical-interface>
```

**Description**

### <clocking-mode>

**Usage**

```
<interface-information>
  <physical-interface>
    <serial-information>
      <clocking-mode>
        <clock-mode>
          clock-mode
        </clock-mode>
      </clocking-mode>
    </serial-information>
  </physical-interface>
</interface-information>
```

**Description**

### <clocking-mode>

**Usage**

```
<interface-filter-information>
  <physical-interface>
    <serial-information>
```

```
<clocking-mode>
  <clock-mode>
    clock-mode
  </clock-mode>
</clocking-mode>
</serial-information>
</physical-interface>
</interface-filter-information>
```

**Description****<clocking-mode>****Usage**

```
<interface-policer-information>
  <physical-interface>
    <serial-information>
      <clocking-mode>
        <clock-mode>
          clock-mode
        </clock-mode>
      </clocking-mode>
    </serial-information>
  </physical-interface>
</interface-policer-information>
```

**Description****<clocking-rate>****Usage**

```
<serial-information>
  <clocking-rate>
    <clock-rate>
      clock-rate
    </clock-rate>
  </clocking-rate>
</serial-information>
```

**Description****<clocking-rate>****Usage**

```
<physical-interface>
  <serial-information>
    <clocking-rate>
      <clock-rate>
        clock-rate
      </clock-rate>
    </clocking-rate>
  </serial-information>
```

</physical-interface>

#### Description

<clocking-rate>

#### Usage

```
<interface-information>
  <physical-interface>
    <serial-information>
      <clocking-rate>
        <clock-rate>
          clock-rate
        </clock-rate>
      </clocking-rate>
    </serial-information>
  </physical-interface>
</interface-information>
```

#### Description

<clocking-rate>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <serial-information>
      <clocking-rate>
        <clock-rate>
          clock-rate
        </clock-rate>
      </clocking-rate>
    </serial-information>
  </physical-interface>
</interface-filter-information>
```

#### Description

<clocking-rate>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <serial-information>
      <clocking-rate>
        <clock-rate>
          clock-rate
        </clock-rate>
      </clocking-rate>
    </serial-information>
  </physical-interface>
</interface-policer-information>
```

**Description****<controller>****Usage**

```

<controller>
  <name>
    name
  </name>
  <admin-status>
    admin-status
  </admin-status>
  <oper-status>
    oper-status
  </oper-status>
</controller>

```

**Description****<controller>****Usage**

```

<interface-information>
  <controller>
    <name>
      name
    </name>
    <admin-status>
      admin-status
    </admin-status>
    <oper-status>
      oper-status
    </oper-status>
  </controller>
</interface-information>

```

**Description****<cos-information>****Usage**

```

<cos-information>
  <cos-stream-information>....</cos-stream-information>
</cos-information>

```

**Description** Information about class-of-service configuration**<cos-information>****Usage**

```

<physical-interface>
  <cos-information>
    <cos-stream-information>....</cos-stream-information>

```

```
</cos-information>
</physical-interface>
```

**Description** Information about class-of-service configuration

### <cos-information>

#### Usage

```
<interface-information>
  <physical-interface>
    <cos-information>
      <cos-stream-information>....</cos-stream-information>
    </cos-information>
  </physical-interface>
</interface-information>
```

**Description** Information about class-of-service configuration

### <cos-information>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <cos-information>
      <cos-stream-information>....</cos-stream-information>
    </cos-information>
  </physical-interface>
</interface-filter-information>
```

**Description** Information about class-of-service configuration

### <cos-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <cos-information>
      <cos-stream-information>....</cos-stream-information>
    </cos-information>
  </physical-interface>
</interface-policer-information>
```

**Description** Information about class-of-service configuration

### <cos-queue-configuration>

#### Usage

```
<cos-information>
  <cos-stream-information>
```



```

<cos-queue-configuration>
  <cos-queue-number>
    cos-queue-number
  </cos-queue-number>
  <cos-queue-forwarding-class>
    cos-queue-forwarding-class
  </cos-queue-forwarding-class>
  <cos-queue-bandwidth>
    cos-queue-bandwidth
  </cos-queue-bandwidth>
  <cos-queue-bandwidth-remainder>
    cos-queue-bandwidth-remainder
  </cos-queue-bandwidth-remainder>
  <cos-queue-bandwidth-bps>
    cos-queue-bandwidth-bps
  </cos-queue-bandwidth-bps>
  <cos-queue-bandwidth-bps-remainder>
    cos-queue-bandwidth-bps-remainder
  </cos-queue-bandwidth-bps-remainder>
  <cos-queue-buffer>
    cos-queue-buffer
  </cos-queue-buffer>
  <cos-queue-buffer-remainder>
    cos-queue-buffer-remainder
  </cos-queue-buffer-remainder>
  <cos-queue-buffer-bytes>
    cos-queue-buffer-bytes
  </cos-queue-buffer-bytes>
  <cos-queue-priority>
    cos-queue-priority
  </cos-queue-priority>
  <cos-queue-limit>
    cos-queue-limit
  </cos-queue-limit>
</cos-queue-configuration>
</cos-stream-information>
</cos-information>

```

## Description

### <cos-queue-configuration>

#### Usage

```

<physical-interface>
  <cos-information>
    <cos-stream-information>
      <cos-queue-configuration>
        <cos-queue-number>
          cos-queue-number
        </cos-queue-number>
        <cos-queue-forwarding-class>
          cos-queue-forwarding-class
        </cos-queue-forwarding-class>
        <cos-queue-bandwidth>
          cos-queue-bandwidth

```

```

</cos-queue-bandwidth>
<cos-queue-bandwidth-remainder>
  cos-queue-bandwidth-remainder
</cos-queue-bandwidth-remainder>
<cos-queue-bandwidth-bps>
  cos-queue-bandwidth-bps
</cos-queue-bandwidth-bps>
<cos-queue-bandwidth-bps-remainder>
  cos-queue-bandwidth-bps-remainder
</cos-queue-bandwidth-bps-remainder>
<cos-queue-buffer>
  cos-queue-buffer
</cos-queue-buffer>
<cos-queue-buffer-remainder>
  cos-queue-buffer-remainder
</cos-queue-buffer-remainder>
<cos-queue-buffer-bytes>
  cos-queue-buffer-bytes
</cos-queue-buffer-bytes>
<cos-queue-priority>
  cos-queue-priority
</cos-queue-priority>
<cos-queue-limit>
  cos-queue-limit
</cos-queue-limit>
</cos-queue-configuration>
</cos-stream-information>
</cos-information>
</physical-interface>

```

## Description

### <cos-queue-configuration>

#### Usage

```

<interface-information>
<physical-interface>
<cos-information>
<cos-stream-information>
  <cos-queue-configuration>
    <cos-queue-number>
      cos-queue-number
    </cos-queue-number>
    <cos-queue-forwarding-class>
      cos-queue-forwarding-class
    </cos-queue-forwarding-class>
    <cos-queue-bandwidth>
      cos-queue-bandwidth
    </cos-queue-bandwidth>
    <cos-queue-bandwidth-remainder>
      cos-queue-bandwidth-remainder
    </cos-queue-bandwidth-remainder>
    <cos-queue-bandwidth-bps>
      cos-queue-bandwidth-bps
    </cos-queue-bandwidth-bps>
  
```

```

<cos-queue-bandwidth-bps-remainder>
  cos-queue-bandwidth-bps-remainder
</cos-queue-bandwidth-bps-remainder>
<cos-queue-buffer>
  cos-queue-buffer
</cos-queue-buffer>
<cos-queue-buffer-remainder>
  cos-queue-buffer-remainder
</cos-queue-buffer-remainder>
<cos-queue-buffer-bytes>
  cos-queue-buffer-bytes
</cos-queue-buffer-bytes>
<cos-queue-priority>
  cos-queue-priority
</cos-queue-priority>
<cos-queue-limit>
  cos-queue-limit
</cos-queue-limit>
</cos-queue-configuration>
</cos-stream-information>
</cos-information>
</physical-interface>
</interface-information>

```

## Description

### <cos-queue-configuration>

#### Usage

```

<interface-filter-information>
<physical-interface>
<cos-information>
  <cos-stream-information>
    <cos-queue-configuration>
      <cos-queue-number>
        cos-queue-number
      </cos-queue-number>
      <cos-queue-forwarding-class>
        cos-queue-forwarding-class
      </cos-queue-forwarding-class>
      <cos-queue-bandwidth>
        cos-queue-bandwidth
      </cos-queue-bandwidth>
      <cos-queue-bandwidth-remainder>
        cos-queue-bandwidth-remainder
      </cos-queue-bandwidth-remainder>
      <cos-queue-bandwidth-bps>
        cos-queue-bandwidth-bps
      </cos-queue-bandwidth-bps>
      <cos-queue-bandwidth-bps-remainder>
        cos-queue-bandwidth-bps-remainder
      </cos-queue-bandwidth-bps-remainder>
      <cos-queue-buffer>
        cos-queue-buffer
      </cos-queue-buffer>
    </cos-queue-configuration>
  </cos-stream-information>
</cos-information>
</physical-interface>
</interface-filter-information>

```

```
<cos-queue-buffer-remainder>
  cos-queue-buffer-remainder
</cos-queue-buffer-remainder>
<cos-queue-buffer-bytes>
  cos-queue-buffer-bytes
</cos-queue-buffer-bytes>
<cos-queue-priority>
  cos-queue-priority
</cos-queue-priority>
<cos-queue-limit>
  cos-queue-limit
</cos-queue-limit>
</cos-queue-configuration>
</cos-stream-information>
</cos-information>
</physical-interface>
</interface-filter-information>
```

## Description

### <cos-queue-configuration>

#### Usage

```
<interface-policer-information>
<physical-interface>
<cos-information>
  <cos-stream-information>
    <cos-queue-configuration>
      <cos-queue-number>
        cos-queue-number
      </cos-queue-number>
      <cos-queue-forwarding-class>
        cos-queue-forwarding-class
      </cos-queue-forwarding-class>
      <cos-queue-bandwidth>
        cos-queue-bandwidth
      </cos-queue-bandwidth>
      <cos-queue-bandwidth-remainder>
        cos-queue-bandwidth-remainder
      </cos-queue-bandwidth-remainder>
      <cos-queue-bandwidth-bps>
        cos-queue-bandwidth-bps
      </cos-queue-bandwidth-bps>
      <cos-queue-bandwidth-bps-remainder>
        cos-queue-bandwidth-bps-remainder
      </cos-queue-bandwidth-bps-remainder>
      <cos-queue-buffer>
        cos-queue-buffer
      </cos-queue-buffer>
      <cos-queue-buffer-remainder>
        cos-queue-buffer-remainder
      </cos-queue-buffer-remainder>
      <cos-queue-buffer-bytes>
        cos-queue-buffer-bytes
      </cos-queue-buffer-bytes>
```

```

    <cos-queue-priority>
      cos-queue-priority
    </cos-queue-priority>
    <cos-queue-limit>
      cos-queue-limit
    </cos-queue-limit>
  </cos-queue-configuration>
</cos-stream-information>
</cos-information>
</physical-interface>
</interface-policer-information>

```

**Description****<cos-stream-information>****Usage**

```

<cos-information>
  <cos-stream-information>
    <cos-direction>
      cos-direction
    </cos-direction>
    <cos-queue-configuration>....</cos-queue-configuration>
  </cos-stream-information>
</cos-information>

```

**Description** Information about the traffic stream**<cos-stream-information>****Usage**

```

<physical-interface>
  <cos-information>
    <cos-stream-information>
      <cos-direction>
        cos-direction
      </cos-direction>
      <cos-queue-configuration>....</cos-queue-configuration>
    </cos-stream-information>
  </cos-information>
</physical-interface>

```

**Description** Information about the traffic stream**<cos-stream-information>****Usage**

```

<interface-information>
  <physical-interface>
    <cos-information>
      <cos-stream-information>

```

```
<cos-direction>
  cos-direction
</cos-direction>
<cos-queue-configuration>....</cos-queue-configuration>
</cos-stream-information>
</cos-information>
</physical-interface>
</interface-information>
```

**Description** Information about the traffic stream

### <cos-stream-information>

#### Usage

```
<interface-filter-information>
<physical-interface>
<cos-information>
  <cos-stream-information>
    <cos-direction>
      cos-direction
    </cos-direction>
    <cos-queue-configuration>....</cos-queue-configuration>
  </cos-stream-information>
</cos-information>
</physical-interface>
</interface-filter-information>
```

**Description** Information about the traffic stream

### <cos-stream-information>

#### Usage

```
<interface-policer-information>
<physical-interface>
<cos-information>
  <cos-stream-information>
    <cos-direction>
      cos-direction
    </cos-direction>
    <cos-queue-configuration>....</cos-queue-configuration>
  </cos-stream-information>
</cos-information>
</physical-interface>
</interface-policer-information>
```

**Description** Information about the traffic stream

### <crtp>

#### Usage

```
<multilink-traffic-statistics>
```

|        |             |  |
|--------|-------------|--|
|        |             | <pre> &lt;crtp&gt;   &lt;crtp-sessions&gt;....&lt;/crtp-sessions&gt;   &lt;crtp-statistics&gt;....&lt;/crtp-statistics&gt; &lt;/crtp&gt; &lt;/multilink-traffic-statistics&gt; </pre>  |
|        | Description |  |
| <crtp> | Usage       | <pre> &lt;logical-interface&gt;   &lt;multilink-traffic-statistics&gt;     &lt;crtp&gt;       &lt;crtp-sessions&gt;....&lt;/crtp-sessions&gt;       &lt;crtp-statistics&gt;....&lt;/crtp-statistics&gt;     &lt;/crtp&gt;   &lt;/multilink-traffic-statistics&gt; &lt;/logical-interface&gt; </pre>  |
|        | Description |  |
| <crtp> | Usage       | <pre> &lt;physical-interface&gt;   &lt;logical-interface&gt;     &lt;multilink-traffic-statistics&gt;       &lt;crtp&gt;         &lt;crtp-sessions&gt;....&lt;/crtp-sessions&gt;         &lt;crtp-statistics&gt;....&lt;/crtp-statistics&gt;       &lt;/crtp&gt;     &lt;/multilink-traffic-statistics&gt;   &lt;/logical-interface&gt; &lt;/physical-interface&gt; </pre>   |
|        | Description |  |
| <crtp> | Usage       | <pre> &lt;interface-information&gt;   &lt;physical-interface&gt;     &lt;logical-interface&gt;       &lt;multilink-traffic-statistics&gt;         &lt;crtp&gt;           &lt;crtp-sessions&gt;....&lt;/crtp-sessions&gt;           &lt;crtp-statistics&gt;....&lt;/crtp-statistics&gt;         &lt;/crtp&gt;       &lt;/multilink-traffic-statistics&gt;     &lt;/logical-interface&gt;   &lt;/physical-interface&gt; </pre> |

```
</interface-information>
```

#### Description

**<crtp>**

#### Usage

```
<interface-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <crtp>
        <crtp-sessions>....</crtp-sessions>
        <crtp-statistics>....</crtp-statistics>
      </crtp>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-information>
```

#### Description

**<crtp>**

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <crtp>
          <crtp-sessions>....</crtp-sessions>
          <crtp-statistics>....</crtp-statistics>
        </crtp>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

#### Description

**<crtp>**

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <crtp>
        <crtp-sessions>....</crtp-sessions>
        <crtp-statistics>....</crtp-statistics>
      </crtp>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-filter-information>
```



**Description****<crtp>****Usage**

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <crtp>
          <crtp-sessions>....</crtp-sessions>
          <crtp-statistics>....</crtp-statistics>
        </crtp>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

**Description****<crtp>****Usage**

```

<interface-policer-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <crtp>
        <crtp-sessions>....</crtp-sessions>
        <crtp-statistics>....</crtp-statistics>
      </crtp>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-policer-information>

```

**Description****<crtp-sessions>****Usage**

```

<multilink-traffic-statistics>
  <crtp>
    <crtp-sessions>
      <input-frames>
        input-frames
      </input-frames>
      <output-frames>
        output-frames
      </output-frames>
    </crtp-sessions>
  </crtp>
</multilink-traffic-statistics>

```

**Description**

## <crtp-sessions>

### Usage

```
<logical-interface>
<multilink-traffic-statistics>
  <crtp>
    <crtp-sessions>
      <input-frames>
        input-frames
      </input-frames>
      <output-frames>
        output-frames
      </output-frames>
    </crtp-sessions>
  </crtp>
</multilink-traffic-statistics>
</logical-interface>
```

### Description

## <crtp-sessions>

### Usage

```
<physical-interface>
<logical-interface>
<multilink-traffic-statistics>
  <crtp>
    <crtp-sessions>
      <input-frames>
        input-frames
      </input-frames>
      <output-frames>
        output-frames
      </output-frames>
    </crtp-sessions>
  </crtp>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
```

### Description

## <crtp-sessions>

### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
<multilink-traffic-statistics>
  <crtp>
    <crtp-sessions>
      <input-frames>
        input-frames
```

```

    </input-frames>
    <output-frames>
      output-frames
    </output-frames>
  </crtp-sessions>
</crtp>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>

```

### Description

#### <crtp-sessions>

#### Usage

```

<interface-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <crtp>
        <crtp-sessions>
          <input-frames>
            input-frames
          </input-frames>
          <output-frames>
            output-frames
          </output-frames>
        </crtp-sessions>
      </crtp>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-information>

```

### Description

#### <crtp-sessions>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <crtp>
          <crtp-sessions>
            <input-frames>
              input-frames
            </input-frames>
            <output-frames>
              output-frames
            </output-frames>
          </crtp-sessions>
        </crtp>
      </multilink-traffic-statistics>
    </logical-interface>

```

```
</physical-interface>
</interface-filter-information>
```

#### Description

#### <crtp-sessions>

##### Usage

```
<interface-filter-information>
<logical-interface>
  <multilink-traffic-statistics>
    <crtp>
      <crtp-sessions>
        <input-frames>
          input-frames
        </input-frames>
        <output-frames>
          output-frames
        </output-frames>
      </crtp-sessions>
    </crtp>
  </multilink-traffic-statistics>
</logical-interface>
</interface-filter-information>
```

#### Description

#### <crtp-sessions>

##### Usage

```
<interface-policer-information>
<physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <crtp>
        <crtp-sessions>
          <input-frames>
            input-frames
          </input-frames>
          <output-frames>
            output-frames
          </output-frames>
        </crtp-sessions>
      </crtp>
    </multilink-traffic-statistics>
  </logical-interface>
</physical-interface>
</interface-policer-information>
```

#### Description

**<crtp-sessions>****Usage**

```

<interface-policer-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <crtp>
        <crtp-sessions>
          <input-frames>
            input-frames
          </input-frames>
          <output-frames>
            output-frames
          </output-frames>
        </crtp-sessions>
      </crtp>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-policer-information>

```

**Description****<crtp-statistics>****Usage**

```

<multilink-traffic-statistics>
  <crtp>
    <crtp-statistics>
      <name>
        name
      </name>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-frames>
        output-frames
      </output-frames>
      <output-fps>
        output-fps
      </output-fps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps

```

```
</output-bps>
</crtp-statistics>
</crtp>
</multilink-traffic-statistics>
```

#### Description

### <crtp-statistics>

#### Usage

```
<logical-interface>
  <multilink-traffic-statistics>
    <crtp>
      <crtp-statistics>
        <name>
          name
        </name>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
        </output-frames>
        <output-fps>
          output-fps
        </output-fps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </crtp-statistics>
    </crtp>
  </multilink-traffic-statistics>
</logical-interface>
```

#### Description

### <crtp-statistics>

#### Usage

```
<physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
```

```

<crtp>
  <crtp-statistics>
    <name>
      name
    </name>
    <input-frames>
      input-frames
    </input-frames>
    <input-fps>
      input-fps
    </input-fps>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-frames>
      output-frames
    </output-frames>
    <output-fps>
      output-fps
    </output-fps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </crtp-statistics>
</crtp>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>

```

## Description

### <crtp-statistics>

#### Usage

```

<interface-information>
  <physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <crtp>
        <crtp-statistics>
          <name>
            name
          </name>
          <input-frames>
            input-frames
          </input-frames>
          <input-fps>
            input-fps
          </input-fps>

```

```
<input-bytes>
  input-bytes
</input-bytes>
<input-bps>
  input-bps
</input-bps>
<output-frames>
  output-frames
</output-frames>
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</crtp-statistics>
</crtp>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>
```

## Description

### <crtp-statistics>

#### Usage

```
<interface-information>
<logical-interface>
<multilink-traffic-statistics>
<crtp>
  <crtp-statistics>
    <name>
      name
    </name>
    <input-frames>
      input-frames
    </input-frames>
    <input-fps>
      input-fps
    </input-fps>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-frames>
      output-frames
    </output-frames>
    <output-fps>
      output-fps
```



```

        </output-fps>
        <output-bytes>
            output-bytes
        </output-bytes>
        <output-bps>
            output-bps
        </output-bps>
    </crtp-statistics>
</crtp>
</multilink-traffic-statistics>
</logical-interface>
</interface-information>

```

## Description

### <crtp-statistics>

#### Usage

```

<interface-filter-information>
<physical-interface>
<logical-interface>
    <multilink-traffic-statistics>
        <crtp>
            <crtp-statistics>
                <name>
                    name
                </name>
                <input-frames>
                    input-frames
                </input-frames>
                <input-fps>
                    input-fps
                </input-fps>
                <input-bytes>
                    input-bytes
                </input-bytes>
                <input-bps>
                    input-bps
                </input-bps>
                <output-frames>
                    output-frames
                </output-frames>
                <output-fps>
                    output-fps
                </output-fps>
                <output-bytes>
                    output-bytes
                </output-bytes>
                <output-bps>
                    output-bps
                </output-bps>
            </crtp-statistics>
        </crtp>
    </multilink-traffic-statistics>
</logical-interface>

```

```
</physical-interface>
</interface-filter-information>
```

#### Description

#### <crtp-statistics>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <crtp>
        <crtp-statistics>
          <name>
            name
          </name>
          <input-frames>
            input-frames
          </input-frames>
          <input-fps>
            input-fps
          </input-fps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-frames>
            output-frames
          </output-frames>
          <output-fps>
            output-fps
          </output-fps>
          <output-bytes>
            output-bytes
          </output-bytes>
          <output-bps>
            output-bps
          </output-bps>
        </crtp-statistics>
      </crtp>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-filter-information>
```

#### Description

#### <crtp-statistics>

#### Usage

```
<interface-policer-information>
  <physical-interface>
  <logical-interface>
```

```

<multilink-traffic-statistics>
  <crtp>
    <crtp-statistics>
      <name>
        name
      </name>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-frames>
        output-frames
      </output-frames>
      <output-fps>
        output-fps
      </output-fps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
    </crtp-statistics>
  </crtp>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

## Description

### <crtp-statistics>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <crtp>
        <crtp-statistics>
          <name>
            name
          </name>
          <input-frames>
            input-frames
          </input-frames>
          <input-fps>
            input-fps

```

```
</input-fps>
<input-bytes>
  input-bytes
</input-bytes>
<input-bps>
  input-bps
</input-bps>
<output-frames>
  output-frames
</output-frames>
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</crtp-statistics>
</crtp>
</multilink-traffic-statistics>
</logical-interface>
</interface-policer-information>
```

#### Description

**<ct3-information>**

#### Usage

```
<ct3-information>
  <interface-tx-queue>....</interface-tx-queue>
</ct3-information>
```

#### Description

**<ct3-information>**

#### Usage

```
<physical-interface>
  <ct3-information>
    <interface-tx-queue>....</interface-tx-queue>
  </ct3-information>
</physical-interface>
```

#### Description

**<ct3-information>**

#### Usage

```
<interface-information>
  <physical-interface>
    <ct3-information>
```

```

        <interface-tx-queue>....</interface-tx-queue>
    </ct3-information>
</physical-interface>
</interface-information>

```

**Description****<ct3-information>****Usage**

```

<interface-filter-information>
  <physical-interface>
    <ct3-information>
      <interface-tx-queue>....</interface-tx-queue>
    </ct3-information>
  </physical-interface>
</interface-filter-information>

```

**Description****<ct3-information>****Usage**

```

<interface-policer-information>
  <physical-interface>
    <ct3-information>
      <interface-tx-queue>....</interface-tx-queue>
    </ct3-information>
  </physical-interface>
</interface-policer-information>

```

**Description****<data-signal>****Usage**

```

<serial-information>
  <data-signal>
    <rx-clock>
      rx-clock
    </rx-clock>
  </data-signal>
</serial-information>

```

**Description****<data-signal>****Usage**

```

<physical-interface>
  <serial-information>
    <data-signal>

```

```
<rx-clock>
  rx-clock
</rx-clock>
</data-signal>
</serial-information>
</physical-interface>
```

#### Description

**<data-signal>**

#### Usage

```
<interface-information>
  <physical-interface>
    <serial-information>
      <data-signal>
        <rx-clock>
          rx-clock
        </rx-clock>
      </data-signal>
    </serial-information>
  </physical-interface>
</interface-information>
```

#### Description

**<data-signal>**

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <serial-information>
      <data-signal>
        <rx-clock>
          rx-clock
        </rx-clock>
      </data-signal>
    </serial-information>
  </physical-interface>
</interface-filter-information>
```

#### Description

**<data-signal>**

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <serial-information>
      <data-signal>
        <rx-clock>
          rx-clock
        </rx-clock>
```

```

    </data-signal>
  </serial-information>
</physical-interface>
</interface-policer-information>

```

**Description****<demux-information>****Usage**

```

<logical-interface>
  <demux-information>
    <demux-interface>....</demux-interface>
  </demux-information>
</logical-interface>

```

**Description** Demux information**<demux-information>****Usage**

```

<physical-interface>
  <logical-interface>
    <demux-information>
      <demux-interface>....</demux-interface>
    </demux-information>
  </logical-interface>
</physical-interface>

```

**Description** Demux information**<demux-information>****Usage**

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <demux-information>
        <demux-interface>....</demux-interface>
      </demux-information>
    </logical-interface>
  </physical-interface>
</interface-information>

```

**Description** Demux information**<demux-information>****Usage**

```

<interface-information>

```

```
<logical-interface>
  <demux-information>
    <demux-interface>....</demux-interface>
  </demux-information>
</logical-interface>
</interface-information>
```

**Description** Demux information

### <demux-information>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <demux-information>
        <demux-interface>....</demux-interface>
      </demux-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description** Demux information

### <demux-information>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <demux-information>
      <demux-interface>....</demux-interface>
    </demux-information>
  </logical-interface>
</interface-filter-information>
```

**Description** Demux information

### <demux-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <demux-information>
        <demux-interface>....</demux-interface>
      </demux-information>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```



**Description** Demux information

### <demux-information>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <demux-information>
      <demux-interface>....</demux-interface>
    </demux-information>
  </logical-interface>
</interface-policer-information>
```

**Description** Demux information

### <demux-interface>

#### Usage

```
<logical-interface>
  <demux-interface>
    <demux-underlying-interface-name>
      demux-underlying-interface-name
    </demux-underlying-interface-name>
    <demux-underlying-interface-index>
      demux-underlying-interface-index
    </demux-underlying-interface-index>
    <demux-inet-prefix-type>
      demux-inet-prefix-type
    </demux-inet-prefix-type>
    <demux-inet-prefix-count>
      demux-inet-prefix-count
    </demux-inet-prefix-count>
    <demux-inet-prefix>
      demux-inet-prefix
    </demux-inet-prefix>
    <demux-inet6-prefix-type>
      demux-inet6-prefix-type
    </demux-inet6-prefix-type>
    <demux-inet6-prefix-count>
      demux-inet6-prefix-count
    </demux-inet6-prefix-count>
    <demux-inet6-prefix>
      demux-inet6-prefix
    </demux-inet6-prefix>
  </demux-interface>
</logical-interface>
```

**Description**

### <demux-interface>

#### Usage

```
<logical-interface>
```

```
<demux-information>
  <demux-interface>
    <demux-underlying-interface-name>
      demux-underlying-interface-name
    </demux-underlying-interface-name>
    <demux-underlying-interface-index>
      demux-underlying-interface-index
    </demux-underlying-interface-index>
    <demux-inet-prefix-type>
      demux-inet-prefix-type
    </demux-inet-prefix-type>
    <demux-inet-prefix-count>
      demux-inet-prefix-count
    </demux-inet-prefix-count>
    <demux-inet-prefix>
      demux-inet-prefix
    </demux-inet-prefix>
    <demux-inet6-prefix-type>
      demux-inet6-prefix-type
    </demux-inet6-prefix-type>
    <demux-inet6-prefix-count>
      demux-inet6-prefix-count
    </demux-inet6-prefix-count>
    <demux-inet6-prefix>
      demux-inet6-prefix
    </demux-inet6-prefix>
  </demux-interface>
</demux-information>
</logical-interface>
```

## Description

### <demux-interface>

#### Usage

```
<physical-interface>
<logical-interface>
  <demux-interface>
    <demux-underlying-interface-name>
      demux-underlying-interface-name
    </demux-underlying-interface-name>
    <demux-underlying-interface-index>
      demux-underlying-interface-index
    </demux-underlying-interface-index>
    <demux-inet-prefix-type>
      demux-inet-prefix-type
    </demux-inet-prefix-type>
    <demux-inet-prefix-count>
      demux-inet-prefix-count
    </demux-inet-prefix-count>
    <demux-inet-prefix>
      demux-inet-prefix
    </demux-inet-prefix>
    <demux-inet6-prefix-type>
      demux-inet6-prefix-type
```

```

</demux-inet6-prefix-type>
<demux-inet6-prefix-count>
  demux-inet6-prefix-count
</demux-inet6-prefix-count>
<demux-inet6-prefix>
  demux-inet6-prefix
</demux-inet6-prefix>
</demux-interface>
</logical-interface>
</physical-interface>

```

## Description

### <demux-interface>

#### Usage

```

<physical-interface>
<logical-interface>
<demux-information>
  <demux-interface>
    <demux-underlying-interface-name>
      demux-underlying-interface-name
    </demux-underlying-interface-name>
    <demux-underlying-interface-index>
      demux-underlying-interface-index
    </demux-underlying-interface-index>
    <demux-inet-prefix-type>
      demux-inet-prefix-type
    </demux-inet-prefix-type>
    <demux-inet-prefix-count>
      demux-inet-prefix-count
    </demux-inet-prefix-count>
    <demux-inet-prefix>
      demux-inet-prefix
    </demux-inet-prefix>
    <demux-inet6-prefix-type>
      demux-inet6-prefix-type
    </demux-inet6-prefix-type>
    <demux-inet6-prefix-count>
      demux-inet6-prefix-count
    </demux-inet6-prefix-count>
    <demux-inet6-prefix>
      demux-inet6-prefix
    </demux-inet6-prefix>
  </demux-interface>
</demux-information>
</logical-interface>
</physical-interface>

```

## Description

## <demux-interface>

### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <demux-interface>
        <demux-underlying-interface-name>
          demux-underlying-interface-name
        </demux-underlying-interface-name>
        <demux-underlying-interface-index>
          demux-underlying-interface-index
        </demux-underlying-interface-index>
        <demux-inet-prefix-type>
          demux-inet-prefix-type
        </demux-inet-prefix-type>
        <demux-inet-prefix-count>
          demux-inet-prefix-count
        </demux-inet-prefix-count>
        <demux-inet-prefix>
          demux-inet-prefix
        </demux-inet-prefix>
        <demux-inet6-prefix-type>
          demux-inet6-prefix-type
        </demux-inet6-prefix-type>
        <demux-inet6-prefix-count>
          demux-inet6-prefix-count
        </demux-inet6-prefix-count>
        <demux-inet6-prefix>
          demux-inet6-prefix
        </demux-inet6-prefix>
      </demux-interface>
    </logical-interface>
  </physical-interface>
</interface-information>
```

### Description

## <demux-interface>

### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <demux-information>
        <demux-interface>
          <demux-underlying-interface-name>
            demux-underlying-interface-name
          </demux-underlying-interface-name>
          <demux-underlying-interface-index>
            demux-underlying-interface-index
          </demux-underlying-interface-index>
          <demux-inet-prefix-type>
            demux-inet-prefix-type
```

```

</demux-inet-prefix-type>
<demux-inet-prefix-count>
  demux-inet-prefix-count
</demux-inet-prefix-count>
<demux-inet-prefix>
  demux-inet-prefix
</demux-inet-prefix>
<demux-inet6-prefix-type>
  demux-inet6-prefix-type
</demux-inet6-prefix-type>
<demux-inet6-prefix-count>
  demux-inet6-prefix-count
</demux-inet6-prefix-count>
<demux-inet6-prefix>
  demux-inet6-prefix
</demux-inet6-prefix>
</demux-interface>
</demux-information>
</logical-interface>
</physical-interface>
</interface-information>

```

## Description

### <demux-interface>

#### Usage

```

<interface-information>
  <logical-interface>
    <demux-interface>
      <demux-underlying-interface-name>
        demux-underlying-interface-name
      </demux-underlying-interface-name>
      <demux-underlying-interface-index>
        demux-underlying-interface-index
      </demux-underlying-interface-index>
      <demux-inet-prefix-type>
        demux-inet-prefix-type
      </demux-inet-prefix-type>
      <demux-inet-prefix-count>
        demux-inet-prefix-count
      </demux-inet-prefix-count>
      <demux-inet-prefix>
        demux-inet-prefix
      </demux-inet-prefix>
      <demux-inet6-prefix-type>
        demux-inet6-prefix-type
      </demux-inet6-prefix-type>
      <demux-inet6-prefix-count>
        demux-inet6-prefix-count
      </demux-inet6-prefix-count>
      <demux-inet6-prefix>
        demux-inet6-prefix
      </demux-inet6-prefix>
    </demux-interface>
  </logical-interface>
</interface-information>

```

```
</logical-interface>
</interface-information>
```

#### Description

### <demux-interface>

#### Usage

```
<interface-information>
<logical-interface>
  <demux-information>
    <demux-interface>
      <demux-underlying-interface-name>
        demux-underlying-interface-name
      </demux-underlying-interface-name>
      <demux-underlying-interface-index>
        demux-underlying-interface-index
      </demux-underlying-interface-index>
      <demux-inet-prefix-type>
        demux-inet-prefix-type
      </demux-inet-prefix-type>
      <demux-inet-prefix-count>
        demux-inet-prefix-count
      </demux-inet-prefix-count>
      <demux-inet-prefix>
        demux-inet-prefix
      </demux-inet-prefix>
      <demux-inet6-prefix-type>
        demux-inet6-prefix-type
      </demux-inet6-prefix-type>
      <demux-inet6-prefix-count>
        demux-inet6-prefix-count
      </demux-inet6-prefix-count>
      <demux-inet6-prefix>
        demux-inet6-prefix
      </demux-inet6-prefix>
    </demux-interface>
  </demux-information>
</logical-interface>
</interface-information>
```

#### Description

### <demux-interface>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <logical-interface>
    <demux-interface>
      <demux-underlying-interface-name>
        demux-underlying-interface-name
      </demux-underlying-interface-name>
      <demux-underlying-interface-index>
```

```

    demux-underlying-interface-index
  </demux-underlying-interface-index>
  <demux-inet-prefix-type>
    demux-inet-prefix-type
  </demux-inet-prefix-type>
  <demux-inet-prefix-count>
    demux-inet-prefix-count
  </demux-inet-prefix-count>
  <demux-inet-prefix>
    demux-inet-prefix
  </demux-inet-prefix>
  <demux-inet6-prefix-type>
    demux-inet6-prefix-type
  </demux-inet6-prefix-type>
  <demux-inet6-prefix-count>
    demux-inet6-prefix-count
  </demux-inet6-prefix-count>
  <demux-inet6-prefix>
    demux-inet6-prefix
  </demux-inet6-prefix>
</demux-interface>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

## Description

### <demux-interface>

#### Usage

```

<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <demux-information>
      <demux-interface>
        <demux-underlying-interface-name>
          demux-underlying-interface-name
        </demux-underlying-interface-name>
        <demux-underlying-interface-index>
          demux-underlying-interface-index
        </demux-underlying-interface-index>
        <demux-inet-prefix-type>
          demux-inet-prefix-type
        </demux-inet-prefix-type>
        <demux-inet-prefix-count>
          demux-inet-prefix-count
        </demux-inet-prefix-count>
        <demux-inet-prefix>
          demux-inet-prefix
        </demux-inet-prefix>
        <demux-inet6-prefix-type>
          demux-inet6-prefix-type
        </demux-inet6-prefix-type>
        <demux-inet6-prefix-count>
          demux-inet6-prefix-count

```

```
</demux-inet6-prefix-count>
<demux-inet6-prefix>
  demux-inet6-prefix
</demux-inet6-prefix>
</demux-interface>
</demux-information>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

## Description

### <demux-interface>

#### Usage

```
<interface-filter-information>
<logical-interface>
  <demux-interface>
    <demux-underlying-interface-name>
      demux-underlying-interface-name
    </demux-underlying-interface-name>
    <demux-underlying-interface-index>
      demux-underlying-interface-index
    </demux-underlying-interface-index>
    <demux-inet-prefix-type>
      demux-inet-prefix-type
    </demux-inet-prefix-type>
    <demux-inet-prefix-count>
      demux-inet-prefix-count
    </demux-inet-prefix-count>
    <demux-inet-prefix>
      demux-inet-prefix
    </demux-inet-prefix>
    <demux-inet6-prefix-type>
      demux-inet6-prefix-type
    </demux-inet6-prefix-type>
    <demux-inet6-prefix-count>
      demux-inet6-prefix-count
    </demux-inet6-prefix-count>
    <demux-inet6-prefix>
      demux-inet6-prefix
    </demux-inet6-prefix>
  </demux-interface>
</logical-interface>
</interface-filter-information>
```

## Description

### <demux-interface>

#### Usage

```
<interface-filter-information>
<logical-interface>
  <demux-information>
```



```

<demux-interface>
  <demux-underlying-interface-name>
    demux-underlying-interface-name
  </demux-underlying-interface-name>
  <demux-underlying-interface-index>
    demux-underlying-interface-index
  </demux-underlying-interface-index>
  <demux-inet-prefix-type>
    demux-inet-prefix-type
  </demux-inet-prefix-type>
  <demux-inet-prefix-count>
    demux-inet-prefix-count
  </demux-inet-prefix-count>
  <demux-inet-prefix>
    demux-inet-prefix
  </demux-inet-prefix>
  <demux-inet6-prefix-type>
    demux-inet6-prefix-type
  </demux-inet6-prefix-type>
  <demux-inet6-prefix-count>
    demux-inet6-prefix-count
  </demux-inet6-prefix-count>
  <demux-inet6-prefix>
    demux-inet6-prefix
  </demux-inet6-prefix>
</demux-interface>
</demux-information>
</logical-interface>
</interface-filter-information>

```

## Description

### <demux-interface>

#### Usage

```

<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <demux-interface>
      <demux-underlying-interface-name>
        demux-underlying-interface-name
      </demux-underlying-interface-name>
      <demux-underlying-interface-index>
        demux-underlying-interface-index
      </demux-underlying-interface-index>
      <demux-inet-prefix-type>
        demux-inet-prefix-type
      </demux-inet-prefix-type>
      <demux-inet-prefix-count>
        demux-inet-prefix-count
      </demux-inet-prefix-count>
      <demux-inet-prefix>
        demux-inet-prefix
      </demux-inet-prefix>
      <demux-inet6-prefix-type>

```

```
    demux-inet6-prefix-type
  </demux-inet6-prefix-type>
  <demux-inet6-prefix-count>
    demux-inet6-prefix-count
  </demux-inet6-prefix-count>
  <demux-inet6-prefix>
    demux-inet6-prefix
  </demux-inet6-prefix>
</demux-interface>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

## Description

### <demux-interface>

#### Usage

```
<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <demux-information>
      <demux-interface>
        <demux-underlying-interface-name>
          demux-underlying-interface-name
        </demux-underlying-interface-name>
        <demux-underlying-interface-index>
          demux-underlying-interface-index
        </demux-underlying-interface-index>
        <demux-inet-prefix-type>
          demux-inet-prefix-type
        </demux-inet-prefix-type>
        <demux-inet-prefix-count>
          demux-inet-prefix-count
        </demux-inet-prefix-count>
        <demux-inet-prefix>
          demux-inet-prefix
        </demux-inet-prefix>
        <demux-inet6-prefix-type>
          demux-inet6-prefix-type
        </demux-inet6-prefix-type>
        <demux-inet6-prefix-count>
          demux-inet6-prefix-count
        </demux-inet6-prefix-count>
        <demux-inet6-prefix>
          demux-inet6-prefix
        </demux-inet6-prefix>
      </demux-interface>
    </demux-information>
  </logical-interface>
</physical-interface>
</interface-policer-information>
```

## Description

**<demux-interface>****Usage**

```

<interface-policer-information>
  <logical-interface>
    <demux-interface>
      <demux-underlying-interface-name>
        demux-underlying-interface-name
      </demux-underlying-interface-name>
      <demux-underlying-interface-index>
        demux-underlying-interface-index
      </demux-underlying-interface-index>
      <demux-inet-prefix-type>
        demux-inet-prefix-type
      </demux-inet-prefix-type>
      <demux-inet-prefix-count>
        demux-inet-prefix-count
      </demux-inet-prefix-count>
      <demux-inet-prefix>
        demux-inet-prefix
      </demux-inet-prefix>
      <demux-inet6-prefix-type>
        demux-inet6-prefix-type
      </demux-inet6-prefix-type>
      <demux-inet6-prefix-count>
        demux-inet6-prefix-count
      </demux-inet6-prefix-count>
      <demux-inet6-prefix>
        demux-inet6-prefix
      </demux-inet6-prefix>
    </demux-interface>
  </logical-interface>
</interface-policer-information>

```

**Description****<demux-interface>****Usage**

```

<interface-policer-information>
  <logical-interface>
    <demux-information>
      <demux-interface>
        <demux-underlying-interface-name>
          demux-underlying-interface-name
        </demux-underlying-interface-name>
        <demux-underlying-interface-index>
          demux-underlying-interface-index
        </demux-underlying-interface-index>
        <demux-inet-prefix-type>
          demux-inet-prefix-type
        </demux-inet-prefix-type>
        <demux-inet-prefix-count>
          demux-inet-prefix-count

```

```
</demux-inet-prefix-count>
<demux-inet-prefix>
  demux-inet-prefix
</demux-inet-prefix>
<demux-inet6-prefix-type>
  demux-inet6-prefix-type
</demux-inet6-prefix-type>
<demux-inet6-prefix-count>
  demux-inet6-prefix-count
</demux-inet6-prefix-count>
<demux-inet6-prefix>
  demux-inet6-prefix
</demux-inet6-prefix>
</demux-interface>
</demux-information>
</logical-interface>
</interface-policer-information>
```

#### Description

### <destination-class>

#### Usage

```
<destination-class-statistics>
  <destination-class>
    <dcu-class-name>
      dcu-class-name
    </dcu-class-name>
    <dcu-class-packets>
      dcu-class-packets
    </dcu-class-packets>
    <dcu-class-bytes>
      dcu-class-bytes
    </dcu-class-bytes>
    <dcu-class-pps>
      dcu-class-pps
    </dcu-class-pps>
    <dcu-class-bps>
      dcu-class-bps
    </dcu-class-bps>
  </destination-class>
</destination-class-statistics>
```

**Description** DCU statistics for a single class

### <destination-class>

#### Usage

```
<address-family>
  <destination-class-statistics>
    <destination-class>
      <dcu-class-name>
        dcu-class-name
```

```

    </dcu-class-name>
    <dcu-class-packets>
      dcu-class-packets
    </dcu-class-packets>
    <dcu-class-bytes>
      dcu-class-bytes
    </dcu-class-bytes>
    <dcu-class-pps>
      dcu-class-pps
    </dcu-class-pps>
    <dcu-class-bps>
      dcu-class-bps
    </dcu-class-bps>
  </destination-class>
</destination-class-statistics>
</address-family>

```

**Description** DCU statistics for a single class

## <destination-class>

### Usage

```

<logical-interface>
  <address-family>
    <destination-class-statistics>
      <destination-class>
        <dcu-class-name>
          dcu-class-name
        </dcu-class-name>
        <dcu-class-packets>
          dcu-class-packets
        </dcu-class-packets>
        <dcu-class-bytes>
          dcu-class-bytes
        </dcu-class-bytes>
        <dcu-class-pps>
          dcu-class-pps
        </dcu-class-pps>
        <dcu-class-bps>
          dcu-class-bps
        </dcu-class-bps>
      </destination-class>
    </destination-class-statistics>
  </address-family>
</logical-interface>

```

**Description** DCU statistics for a single class

## <destination-class>

### Usage

```

<physical-interface>

```

```
<logical-interface>
  <address-family>
    <destination-class-statistics>
      <destination-class>
        <dcu-class-name>
          dcu-class-name
        </dcu-class-name>
        <dcu-class-packets>
          dcu-class-packets
        </dcu-class-packets>
        <dcu-class-bytes>
          dcu-class-bytes
        </dcu-class-bytes>
        <dcu-class-pps>
          dcu-class-pps
        </dcu-class-pps>
        <dcu-class-bps>
          dcu-class-bps
        </dcu-class-bps>
      </destination-class>
    </destination-class-statistics>
  </address-family>
</logical-interface>
</physical-interface>
```

**Description** DCU statistics for a single class

## <destination-class>

### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <address-family>
        <destination-class-statistics>
          <destination-class>
            <dcu-class-name>
              dcu-class-name
            </dcu-class-name>
            <dcu-class-packets>
              dcu-class-packets
            </dcu-class-packets>
            <dcu-class-bytes>
              dcu-class-bytes
            </dcu-class-bytes>
            <dcu-class-pps>
              dcu-class-pps
            </dcu-class-pps>
            <dcu-class-bps>
              dcu-class-bps
            </dcu-class-bps>
          </destination-class>
        </destination-class-statistics>
      </address-family>
```

```

    </logical-interface>
  </physical-interface>
</interface-information>

```

**Description** DCU statistics for a single class

### <destination-class>

#### Usage

```

<interface-information>
  <logical-interface>
    <address-family>
      <destination-class-statistics>
        <destination-class>
          <dcu-class-name>
            dcu-class-name
          </dcu-class-name>
          <dcu-class-packets>
            dcu-class-packets
          </dcu-class-packets>
          <dcu-class-bytes>
            dcu-class-bytes
          </dcu-class-bytes>
          <dcu-class-pps>
            dcu-class-pps
          </dcu-class-pps>
          <dcu-class-bps>
            dcu-class-bps
          </dcu-class-bps>
        </destination-class>
      </destination-class-statistics>
    </address-family>
  </logical-interface>
</interface-information>

```

**Description** DCU statistics for a single class

### <destination-class>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <address-family>
        <destination-class-statistics>
          <destination-class>
            <dcu-class-name>
              dcu-class-name
            </dcu-class-name>
            <dcu-class-packets>
              dcu-class-packets
            </dcu-class-packets>
          </destination-class>
        </destination-class-statistics>
      </address-family>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

```
<dcu-class-bytes>
  dcu-class-bytes
</dcu-class-bytes>
<dcu-class-pps>
  dcu-class-pps
</dcu-class-pps>
<dcu-class-bps>
  dcu-class-bps
</dcu-class-bps>
</destination-class>
</destination-class-statistics>
</address-family>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

**Description** DCU statistics for a single class

### <destination-class>

#### Usage

```
<interface-filter-information>
<logical-interface>
<address-family>
<destination-class-statistics>
  <destination-class>
    <dcu-class-name>
      dcu-class-name
    </dcu-class-name>
    <dcu-class-packets>
      dcu-class-packets
    </dcu-class-packets>
    <dcu-class-bytes>
      dcu-class-bytes
    </dcu-class-bytes>
    <dcu-class-pps>
      dcu-class-pps
    </dcu-class-pps>
    <dcu-class-bps>
      dcu-class-bps
    </dcu-class-bps>
  </destination-class>
</destination-class-statistics>
</address-family>
</logical-interface>
</interface-filter-information>
```

**Description** DCU statistics for a single class



**<destination-class>****Usage**

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <address-family>
        <destination-class-statistics>
          <destination-class>
            <dcu-class-name>
              dcu-class-name
            </dcu-class-name>
            <dcu-class-packets>
              dcu-class-packets
            </dcu-class-packets>
            <dcu-class-bytes>
              dcu-class-bytes
            </dcu-class-bytes>
            <dcu-class-pps>
              dcu-class-pps
            </dcu-class-pps>
            <dcu-class-bps>
              dcu-class-bps
            </dcu-class-bps>
          </destination-class>
        </destination-class-statistics>
      </address-family>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

**Description** DCU statistics for a single class

**<destination-class>****Usage**

```

<interface-policer-information>
  <logical-interface>
    <address-family>
      <destination-class-statistics>
        <destination-class>
          <dcu-class-name>
            dcu-class-name
          </dcu-class-name>
          <dcu-class-packets>
            dcu-class-packets
          </dcu-class-packets>
          <dcu-class-bytes>
            dcu-class-bytes
          </dcu-class-bytes>
          <dcu-class-pps>
            dcu-class-pps
          </dcu-class-pps>
        </destination-class>
      </destination-class-statistics>
    </address-family>
  </logical-interface>
</interface-policer-information>

```

```
<dcu-class-bps>
  dcu-class-bps
</dcu-class-bps>
</destination-class>
</destination-class-statistics>
</address-family>
</logical-interface>
</interface-policer-information>
```

**Description** DCU statistics for a single class

### <destination-class-statistics>

#### Usage

```
<destination-class-statistics>
  <destination-class>....</destination-class>
</destination-class-statistics>
```

**Description** Destination class usage (DCU) statistics

### <destination-class-statistics>

#### Usage

```
<address-family>
  <destination-class-statistics>
    <destination-class>....</destination-class>
  </destination-class-statistics>
</address-family>
```

**Description** Destination class usage (DCU) statistics

### <destination-class-statistics>

#### Usage

```
<logical-interface>
  <address-family>
    <destination-class-statistics>
      <destination-class>....</destination-class>
    </destination-class-statistics>
  </address-family>
</logical-interface>
```

**Description** Destination class usage (DCU) statistics

### <destination-class-statistics>

#### Usage

```
<physical-interface>
  <logical-interface>
```

```

    <address-family>
      <destination-class-statistics>
        <destination-class>....</destination-class>
      </destination-class-statistics>
    </address-family>
  </logical-interface>
</physical-interface>

```

**Description** Destination class usage (DCU) statistics

### <destination-class-statistics>

#### Usage

```

    <interface-information>
      <physical-interface>
        <logical-interface>
          <address-family>
            <destination-class-statistics>
              <destination-class>....</destination-class>
            </destination-class-statistics>
          </address-family>
        </logical-interface>
      </physical-interface>
    </interface-information>

```

**Description** Destination class usage (DCU) statistics

### <destination-class-statistics>

#### Usage

```

    <interface-information>
      <logical-interface>
        <address-family>
          <destination-class-statistics>
            <destination-class>....</destination-class>
          </destination-class-statistics>
        </address-family>
      </logical-interface>
    </interface-information>

```

**Description** Destination class usage (DCU) statistics

### <destination-class-statistics>

#### Usage

```

    <interface-filter-information>
      <physical-interface>
        <logical-interface>
          <address-family>
            <destination-class-statistics>
              <destination-class>....</destination-class>
            </destination-class-statistics>
          </address-family>
        </logical-interface>
      </physical-interface>
    </interface-filter-information>

```

```

        </destination-class-statistics>
      </address-family>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

**Description** Destination class usage (DCU) statistics

### <destination-class-statistics>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <address-family>
      <destination-class-statistics>
        <destination-class>....</destination-class>
      </destination-class-statistics>
    </address-family>
  </logical-interface>
</interface-filter-information>

```

**Description** Destination class usage (DCU) statistics

### <destination-class-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <address-family>
        <destination-class-statistics>
          <destination-class>....</destination-class>
        </destination-class-statistics>
      </address-family>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

**Description** Destination class usage (DCU) statistics

### <destination-class-statistics>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <address-family>
      <destination-class-statistics>
        <destination-class>....</destination-class>
      </destination-class-statistics>
    </address-family>
  </logical-interface>

```

</interface-policer-information>

**Description** Destination class usage (DCU) statistics

<dial-string-list>

**Usage**

```
<dial-string-list>
  <dial-string>
    dial-string
  </dial-string>
</dial-string-list>
```

**Description**

<dial-string-list>

**Usage**

```
<dialer-interface>
  <dial-string-list>
    <dial-string>
      dial-string
    </dial-string>
  </dial-string-list>
</dialer-interface>
```

**Description**

<dial-string-list>

**Usage**

```
<dialer-interface-information>
  <dialer-interface>
    <dial-string-list>
      <dial-string>
        dial-string
      </dial-string>
    </dial-string-list>
  </dialer-interface>
</dialer-interface-information>
```

**Description**

<dial-string-list>

**Usage**

```
<logical-interface>
  <dialer-information>
    <dialer-interface>
      <dial-string-list>
        <dial-string>
```

```
    dial-string
  </dial-string>
</dial-string-list>
</dialer-interface>
</dialer-information>
</logical-interface>
```

#### Description

### <dial-string-list>

#### Usage

```
<physical-interface>
<logical-interface>
  <dialer-information>
    <dialer-interface>
      <dial-string-list>
        <dial-string>
          dial-string
        </dial-string>
      </dial-string-list>
    </dialer-interface>
  </dialer-information>
</logical-interface>
</physical-interface>
```

#### Description

### <dial-string-list>

#### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
  <dialer-information>
    <dialer-interface>
      <dial-string-list>
        <dial-string>
          dial-string
        </dial-string>
      </dial-string-list>
    </dialer-interface>
  </dialer-information>
</logical-interface>
</physical-interface>
</interface-information>
```

#### Description

### <dial-string-list>

#### Usage

```
<interface-information>
```

```

<logical-interface>
  <dialer-information>
    <dialer-interface>
      <dial-string-list>
        <dial-string>
          dial-string
        </dial-string>
      </dial-string-list>
    </dialer-interface>
  </dialer-information>
</logical-interface>
</interface-information>

```

#### Description

#### <dial-string-list>

##### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <dialer-information>
        <dialer-interface>
          <dial-string-list>
            <dial-string>
              dial-string
            </dial-string>
          </dial-string-list>
        </dialer-interface>
      </dialer-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

#### Description

#### <dial-string-list>

##### Usage

```

<interface-filter-information>
  <logical-interface>
    <dialer-information>
      <dialer-interface>
        <dial-string-list>
          <dial-string>
            dial-string
          </dial-string>
        </dial-string-list>
      </dialer-interface>
    </dialer-information>
  </logical-interface>
</interface-filter-information>

```

**Description****<dial-string-list>****Usage**

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <dialer-information>
        <dialer-interface>
          <dial-string-list>
            <dial-string>
              dial-string
            </dial-string>
          </dial-string-list>
        </dialer-interface>
      </dialer-information>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```

**Description****<dial-string-list>****Usage**

```
<interface-policer-information>
  <logical-interface>
    <dialer-information>
      <dialer-interface>
        <dial-string-list>
          <dial-string>
            dial-string
          </dial-string>
        </dial-string-list>
      </dialer-interface>
    </dialer-information>
  </logical-interface>
</interface-policer-information>
```

**Description****<dialer-information>****Usage**

```
<logical-interface>
  <dialer-information>
    <dialer-interface>....</dialer-interface>
    <dialer-time-to-disconnect>
      dialer-time-to-disconnect
    </dialer-time-to-disconnect>
  </dialer-information>
</logical-interface>
```



**Description** Dialer information

### <dialer-information>

#### Usage

```
<physical-interface>
<logical-interface>
  <dialer-information>
    <dialer-interface>....</dialer-interface>
    <dialer-time-to-disconnect>
      dialer-time-to-disconnect
    </dialer-time-to-disconnect>
  </dialer-information>
</logical-interface>
</physical-interface>
```

**Description** Dialer information

### <dialer-information>

#### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
  <dialer-information>
    <dialer-interface>....</dialer-interface>
    <dialer-time-to-disconnect>
      dialer-time-to-disconnect
    </dialer-time-to-disconnect>
  </dialer-information>
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** Dialer information

### <dialer-information>

#### Usage

```
<interface-information>
<logical-interface>
  <dialer-information>
    <dialer-interface>....</dialer-interface>
    <dialer-time-to-disconnect>
      dialer-time-to-disconnect
    </dialer-time-to-disconnect>
  </dialer-information>
</logical-interface>
</interface-information>
```

**Description**   Dialer information

### <dialer-information>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <dialer-information>
        <dialer-interface>....</dialer-interface>
        <dialer-time-to-disconnect>
          dialer-time-to-disconnect
        </dialer-time-to-disconnect>
      </dialer-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description**   Dialer information

### <dialer-information>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <dialer-information>
      <dialer-interface>....</dialer-interface>
      <dialer-time-to-disconnect>
        dialer-time-to-disconnect
      </dialer-time-to-disconnect>
    </dialer-information>
  </logical-interface>
</interface-filter-information>
```

**Description**   Dialer information

### <dialer-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <dialer-information>
        <dialer-interface>....</dialer-interface>
        <dialer-time-to-disconnect>
          dialer-time-to-disconnect
        </dialer-time-to-disconnect>
      </dialer-information>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```

**Description** Dialer information

### <dialer-information>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <dialer-information>
      <dialer-interface>....</dialer-interface>
      <dialer-time-to-disconnect>
        dialer-time-to-disconnect
      </dialer-time-to-disconnect>
    </dialer-information>
  </logical-interface>
</interface-policer-information>
```

**Description** Dialer information

### <dialer-interface>

#### Usage

```
<dialer-interface>
  <dialer-interface-name>
    dialer-interface-name
  </dialer-interface-name>
  <dialer-interface-state>
    dialer-interface-state
  </dialer-interface-state>
  <dialer-interface-flags>....</dialer-interface-flags>
  <pool-id>
    pool-id
  </pool-id>
  <primary-interface>
    primary-interface
  </primary-interface>
  <dial-string-list>....</dial-string-list>
  <sub-interface-list>....</sub-interface-list>
  <watch-list>....</watch-list>
  <activation-delay>
    activation-delay
  </activation-delay>
  <deactivation-delay>
    deactivation-delay
  </deactivation-delay>
  <activation-delay-elapsed>
    activation-delay-elapsed
  </activation-delay-elapsed>
  <deactivation-delay-elapsed>
    deactivation-delay-elapsed
  </deactivation-delay-elapsed>
  <call-idle-timeout>
    call-idle-timeout
  </call-idle-timeout>
```

```
<initial-route-check>
  initial-route-check
</initial-route-check>
<redial-delay>
  redial-delay
</redial-delay>
<callback-wait-period>
  callback-wait-period
</callback-wait-period>
<callback-wait-period-elapsed>
  callback-wait-period-elapsed
</callback-wait-period-elapsed>
<load-threshold>
  load-threshold
</load-threshold>
<load-interval>
  load-interval
</load-interval>
</dialer-interface>
```

## Description

### <dialer-interface>

#### Usage

```
<dialer-interface-information>
<dialer-interface>
  <dialer-interface-name>
    dialer-interface-name
  </dialer-interface-name>
  <dialer-interface-state>
    dialer-interface-state
  </dialer-interface-state>
  <dialer-interface-flags>....</dialer-interface-flags>
  <pool-id>
    pool-id
  </pool-id>
  <primary-interface>
    primary-interface
  </primary-interface>
  <dial-string-list>....</dial-string-list>
  <sub-interface-list>....</sub-interface-list>
  <watch-list>....</watch-list>
  <activation-delay>
    activation-delay
  </activation-delay>
  <deactivation-delay>
    deactivation-delay
  </deactivation-delay>
  <activation-delay-elapsed>
    activation-delay-elapsed
  </activation-delay-elapsed>
  <deactivation-delay-elapsed>
    deactivation-delay-elapsed
  </deactivation-delay-elapsed>
```

```

<call-idle-timeout>
  call-idle-timeout
</call-idle-timeout>
<initial-route-check>
  initial-route-check
</initial-route-check>
<redial-delay>
  redial-delay
</redial-delay>
<callback-wait-period>
  callback-wait-period
</callback-wait-period>
<callback-wait-period-elapsed>
  callback-wait-period-elapsed
</callback-wait-period-elapsed>
<load-threshold>
  load-threshold
</load-threshold>
<load-interval>
  load-interval
</load-interval>
</dialer-interface>
</dialer-interface-information>

```

## Description

### <dialer-interface>

#### Usage

```

<logical-interface>
<dialer-information>
  <dialer-interface>
    <dialer-interface-name>
      dialer-interface-name
    </dialer-interface-name>
    <dialer-interface-state>
      dialer-interface-state
    </dialer-interface-state>
    <dialer-interface-flags>....</dialer-interface-flags>
    <pool-id>
      pool-id
    </pool-id>
    <primary-interface>
      primary-interface
    </primary-interface>
    <dial-string-list>....</dial-string-list>
    <sub-interface-list>....</sub-interface-list>
    <watch-list>....</watch-list>
    <activation-delay>
      activation-delay
    </activation-delay>
    <deactivation-delay>
      deactivation-delay
    </deactivation-delay>
    <activation-delay-elapsed>

```

```
    activation-delay-elapsed
  </activation-delay-elapsed>
  <deactivation-delay-elapsed>
    deactivation-delay-elapsed
  </deactivation-delay-elapsed>
  <call-idle-timeout>
    call-idle-timeout
  </call-idle-timeout>
  <initial-route-check>
    initial-route-check
  </initial-route-check>
  <redial-delay>
    redial-delay
  </redial-delay>
  <callback-wait-period>
    callback-wait-period
  </callback-wait-period>
  <callback-wait-period-elapsed>
    callback-wait-period-elapsed
  </callback-wait-period-elapsed>
  <load-threshold>
    load-threshold
  </load-threshold>
  <load-interval>
    load-interval
  </load-interval>
</dialer-interface>
</dialer-information>
</logical-interface>
```

## Description

### <dialer-interface>

#### Usage

```
<physical-interface>
<logical-interface>
  <dialer-information>
    <dialer-interface>
      <dialer-interface-name>
        dialer-interface-name
      </dialer-interface-name>
      <dialer-interface-state>
        dialer-interface-state
      </dialer-interface-state>
      <dialer-interface-flags>....</dialer-interface-flags>
      <pool-id>
        pool-id
      </pool-id>
      <primary-interface>
        primary-interface
      </primary-interface>
      <dial-string-list>....</dial-string-list>
      <sub-interface-list>....</sub-interface-list>
      <watch-list>....</watch-list>
```

```

<activation-delay>
  activation-delay
</activation-delay>
<deactivation-delay>
  deactivation-delay
</deactivation-delay>
<activation-delay-elapsed>
  activation-delay-elapsed
</activation-delay-elapsed>
<deactivation-delay-elapsed>
  deactivation-delay-elapsed
</deactivation-delay-elapsed>
<call-idle-timeout>
  call-idle-timeout
</call-idle-timeout>
<initial-route-check>
  initial-route-check
</initial-route-check>
<redial-delay>
  redial-delay
</redial-delay>
<callback-wait-period>
  callback-wait-period
</callback-wait-period>
<callback-wait-period-elapsed>
  callback-wait-period-elapsed
</callback-wait-period-elapsed>
<load-threshold>
  load-threshold
</load-threshold>
<load-interval>
  load-interval
</load-interval>
</dialer-interface>
</dialer-information>
</logical-interface>
</physical-interface>

```

## Description

### <dialer-interface>

## Usage

```

<interface-information>
  <physical-interface>
  <logical-interface>
    <dialer-information>
      <dialer-interface>
        <dialer-interface-name>
          dialer-interface-name
        </dialer-interface-name>
        <dialer-interface-state>
          dialer-interface-state
        </dialer-interface-state>
        <dialer-interface-flags>....</dialer-interface-flags>
      </dialer-interface>
    </dialer-information>
  </logical-interface>
</physical-interface>

```

```
<pool-id>
  pool-id
</pool-id>
<primary-interface>
  primary-interface
</primary-interface>
<dial-string-list>....</dial-string-list>
<sub-interface-list>....</sub-interface-list>
<watch-list>....</watch-list>
<activation-delay>
  activation-delay
</activation-delay>
<deactivation-delay>
  deactivation-delay
</deactivation-delay>
<activation-delay-elapsed>
  activation-delay-elapsed
</activation-delay-elapsed>
<deactivation-delay-elapsed>
  deactivation-delay-elapsed
</deactivation-delay-elapsed>
<call-idle-timeout>
  call-idle-timeout
</call-idle-timeout>
<initial-route-check>
  initial-route-check
</initial-route-check>
<redial-delay>
  redial-delay
</redial-delay>
<callback-wait-period>
  callback-wait-period
</callback-wait-period>
<callback-wait-period-elapsed>
  callback-wait-period-elapsed
</callback-wait-period-elapsed>
<load-threshold>
  load-threshold
</load-threshold>
<load-interval>
  load-interval
</load-interval>
</dialer-interface>
</dialer-information>
</logical-interface>
</physical-interface>
</interface-information>
```

## Description

### <dialer-interface>

#### Usage

```
<interface-information>
  <logical-interface>
```



```

<dialer-information>
  <dialer-interface>
    <dialer-interface-name>
      dialer-interface-name
    </dialer-interface-name>
    <dialer-interface-state>
      dialer-interface-state
    </dialer-interface-state>
    <dialer-interface-flags>.....</dialer-interface-flags>
    <pool-id>
      pool-id
    </pool-id>
    <primary-interface>
      primary-interface
    </primary-interface>
    <dial-string-list>.....</dial-string-list>
    <sub-interface-list>.....</sub-interface-list>
    <watch-list>.....</watch-list>
    <activation-delay>
      activation-delay
    </activation-delay>
    <deactivation-delay>
      deactivation-delay
    </deactivation-delay>
    <activation-delay-elapsed>
      activation-delay-elapsed
    </activation-delay-elapsed>
    <deactivation-delay-elapsed>
      deactivation-delay-elapsed
    </deactivation-delay-elapsed>
    <call-idle-timeout>
      call-idle-timeout
    </call-idle-timeout>
    <initial-route-check>
      initial-route-check
    </initial-route-check>
    <redial-delay>
      redial-delay
    </redial-delay>
    <callback-wait-period>
      callback-wait-period
    </callback-wait-period>
    <callback-wait-period-elapsed>
      callback-wait-period-elapsed
    </callback-wait-period-elapsed>
    <load-threshold>
      load-threshold
    </load-threshold>
    <load-interval>
      load-interval
    </load-interval>
  </dialer-interface>
</dialer-information>
</logical-interface>
</interface-information>

```

**Description****<dialer-interface>****Usage**

```
<interface-filter-information>
<physical-interface>
<logical-interface>
  <dialer-information>
    <dialer-interface>
      <dialer-interface-name>
        dialer-interface-name
      </dialer-interface-name>
      <dialer-interface-state>
        dialer-interface-state
      </dialer-interface-state>
      <dialer-interface-flags>....</dialer-interface-flags>
      <pool-id>
        pool-id
      </pool-id>
      <primary-interface>
        primary-interface
      </primary-interface>
      <dial-string-list>....</dial-string-list>
      <sub-interface-list>....</sub-interface-list>
      <watch-list>....</watch-list>
      <activation-delay>
        activation-delay
      </activation-delay>
      <deactivation-delay>
        deactivation-delay
      </deactivation-delay>
      <activation-delay-elapsed>
        activation-delay-elapsed
      </activation-delay-elapsed>
      <deactivation-delay-elapsed>
        deactivation-delay-elapsed
      </deactivation-delay-elapsed>
      <call-idle-timeout>
        call-idle-timeout
      </call-idle-timeout>
      <initial-route-check>
        initial-route-check
      </initial-route-check>
      <redial-delay>
        redial-delay
      </redial-delay>
      <callback-wait-period>
        callback-wait-period
      </callback-wait-period>
      <callback-wait-period-elapsed>
        callback-wait-period-elapsed
      </callback-wait-period-elapsed>
      <load-threshold>
        load-threshold
      </load-threshold>
```

```

    <load-interval>
      load-interval
    </load-interval>
  </dialer-interface>
</dialer-information>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

## Description

### <dialer-interface>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <dialer-information>
      <dialer-interface>
        <dialer-interface-name>
          dialer-interface-name
        </dialer-interface-name>
        <dialer-interface-state>
          dialer-interface-state
        </dialer-interface-state>
        <dialer-interface-flags>....</dialer-interface-flags>
        <pool-id>
          pool-id
        </pool-id>
        <primary-interface>
          primary-interface
        </primary-interface>
        <dial-string-list>....</dial-string-list>
        <sub-interface-list>....</sub-interface-list>
        <watch-list>....</watch-list>
        <activation-delay>
          activation-delay
        </activation-delay>
        <deactivation-delay>
          deactivation-delay
        </deactivation-delay>
        <activation-delay-elapsed>
          activation-delay-elapsed
        </activation-delay-elapsed>
        <deactivation-delay-elapsed>
          deactivation-delay-elapsed
        </deactivation-delay-elapsed>
        <call-idle-timeout>
          call-idle-timeout
        </call-idle-timeout>
        <initial-route-check>
          initial-route-check
        </initial-route-check>
        <redial-delay>
          redial-delay
        </redial-delay>
      </dialer-interface>
    </dialer-information>
  </logical-interface>
</interface-filter-information>

```

```
<callback-wait-period>
  callback-wait-period
</callback-wait-period>
<callback-wait-period-elapsed>
  callback-wait-period-elapsed
</callback-wait-period-elapsed>
<load-threshold>
  load-threshold
</load-threshold>
<load-interval>
  load-interval
</load-interval>
</dialer-interface>
</dialer-information>
</logical-interface>
</interface-filter-information>
```

## Description

### <dialer-interface>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
  <dialer-information>
    <dialer-interface>
      <dialer-interface-name>
        dialer-interface-name
      </dialer-interface-name>
      <dialer-interface-state>
        dialer-interface-state
      </dialer-interface-state>
      <dialer-interface-flags>....</dialer-interface-flags>
      <pool-id>
        pool-id
      </pool-id>
      <primary-interface>
        primary-interface
      </primary-interface>
      <dial-string-list>....</dial-string-list>
      <sub-interface-list>....</sub-interface-list>
      <watch-list>....</watch-list>
      <activation-delay>
        activation-delay
      </activation-delay>
      <deactivation-delay>
        deactivation-delay
      </deactivation-delay>
      <activation-delay-elapsed>
        activation-delay-elapsed
      </activation-delay-elapsed>
      <deactivation-delay-elapsed>
        deactivation-delay-elapsed
      </deactivation-delay-elapsed>
```

```

<call-idle-timeout>
  call-idle-timeout
</call-idle-timeout>
<initial-route-check>
  initial-route-check
</initial-route-check>
<redial-delay>
  redial-delay
</redial-delay>
<callback-wait-period>
  callback-wait-period
</callback-wait-period>
<callback-wait-period-elapsed>
  callback-wait-period-elapsed
</callback-wait-period-elapsed>
<load-threshold>
  load-threshold
</load-threshold>
<load-interval>
  load-interval
</load-interval>
</dialer-interface>
</dialer-information>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

## Description

### <dialer-interface>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <dialer-information>
      <dialer-interface>
        <dialer-interface-name>
          dialer-interface-name
        </dialer-interface-name>
        <dialer-interface-state>
          dialer-interface-state
        </dialer-interface-state>
        <dialer-interface-flags>....</dialer-interface-flags>
        <pool-id>
          pool-id
        </pool-id>
        <primary-interface>
          primary-interface
        </primary-interface>
        <dial-string-list>....</dial-string-list>
        <sub-interface-list>....</sub-interface-list>
        <watch-list>....</watch-list>
        <activation-delay>
          activation-delay
        </activation-delay>

```

```
<deactivation-delay>
  deactivation-delay
</deactivation-delay>
<activation-delay-elapsed>
  activation-delay-elapsed
</activation-delay-elapsed>
<deactivation-delay-elapsed>
  deactivation-delay-elapsed
</deactivation-delay-elapsed>
<call-idle-timeout>
  call-idle-timeout
</call-idle-timeout>
<initial-route-check>
  initial-route-check
</initial-route-check>
<redial-delay>
  redial-delay
</redial-delay>
<callback-wait-period>
  callback-wait-period
</callback-wait-period>
<callback-wait-period-elapsed>
  callback-wait-period-elapsed
</callback-wait-period-elapsed>
<load-threshold>
  load-threshold
</load-threshold>
<load-interval>
  load-interval
</load-interval>
</dialer-interface>
</dialer-information>
</logical-interface>
</interface-policer-information>
```

## Description

### <dialer-interface-flags>

#### Usage

```
<dialer-interface>
  <dialer-interface-flags>
    <backup>
      backup
    </backup>
    <multilink>
      multilink
    </multilink>
    <watchlist>
      watchlist
    </watchlist>
    <interesting-detected>
      interesting-detected
    </interesting-detected>
  </dialer-interface-flags>
```

```
</dialer-interface>
```

**Description** Flags indicating interface configuration

### <dialer-interface-flags>

#### Usage

```
<dialer-interface-information>
<dialer-interface>
<dialer-interface-flags>
<backup>
  backup
</backup>
<multilink>
  multilink
</multilink>
<watchlist>
  watchlist
</watchlist>
<interesting-detected>
  interesting-detected
</interesting-detected>
</dialer-interface-flags>
</dialer-interface>
</dialer-interface-information>
```

**Description** Flags indicating interface configuration

### <dialer-interface-flags>

#### Usage

```
<logical-interface>
<dialer-information>
<dialer-interface>
<dialer-interface-flags>
<backup>
  backup
</backup>
<multilink>
  multilink
</multilink>
<watchlist>
  watchlist
</watchlist>
<interesting-detected>
  interesting-detected
</interesting-detected>
</dialer-interface-flags>
</dialer-interface>
</dialer-information>
</logical-interface>
```

**Description**    Flags indicating interface configuration

### <dialer-interface-flags>

**Usage**

```
<physical-interface>
<logical-interface>
  <dialer-information>
    <dialer-interface>
      <dialer-interface-flags>
        <backup>
          backup
        </backup>
        <multilink>
          multilink
        </multilink>
        <watchlist>
          watchlist
        </watchlist>
        <interesting-detected>
          interesting-detected
        </interesting-detected>
      </dialer-interface-flags>
    </dialer-interface>
  </dialer-information>
</logical-interface>
</physical-interface>
```

**Description**    Flags indicating interface configuration

### <dialer-interface-flags>

**Usage**

```
<interface-information>
<physical-interface>
<logical-interface>
  <dialer-information>
    <dialer-interface>
      <dialer-interface-flags>
        <backup>
          backup
        </backup>
        <multilink>
          multilink
        </multilink>
        <watchlist>
          watchlist
        </watchlist>
        <interesting-detected>
          interesting-detected
        </interesting-detected>
      </dialer-interface-flags>
    </dialer-interface>
```



```

        </dialer-information>
    </logical-interface>
</physical-interface>
</interface-information>

```

**Description** Flags indicating interface configuration

### <dialer-interface-flags>

#### Usage

```

<interface-information>
  <logical-interface>
    <dialer-information>
      <dialer-interface>
        <dialer-interface-flags>
          <backup>
            backup
          </backup>
          <multilink>
            multilink
          </multilink>
          <watchlist>
            watchlist
          </watchlist>
          <interesting-detected>
            interesting-detected
          </interesting-detected>
        </dialer-interface-flags>
      </dialer-interface>
    </dialer-information>
  </logical-interface>
</interface-information>

```

**Description** Flags indicating interface configuration

### <dialer-interface-flags>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <dialer-information>
        <dialer-interface>
          <dialer-interface-flags>
            <backup>
              backup
            </backup>
            <multilink>
              multilink
            </multilink>
            <watchlist>
              watchlist

```

```
</watchlist>
<interesting-detected>
  interesting-detected
</interesting-detected>
</dialer-interface-flags>
</dialer-interface>
</dialer-information>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

**Description**    Flags indicating interface configuration

### <dialer-interface-flags>

#### Usage

```
<interface-filter-information>
<logical-interface>
<dialer-information>
  <dialer-interface>
    <dialer-interface-flags>
      <backup>
        backup
      </backup>
      <multilink>
        multilink
      </multilink>
      <watchlist>
        watchlist
      </watchlist>
      <interesting-detected>
        interesting-detected
      </interesting-detected>
    </dialer-interface-flags>
  </dialer-interface>
</dialer-information>
</logical-interface>
</interface-filter-information>
```

**Description**    Flags indicating interface configuration

### <dialer-interface-flags>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
  <dialer-information>
    <dialer-interface>
      <dialer-interface-flags>
        <backup>
          backup
```

```

    </backup>
    <multilink>
      multilink
    </multilink>
    <watchlist>
      watchlist
    </watchlist>
    <interesting-detected>
      interesting-detected
    </interesting-detected>
  </dialer-interface-flags>
</dialer-interface>
</dialer-information>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** Flags indicating interface configuration

### <dialer-interface-flags>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <dialer-information>
      <dialer-interface>
        <dialer-interface-flags>
          <backup>
            backup
          </backup>
          <multilink>
            multilink
          </multilink>
          <watchlist>
            watchlist
          </watchlist>
          <interesting-detected>
            interesting-detected
          </interesting-detected>
        </dialer-interface-flags>
      </dialer-interface>
    </dialer-information>
  </logical-interface>
</interface-policer-information>

```

**Description** Flags indicating interface configuration

### <dialer-interface-information>

#### Usage

```

<dialer-interface-information>
  <dialer-interface>....</dialer-interface>

```

</dialer-interface-information>

#### Description

#### <dlci-statistics>

##### Usage

```
<virtual-circuit-information>
  <dlci-statistics>
    <dlci-active>
      dlci-active
    </dlci-active>
    <dlci-inactive>
      dlci-inactive
    </dlci-inactive>
  </dlci-statistics>
</virtual-circuit-information>
```

**Description**    DLCI statistics for an interface

#### <dlci-statistics>

##### Usage

```
<logical-interface>
  <virtual-circuit-information>
    <dlci-statistics>
      <dlci-active>
        dlci-active
      </dlci-active>
      <dlci-inactive>
        dlci-inactive
      </dlci-inactive>
    </dlci-statistics>
  </virtual-circuit-information>
</logical-interface>
```

**Description**    DLCI statistics for an interface

#### <dlci-statistics>

##### Usage

```
<physical-interface>
  <logical-interface>
    <virtual-circuit-information>
      <dlci-statistics>
        <dlci-active>
          dlci-active
        </dlci-active>
        <dlci-inactive>
          dlci-inactive
        </dlci-inactive>
      </dlci-statistics>
    </virtual-circuit-information>
  </logical-interface>
</physical-interface>
```

```

    </dlci-statistics>
  </virtual-circuit-information>
</logical-interface>
</physical-interface>

```

**Description** DLCI statistics for an interface

### <dlci-statistics>

#### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <dlci-statistics>
          <dlci-active>
            dlci-active
          </dlci-active>
          <dlci-inactive>
            dlci-inactive
          </dlci-inactive>
        </dlci-statistics>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-information>

```

**Description** DLCI statistics for an interface

### <dlci-statistics>

#### Usage

```

<interface-information>
  <logical-interface>
    <virtual-circuit-information>
      <dlci-statistics>
        <dlci-active>
          dlci-active
        </dlci-active>
        <dlci-inactive>
          dlci-inactive
        </dlci-inactive>
      </dlci-statistics>
    </virtual-circuit-information>
  </logical-interface>
</interface-information>

```

**Description** DLCI statistics for an interface

## <dlci-statistics>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <dlci-statistics>
          <dlci-active>
            dlci-active
          </dlci-active>
          <dlci-inactive>
            dlci-inactive
          </dlci-inactive>
        </dlci-statistics>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description**    DLCI statistics for an interface

## <dlci-statistics>

### Usage

```
<interface-filter-information>
  <logical-interface>
    <virtual-circuit-information>
      <dlci-statistics>
        <dlci-active>
          dlci-active
        </dlci-active>
        <dlci-inactive>
          dlci-inactive
        </dlci-inactive>
      </dlci-statistics>
    </virtual-circuit-information>
  </logical-interface>
</interface-filter-information>
```

**Description**    DLCI statistics for an interface

## <dlci-statistics>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <dlci-statistics>
          <dlci-active>
            dlci-active
          </dlci-active>
        </dlci-statistics>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```

```

    </dlci-active>
    <dlci-inactive>
      dlci-inactive
    </dlci-inactive>
  </dlci-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** DLCI statistics for an interface

### <dlci-statistics>

#### Usage

```

<interface-policer-information>
<logical-interface>
  <virtual-circuit-information>
    <dlci-statistics>
      <dlci-active>
        dlci-active
      </dlci-active>
      <dlci-inactive>
        dlci-inactive
      </dlci-inactive>
    </dlci-statistics>
  </virtual-circuit-information>
</logical-interface>
</interface-policer-information>

```

**Description** DLCI statistics for an interface

### <docsis-information>

#### Usage

```

<interface-information>
  <docsis-information>
    <docsis-status-information>....</docsis-status-information>
    <docsis-media-properties>....</docsis-media-properties>
    <docsis-security-properties>....</docsis-security-properties>
  </docsis-information>
</interface-information>

```

**Description**

### <docsis-media-properties>

#### Usage

```

<interface-information>
  <docsis-information>
    <docsis-media-properties>

```

```
<downstream-buffers-used>
  downstream-buffers-used
</downstream-buffers-used>
<downstream-buffers-free>
  downstream-buffers-free
</downstream-buffers-free>
<upstream-buffers-used>
  upstream-buffers-used
</upstream-buffers-used>
<upstream-buffers-free>
  upstream-buffers-free
</upstream-buffers-free>
<request-opportunity-burst>
  request-opportunity-burst
</request-opportunity-burst>
<physical-burst>
  physical-burst
</physical-burst>
<tuner-frequency>
  tuner-frequency
</tuner-frequency>
<standard-short-grant>
  standard-short-grant
</standard-short-grant>
<standard-long-grant>
  standard-long-grant
</standard-long-grant>
</docsis-media-properties>
</docsis-information>
</interface-information>
```

**Description** Information about media properties of DOCSIS interface

### <docsis-media-properties>

#### Usage

```
<docsis-media-properties>
<downstream-buffers-used>
  downstream-buffers-used
</downstream-buffers-used>
<downstream-buffers-free>
  downstream-buffers-free
</downstream-buffers-free>
<upstream-buffers-used>
  upstream-buffers-used
</upstream-buffers-used>
<upstream-buffers-free>
  upstream-buffers-free
</upstream-buffers-free>
<request-opportunity-burst>
  request-opportunity-burst
</request-opportunity-burst>
<physical-burst>
  physical-burst
```



```
</physical-burst>
<tuner-frequency>
  tuner-frequency
</tuner-frequency>
<standard-short-grant>
  standard-short-grant
</standard-short-grant>
<standard-long-grant>
  standard-long-grant
</standard-long-grant>
</docsis-media-properties>
```

**Description** Information about media properties of DOCSIS interface

### <docsis-security-properties>

#### Usage

```
<interface-information>
<docsis-information>
  <docsis-security-properties>
    <docsis-bpi>
      docsis-bpi
    </docsis-bpi>
    <encryption-algorithm>
      encryption-algorithm
    </encryption-algorithm>
    <key-length>
      key-length
    </key-length>
  </docsis-security-properties>
</docsis-information>
</interface-information>
```

**Description** Information on security related properties of DOCSIS interface

### <docsis-security-properties>

#### Usage

```
<docsis-security-properties>
  <docsis-bpi>
    docsis-bpi
  </docsis-bpi>
  <encryption-algorithm>
    encryption-algorithm
  </encryption-algorithm>
  <key-length>
    key-length
  </key-length>
</docsis-security-properties>
```

**Description** Information on security related properties of DOCSIS interface

## <docsis-status-information>

### Usage

```
<interface-information>
  <docsis-information>
    <docsis-status-information>
      <docsis-state>
        docsis-state
      </docsis-state>
      <docsis-mode>
        docsis-mode
      </docsis-mode>
      <docsis-upstream-speed>
        docsis-upstream-speed
      </docsis-upstream-speed>
      <downstream-scanning>
        downstream-scanning
      </downstream-scanning>
      <ranging>
        ranging
      </ranging>
      <signal-to-noise-ratio>
        signal-to-noise-ratio
      </signal-to-noise-ratio>
      <power>
        power
      </power>
    </docsis-status-information>
  </docsis-information>
</interface-information>
```

**Description**    Status of DOCSIS interface

## <docsis-status-information>

### Usage

```
<docsis-status-information>
  <docsis-state>
    docsis-state
  </docsis-state>
  <docsis-mode>
    docsis-mode
  </docsis-mode>
  <docsis-upstream-speed>
    docsis-upstream-speed
  </docsis-upstream-speed>
  <downstream-scanning>
    downstream-scanning
  </downstream-scanning>
  <ranging>
    ranging
  </ranging>
  <signal-to-noise-ratio>
```

```

    signal-to-noise-ratio
  </signal-to-noise-ratio>
  <power>
    power
  </power>
</docsis-status-information>

```

**Description** Status of DOCSIS interface

## <ds0-bert-information>

### Usage

```

<ds0-bert-information>
  <ds0-bert-period>
    ds0-bert-period
  </ds0-bert-period>
  <ds0-bert-elapsed>
    ds0-bert-elapsed
  </ds0-bert-elapsed>
  <ds0-bert-status>
    ds0-bert-status
  </ds0-bert-status>
  <ds0-bert-algorithm>
    ds0-bert-algorithm
  </ds0-bert-algorithm>
  <ds0-bert-error-rate>
    ds0-bert-error-rate
  </ds0-bert-error-rate>
  <ds0-bert-induced-error-rate>
    ds0-bert-induced-error-rate
  </ds0-bert-induced-error-rate>
  <ds0-bert-bit-count>
    ds0-bert-bit-count
  </ds0-bert-bit-count>
  <ds0-bert-error-bit-count>
    ds0-bert-error-bit-count
  </ds0-bert-error-bit-count>
  <ds0-bert-los-status>
    ds0-bert-los-status
  </ds0-bert-los-status>
  <ds0-bert-los-count>
    ds0-bert-los-count
  </ds0-bert-los-count>
  <ds0-bert-los-seconds>
    ds0-bert-los-seconds
  </ds0-bert-los-seconds>
</ds0-bert-information>

```

**Description** DS0 BERT configuration and statistics

## &lt;ds0-bert-information&gt;

## Usage

```
<physical-interface>
  <ds0-bert-information>
    <ds0-bert-period>
      ds0-bert-period
    </ds0-bert-period>
    <ds0-bert-elapsed>
      ds0-bert-elapsed
    </ds0-bert-elapsed>
    <ds0-bert-status>
      ds0-bert-status
    </ds0-bert-status>
    <ds0-bert-algorithm>
      ds0-bert-algorithm
    </ds0-bert-algorithm>
    <ds0-bert-error-rate>
      ds0-bert-error-rate
    </ds0-bert-error-rate>
    <ds0-bert-induced-error-rate>
      ds0-bert-induced-error-rate
    </ds0-bert-induced-error-rate>
    <ds0-bert-bit-count>
      ds0-bert-bit-count
    </ds0-bert-bit-count>
    <ds0-bert-error-bit-count>
      ds0-bert-error-bit-count
    </ds0-bert-error-bit-count>
    <ds0-bert-los-status>
      ds0-bert-los-status
    </ds0-bert-los-status>
    <ds0-bert-los-count>
      ds0-bert-los-count
    </ds0-bert-los-count>
    <ds0-bert-los-seconds>
      ds0-bert-los-seconds
    </ds0-bert-los-seconds>
  </ds0-bert-information>
</physical-interface>
```

**Description**    DS0 BERT configuration and statistics

## &lt;ds0-bert-information&gt;

## Usage

```
<interface-information>
  <physical-interface>
    <ds0-bert-information>
      <ds0-bert-period>
        ds0-bert-period
      </ds0-bert-period>
      <ds0-bert-elapsed>
```

```

    ds0-bert-elapsed
  </ds0-bert-elapsed>
  <ds0-bert-status>
    ds0-bert-status
  </ds0-bert-status>
  <ds0-bert-algorithm>
    ds0-bert-algorithm
  </ds0-bert-algorithm>
  <ds0-bert-error-rate>
    ds0-bert-error-rate
  </ds0-bert-error-rate>
  <ds0-bert-induced-error-rate>
    ds0-bert-induced-error-rate
  </ds0-bert-induced-error-rate>
  <ds0-bert-bit-count>
    ds0-bert-bit-count
  </ds0-bert-bit-count>
  <ds0-bert-error-bit-count>
    ds0-bert-error-bit-count
  </ds0-bert-error-bit-count>
  <ds0-bert-los-status>
    ds0-bert-los-status
  </ds0-bert-los-status>
  <ds0-bert-los-count>
    ds0-bert-los-count
  </ds0-bert-los-count>
  <ds0-bert-los-seconds>
    ds0-bert-los-seconds
  </ds0-bert-los-seconds>
</ds0-bert-information>
</physical-interface>
</interface-information>

```

**Description** DS0 BERT configuration and statistics

## <ds0-bert-information>

### Usage

```

<interface-filter-information>
  <physical-interface>
    <ds0-bert-information>
      <ds0-bert-period>
        ds0-bert-period
      </ds0-bert-period>
      <ds0-bert-elapsed>
        ds0-bert-elapsed
      </ds0-bert-elapsed>
      <ds0-bert-status>
        ds0-bert-status
      </ds0-bert-status>
      <ds0-bert-algorithm>
        ds0-bert-algorithm
      </ds0-bert-algorithm>
      <ds0-bert-error-rate>

```

```
    ds0-bert-error-rate
  </ds0-bert-error-rate>
  <ds0-bert-induced-error-rate>
    ds0-bert-induced-error-rate
  </ds0-bert-induced-error-rate>
  <ds0-bert-bit-count>
    ds0-bert-bit-count
  </ds0-bert-bit-count>
  <ds0-bert-error-bit-count>
    ds0-bert-error-bit-count
  </ds0-bert-error-bit-count>
  <ds0-bert-los-status>
    ds0-bert-los-status
  </ds0-bert-los-status>
  <ds0-bert-los-count>
    ds0-bert-los-count
  </ds0-bert-los-count>
  <ds0-bert-los-seconds>
    ds0-bert-los-seconds
  </ds0-bert-los-seconds>
</ds0-bert-information>
</physical-interface>
</interface-filter-information>
```

**Description** DS0 BERT configuration and statistics

### <ds0-bert-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <ds0-bert-information>
      <ds0-bert-period>
        ds0-bert-period
      </ds0-bert-period>
      <ds0-bert-elapsed>
        ds0-bert-elapsed
      </ds0-bert-elapsed>
      <ds0-bert-status>
        ds0-bert-status
      </ds0-bert-status>
      <ds0-bert-algorithm>
        ds0-bert-algorithm
      </ds0-bert-algorithm>
      <ds0-bert-error-rate>
        ds0-bert-error-rate
      </ds0-bert-error-rate>
      <ds0-bert-induced-error-rate>
        ds0-bert-induced-error-rate
      </ds0-bert-induced-error-rate>
      <ds0-bert-bit-count>
        ds0-bert-bit-count
      </ds0-bert-bit-count>
      <ds0-bert-error-bit-count>
```

```

    ds0-bert-error-bit-count
  </ds0-bert-error-bit-count>
  <ds0-bert-los-status>
    ds0-bert-los-status
  </ds0-bert-los-status>
  <ds0-bert-los-count>
    ds0-bert-los-count
  </ds0-bert-los-count>
  <ds0-bert-los-seconds>
    ds0-bert-los-seconds
  </ds0-bert-los-seconds>
</ds0-bert-information>
</physical-interface>
</interface-policer-information>

```

**Description** DS0 BERT configuration and statistics

## <ds1-bert-information>

### Usage

```

<ds1-bert-information>
  <ds1-bert-period>
    ds1-bert-period
  </ds1-bert-period>
  <ds1-bert-elapsed>
    ds1-bert-elapsed
  </ds1-bert-elapsed>
  <ds1-bert-status>
    ds1-bert-status
  </ds1-bert-status>
  <ds1-bert-algorithm>
    ds1-bert-algorithm
  </ds1-bert-algorithm>
  <ds1-bert-error-rate>
    ds1-bert-error-rate
  </ds1-bert-error-rate>
  <ds1-bert-induced-error-rate>
    ds1-bert-induced-error-rate
  </ds1-bert-induced-error-rate>
  <ds1-bert-bit-count>
    ds1-bert-bit-count
  </ds1-bert-bit-count>
  <ds1-bert-error-bit-count>
    ds1-bert-error-bit-count
  </ds1-bert-error-bit-count>
  <ds1-bert-los-status>
    ds1-bert-los-status
  </ds1-bert-los-status>
  <ds1-bert-los-count>
    ds1-bert-los-count
  </ds1-bert-los-count>
  <ds1-bert-los-seconds>
    ds1-bert-los-seconds
  </ds1-bert-los-seconds>

```

</dsl-bert-information>

**Description** DSI BERT configuration and statistics

<dsl-bert-information>

**Usage**

```
<physical-interface>
  <dsl-bert-information>
    <dsl-bert-period>
      dsl-bert-period
    </dsl-bert-period>
    <dsl-bert-elapsed>
      dsl-bert-elapsed
    </dsl-bert-elapsed>
    <dsl-bert-status>
      dsl-bert-status
    </dsl-bert-status>
    <dsl-bert-algorithm>
      dsl-bert-algorithm
    </dsl-bert-algorithm>
    <dsl-bert-error-rate>
      dsl-bert-error-rate
    </dsl-bert-error-rate>
    <dsl-bert-induced-error-rate>
      dsl-bert-induced-error-rate
    </dsl-bert-induced-error-rate>
    <dsl-bert-bit-count>
      dsl-bert-bit-count
    </dsl-bert-bit-count>
    <dsl-bert-error-bit-count>
      dsl-bert-error-bit-count
    </dsl-bert-error-bit-count>
    <dsl-bert-los-status>
      dsl-bert-los-status
    </dsl-bert-los-status>
    <dsl-bert-los-count>
      dsl-bert-los-count
    </dsl-bert-los-count>
    <dsl-bert-los-seconds>
      dsl-bert-los-seconds
    </dsl-bert-los-seconds>
  </dsl-bert-information>
</physical-interface>
```

**Description** DSI BERT configuration and statistics

<dsl-bert-information>

**Usage**

```
<interface-information>
  <physical-interface>
```



```

<ds1-bert-information>
  <ds1-bert-period>
    ds1-bert-period
  </ds1-bert-period>
  <ds1-bert-elapsed>
    ds1-bert-elapsed
  </ds1-bert-elapsed>
  <ds1-bert-status>
    ds1-bert-status
  </ds1-bert-status>
  <ds1-bert-algorithm>
    ds1-bert-algorithm
  </ds1-bert-algorithm>
  <ds1-bert-error-rate>
    ds1-bert-error-rate
  </ds1-bert-error-rate>
  <ds1-bert-induced-error-rate>
    ds1-bert-induced-error-rate
  </ds1-bert-induced-error-rate>
  <ds1-bert-bit-count>
    ds1-bert-bit-count
  </ds1-bert-bit-count>
  <ds1-bert-error-bit-count>
    ds1-bert-error-bit-count
  </ds1-bert-error-bit-count>
  <ds1-bert-los-status>
    ds1-bert-los-status
  </ds1-bert-los-status>
  <ds1-bert-los-count>
    ds1-bert-los-count
  </ds1-bert-los-count>
  <ds1-bert-los-seconds>
    ds1-bert-los-seconds
  </ds1-bert-los-seconds>
</ds1-bert-information>
</physical-interface>
</interface-information>

```

**Description** DS1 BERT configuration and statistics

### <ds1-bert-information>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <ds1-bert-information>
      <ds1-bert-period>
        ds1-bert-period
      </ds1-bert-period>
      <ds1-bert-elapsed>
        ds1-bert-elapsed
      </ds1-bert-elapsed>
      <ds1-bert-status>
        ds1-bert-status

```

```
</dsl-bert-status>
<dsl-bert-algorithm>
  dsl-bert-algorithm
</dsl-bert-algorithm>
<dsl-bert-error-rate>
  dsl-bert-error-rate
</dsl-bert-error-rate>
<dsl-bert-induced-error-rate>
  dsl-bert-induced-error-rate
</dsl-bert-induced-error-rate>
<dsl-bert-bit-count>
  dsl-bert-bit-count
</dsl-bert-bit-count>
<dsl-bert-error-bit-count>
  dsl-bert-error-bit-count
</dsl-bert-error-bit-count>
<dsl-bert-los-status>
  dsl-bert-los-status
</dsl-bert-los-status>
<dsl-bert-los-count>
  dsl-bert-los-count
</dsl-bert-los-count>
<dsl-bert-los-seconds>
  dsl-bert-los-seconds
</dsl-bert-los-seconds>
</dsl-bert-information>
</physical-interface>
</interface-filter-information>
```

**Description** DS1 BERT configuration and statistics

### <dsl-bert-information>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <dsl-bert-information>
    <dsl-bert-period>
      dsl-bert-period
    </dsl-bert-period>
    <dsl-bert-elapsed>
      dsl-bert-elapsed
    </dsl-bert-elapsed>
    <dsl-bert-status>
      dsl-bert-status
    </dsl-bert-status>
    <dsl-bert-algorithm>
      dsl-bert-algorithm
    </dsl-bert-algorithm>
    <dsl-bert-error-rate>
      dsl-bert-error-rate
    </dsl-bert-error-rate>
    <dsl-bert-induced-error-rate>
      dsl-bert-induced-error-rate
```

```

</ds1-bert-induced-error-rate>
<ds1-bert-bit-count>
  ds1-bert-bit-count
</ds1-bert-bit-count>
<ds1-bert-error-bit-count>
  ds1-bert-error-bit-count
</ds1-bert-error-bit-count>
<ds1-bert-los-status>
  ds1-bert-los-status
</ds1-bert-los-status>
<ds1-bert-los-count>
  ds1-bert-los-count
</ds1-bert-los-count>
<ds1-bert-los-seconds>
  ds1-bert-los-seconds
</ds1-bert-los-seconds>
</ds1-bert-information>
</physical-interface>
</interface-policer-information>

```

**Description** DS1 BERT configuration and statistics

### <ds1-crc-alarm-threshold>

#### Usage

```

<physical-interface>
  <ds1-crc-alarm-threshold>
    <ds1-crc-alarm-threshold-major>
      ds1-crc-alarm-threshold-major
    </ds1-crc-alarm-threshold-major>
    <ds1-crc-alarm-threshold-minor>
      ds1-crc-alarm-threshold-minor
    </ds1-crc-alarm-threshold-minor>
  </ds1-crc-alarm-threshold>
</physical-interface>

```

**Description** DS1 CRC alarm thresholds

### <ds1-crc-alarm-threshold>

#### Usage

```

<interface-information>
  <physical-interface>
    <ds1-crc-alarm-threshold>
      <ds1-crc-alarm-threshold-major>
        ds1-crc-alarm-threshold-major
      </ds1-crc-alarm-threshold-major>
      <ds1-crc-alarm-threshold-minor>
        ds1-crc-alarm-threshold-minor
      </ds1-crc-alarm-threshold-minor>
    </ds1-crc-alarm-threshold>
  </physical-interface>

```

</interface-information>

**Description** DS1 CRC alarm thresholds

### <ds1-crc-alarm-threshold>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <ds1-crc-alarm-threshold>
      <ds1-crc-alarm-threshold-major>
        ds1-crc-alarm-threshold-major
      </ds1-crc-alarm-threshold-major>
      <ds1-crc-alarm-threshold-minor>
        ds1-crc-alarm-threshold-minor
      </ds1-crc-alarm-threshold-minor>
    </ds1-crc-alarm-threshold>
  </physical-interface>
</interface-filter-information>
```

**Description** DS1 CRC alarm thresholds

### <ds1-crc-alarm-threshold>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <ds1-crc-alarm-threshold>
      <ds1-crc-alarm-threshold-major>
        ds1-crc-alarm-threshold-major
      </ds1-crc-alarm-threshold-major>
      <ds1-crc-alarm-threshold-minor>
        ds1-crc-alarm-threshold-minor
      </ds1-crc-alarm-threshold-minor>
    </ds1-crc-alarm-threshold>
  </physical-interface>
</interface-policer-information>
```

**Description** DS1 CRC alarm thresholds

### <ds3-bert-information>

#### Usage

```
<ds3-bert-information>
  <ds3-bert-period>
    ds3-bert-period
  </ds3-bert-period>
  <ds3-bert-elapsed>
    ds3-bert-elapsed
  </ds3-bert-elapsed>
  <ds3-bert-status>
```

```

    ds3-bert-status
  </ds3-bert-status>
  <ds3-bert-algorithm>
    ds3-bert-algorithm
  </ds3-bert-algorithm>
  <ds3-bert-error-rate>
    ds3-bert-error-rate
  </ds3-bert-error-rate>
  <ds3-bert-induced-error-rate>
    ds3-bert-induced-error-rate
  </ds3-bert-induced-error-rate>
  <ds3-bert-bit-count>
    ds3-bert-bit-count
  </ds3-bert-bit-count>
  <ds3-bert-bit-count-overflow>
    ds3-bert-bit-count-overflow
  </ds3-bert-bit-count-overflow>
  <ds3-bert-error-bit-count>
    ds3-bert-error-bit-count
  </ds3-bert-error-bit-count>
  <ds3-bert-error-bit-count-overflow>
    ds3-bert-error-bit-count-overflow
  </ds3-bert-error-bit-count-overflow>
  <ds3-bert-los-status>
    ds3-bert-los-status
  </ds3-bert-los-status>
  <ds3-bert-los-count>
    ds3-bert-los-count
  </ds3-bert-los-count>
  <ds3-bert-los-seconds>
    ds3-bert-los-seconds
  </ds3-bert-los-seconds>
</ds3-bert-information>

```

**Description** DS3 BERT configuration and statistics

### <ds3-bert-information>

#### Usage

```

<physical-interface>
  <ds3-bert-information>
    <ds3-bert-period>
      ds3-bert-period
    </ds3-bert-period>
    <ds3-bert-elapsed>
      ds3-bert-elapsed
    </ds3-bert-elapsed>
    <ds3-bert-status>
      ds3-bert-status
    </ds3-bert-status>
    <ds3-bert-algorithm>
      ds3-bert-algorithm
    </ds3-bert-algorithm>
    <ds3-bert-error-rate>

```

```
    ds3-bert-error-rate
  </ds3-bert-error-rate>
  <ds3-bert-induced-error-rate>
    ds3-bert-induced-error-rate
  </ds3-bert-induced-error-rate>
  <ds3-bert-bit-count>
    ds3-bert-bit-count
  </ds3-bert-bit-count>
  <ds3-bert-bit-count-overflow>
    ds3-bert-bit-count-overflow
  </ds3-bert-bit-count-overflow>
  <ds3-bert-error-bit-count>
    ds3-bert-error-bit-count
  </ds3-bert-error-bit-count>
  <ds3-bert-error-bit-count-overflow>
    ds3-bert-error-bit-count-overflow
  </ds3-bert-error-bit-count-overflow>
  <ds3-bert-los-status>
    ds3-bert-los-status
  </ds3-bert-los-status>
  <ds3-bert-los-count>
    ds3-bert-los-count
  </ds3-bert-los-count>
  <ds3-bert-los-seconds>
    ds3-bert-los-seconds
  </ds3-bert-los-seconds>
</ds3-bert-information>
</physical-interface>
```

**Description** DS3 BERT configuration and statistics

### <ds3-bert-information>

#### Usage

```
<interface-information>
  <physical-interface>
    <ds3-bert-information>
      <ds3-bert-period>
        ds3-bert-period
      </ds3-bert-period>
      <ds3-bert-elapsed>
        ds3-bert-elapsed
      </ds3-bert-elapsed>
      <ds3-bert-status>
        ds3-bert-status
      </ds3-bert-status>
      <ds3-bert-algorithm>
        ds3-bert-algorithm
      </ds3-bert-algorithm>
      <ds3-bert-error-rate>
        ds3-bert-error-rate
      </ds3-bert-error-rate>
      <ds3-bert-induced-error-rate>
        ds3-bert-induced-error-rate
```

```

</ds3-bert-induced-error-rate>
<ds3-bert-bit-count>
  ds3-bert-bit-count
</ds3-bert-bit-count>
<ds3-bert-bit-count-overflow>
  ds3-bert-bit-count-overflow
</ds3-bert-bit-count-overflow>
<ds3-bert-error-bit-count>
  ds3-bert-error-bit-count
</ds3-bert-error-bit-count>
<ds3-bert-error-bit-count-overflow>
  ds3-bert-error-bit-count-overflow
</ds3-bert-error-bit-count-overflow>
<ds3-bert-los-status>
  ds3-bert-los-status
</ds3-bert-los-status>
<ds3-bert-los-count>
  ds3-bert-los-count
</ds3-bert-los-count>
<ds3-bert-los-seconds>
  ds3-bert-los-seconds
</ds3-bert-los-seconds>
</ds3-bert-information>
</physical-interface>
</interface-information>

```

**Description** DS3 BERT configuration and statistics

## <ds3-bert-information>

### Usage

```

<interface-filter-information>
  <physical-interface>
    <ds3-bert-information>
      <ds3-bert-period>
        ds3-bert-period
      </ds3-bert-period>
      <ds3-bert-elapsed>
        ds3-bert-elapsed
      </ds3-bert-elapsed>
      <ds3-bert-status>
        ds3-bert-status
      </ds3-bert-status>
      <ds3-bert-algorithm>
        ds3-bert-algorithm
      </ds3-bert-algorithm>
      <ds3-bert-error-rate>
        ds3-bert-error-rate
      </ds3-bert-error-rate>
      <ds3-bert-induced-error-rate>
        ds3-bert-induced-error-rate
      </ds3-bert-induced-error-rate>
      <ds3-bert-bit-count>
        ds3-bert-bit-count

```

```
</ds3-bert-bit-count>
<ds3-bert-bit-count-overflow>
  ds3-bert-bit-count-overflow
</ds3-bert-bit-count-overflow>
<ds3-bert-error-bit-count>
  ds3-bert-error-bit-count
</ds3-bert-error-bit-count>
<ds3-bert-error-bit-count-overflow>
  ds3-bert-error-bit-count-overflow
</ds3-bert-error-bit-count-overflow>
<ds3-bert-los-status>
  ds3-bert-los-status
</ds3-bert-los-status>
<ds3-bert-los-count>
  ds3-bert-los-count
</ds3-bert-los-count>
<ds3-bert-los-seconds>
  ds3-bert-los-seconds
</ds3-bert-los-seconds>
</ds3-bert-information>
</physical-interface>
</interface-filter-information>
```

**Description** DS3 BERT configuration and statistics

### <ds3-bert-information>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <ds3-bert-information>
    <ds3-bert-period>
      ds3-bert-period
    </ds3-bert-period>
    <ds3-bert-elapsed>
      ds3-bert-elapsed
    </ds3-bert-elapsed>
    <ds3-bert-status>
      ds3-bert-status
    </ds3-bert-status>
    <ds3-bert-algorithm>
      ds3-bert-algorithm
    </ds3-bert-algorithm>
    <ds3-bert-error-rate>
      ds3-bert-error-rate
    </ds3-bert-error-rate>
    <ds3-bert-induced-error-rate>
      ds3-bert-induced-error-rate
    </ds3-bert-induced-error-rate>
    <ds3-bert-bit-count>
      ds3-bert-bit-count
    </ds3-bert-bit-count>
    <ds3-bert-bit-count-overflow>
      ds3-bert-bit-count-overflow
```



```

</ds3-bert-bit-count-overflow>
<ds3-bert-error-bit-count>
  ds3-bert-error-bit-count
</ds3-bert-error-bit-count>
<ds3-bert-error-bit-count-overflow>
  ds3-bert-error-bit-count-overflow
</ds3-bert-error-bit-count-overflow>
<ds3-bert-los-status>
  ds3-bert-los-status
</ds3-bert-los-status>
<ds3-bert-los-count>
  ds3-bert-los-count
</ds3-bert-los-count>
<ds3-bert-los-seconds>
  ds3-bert-los-seconds
</ds3-bert-los-seconds>
</ds3-bert-information>
</physical-interface>
</interface-policer-information>

```

**Description** DS3 BERT configuration and statistics

## <dsl-chipset-information>

### Usage

```

<dsl-information>
  <dsl-chipset-information>
    <atu-r-vendor-id>
      atu-r-vendor-id
    </atu-r-vendor-id>
    <atu-c-vendor-id>
      atu-c-vendor-id
    </atu-c-vendor-id>
    <atu-r-vendor-specific>
      atu-r-vendor-specific
    </atu-r-vendor-specific>
    <atu-c-vendor-specific>
      atu-c-vendor-specific
    </atu-c-vendor-specific>
    <atu-r-country-code>
      atu-r-country-code
    </atu-r-country-code>
    <atu-c-country-code>
      atu-c-country-code
    </atu-c-country-code>
  </dsl-chipset-information>
</dsl-information>

```

### Description

## <dsl-chipset-information>

### Usage

```
<physical-interface>
  <dsl-information>
    <dsl-chipset-information>
      <atu-r-vendor-id>
        atu-r-vendor-id
      </atu-r-vendor-id>
      <atu-c-vendor-id>
        atu-c-vendor-id
      </atu-c-vendor-id>
      <atu-r-vendor-specific>
        atu-r-vendor-specific
      </atu-r-vendor-specific>
      <atu-c-vendor-specific>
        atu-c-vendor-specific
      </atu-c-vendor-specific>
      <atu-r-country-code>
        atu-r-country-code
      </atu-r-country-code>
      <atu-c-country-code>
        atu-c-country-code
      </atu-c-country-code>
    </dsl-chipset-information>
  </dsl-information>
</physical-interface>
```

### Description

## <dsl-chipset-information>

### Usage

```
<interface-information>
  <physical-interface>
    <dsl-information>
      <dsl-chipset-information>
        <atu-r-vendor-id>
          atu-r-vendor-id
        </atu-r-vendor-id>
        <atu-c-vendor-id>
          atu-c-vendor-id
        </atu-c-vendor-id>
        <atu-r-vendor-specific>
          atu-r-vendor-specific
        </atu-r-vendor-specific>
        <atu-c-vendor-specific>
          atu-c-vendor-specific
        </atu-c-vendor-specific>
        <atu-r-country-code>
          atu-r-country-code
        </atu-r-country-code>
        <atu-c-country-code>
          atu-c-country-code
        </atu-c-country-code>
      </dsl-chipset-information>
    </dsl-information>
  </physical-interface>
</interface-information>
```

```

        </atu-c-country-code>
      </dsl-chipset-information>
    </dsl-information>
  </physical-interface>
</interface-information>

```

#### Description

### <dsl-chipset-information>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <dsl-information>
      <dsl-chipset-information>
        <atu-r-vendor-id>
          atu-r-vendor-id
        </atu-r-vendor-id>
        <atu-c-vendor-id>
          atu-c-vendor-id
        </atu-c-vendor-id>
        <atu-r-vendor-specific>
          atu-r-vendor-specific
        </atu-r-vendor-specific>
        <atu-c-vendor-specific>
          atu-c-vendor-specific
        </atu-c-vendor-specific>
        <atu-r-country-code>
          atu-r-country-code
        </atu-r-country-code>
        <atu-c-country-code>
          atu-c-country-code
        </atu-c-country-code>
      </dsl-chipset-information>
    </dsl-information>
  </physical-interface>
</interface-filter-information>

```

#### Description

### <dsl-chipset-information>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <dsl-information>
      <dsl-chipset-information>
        <atu-r-vendor-id>
          atu-r-vendor-id
        </atu-r-vendor-id>
        <atu-c-vendor-id>
          atu-c-vendor-id
        </atu-c-vendor-id>
        <atu-r-vendor-specific>

```

```
    atu-r-vendor-specific
  </atu-r-vendor-specific>
  <atu-c-vendor-specific>
    atu-c-vendor-specific
  </atu-c-vendor-specific>
  <atu-r-country-code>
    atu-r-country-code
  </atu-r-country-code>
  <atu-c-country-code>
    atu-c-country-code
  </atu-c-country-code>
</dsl-chipset-information>
</dsl-information>
</physical-interface>
</interface-policer-information>
```

**Description****<dsl-information>****Usage**

```
<dsl-information>
  <dsl-line-status>
    dsl-line-status
  </dsl-line-status>
  <dsl-line-operating-mode>
    dsl-line-operating-mode
  </dsl-line-operating-mode>
  <dsl-line-type>
    dsl-line-type
  </dsl-line-type>
  <adsl-annex-type>
    adsl-annex-type
  </adsl-annex-type>
  <adsl-last-fail-code>
    adsl-last-fail-code
  </adsl-last-fail-code>
  <adsl-subfunction>
    adsl-subfunction
  </adsl-subfunction>
  <adsl-seconds-in-showtime>
    adsl-seconds-in-showtime
  </adsl-seconds-in-showtime>
  <dsl-chipset-information>.....</dsl-chipset-information>
  <dsl-statistics>.....</dsl-statistics>
</dsl-information>
```

**Description** Operational information and statistics for ADSL interfaces**<dsl-information>****Usage**

```
<physical-interface>
```

```

<dsl-information>
  <dsl-line-status>
    dsl-line-status
  </dsl-line-status>
  <dsl-line-operating-mode>
    dsl-line-operating-mode
  </dsl-line-operating-mode>
  <dsl-line-type>
    dsl-line-type
  </dsl-line-type>
  <adsl-annex-type>
    adsl-annex-type
  </adsl-annex-type>
  <adsl-last-fail-code>
    adsl-last-fail-code
  </adsl-last-fail-code>
  <adsl-subfunction>
    adsl-subfunction
  </adsl-subfunction>
  <adsl-seconds-in-showtime>
    adsl-seconds-in-showtime
  </adsl-seconds-in-showtime>
  <dsl-chipset-information>....</dsl-chipset-information>
  <dsl-statistics>....</dsl-statistics>
</dsl-information>
</physical-interface>

```

**Description** Operational information and statistics for ADSL interfaces

## <dsl-information>

### Usage

```

<interface-information>
  <physical-interface>
    <dsl-information>
      <dsl-line-status>
        dsl-line-status
      </dsl-line-status>
      <dsl-line-operating-mode>
        dsl-line-operating-mode
      </dsl-line-operating-mode>
      <dsl-line-type>
        dsl-line-type
      </dsl-line-type>
      <adsl-annex-type>
        adsl-annex-type
      </adsl-annex-type>
      <adsl-last-fail-code>
        adsl-last-fail-code
      </adsl-last-fail-code>
      <adsl-subfunction>
        adsl-subfunction
      </adsl-subfunction>
      <adsl-seconds-in-showtime>

```

```
    adsl-seconds-in-showtime
  </adsl-seconds-in-showtime>
  <dsl-chipset-information>....</dsl-chipset-information>
  <dsl-statistics>....</dsl-statistics>
</dsl-information>
</physical-interface>
</interface-information>
```

**Description** Operational information and statistics for ADSL interfaces

### <dsl-information>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <dsl-information>
    <dsl-line-status>
      dsl-line-status
    </dsl-line-status>
    <dsl-line-operating-mode>
      dsl-line-operating-mode
    </dsl-line-operating-mode>
    <dsl-line-type>
      dsl-line-type
    </dsl-line-type>
    <adsl-annex-type>
      adsl-annex-type
    </adsl-annex-type>
    <adsl-last-fail-code>
      adsl-last-fail-code
    </adsl-last-fail-code>
    <adsl-subfunction>
      adsl-subfunction
    </adsl-subfunction>
    <adsl-seconds-in-showtime>
      adsl-seconds-in-showtime
    </adsl-seconds-in-showtime>
    <dsl-chipset-information>....</dsl-chipset-information>
    <dsl-statistics>....</dsl-statistics>
  </dsl-information>
</physical-interface>
</interface-filter-information>
```

**Description** Operational information and statistics for ADSL interfaces

### <dsl-information>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <dsl-information>
    <dsl-line-status>
```

```

    dsl-line-status
  </dsl-line-status>
  <dsl-line-operating-mode>
    dsl-line-operating-mode
  </dsl-line-operating-mode>
  <dsl-line-type>
    dsl-line-type
  </dsl-line-type>
  <adsl-annex-type>
    adsl-annex-type
  </adsl-annex-type>
  <adsl-last-fail-code>
    adsl-last-fail-code
  </adsl-last-fail-code>
  <adsl-subfunction>
    adsl-subfunction
  </adsl-subfunction>
  <adsl-seconds-in-showtime>
    adsl-seconds-in-showtime
  </adsl-seconds-in-showtime>
  <dsl-chipset-information>....</dsl-chipset-information>
  <dsl-statistics>....</dsl-statistics>
</dsl-information>
</physical-interface>
</interface-policer-information>

```

**Description** Operational information and statistics for ADSL interfaces

## <dsl-statistics>

### Usage

```

<dsl-information>
  <dsl-statistics>
    <near-end-attainable-bitrate>
      near-end-attainable-bitrate
    </near-end-attainable-bitrate>
    <far-end-attainable-bitrate>
      far-end-attainable-bitrate
    </far-end-attainable-bitrate>
    <near-end-attenuation>
      near-end-attenuation
    </near-end-attenuation>
    <far-end-attenuation>
      far-end-attenuation
    </far-end-attenuation>
    <near-end-capacity-used>
      near-end-capacity-used
    </near-end-capacity-used>
    <far-end-capacity-used>
      far-end-capacity-used
    </far-end-capacity-used>
    <near-end-noise-margin>
      near-end-noise-margin
    </near-end-noise-margin>
  </dsl-statistics>
</dsl-information>

```

```
<far-end-noise-margin>
  far-end-noise-margin
</far-end-noise-margin>
<near-end-output-power>
  near-end-output-power
</near-end-output-power>
<far-end-output-power>
  far-end-output-power
</far-end-output-power>
<interleaved-rx-cells>
  interleaved-rx-cells
</interleaved-rx-cells>
<fast-rx-cells>
  fast-rx-cells
</fast-rx-cells>
<interleaved-tx-cells>
  interleaved-tx-cells
</interleaved-tx-cells>
<fast-tx-cells>
  fast-tx-cells
</fast-tx-cells>
<near-end-interleaved-bitrate>
  near-end-interleaved-bitrate
</near-end-interleaved-bitrate>
<near-end-fast-bitrate>
  near-end-fast-bitrate
</near-end-fast-bitrate>
<far-end-interleaved-bitrate>
  far-end-interleaved-bitrate
</far-end-interleaved-bitrate>
<far-end-fast-bitrate>
  far-end-fast-bitrate
</far-end-fast-bitrate>
<near-end-interleaved-crc>
  near-end-interleaved-crc
</near-end-interleaved-crc>
<near-end-fast-crc>
  near-end-fast-crc
</near-end-fast-crc>
<far-end-interleaved-crc>
  far-end-interleaved-crc
</far-end-interleaved-crc>
<far-end-fast-crc>
  far-end-fast-crc
</far-end-fast-crc>
<near-end-interleaved-hec>
  near-end-interleaved-hec
</near-end-interleaved-hec>
<near-end-fast-hec>
  near-end-fast-hec
</near-end-fast-hec>
<far-end-interleaved-hec>
  far-end-interleaved-hec
</far-end-interleaved-hec>
<far-end-fast-hec>
  far-end-fast-hec
```



```

</far-end-fast-hec>
<near-end-interleaved-fec>
  near-end-interleaved-fec
</near-end-interleaved-fec>
<near-end-fast-fec>
  near-end-fast-fec
</near-end-fast-fec>
<far-end-interleaved-fec>
  far-end-interleaved-fec
</far-end-interleaved-fec>
<far-end-fast-fec>
  far-end-fast-fec
</far-end-fast-fec>
<near-end-interleaved-rx-cells>
  near-end-interleaved-rx-cells
</near-end-interleaved-rx-cells>
<near-end-fast-rx-cells>
  near-end-fast-rx-cells
</near-end-fast-rx-cells>
<near-end-interleaved-tx-cells>
  near-end-interleaved-tx-cells
</near-end-interleaved-tx-cells>
<near-end-fast-tx-cells>
  near-end-fast-tx-cells
</near-end-fast-tx-cells>
</dsl-statistics>
</dsl-information>

```

## Description

### <dsl-statistics>

#### Usage

```

<physical-interface>
  <dsl-information>
    <dsl-statistics>
      <near-end-attainable-bitrate>
        near-end-attainable-bitrate
      </near-end-attainable-bitrate>
      <far-end-attainable-bitrate>
        far-end-attainable-bitrate
      </far-end-attainable-bitrate>
      <near-end-attenuation>
        near-end-attenuation
      </near-end-attenuation>
      <far-end-attenuation>
        far-end-attenuation
      </far-end-attenuation>
      <near-end-capacity-used>
        near-end-capacity-used
      </near-end-capacity-used>
      <far-end-capacity-used>
        far-end-capacity-used
      </far-end-capacity-used>
      <near-end-noise-margin>

```

```
    near-end-noise-margin
  </near-end-noise-margin>
  <far-end-noise-margin>
    far-end-noise-margin
  </far-end-noise-margin>
  <near-end-output-power>
    near-end-output-power
  </near-end-output-power>
  <far-end-output-power>
    far-end-output-power
  </far-end-output-power>
  <interleaved-rx-cells>
    interleaved-rx-cells
  </interleaved-rx-cells>
  <fast-rx-cells>
    fast-rx-cells
  </fast-rx-cells>
  <interleaved-tx-cells>
    interleaved-tx-cells
  </interleaved-tx-cells>
  <fast-tx-cells>
    fast-tx-cells
  </fast-tx-cells>
  <near-end-interleaved-bitrate>
    near-end-interleaved-bitrate
  </near-end-interleaved-bitrate>
  <near-end-fast-bitrate>
    near-end-fast-bitrate
  </near-end-fast-bitrate>
  <far-end-interleaved-bitrate>
    far-end-interleaved-bitrate
  </far-end-interleaved-bitrate>
  <far-end-fast-bitrate>
    far-end-fast-bitrate
  </far-end-fast-bitrate>
  <near-end-interleaved-crc>
    near-end-interleaved-crc
  </near-end-interleaved-crc>
  <near-end-fast-crc>
    near-end-fast-crc
  </near-end-fast-crc>
  <far-end-interleaved-crc>
    far-end-interleaved-crc
  </far-end-interleaved-crc>
  <far-end-fast-crc>
    far-end-fast-crc
  </far-end-fast-crc>
  <near-end-interleaved-hec>
    near-end-interleaved-hec
  </near-end-interleaved-hec>
  <near-end-fast-hec>
    near-end-fast-hec
  </near-end-fast-hec>
  <far-end-interleaved-hec>
    far-end-interleaved-hec
  </far-end-interleaved-hec>
```

```

<far-end-fast-hec>
  far-end-fast-hec
</far-end-fast-hec>
<near-end-interleaved-fec>
  near-end-interleaved-fec
</near-end-interleaved-fec>
<near-end-fast-fec>
  near-end-fast-fec
</near-end-fast-fec>
<far-end-interleaved-fec>
  far-end-interleaved-fec
</far-end-interleaved-fec>
<far-end-fast-fec>
  far-end-fast-fec
</far-end-fast-fec>
<near-end-interleaved-rx-cells>
  near-end-interleaved-rx-cells
</near-end-interleaved-rx-cells>
<near-end-fast-rx-cells>
  near-end-fast-rx-cells
</near-end-fast-rx-cells>
<near-end-interleaved-tx-cells>
  near-end-interleaved-tx-cells
</near-end-interleaved-tx-cells>
<near-end-fast-tx-cells>
  near-end-fast-tx-cells
</near-end-fast-tx-cells>
</dsl-statistics>
</dsl-information>
</physical-interface>

```

## Description

### <dsl-statistics>

#### Usage

```

<interface-information>
<physical-interface>
<dsl-information>
  <dsl-statistics>
    <near-end-attainable-bitrate>
      near-end-attainable-bitrate
    </near-end-attainable-bitrate>
    <far-end-attainable-bitrate>
      far-end-attainable-bitrate
    </far-end-attainable-bitrate>
    <near-end-attenuation>
      near-end-attenuation
    </near-end-attenuation>
    <far-end-attenuation>
      far-end-attenuation
    </far-end-attenuation>
    <near-end-capacity-used>
      near-end-capacity-used
    </near-end-capacity-used>
  </dsl-statistics>
</dsl-information>
</physical-interface>

```

```
<far-end-capacity-used>
  far-end-capacity-used
</far-end-capacity-used>
<near-end-noise-margin>
  near-end-noise-margin
</near-end-noise-margin>
<far-end-noise-margin>
  far-end-noise-margin
</far-end-noise-margin>
<near-end-output-power>
  near-end-output-power
</near-end-output-power>
<far-end-output-power>
  far-end-output-power
</far-end-output-power>
<interleaved-rx-cells>
  interleaved-rx-cells
</interleaved-rx-cells>
<fast-rx-cells>
  fast-rx-cells
</fast-rx-cells>
<interleaved-tx-cells>
  interleaved-tx-cells
</interleaved-tx-cells>
<fast-tx-cells>
  fast-tx-cells
</fast-tx-cells>
<near-end-interleaved-bitrate>
  near-end-interleaved-bitrate
</near-end-interleaved-bitrate>
<near-end-fast-bitrate>
  near-end-fast-bitrate
</near-end-fast-bitrate>
<far-end-interleaved-bitrate>
  far-end-interleaved-bitrate
</far-end-interleaved-bitrate>
<far-end-fast-bitrate>
  far-end-fast-bitrate
</far-end-fast-bitrate>
<near-end-interleaved-crc>
  near-end-interleaved-crc
</near-end-interleaved-crc>
<near-end-fast-crc>
  near-end-fast-crc
</near-end-fast-crc>
<far-end-interleaved-crc>
  far-end-interleaved-crc
</far-end-interleaved-crc>
<far-end-fast-crc>
  far-end-fast-crc
</far-end-fast-crc>
<near-end-interleaved-hec>
  near-end-interleaved-hec
</near-end-interleaved-hec>
<near-end-fast-hec>
  near-end-fast-hec
```

```

</near-end-fast-hec>
<far-end-interleaved-hec>
  far-end-interleaved-hec
</far-end-interleaved-hec>
<far-end-fast-hec>
  far-end-fast-hec
</far-end-fast-hec>
<near-end-interleaved-fec>
  near-end-interleaved-fec
</near-end-interleaved-fec>
<near-end-fast-fec>
  near-end-fast-fec
</near-end-fast-fec>
<far-end-interleaved-fec>
  far-end-interleaved-fec
</far-end-interleaved-fec>
<far-end-fast-fec>
  far-end-fast-fec
</far-end-fast-fec>
<near-end-interleaved-rx-cells>
  near-end-interleaved-rx-cells
</near-end-interleaved-rx-cells>
<near-end-fast-rx-cells>
  near-end-fast-rx-cells
</near-end-fast-rx-cells>
<near-end-interleaved-tx-cells>
  near-end-interleaved-tx-cells
</near-end-interleaved-tx-cells>
<near-end-fast-tx-cells>
  near-end-fast-tx-cells
</near-end-fast-tx-cells>
</dsl-statistics>
</dsl-information>
</physical-interface>
</interface-information>

```

## Description

### <dsl-statistics>

#### Usage

```

<interface-filter-information>
<physical-interface>
<dsl-information>
  <dsl-statistics>
    <near-end-attainable-bitrate>
      near-end-attainable-bitrate
    </near-end-attainable-bitrate>
    <far-end-attainable-bitrate>
      far-end-attainable-bitrate
    </far-end-attainable-bitrate>
    <near-end-attenuation>
      near-end-attenuation
    </near-end-attenuation>
    <far-end-attenuation>

```

```
    far-end-attenuation
  </far-end-attenuation>
  <near-end-capacity-used>
    near-end-capacity-used
  </near-end-capacity-used>
  <far-end-capacity-used>
    far-end-capacity-used
  </far-end-capacity-used>
  <near-end-noise-margin>
    near-end-noise-margin
  </near-end-noise-margin>
  <far-end-noise-margin>
    far-end-noise-margin
  </far-end-noise-margin>
  <near-end-output-power>
    near-end-output-power
  </near-end-output-power>
  <far-end-output-power>
    far-end-output-power
  </far-end-output-power>
  <interleaved-rx-cells>
    interleaved-rx-cells
  </interleaved-rx-cells>
  <fast-rx-cells>
    fast-rx-cells
  </fast-rx-cells>
  <interleaved-tx-cells>
    interleaved-tx-cells
  </interleaved-tx-cells>
  <fast-tx-cells>
    fast-tx-cells
  </fast-tx-cells>
  <near-end-interleaved-bitrate>
    near-end-interleaved-bitrate
  </near-end-interleaved-bitrate>
  <near-end-fast-bitrate>
    near-end-fast-bitrate
  </near-end-fast-bitrate>
  <far-end-interleaved-bitrate>
    far-end-interleaved-bitrate
  </far-end-interleaved-bitrate>
  <far-end-fast-bitrate>
    far-end-fast-bitrate
  </far-end-fast-bitrate>
  <near-end-interleaved-crc>
    near-end-interleaved-crc
  </near-end-interleaved-crc>
  <near-end-fast-crc>
    near-end-fast-crc
  </near-end-fast-crc>
  <far-end-interleaved-crc>
    far-end-interleaved-crc
  </far-end-interleaved-crc>
  <far-end-fast-crc>
    far-end-fast-crc
  </far-end-fast-crc>
```

```

<near-end-interleaved-hec>
  near-end-interleaved-hec
</near-end-interleaved-hec>
<near-end-fast-hec>
  near-end-fast-hec
</near-end-fast-hec>
<far-end-interleaved-hec>
  far-end-interleaved-hec
</far-end-interleaved-hec>
<far-end-fast-hec>
  far-end-fast-hec
</far-end-fast-hec>
<near-end-interleaved-fec>
  near-end-interleaved-fec
</near-end-interleaved-fec>
<near-end-fast-fec>
  near-end-fast-fec
</near-end-fast-fec>
<far-end-interleaved-fec>
  far-end-interleaved-fec
</far-end-interleaved-fec>
<far-end-fast-fec>
  far-end-fast-fec
</far-end-fast-fec>
<near-end-interleaved-rx-cells>
  near-end-interleaved-rx-cells
</near-end-interleaved-rx-cells>
<near-end-fast-rx-cells>
  near-end-fast-rx-cells
</near-end-fast-rx-cells>
<near-end-interleaved-tx-cells>
  near-end-interleaved-tx-cells
</near-end-interleaved-tx-cells>
<near-end-fast-tx-cells>
  near-end-fast-tx-cells
</near-end-fast-tx-cells>
</dsl-statistics>
</dsl-information>
</physical-interface>
</interface-filter-information>

```

## Description

### <dsl-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <dsl-information>
      <dsl-statistics>
        <near-end-attainable-bitrate>
          near-end-attainable-bitrate
        </near-end-attainable-bitrate>
        <far-end-attainable-bitrate>
          far-end-attainable-bitrate

```

```
</far-end-attainable-bitrate>
<near-end-attenuation>
  near-end-attenuation
</near-end-attenuation>
<far-end-attenuation>
  far-end-attenuation
</far-end-attenuation>
<near-end-capacity-used>
  near-end-capacity-used
</near-end-capacity-used>
<far-end-capacity-used>
  far-end-capacity-used
</far-end-capacity-used>
<near-end-noise-margin>
  near-end-noise-margin
</near-end-noise-margin>
<far-end-noise-margin>
  far-end-noise-margin
</far-end-noise-margin>
<near-end-output-power>
  near-end-output-power
</near-end-output-power>
<far-end-output-power>
  far-end-output-power
</far-end-output-power>
<interleaved-rx-cells>
  interleaved-rx-cells
</interleaved-rx-cells>
<fast-rx-cells>
  fast-rx-cells
</fast-rx-cells>
<interleaved-tx-cells>
  interleaved-tx-cells
</interleaved-tx-cells>
<fast-tx-cells>
  fast-tx-cells
</fast-tx-cells>
<near-end-interleaved-bitrate>
  near-end-interleaved-bitrate
</near-end-interleaved-bitrate>
<near-end-fast-bitrate>
  near-end-fast-bitrate
</near-end-fast-bitrate>
<far-end-interleaved-bitrate>
  far-end-interleaved-bitrate
</far-end-interleaved-bitrate>
<far-end-fast-bitrate>
  far-end-fast-bitrate
</far-end-fast-bitrate>
<near-end-interleaved-crc>
  near-end-interleaved-crc
</near-end-interleaved-crc>
<near-end-fast-crc>
  near-end-fast-crc
</near-end-fast-crc>
<far-end-interleaved-crc>
```



```

    far-end-interleaved-crc
  </far-end-interleaved-crc>
  <far-end-fast-crc>
    far-end-fast-crc
  </far-end-fast-crc>
  <near-end-interleaved-hec>
    near-end-interleaved-hec
  </near-end-interleaved-hec>
  <near-end-fast-hec>
    near-end-fast-hec
  </near-end-fast-hec>
  <far-end-interleaved-hec>
    far-end-interleaved-hec
  </far-end-interleaved-hec>
  <far-end-fast-hec>
    far-end-fast-hec
  </far-end-fast-hec>
  <near-end-interleaved-fec>
    near-end-interleaved-fec
  </near-end-interleaved-fec>
  <near-end-fast-fec>
    near-end-fast-fec
  </near-end-fast-fec>
  <far-end-interleaved-fec>
    far-end-interleaved-fec
  </far-end-interleaved-fec>
  <far-end-fast-fec>
    far-end-fast-fec
  </far-end-fast-fec>
  <near-end-interleaved-rx-cells>
    near-end-interleaved-rx-cells
  </near-end-interleaved-rx-cells>
  <near-end-fast-rx-cells>
    near-end-fast-rx-cells
  </near-end-fast-rx-cells>
  <near-end-interleaved-tx-cells>
    near-end-interleaved-tx-cells
  </near-end-interleaved-tx-cells>
  <near-end-fast-tx-cells>
    near-end-fast-tx-cells
  </near-end-fast-tx-cells>
</dsl-statistics>
</dsl-information>
</physical-interface>
</interface-policer-information>

```

## Description

**<dsu-information>**

## Usage

```

<dsu-information>
  <dsu-compatibility-mode>
    dsu-compatibility-mode
  </dsu-compatibility-mode>

```

```
<dsu-scrambler>
  dsu-scrambler
</dsu-scrambler>
<dsu-subrate>
  dsu-subrate
</dsu-subrate>
<feac-loopback>
  feac-loopback
</feac-loopback>
<feac-response>
  feac-response
</feac-response>
<feac-count>
  feac-count
</feac-count>
</dsu-information>
```

**Description** DSU configuration and statistics

#### <dsu-information>

##### Usage

```
<physical-interface>
  <dsu-information>
    <dsu-compatibility-mode>
      dsu-compatibility-mode
    </dsu-compatibility-mode>
    <dsu-scrambler>
      dsu-scrambler
    </dsu-scrambler>
    <dsu-subrate>
      dsu-subrate
    </dsu-subrate>
    <feac-loopback>
      feac-loopback
    </feac-loopback>
    <feac-response>
      feac-response
    </feac-response>
    <feac-count>
      feac-count
    </feac-count>
  </dsu-information>
</physical-interface>
```

**Description** DSU configuration and statistics

#### <dsu-information>

##### Usage

```
<interface-information>
  <physical-interface>
```

```

<dsu-information>
  <dsu-compatibility-mode>
    dsu-compatibility-mode
  </dsu-compatibility-mode>
  <dsu-scrambler>
    dsu-scrambler
  </dsu-scrambler>
  <dsu-subrate>
    dsu-subrate
  </dsu-subrate>
  <feac-loopback>
    feac-loopback
  </feac-loopback>
  <feac-response>
    feac-response
  </feac-response>
  <feac-count>
    feac-count
  </feac-count>
</dsu-information>
</physical-interface>
</interface-information>

```

**Description** DSU configuration and statistics

## <dsu-information>

### Usage

```

<interface-filter-information>
  <physical-interface>
    <dsu-information>
      <dsu-compatibility-mode>
        dsu-compatibility-mode
      </dsu-compatibility-mode>
      <dsu-scrambler>
        dsu-scrambler
      </dsu-scrambler>
      <dsu-subrate>
        dsu-subrate
      </dsu-subrate>
      <feac-loopback>
        feac-loopback
      </feac-loopback>
      <feac-response>
        feac-response
      </feac-response>
      <feac-count>
        feac-count
      </feac-count>
    </dsu-information>
  </physical-interface>
</interface-filter-information>

```

**Description** DSU configuration and statistics

### <dsu-information>

**Usage**

```
<interface-policer-information>
  <physical-interface>
    <dsu-information>
      <dsu-compatibility-mode>
        dsu-compatibility-mode
      </dsu-compatibility-mode>
      <dsu-scrambler>
        dsu-scrambler
      </dsu-scrambler>
      <dsu-subrate>
        dsu-subrate
      </dsu-subrate>
      <feac-loopback>
        feac-loopback
      </feac-loopback>
      <feac-response>
        feac-response
      </feac-response>
      <feac-count>
        feac-count
      </feac-count>
    </dsu-information>
  </physical-interface>
</interface-policer-information>
```

**Description** DSU configuration and statistics

### <dtr-circuit>

**Usage**

```
<serial-information>
  <dtr-circuit>
    <dtr-circuit-mode>
      dtr-circuit-mode
    </dtr-circuit-mode>
  </dtr-circuit>
</serial-information>
```

**Description**

### <dtr-circuit>

**Usage**

```
<physical-interface>
  <serial-information>
    <dtr-circuit>
      <dtr-circuit-mode>
        dtr-circuit-mode
      </dtr-circuit-mode>
    </dtr-circuit>
  </serial-information>
</physical-interface>
```

```

        </dtr-circuit-mode>
      </dtr-circuit>
    </serial-information>
  </physical-interface>

```

#### Description

**<dtr-circuit>**

#### Usage

```

<interface-information>
  <physical-interface>
    <serial-information>
      <dtr-circuit>
        <dtr-circuit-mode>
          dtr-circuit-mode
        </dtr-circuit-mode>
      </dtr-circuit>
    </serial-information>
  </physical-interface>
</interface-information>

```

#### Description

**<dtr-circuit>**

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <serial-information>
      <dtr-circuit>
        <dtr-circuit-mode>
          dtr-circuit-mode
        </dtr-circuit-mode>
      </dtr-circuit>
    </serial-information>
  </physical-interface>
</interface-filter-information>

```

#### Description

**<dtr-circuit>**

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <serial-information>
      <dtr-circuit>
        <dtr-circuit-mode>
          dtr-circuit-mode
        </dtr-circuit-mode>
      </dtr-circuit>
    </serial-information>
  </physical-interface>
</interface-policer-information>

```

```
</physical-interface>
</interface-policer-information>
```

## Description

### <e3-bert-information>

#### Usage

```
<e3-bert-information>
  <e3-bert-period>
    e3-bert-period
  </e3-bert-period>
  <e3-bert-elapsed>
    e3-bert-elapsed
  </e3-bert-elapsed>
  <e3-bert-status>
    e3-bert-status
  </e3-bert-status>
  <e3-bert-algorithm>
    e3-bert-algorithm
  </e3-bert-algorithm>
  <e3-bert-error-rate>
    e3-bert-error-rate
  </e3-bert-error-rate>
  <e3-bert-induced-error-rate>
    e3-bert-induced-error-rate
  </e3-bert-induced-error-rate>
  <e3-bert-bit-count>
    e3-bert-bit-count
  </e3-bert-bit-count>
  <e3-bert-bit-count-overflow>
    e3-bert-bit-count-overflow
  </e3-bert-bit-count-overflow>
  <e3-bert-error-bit-count>
    e3-bert-error-bit-count
  </e3-bert-error-bit-count>
  <e3-bert-error-bit-count-overflow>
    e3-bert-error-bit-count-overflow
  </e3-bert-error-bit-count-overflow>
  <e3-bert-los-status>
    e3-bert-los-status
  </e3-bert-los-status>
  <e3-bert-los-count>
    e3-bert-los-count
  </e3-bert-los-count>
  <e3-bert-los-seconds>
    e3-bert-los-seconds
  </e3-bert-los-seconds>
</e3-bert-information>
```

**Description** E3 BERT configuration and statistics

**<e3-bert-information>****Usage**

```

<physical-interface>
  <e3-bert-information>
    <e3-bert-period>
      e3-bert-period
    </e3-bert-period>
    <e3-bert-elapsed>
      e3-bert-elapsed
    </e3-bert-elapsed>
    <e3-bert-status>
      e3-bert-status
    </e3-bert-status>
    <e3-bert-algorithm>
      e3-bert-algorithm
    </e3-bert-algorithm>
    <e3-bert-error-rate>
      e3-bert-error-rate
    </e3-bert-error-rate>
    <e3-bert-induced-error-rate>
      e3-bert-induced-error-rate
    </e3-bert-induced-error-rate>
    <e3-bert-bit-count>
      e3-bert-bit-count
    </e3-bert-bit-count>
    <e3-bert-bit-count-overflow>
      e3-bert-bit-count-overflow
    </e3-bert-bit-count-overflow>
    <e3-bert-error-bit-count>
      e3-bert-error-bit-count
    </e3-bert-error-bit-count>
    <e3-bert-error-bit-count-overflow>
      e3-bert-error-bit-count-overflow
    </e3-bert-error-bit-count-overflow>
    <e3-bert-los-status>
      e3-bert-los-status
    </e3-bert-los-status>
    <e3-bert-los-count>
      e3-bert-los-count
    </e3-bert-los-count>
    <e3-bert-los-seconds>
      e3-bert-los-seconds
    </e3-bert-los-seconds>
  </e3-bert-information>
</physical-interface>

```

**Description** E3 BERT configuration and statistics

**<e3-bert-information>****Usage**

```

<interface-information>

```

```
<physical-interface>
  <e3-bert-information>
    <e3-bert-period>
      e3-bert-period
    </e3-bert-period>
    <e3-bert-elapsed>
      e3-bert-elapsed
    </e3-bert-elapsed>
    <e3-bert-status>
      e3-bert-status
    </e3-bert-status>
    <e3-bert-algorithm>
      e3-bert-algorithm
    </e3-bert-algorithm>
    <e3-bert-error-rate>
      e3-bert-error-rate
    </e3-bert-error-rate>
    <e3-bert-induced-error-rate>
      e3-bert-induced-error-rate
    </e3-bert-induced-error-rate>
    <e3-bert-bit-count>
      e3-bert-bit-count
    </e3-bert-bit-count>
    <e3-bert-bit-count-overflow>
      e3-bert-bit-count-overflow
    </e3-bert-bit-count-overflow>
    <e3-bert-error-bit-count>
      e3-bert-error-bit-count
    </e3-bert-error-bit-count>
    <e3-bert-error-bit-count-overflow>
      e3-bert-error-bit-count-overflow
    </e3-bert-error-bit-count-overflow>
    <e3-bert-los-status>
      e3-bert-los-status
    </e3-bert-los-status>
    <e3-bert-los-count>
      e3-bert-los-count
    </e3-bert-los-count>
    <e3-bert-los-seconds>
      e3-bert-los-seconds
    </e3-bert-los-seconds>
  </e3-bert-information>
</physical-interface>
</interface-information>
```

**Description** E3 BERT configuration and statistics

### <e3-bert-information>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <e3-bert-information>
      <e3-bert-period>
```



```

    e3-bert-period
  </e3-bert-period>
  <e3-bert-elapsed>
    e3-bert-elapsed
  </e3-bert-elapsed>
  <e3-bert-status>
    e3-bert-status
  </e3-bert-status>
  <e3-bert-algorithm>
    e3-bert-algorithm
  </e3-bert-algorithm>
  <e3-bert-error-rate>
    e3-bert-error-rate
  </e3-bert-error-rate>
  <e3-bert-induced-error-rate>
    e3-bert-induced-error-rate
  </e3-bert-induced-error-rate>
  <e3-bert-bit-count>
    e3-bert-bit-count
  </e3-bert-bit-count>
  <e3-bert-bit-count-overflow>
    e3-bert-bit-count-overflow
  </e3-bert-bit-count-overflow>
  <e3-bert-error-bit-count>
    e3-bert-error-bit-count
  </e3-bert-error-bit-count>
  <e3-bert-error-bit-count-overflow>
    e3-bert-error-bit-count-overflow
  </e3-bert-error-bit-count-overflow>
  <e3-bert-los-status>
    e3-bert-los-status
  </e3-bert-los-status>
  <e3-bert-los-count>
    e3-bert-los-count
  </e3-bert-los-count>
  <e3-bert-los-seconds>
    e3-bert-los-seconds
  </e3-bert-los-seconds>
</e3-bert-information>
</physical-interface>
</interface-filter-information>

```

**Description** E3 BERT configuration and statistics

### <e3-bert-information>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <e3-bert-information>
      <e3-bert-period>
        e3-bert-period
      </e3-bert-period>
      <e3-bert-elapsed>

```

```
    e3-bert-elapsed
  </e3-bert-elapsed>
  <e3-bert-status>
    e3-bert-status
  </e3-bert-status>
  <e3-bert-algorithm>
    e3-bert-algorithm
  </e3-bert-algorithm>
  <e3-bert-error-rate>
    e3-bert-error-rate
  </e3-bert-error-rate>
  <e3-bert-induced-error-rate>
    e3-bert-induced-error-rate
  </e3-bert-induced-error-rate>
  <e3-bert-bit-count>
    e3-bert-bit-count
  </e3-bert-bit-count>
  <e3-bert-bit-count-overflow>
    e3-bert-bit-count-overflow
  </e3-bert-bit-count-overflow>
  <e3-bert-error-bit-count>
    e3-bert-error-bit-count
  </e3-bert-error-bit-count>
  <e3-bert-error-bit-count-overflow>
    e3-bert-error-bit-count-overflow
  </e3-bert-error-bit-count-overflow>
  <e3-bert-los-status>
    e3-bert-los-status
  </e3-bert-los-status>
  <e3-bert-los-count>
    e3-bert-los-count
  </e3-bert-los-count>
  <e3-bert-los-seconds>
    e3-bert-los-seconds
  </e3-bert-los-seconds>
</e3-bert-information>
</physical-interface>
</interface-policer-information>
```

**Description** E3 BERT configuration and statistics

## <eia530-control-signal>

### Usage

```
<serial-information>
  <eia530-control-signal>
    <mode>
      mode
    </mode>
    <to-dce>....</to-dce>
    <from-dce>....</from-dce>
    <to-dte>....</to-dte>
    <from-dte>....</from-dte>
  </eia530-control-signal>
```

```
</serial-information>
```

#### Description

**<eia530-control-signal>**

#### Usage

```
<physical-interface>
  <serial-information>
    <eia530-control-signal>
      <mode>
        mode
      </mode>
      <to-dce>....</to-dce>
      <from-dce>....</from-dce>
      <to-dte>....</to-dte>
      <from-dte>....</from-dte>
    </eia530-control-signal>
  </serial-information>
</physical-interface>
```

#### Description

**<eia530-control-signal>**

#### Usage

```
<interface-information>
  <physical-interface>
    <serial-information>
      <eia530-control-signal>
        <mode>
          mode
        </mode>
        <to-dce>....</to-dce>
        <from-dce>....</from-dce>
        <to-dte>....</to-dte>
        <from-dte>....</from-dte>
      </eia530-control-signal>
    </serial-information>
  </physical-interface>
</interface-information>
```

#### Description

**<eia530-control-signal>**

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <serial-information>
      <eia530-control-signal>
        <mode>
          mode
        </mode>
      </eia530-control-signal>
    </serial-information>
  </physical-interface>
</interface-filter-information>
```

```
</mode>
<to-dce>....</to-dce>
<from-dce>....</from-dce>
<to-dte>....</to-dte>
<from-dte>....</from-dte>
</eia530-control-signal>
</serial-information>
</physical-interface>
</interface-filter-information>
```

## Description

### <eia530-control-signal>

#### Usage

```
<interface-policer-information>
<physical-interface>
<serial-information>
<eia530-control-signal>
<mode>
  mode
</mode>
<to-dce>....</to-dce>
<from-dce>....</from-dce>
<to-dte>....</to-dte>
<from-dte>....</from-dte>
</eia530-control-signal>
</serial-information>
</physical-interface>
</interface-policer-information>
```

## Description

### <eia530-signal-polarity>

#### Usage

```
<serial-information>
<eia530-signal-polarity>
<dtr-polarity>
  dtr-polarity
</dtr-polarity>
<rts-polarity>
  rts-polarity
</rts-polarity>
<dcd-polarity>
  dcd-polarity
</dcd-polarity>
<dsr-polarity>
  dsr-polarity
</dsr-polarity>
<cts-polarity>
  cts-polarity
</cts-polarity>
<tm-polarity>
```

```

    tm-polarity
  </tm-polarity>
</eia530-signal-polarity>
</serial-information>

```

#### Description

**<eia530-signal-polarity>**

#### Usage

```

<physical-interface>
  <serial-information>
    <eia530-signal-polarity>
      <dtr-polarity>
        dtr-polarity
      </dtr-polarity>
      <rts-polarity>
        rts-polarity
      </rts-polarity>
      <dcd-polarity>
        dcd-polarity
      </dcd-polarity>
      <dsr-polarity>
        dsr-polarity
      </dsr-polarity>
      <cts-polarity>
        cts-polarity
      </cts-polarity>
      <tm-polarity>
        tm-polarity
      </tm-polarity>
    </eia530-signal-polarity>
  </serial-information>
</physical-interface>

```

#### Description

**<eia530-signal-polarity>**

#### Usage

```

<interface-information>
  <physical-interface>
    <serial-information>
      <eia530-signal-polarity>
        <dtr-polarity>
          dtr-polarity
        </dtr-polarity>
        <rts-polarity>
          rts-polarity
        </rts-polarity>
        <dcd-polarity>
          dcd-polarity
        </dcd-polarity>
        <dsr-polarity>

```

```
    dsr-polarity
  </dsr-polarity>
  <cts-polarity>
    cts-polarity
  </cts-polarity>
  <tm-polarity>
    tm-polarity
  </tm-polarity>
</eia530-signal-polarity>
</serial-information>
</physical-interface>
</interface-information>
```

#### Description

<eia530-signal-polarity>

#### Usage

```
<interface-filter-information>
<physical-interface>
<serial-information>
  <eia530-signal-polarity>
    <dtr-polarity>
      dtr-polarity
    </dtr-polarity>
    <rts-polarity>
      rts-polarity
    </rts-polarity>
    <dcd-polarity>
      dcd-polarity
    </dcd-polarity>
    <dsr-polarity>
      dsr-polarity
    </dsr-polarity>
    <cts-polarity>
      cts-polarity
    </cts-polarity>
    <tm-polarity>
      tm-polarity
    </tm-polarity>
  </eia530-signal-polarity>
</serial-information>
</physical-interface>
</interface-filter-information>
```

#### Description

<eia530-signal-polarity>

#### Usage

```
<interface-policer-information>
<physical-interface>
<serial-information>
  <eia530-signal-polarity>
```

```

<dtr-polarity>
  dtr-polarity
</dtr-polarity>
<rts-polarity>
  rts-polarity
</rts-polarity>
<dcd-polarity>
  dcd-polarity
</dcd-polarity>
<dsr-polarity>
  dsr-polarity
</dsr-polarity>
<cts-polarity>
  cts-polarity
</cts-polarity>
<tm-polarity>
  tm-polarity
</tm-polarity>
</eia530-signal-polarity>
</serial-information>
</physical-interface>
</interface-policer-information>

```

#### Description

#### <es-ifd-stats>

#### Usage

```

<physical-interface>
  <es-ifd-stats>
    <total-anti-replay-count>
      total-anti-replay-count
    </total-anti-replay-count>
    <total-authentication-failure-count>
      total-authentication-failure-count
    </total-authentication-failure-count>
  </es-ifd-stats>
</physical-interface>

```

**Description** ES PIC statistics

#### <es-ifd-stats>

#### Usage

```

<interface-information>
  <physical-interface>
    <es-ifd-stats>
      <total-anti-replay-count>
        total-anti-replay-count
      </total-anti-replay-count>
      <total-authentication-failure-count>
        total-authentication-failure-count
      </total-authentication-failure-count>
    </es-ifd-stats>
  </physical-interface>
</interface-information>

```

```
</es-ifd-stats>
</physical-interface>
</interface-information>
```

**Description** ES PIC statistics

### <es-ifd-stats>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <es-ifd-stats>
    <total-anti-replay-count>
      total-anti-replay-count
    </total-anti-replay-count>
    <total-authentication-failure-count>
      total-authentication-failure-count
    </total-authentication-failure-count>
  </es-ifd-stats>
</physical-interface>
</interface-filter-information>
```

**Description** ES PIC statistics

### <es-ifd-stats>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <es-ifd-stats>
    <total-anti-replay-count>
      total-anti-replay-count
    </total-anti-replay-count>
    <total-authentication-failure-count>
      total-authentication-failure-count
    </total-authentication-failure-count>
  </es-ifd-stats>
</physical-interface>
</interface-policer-information>
```

**Description** ES PIC statistics

### <eth-switching-flags>

#### Usage

```
<bridge-iff-properties>
  <eth-switching-flags>
    <eth-switching-flags-value>
      eth-switching-flags-value
    </eth-switching-flags-value>
  <no-mac-learning-status>
```



```

        no-mac-learning-status
      </no-mac-learning-status>
    </eth-switching-flags>
  </bridge-iff-properties>

```

**Description** Information about Ethernet-switching family flags

### <eth-switching-flags>

#### Usage

```

<logical-interface>
  <bridge-iff-properties>
    <eth-switching-flags>
      <eth-switching-flags-value>
        eth-switching-flags-value
      </eth-switching-flags-value>
      <no-mac-learning-status>
        no-mac-learning-status
      </no-mac-learning-status>
    </eth-switching-flags>
  </bridge-iff-properties>
</logical-interface>

```

**Description** Information about Ethernet-switching family flags

### <eth-switching-flags>

#### Usage

```

<physical-interface>
  <logical-interface>
    <bridge-iff-properties>
      <eth-switching-flags>
        <eth-switching-flags-value>
          eth-switching-flags-value
        </eth-switching-flags-value>
        <no-mac-learning-status>
          no-mac-learning-status
        </no-mac-learning-status>
      </eth-switching-flags>
    </bridge-iff-properties>
  </logical-interface>
</physical-interface>

```

**Description** Information about Ethernet-switching family flags

### <eth-switching-flags>

#### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>

```

```
<bridge-iff-properties>
  <eth-switching-flags>
    <eth-switching-flags-value>
      eth-switching-flags-value
    </eth-switching-flags-value>
    <no-mac-learning-status>
      no-mac-learning-status
    </no-mac-learning-status>
  </eth-switching-flags>
</bridge-iff-properties>
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** Information about Ethernet-switching family flags

### <eth-switching-flags>

#### Usage

```
<interface-information>
  <logical-interface>
    <bridge-iff-properties>
      <eth-switching-flags>
        <eth-switching-flags-value>
          eth-switching-flags-value
        </eth-switching-flags-value>
        <no-mac-learning-status>
          no-mac-learning-status
        </no-mac-learning-status>
      </eth-switching-flags>
    </bridge-iff-properties>
  </logical-interface>
</interface-information>
```

**Description** Information about Ethernet-switching family flags

### <eth-switching-flags>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <bridge-iff-properties>
        <eth-switching-flags>
          <eth-switching-flags-value>
            eth-switching-flags-value
          </eth-switching-flags-value>
          <no-mac-learning-status>
            no-mac-learning-status
          </no-mac-learning-status>
        </eth-switching-flags>
      </bridge-iff-properties>
```

```

    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

**Description** Information about Ethernet-switching family flags

### <eth-switching-flags>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <bridge-iff-properties>
      <eth-switching-flags>
        <eth-switching-flags-value>
          eth-switching-flags-value
        </eth-switching-flags-value>
        <no-mac-learning-status>
          no-mac-learning-status
        </no-mac-learning-status>
      </eth-switching-flags>
    </bridge-iff-properties>
  </logical-interface>
</interface-filter-information>

```

**Description** Information about Ethernet-switching family flags

### <eth-switching-flags>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <bridge-iff-properties>
        <eth-switching-flags>
          <eth-switching-flags-value>
            eth-switching-flags-value
          </eth-switching-flags-value>
          <no-mac-learning-status>
            no-mac-learning-status
          </no-mac-learning-status>
        </eth-switching-flags>
      </bridge-iff-properties>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

**Description** Information about Ethernet-switching family flags

## <eth-switching-flags>

### Usage

```
<interface-policer-information>
  <logical-interface>
    <bridge-iff-properties>
      <eth-switching-flags>
        <eth-switching-flags-value>
          eth-switching-flags-value
        </eth-switching-flags-value>
        <no-mac-learning-status>
          no-mac-learning-status
        </no-mac-learning-status>
      </eth-switching-flags>
    </bridge-iff-properties>
  </logical-interface>
</interface-policer-information>
```

**Description** Information about Ethernet-switching family flags

## <ether-policer-list>

### Usage

```
<ether-policer-list>
  <ether-policer-record>....</ether-policer-record>
</ether-policer-list>
```

### Description

## <ether-policer-list>

### Usage

```
<mac-policer-information>
  <ether-policer-list>
    <ether-policer-record>....</ether-policer-record>
  </ether-policer-list>
</mac-policer-information>
```

### Description

## <ether-policer-list>

### Usage

```
<logical-interface>
  <mac-policer-information>
    <ether-policer-list>
      <ether-policer-record>....</ether-policer-record>
    </ether-policer-list>
  </mac-policer-information>
</logical-interface>
```

**Description****<ether-policer-list>****Usage**

```

<physical-interface>
<logical-interface>
  <mac-policer-information>
    <ether-policer-list>
      <ether-policer-record>....</ether-policer-record>
    </ether-policer-list>
  </mac-policer-information>
</logical-interface>
</physical-interface>

```

**Description****<ether-policer-list>****Usage**

```

<interface-information>
<physical-interface>
<logical-interface>
  <mac-policer-information>
    <ether-policer-list>
      <ether-policer-record>....</ether-policer-record>
    </ether-policer-list>
  </mac-policer-information>
</logical-interface>
</physical-interface>
</interface-information>

```

**Description****<ether-policer-list>****Usage**

```

<interface-information>
<logical-interface>
  <mac-policer-information>
    <ether-policer-list>
      <ether-policer-record>....</ether-policer-record>
    </ether-policer-list>
  </mac-policer-information>
</logical-interface>
</interface-information>

```

**Description****<ether-policer-list>****Usage**

```

<interface-filter-information>

```

```
<physical-interface>
  <logical-interface>
    <mac-policer-information>
      <ether-policer-list>
        <ether-policer-record>....</ether-policer-record>
      </ether-policer-list>
    </mac-policer-information>
  </logical-interface>
</physical-interface>
</interface-filter-information>
```

#### Description

### <ether-policer-list>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <mac-policer-information>
      <ether-policer-list>
        <ether-policer-record>....</ether-policer-record>
      </ether-policer-list>
    </mac-policer-information>
  </logical-interface>
</interface-filter-information>
```

#### Description

### <ether-policer-list>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <mac-policer-information>
        <ether-policer-list>
          <ether-policer-record>....</ether-policer-record>
        </ether-policer-list>
      </mac-policer-information>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```

#### Description

### <ether-policer-list>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <mac-policer-information>
      <ether-policer-list>
        <ether-policer-record>....</ether-policer-record>
```

```

    </ether-policer-list>
  </mac-policer-information>
</logical-interface>
</interface-policer-information>

```

#### Description

### <ether-policer-record>

#### Usage

```

<ether-policer-list>
  <ether-policer-record>
    <policer-type>
      policer-type
    </policer-type>
    <out-of-spec-bytes>
      out-of-spec-bytes
    </out-of-spec-bytes>
    <out-of-spec-frames>
      out-of-spec-frames
    </out-of-spec-frames>
  </ether-policer-record>
</ether-policer-list>

```

#### Description

### <ether-policer-record>

#### Usage

```

<mac-policer-information>
  <ether-policer-list>
    <ether-policer-record>
      <policer-type>
        policer-type
      </policer-type>
      <out-of-spec-bytes>
        out-of-spec-bytes
      </out-of-spec-bytes>
      <out-of-spec-frames>
        out-of-spec-frames
      </out-of-spec-frames>
    </ether-policer-record>
  </ether-policer-list>
</mac-policer-information>

```

#### Description

### <ether-policer-record>

#### Usage

```

<logical-interface>
  <mac-policer-information>
    <ether-policer-list>

```

```
<ether-policer-record>
  <policer-type>
    policer-type
  </policer-type>
  <out-of-spec-bytes>
    out-of-spec-bytes
  </out-of-spec-bytes>
  <out-of-spec-frames>
    out-of-spec-frames
  </out-of-spec-frames>
</ether-policer-record>
</ether-policer-list>
</mac-policer-information>
</logical-interface>
```

#### Description

### <ether-policer-record>

#### Usage

```
<physical-interface>
<logical-interface>
  <mac-policer-information>
    <ether-policer-list>
      <ether-policer-record>
        <policer-type>
          policer-type
        </policer-type>
        <out-of-spec-bytes>
          out-of-spec-bytes
        </out-of-spec-bytes>
        <out-of-spec-frames>
          out-of-spec-frames
        </out-of-spec-frames>
      </ether-policer-record>
    </ether-policer-list>
  </mac-policer-information>
</logical-interface>
</physical-interface>
```

#### Description

### <ether-policer-record>

#### Usage

```
<interface-information>
  <physical-interface>
  <logical-interface>
    <mac-policer-information>
      <ether-policer-list>
        <ether-policer-record>
          <policer-type>
            policer-type
          </policer-type>
```



```

    <out-of-spec-bytes>
      out-of-spec-bytes
    </out-of-spec-bytes>
    <out-of-spec-frames>
      out-of-spec-frames
    </out-of-spec-frames>
  </ether-policer-record>
</ether-policer-list>
</mac-policer-information>
</logical-interface>
</physical-interface>
</interface-information>

```

### Description

#### <ether-policer-record>

##### Usage

```

<interface-information>
  <logical-interface>
    <mac-policer-information>
      <ether-policer-list>
        <ether-policer-record>
          <policer-type>
            policer-type
          </policer-type>
          <out-of-spec-bytes>
            out-of-spec-bytes
          </out-of-spec-bytes>
          <out-of-spec-frames>
            out-of-spec-frames
          </out-of-spec-frames>
        </ether-policer-record>
      </ether-policer-list>
    </mac-policer-information>
  </logical-interface>
</interface-information>

```

### Description

#### <ether-policer-record>

##### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <mac-policer-information>
        <ether-policer-list>
          <ether-policer-record>
            <policer-type>
              policer-type
            </policer-type>
            <out-of-spec-bytes>
              out-of-spec-bytes
            </out-of-spec-bytes>
          </ether-policer-record>
        </ether-policer-list>
      </mac-policer-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

```
        </out-of-spec-bytes>
        <out-of-spec-frames>
          out-of-spec-frames
        </out-of-spec-frames>
      </ether-policer-record>
    </ether-policer-list>
  </mac-policer-information>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

#### Description

### <ether-policer-record>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <mac-policer-information>
      <ether-policer-list>
        <ether-policer-record>
          <policer-type>
            policer-type
          </policer-type>
          <out-of-spec-bytes>
            out-of-spec-bytes
          </out-of-spec-bytes>
          <out-of-spec-frames>
            out-of-spec-frames
          </out-of-spec-frames>
        </ether-policer-record>
      </ether-policer-list>
    </mac-policer-information>
  </logical-interface>
</interface-filter-information>
```

#### Description

### <ether-policer-record>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <mac-policer-information>
        <ether-policer-list>
          <ether-policer-record>
            <policer-type>
              policer-type
            </policer-type>
            <out-of-spec-bytes>
              out-of-spec-bytes
            </out-of-spec-bytes>
            <out-of-spec-frames>
```

```

        out-of-spec-frames
      </out-of-spec-frames>
    </ether-policer-record>
  </ether-policer-list>
</mac-policer-information>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

#### Description

### <ether-policer-record>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <mac-policer-information>
      <ether-policer-list>
        <ether-policer-record>
          <policer-type>
            policer-type
          </policer-type>
          <out-of-spec-bytes>
            out-of-spec-bytes
          </out-of-spec-bytes>
          <out-of-spec-frames>
            out-of-spec-frames
          </out-of-spec-frames>
        </ether-policer-record>
      </ether-policer-list>
    </mac-policer-information>
  </logical-interface>
</interface-policer-information>

```

#### Description

### <ethernet-autonegotiation>

#### Usage

```

<ethernet-autonegotiation>
  <autonegotiation-status>
    autonegotiation-status
  </autonegotiation-status>
  <link-partner-status>
    link-partner-status
  </link-partner-status>
  <link-partner-reason>
    link-partner-reason
  </link-partner-reason>
  <link-partner-duplexity>
    link-partner-duplexity
  </link-partner-duplexity>
  <link-partner-speed>
    link-partner-speed

```

```
</link-partner-speed>
<flow-control>
  flow-control
</flow-control>
<local-info>....</local-info>
</ethernet-autonegotiation>
```

**Description** Ethernet autonegotiation information

### <ethernet-autonegotiation>

#### Usage

```
<jswitch-port-information>
<jswitch-port>
  <ethernet-autonegotiation>
    <autonegotiation-status>
      autonegotiation-status
    </autonegotiation-status>
    <link-partner-status>
      link-partner-status
    </link-partner-status>
    <link-partner-reason>
      link-partner-reason
    </link-partner-reason>
    <link-partner-duplexity>
      link-partner-duplexity
    </link-partner-duplexity>
    <link-partner-speed>
      link-partner-speed
    </link-partner-speed>
    <flow-control>
      flow-control
    </flow-control>
    <local-info>....</local-info>
  </ethernet-autonegotiation>
</jswitch-port>
</jswitch-port-information>
```

**Description** Ethernet autonegotiation information

### <ethernet-autonegotiation>

#### Usage

```
<physical-interface>
  <ethernet-autonegotiation>
    <autonegotiation-status>
      autonegotiation-status
    </autonegotiation-status>
    <link-partner-status>
      link-partner-status
    </link-partner-status>
    <link-partner-reason>
```

```

        link-partner-reason
      </link-partner-reason>
      <link-partner-duplexity>
        link-partner-duplexity
      </link-partner-duplexity>
      <link-partner-speed>
        link-partner-speed
      </link-partner-speed>
      <flow-control>
        flow-control
      </flow-control>
      <local-info>....</local-info>
    </ethernet-autonegotiation>
  </physical-interface>

```

**Description** Ethernet autonegotiation information

### <ethernet-autonegotiation>

#### Usage

```

<interface-information>
  <physical-interface>
    <ethernet-autonegotiation>
      <autonegotiation-status>
        autonegotiation-status
      </autonegotiation-status>
      <link-partner-status>
        link-partner-status
      </link-partner-status>
      <link-partner-reason>
        link-partner-reason
      </link-partner-reason>
      <link-partner-duplexity>
        link-partner-duplexity
      </link-partner-duplexity>
      <link-partner-speed>
        link-partner-speed
      </link-partner-speed>
      <flow-control>
        flow-control
      </flow-control>
      <local-info>....</local-info>
    </ethernet-autonegotiation>
  </physical-interface>
</interface-information>

```

**Description** Ethernet autonegotiation information

### <ethernet-autonegotiation>

#### Usage

```

<interface-filter-information>

```

```
<physical-interface>
  <ethernet-autonegotiation>
    <autonegotiation-status>
      autonegotiation-status
    </autonegotiation-status>
    <link-partner-status>
      link-partner-status
    </link-partner-status>
    <link-partner-reason>
      link-partner-reason
    </link-partner-reason>
    <link-partner-duplexity>
      link-partner-duplexity
    </link-partner-duplexity>
    <link-partner-speed>
      link-partner-speed
    </link-partner-speed>
    <flow-control>
      flow-control
    </flow-control>
    <local-info>....</local-info>
  </ethernet-autonegotiation>
</physical-interface>
</interface-filter-information>
```

**Description** Ethernet autonegotiation information

## <ethernet-autonegotiation>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <ethernet-autonegotiation>
      <autonegotiation-status>
        autonegotiation-status
      </autonegotiation-status>
      <link-partner-status>
        link-partner-status
      </link-partner-status>
      <link-partner-reason>
        link-partner-reason
      </link-partner-reason>
      <link-partner-duplexity>
        link-partner-duplexity
      </link-partner-duplexity>
      <link-partner-speed>
        link-partner-speed
      </link-partner-speed>
      <flow-control>
        flow-control
      </flow-control>
      <local-info>....</local-info>
    </ethernet-autonegotiation>
  </physical-interface>
```

```
</interface-policer-information>
```

**Description** Ethernet autonegotiation information

### <ethernet-filter-statistics>

#### Usage

```
<ethernet-filter-statistics>
  <input-packets>
    input-packets
  </input-packets>
  <input-reject-count>
    input-reject-count
  </input-reject-count>
  <input-reject-destination-address-count>
    input-reject-destination-address-count
  </input-reject-destination-address-count>
  <input-reject-source-address-count>
    input-reject-source-address-count
  </input-reject-source-address-count>
  <output-packets>
    output-packets
  </output-packets>
  <output-packet-pad-count>
    output-packet-pad-count
  </output-packet-pad-count>
  <output-packet-error-count>
    output-packet-error-count
  </output-packet-error-count>
  <cam-destination-filter-count>
    cam-destination-filter-count
  </cam-destination-filter-count>
  <cam-source-filter-count>
    cam-source-filter-count
  </cam-source-filter-count>
</ethernet-filter-statistics>
```

**Description** Ethernet filter statistics

### <ethernet-filter-statistics>

#### Usage

```
<physical-interface>
  <ethernet-filter-statistics>
    <input-packets>
      input-packets
    </input-packets>
    <input-reject-count>
      input-reject-count
    </input-reject-count>
    <input-reject-destination-address-count>
      input-reject-destination-address-count
```

```
</input-reject-destination-address-count>
<input-reject-source-address-count>
  input-reject-source-address-count
</input-reject-source-address-count>
<output-packets>
  output-packets
</output-packets>
<output-packet-pad-count>
  output-packet-pad-count
</output-packet-pad-count>
<output-packet-error-count>
  output-packet-error-count
</output-packet-error-count>
<cam-destination-filter-count>
  cam-destination-filter-count
</cam-destination-filter-count>
<cam-source-filter-count>
  cam-source-filter-count
</cam-source-filter-count>
</ethernet-filter-statistics>
</physical-interface>
```

**Description** Ethernet filter statistics

### <ethernet-filter-statistics>

#### Usage

```
<interface-information>
<physical-interface>
  <ethernet-filter-statistics>
    <input-packets>
      input-packets
    </input-packets>
    <input-reject-count>
      input-reject-count
    </input-reject-count>
    <input-reject-destination-address-count>
      input-reject-destination-address-count
    </input-reject-destination-address-count>
    <input-reject-source-address-count>
      input-reject-source-address-count
    </input-reject-source-address-count>
    <output-packets>
      output-packets
    </output-packets>
    <output-packet-pad-count>
      output-packet-pad-count
    </output-packet-pad-count>
    <output-packet-error-count>
      output-packet-error-count
    </output-packet-error-count>
    <cam-destination-filter-count>
      cam-destination-filter-count
    </cam-destination-filter-count>
```



```

    <cam-source-filter-count>
      cam-source-filter-count
    </cam-source-filter-count>
  </ethernet-filter-statistics>
</physical-interface>
</interface-information>

```

**Description** Ethernet filter statistics

### <ethernet-filter-statistics>

#### Usage

```

<interface-filter-information>
<physical-interface>
  <ethernet-filter-statistics>
    <input-packets>
      input-packets
    </input-packets>
    <input-reject-count>
      input-reject-count
    </input-reject-count>
    <input-reject-destination-address-count>
      input-reject-destination-address-count
    </input-reject-destination-address-count>
    <input-reject-source-address-count>
      input-reject-source-address-count
    </input-reject-source-address-count>
    <output-packets>
      output-packets
    </output-packets>
    <output-packet-pad-count>
      output-packet-pad-count
    </output-packet-pad-count>
    <output-packet-error-count>
      output-packet-error-count
    </output-packet-error-count>
    <cam-destination-filter-count>
      cam-destination-filter-count
    </cam-destination-filter-count>
    <cam-source-filter-count>
      cam-source-filter-count
    </cam-source-filter-count>
  </ethernet-filter-statistics>
</physical-interface>
</interface-filter-information>

```

**Description** Ethernet filter statistics

### <ethernet-filter-statistics>

#### Usage

```

<interface-policer-information>

```

```
<physical-interface>
  <ethernet-filter-statistics>
    <input-packets>
      input-packets
    </input-packets>
    <input-reject-count>
      input-reject-count
    </input-reject-count>
    <input-reject-destination-address-count>
      input-reject-destination-address-count
    </input-reject-destination-address-count>
    <input-reject-source-address-count>
      input-reject-source-address-count
    </input-reject-source-address-count>
    <output-packets>
      output-packets
    </output-packets>
    <output-packet-pad-count>
      output-packet-pad-count
    </output-packet-pad-count>
    <output-packet-error-count>
      output-packet-error-count
    </output-packet-error-count>
    <cam-destination-filter-count>
      cam-destination-filter-count
    </cam-destination-filter-count>
    <cam-source-filter-count>
      cam-source-filter-count
    </cam-source-filter-count>
  </ethernet-filter-statistics>
</physical-interface>
</interface-policer-information>
```

**Description** Ethernet filter statistics

### <ethernet-mac-pfc-statistics>

#### Usage

```
<ethernet-mac-pfc-statistics>
  <input-mac-pfc-frames>
    input-mac-pfc-frames
  </input-mac-pfc-frames>
  <mac-pfc-dot1p>
    mac-pfc-dot1p
  </mac-pfc-dot1p>
  <output-mac-pfc-frames>
    output-mac-pfc-frames
  </output-mac-pfc-frames>
</ethernet-mac-pfc-statistics>
```

**Description** Ethernet MAC Priority Flow control Statistics

**<ethernet-mac-pfc-statistics>****Usage**

```

<physical-interface>
  <ethernet-mac-pfc-statistics>
    <input-mac-pfc-frames>
      input-mac-pfc-frames
    </input-mac-pfc-frames>
    <mac-pfc-dot1p>
      mac-pfc-dot1p
    </mac-pfc-dot1p>
    <output-mac-pfc-frames>
      output-mac-pfc-frames
    </output-mac-pfc-frames>
  </ethernet-mac-pfc-statistics>
</physical-interface>

```

**Description** Ethernet MAC Priority Flow control Statistics

**<ethernet-mac-pfc-statistics>****Usage**

```

<interface-information>
  <physical-interface>
    <ethernet-mac-pfc-statistics>
      <input-mac-pfc-frames>
        input-mac-pfc-frames
      </input-mac-pfc-frames>
      <mac-pfc-dot1p>
        mac-pfc-dot1p
      </mac-pfc-dot1p>
      <output-mac-pfc-frames>
        output-mac-pfc-frames
      </output-mac-pfc-frames>
    </ethernet-mac-pfc-statistics>
  </physical-interface>
</interface-information>

```

**Description** Ethernet MAC Priority Flow control Statistics

**<ethernet-mac-pfc-statistics>****Usage**

```

<interface-filter-information>
  <physical-interface>
    <ethernet-mac-pfc-statistics>
      <input-mac-pfc-frames>
        input-mac-pfc-frames
      </input-mac-pfc-frames>
      <mac-pfc-dot1p>
        mac-pfc-dot1p
      </mac-pfc-dot1p>
    </ethernet-mac-pfc-statistics>
  </physical-interface>
</interface-filter-information>

```

```

        <output-mac-pfc-frames>
          output-mac-pfc-frames
        </output-mac-pfc-frames>
      </ethernet-mac-pfc-statistics>
    </physical-interface>
  </interface-filter-information>

```

**Description** Ethernet MAC Priority Flow control Statistics

## <ethernet-mac-pfc-statistics>

### Usage

```

<interface-policer-information>
  <physical-interface>
    <ethernet-mac-pfc-statistics>
      <input-mac-pfc-frames>
        input-mac-pfc-frames
      </input-mac-pfc-frames>
      <mac-pfc-dot1p>
        mac-pfc-dot1p
      </mac-pfc-dot1p>
      <output-mac-pfc-frames>
        output-mac-pfc-frames
      </output-mac-pfc-frames>
    </ethernet-mac-pfc-statistics>
  </physical-interface>
</interface-policer-information>

```

**Description** Ethernet MAC Priority Flow control Statistics

## <ethernet-mac-statistics>

### Usage

```

<ethernet-mac-statistics>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-packets>
    input-packets
  </input-packets>
  <input-unicasts>
    input-unicasts
  </input-unicasts>
  <input-broadcasts>
    input-broadcasts
  </input-broadcasts>
  <input-multicasts>
    input-multicasts
  </input-multicasts>
  <input-crc-errors>
    input-crc-errors
  </input-crc-errors>

```

```
<input-fifo-errors>
  input-fifo-errors
</input-fifo-errors>
<input-mac-control-frames>
  input-mac-control-frames
</input-mac-control-frames>
<input-mac-pause-frames>
  input-mac-pause-frames
</input-mac-pause-frames>
<input-oversized-frames>
  input-oversized-frames
</input-oversized-frames>
<input-undersized-frames>
  input-undersized-frames
</input-undersized-frames>
<input-jabber-frames>
  input-jabber-frames
</input-jabber-frames>
<input-fragment-frames>
  input-fragment-frames
</input-fragment-frames>
<input-vlan-tagged-frames>
  input-vlan-tagged-frames
</input-vlan-tagged-frames>
<input-code-violations>
  input-code-violations
</input-code-violations>
<input-policer-frame-drops>
  input-policer-frame-drops
</input-policer-frame-drops>
<input-policer-byte-drops>
  input-policer-byte-drops
</input-policer-byte-drops>
<output-bytes>
  output-bytes
</output-bytes>
<output-packets>
  output-packets
</output-packets>
<output-unicasts>
  output-unicasts
</output-unicasts>
<output-broadcasts>
  output-broadcasts
</output-broadcasts>
<output-multicasts>
  output-multicasts
</output-multicasts>
<output-crc-errors>
  output-crc-errors
</output-crc-errors>
<output-fifo-errors>
  output-fifo-errors
</output-fifo-errors>
<output-mac-control-frames>
  output-mac-control-frames
```

```
</output-mac-control-frames>
<output-mac-pause-frames>
  output-mac-pause-frames
</output-mac-pause-frames>
</ethernet-mac-statistics>
```

**Description** Ethernet MAC statistics

### <ethernet-mac-statistics>

#### Usage

```
<jswitch-port-information>
<jswitch-port>
  <ethernet-mac-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <input-unicasts>
      input-unicasts
    </input-unicasts>
    <input-broadcasts>
      input-broadcasts
    </input-broadcasts>
    <input-multicasts>
      input-multicasts
    </input-multicasts>
    <input-crc-errors>
      input-crc-errors
    </input-crc-errors>
    <input-fifo-errors>
      input-fifo-errors
    </input-fifo-errors>
    <input-mac-control-frames>
      input-mac-control-frames
    </input-mac-control-frames>
    <input-mac-pause-frames>
      input-mac-pause-frames
    </input-mac-pause-frames>
    <input-oversized-frames>
      input-oversized-frames
    </input-oversized-frames>
    <input-undersized-frames>
      input-undersized-frames
    </input-undersized-frames>
    <input-jabber-frames>
      input-jabber-frames
    </input-jabber-frames>
    <input-fragment-frames>
      input-fragment-frames
    </input-fragment-frames>
    <input-vlan-tagged-frames>
```

```

    input-vlan-tagged-frames
  </input-vlan-tagged-frames>
  <input-code-violations>
    input-code-violations
  </input-code-violations>
  <input-policer-frame-drops>
    input-policer-frame-drops
  </input-policer-frame-drops>
  <input-policer-byte-drops>
    input-policer-byte-drops
  </input-policer-byte-drops>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-packets>
    output-packets
  </output-packets>
  <output-unicasts>
    output-unicasts
  </output-unicasts>
  <output-broadcasts>
    output-broadcasts
  </output-broadcasts>
  <output-multicasts>
    output-multicasts
  </output-multicasts>
  <output-crc-errors>
    output-crc-errors
  </output-crc-errors>
  <output-fifo-errors>
    output-fifo-errors
  </output-fifo-errors>
  <output-mac-control-frames>
    output-mac-control-frames
  </output-mac-control-frames>
  <output-mac-pause-frames>
    output-mac-pause-frames
  </output-mac-pause-frames>
</ethernet-mac-statistics>
</jswitch-port>
</jswitch-port-information>

```

**Description** Ethernet MAC statistics

### <ethernet-mac-statistics>

#### Usage

```

<physical-interface>
  <ethernet-mac-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-packets>
      input-packets
    </input-packets>
  </ethernet-mac-statistics>
</physical-interface>

```

```
</input-packets>
<input-unicasts>
  input-unicasts
</input-unicasts>
<input-broadcasts>
  input-broadcasts
</input-broadcasts>
<input-multicasts>
  input-multicasts
</input-multicasts>
<input-crc-errors>
  input-crc-errors
</input-crc-errors>
<input-fifo-errors>
  input-fifo-errors
</input-fifo-errors>
<input-mac-control-frames>
  input-mac-control-frames
</input-mac-control-frames>
<input-mac-pause-frames>
  input-mac-pause-frames
</input-mac-pause-frames>
<input-oversized-frames>
  input-oversized-frames
</input-oversized-frames>
<input-undersized-frames>
  input-undersized-frames
</input-undersized-frames>
<input-jabber-frames>
  input-jabber-frames
</input-jabber-frames>
<input-fragment-frames>
  input-fragment-frames
</input-fragment-frames>
<input-vlan-tagged-frames>
  input-vlan-tagged-frames
</input-vlan-tagged-frames>
<input-code-violations>
  input-code-violations
</input-code-violations>
<input-policer-frame-drops>
  input-policer-frame-drops
</input-policer-frame-drops>
<input-policer-byte-drops>
  input-policer-byte-drops
</input-policer-byte-drops>
<output-bytes>
  output-bytes
</output-bytes>
<output-packets>
  output-packets
</output-packets>
<output-unicasts>
  output-unicasts
</output-unicasts>
<output-broadcasts>
```



```

        output-broadcasts
      </output-broadcasts>
      <output-multicasts>
        output-multicasts
      </output-multicasts>
      <output-crc-errors>
        output-crc-errors
      </output-crc-errors>
      <output-fifo-errors>
        output-fifo-errors
      </output-fifo-errors>
      <output-mac-control-frames>
        output-mac-control-frames
      </output-mac-control-frames>
      <output-mac-pause-frames>
        output-mac-pause-frames
      </output-mac-pause-frames>
    </ethernet-mac-statistics>
  </physical-interface>

```

**Description** Ethernet MAC statistics

### <ethernet-mac-statistics>

#### Usage

```

<interface-information>
  <physical-interface>
    <ethernet-mac-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-packets>
        input-packets
      </input-packets>
      <input-unicasts>
        input-unicasts
      </input-unicasts>
      <input-broadcasts>
        input-broadcasts
      </input-broadcasts>
      <input-multicasts>
        input-multicasts
      </input-multicasts>
      <input-crc-errors>
        input-crc-errors
      </input-crc-errors>
      <input-fifo-errors>
        input-fifo-errors
      </input-fifo-errors>
      <input-mac-control-frames>
        input-mac-control-frames
      </input-mac-control-frames>
      <input-mac-pause-frames>
        input-mac-pause-frames

```

```
</input-mac-pause-frames>
<input-oversized-frames>
  input-oversized-frames
</input-oversized-frames>
<input-undersized-frames>
  input-undersized-frames
</input-undersized-frames>
<input-jabber-frames>
  input-jabber-frames
</input-jabber-frames>
<input-fragment-frames>
  input-fragment-frames
</input-fragment-frames>
<input-vlan-tagged-frames>
  input-vlan-tagged-frames
</input-vlan-tagged-frames>
<input-code-violations>
  input-code-violations
</input-code-violations>
<input-policer-frame-drops>
  input-policer-frame-drops
</input-policer-frame-drops>
<input-policer-byte-drops>
  input-policer-byte-drops
</input-policer-byte-drops>
<output-bytes>
  output-bytes
</output-bytes>
<output-packets>
  output-packets
</output-packets>
<output-unicasts>
  output-unicasts
</output-unicasts>
<output-broadcasts>
  output-broadcasts
</output-broadcasts>
<output-multicasts>
  output-multicasts
</output-multicasts>
<output-crc-errors>
  output-crc-errors
</output-crc-errors>
<output-fifo-errors>
  output-fifo-errors
</output-fifo-errors>
<output-mac-control-frames>
  output-mac-control-frames
</output-mac-control-frames>
<output-mac-pause-frames>
  output-mac-pause-frames
</output-mac-pause-frames>
</ethernet-mac-statistics>
</physical-interface>
</interface-information>
```

**Description** Ethernet MAC statistics

### <ethernet-mac-statistics>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <ethernet-mac-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-packets>
        input-packets
      </input-packets>
      <input-unicasts>
        input-unicasts
      </input-unicasts>
      <input-broadcasts>
        input-broadcasts
      </input-broadcasts>
      <input-multicasts>
        input-multicasts
      </input-multicasts>
      <input-crc-errors>
        input-crc-errors
      </input-crc-errors>
      <input-fifo-errors>
        input-fifo-errors
      </input-fifo-errors>
      <input-mac-control-frames>
        input-mac-control-frames
      </input-mac-control-frames>
      <input-mac-pause-frames>
        input-mac-pause-frames
      </input-mac-pause-frames>
      <input-oversized-frames>
        input-oversized-frames
      </input-oversized-frames>
      <input-undersized-frames>
        input-undersized-frames
      </input-undersized-frames>
      <input-jabber-frames>
        input-jabber-frames
      </input-jabber-frames>
      <input-fragment-frames>
        input-fragment-frames
      </input-fragment-frames>
      <input-vlan-tagged-frames>
        input-vlan-tagged-frames
      </input-vlan-tagged-frames>
      <input-code-violations>
        input-code-violations
      </input-code-violations>
      <input-policer-frame-drops>
        input-policer-frame-drops
    
```

```
</input-policer-frame-drops>
<input-policer-byte-drops>
  input-policer-byte-drops
</input-policer-byte-drops>
<output-bytes>
  output-bytes
</output-bytes>
<output-packets>
  output-packets
</output-packets>
<output-unicasts>
  output-unicasts
</output-unicasts>
<output-broadcasts>
  output-broadcasts
</output-broadcasts>
<output-multicasts>
  output-multicasts
</output-multicasts>
<output-crc-errors>
  output-crc-errors
</output-crc-errors>
<output-fifo-errors>
  output-fifo-errors
</output-fifo-errors>
<output-mac-control-frames>
  output-mac-control-frames
</output-mac-control-frames>
<output-mac-pause-frames>
  output-mac-pause-frames
</output-mac-pause-frames>
</ethernet-mac-statistics>
</physical-interface>
</interface-filter-information>
```

**Description** Ethernet MAC statistics

### <ethernet-mac-statistics>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <ethernet-mac-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <input-unicasts>
      input-unicasts
    </input-unicasts>
    <input-broadcasts>
      input-broadcasts
```

```
</input-broadcasts>
<input-multicasts>
  input-multicasts
</input-multicasts>
<input-crc-errors>
  input-crc-errors
</input-crc-errors>
<input-fifo-errors>
  input-fifo-errors
</input-fifo-errors>
<input-mac-control-frames>
  input-mac-control-frames
</input-mac-control-frames>
<input-mac-pause-frames>
  input-mac-pause-frames
</input-mac-pause-frames>
<input-oversized-frames>
  input-oversized-frames
</input-oversized-frames>
<input-undersized-frames>
  input-undersized-frames
</input-undersized-frames>
<input-jabber-frames>
  input-jabber-frames
</input-jabber-frames>
<input-fragment-frames>
  input-fragment-frames
</input-fragment-frames>
<input-vlan-tagged-frames>
  input-vlan-tagged-frames
</input-vlan-tagged-frames>
<input-code-violations>
  input-code-violations
</input-code-violations>
<input-policer-frame-drops>
  input-policer-frame-drops
</input-policer-frame-drops>
<input-policer-byte-drops>
  input-policer-byte-drops
</input-policer-byte-drops>
<output-bytes>
  output-bytes
</output-bytes>
<output-packets>
  output-packets
</output-packets>
<output-unicasts>
  output-unicasts
</output-unicasts>
<output-broadcasts>
  output-broadcasts
</output-broadcasts>
<output-multicasts>
  output-multicasts
</output-multicasts>
<output-crc-errors>
```

```
    output-crc-errors
  </output-crc-errors>
  <output-fifo-errors>
    output-fifo-errors
  </output-fifo-errors>
  <output-mac-control-frames>
    output-mac-control-frames
  </output-mac-control-frames>
  <output-mac-pause-frames>
    output-mac-pause-frames
  </output-mac-pause-frames>
</ethernet-mac-statistics>
</physical-interface>
</interface-policer-information>
```

**Description** Ethernet MAC statistics

### <ethernet-pcs-statistics>

#### Usage

```
<ethernet-pcs-statistics>
  <bit-error-seconds>
    bit-error-seconds
  </bit-error-seconds>
  <errored-blocks-seconds>
    errored-blocks-seconds
  </errored-blocks-seconds>
</ethernet-pcs-statistics>
```

**Description** Ethernet PCS statistics

### <ethernet-pcs-statistics>

#### Usage

```
<physical-interface>
  <ethernet-pcs-statistics>
    <bit-error-seconds>
      bit-error-seconds
    </bit-error-seconds>
    <errored-blocks-seconds>
      errored-blocks-seconds
    </errored-blocks-seconds>
  </ethernet-pcs-statistics>
</physical-interface>
```

**Description** Ethernet PCS statistics

### <ethernet-pcs-statistics>

#### Usage

```
<interface-information>
```

```

<physical-interface>
  <ethernet-pcs-statistics>
    <bit-error-seconds>
      bit-error-seconds
    </bit-error-seconds>
    <errored-blocks-seconds>
      errored-blocks-seconds
    </errored-blocks-seconds>
  </ethernet-pcs-statistics>
</physical-interface>
</interface-information>

```

**Description** Ethernet PCS statistics

### <ethernet-pcs-statistics>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <ethernet-pcs-statistics>
      <bit-error-seconds>
        bit-error-seconds
      </bit-error-seconds>
      <errored-blocks-seconds>
        errored-blocks-seconds
      </errored-blocks-seconds>
    </ethernet-pcs-statistics>
  </physical-interface>
</interface-filter-information>

```

**Description** Ethernet PCS statistics

### <ethernet-pcs-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <ethernet-pcs-statistics>
      <bit-error-seconds>
        bit-error-seconds
      </bit-error-seconds>
      <errored-blocks-seconds>
        errored-blocks-seconds
      </errored-blocks-seconds>
    </ethernet-pcs-statistics>
  </physical-interface>
</interface-policer-information>

```

**Description** Ethernet PCS statistics

### <fibrenchannel-mac-statistics>

#### Usage

```
<fibrenchannel-mac-statistics>
  <fibrenchannel-mac-statistics-generic>....</fibrenchannel-mac-statistics-generic>
  <fibrenchannel-mac-statistics-received>....</fibrenchannel-mac-statistics-received>

  <fibrenchannel-mac-statistics-transmitted>....</fibrenchannel-mac-statistics-transmitted>

</fibrenchannel-mac-statistics>
```

**Description** Fibre Channel MAC statistics

### <fibrenchannel-mac-statistics>

#### Usage

```
<physical-interface>
  <fibrenchannel-mac-statistics>
    <fibrenchannel-mac-statistics-generic>....</fibrenchannel-mac-statistics-generic>

    <fibrenchannel-mac-statistics-received>....</fibrenchannel-mac-statistics-received>

  <fibrenchannel-mac-statistics-transmitted>....</fibrenchannel-mac-statistics-transmitted>

  </fibrenchannel-mac-statistics>
</physical-interface>
```

**Description** Fibre Channel MAC statistics

### <fibrenchannel-mac-statistics>

#### Usage

```
<interface-information>
  <physical-interface>
    <fibrenchannel-mac-statistics>
      <fibrenchannel-mac-statistics-generic>....</fibrenchannel-mac-statistics-generic>

    <fibrenchannel-mac-statistics-received>....</fibrenchannel-mac-statistics-received>

  <fibrenchannel-mac-statistics-transmitted>....</fibrenchannel-mac-statistics-transmitted>

  </fibrenchannel-mac-statistics>
  </physical-interface>
</interface-information>
```

**Description** Fibre Channel MAC statistics



**<fibrenchannel-mac-statistics>****Usage**

```

<interface-filter-information>
  <physical-interface>
    <fibrenchannel-mac-statistics>
      <fibrenchannel-mac-statistics-generic>....</fibrenchannel-mac-statistics-generic>

      <fibrenchannel-mac-statistics-received>....</fibrenchannel-mac-statistics-received>

      <fibrenchannel-mac-statistics-transmitted>....</fibrenchannel-mac-statistics-transmitted>

    </fibrenchannel-mac-statistics>
  </physical-interface>
</interface-filter-information>

```

**Description** Fibre Channel MAC statistics

**<fibrenchannel-mac-statistics>****Usage**

```

<interface-policer-information>
  <physical-interface>
    <fibrenchannel-mac-statistics>
      <fibrenchannel-mac-statistics-generic>....</fibrenchannel-mac-statistics-generic>

      <fibrenchannel-mac-statistics-received>....</fibrenchannel-mac-statistics-received>

      <fibrenchannel-mac-statistics-transmitted>....</fibrenchannel-mac-statistics-transmitted>

    </fibrenchannel-mac-statistics>
  </physical-interface>
</interface-policer-information>

```

**Description** Fibre Channel MAC statistics

**<fibrenchannel-mac-statistics-generic>****Usage**

```

<fibrenchannel-mac-statistics-generic>
  <link-failures>
    link-failures
  </link-failures>
  <loss-of-sync>
    loss-of-sync
  </loss-of-sync>
  <loss-of-signal>
    loss-of-signal
  </loss-of-signal>
  <sw-link-resets>

```

```
    sw-link-resets
  </sw-link-resets>
  <buffer-to-buffer-credit-recovery-lost-frames>
    buffer-to-buffer-credit-recovery-lost-frames
  </buffer-to-buffer-credit-recovery-lost-frames>
  <buffer-to-buffer-credit-recovery-lost-rrdys>
    buffer-to-buffer-credit-recovery-lost-rrdys
  </buffer-to-buffer-credit-recovery-lost-rrdys>
</fibrenchannel-mac-statistics-generic>
```

## Description

### <fibrenchannel-mac-statistics-generic>

#### Usage

```
<fibrenchannel-mac-statistics>
  <fibrenchannel-mac-statistics-generic>
    <link-failures>
      link-failures
    </link-failures>
    <loss-of-sync>
      loss-of-sync
    </loss-of-sync>
    <loss-of-signal>
      loss-of-signal
    </loss-of-signal>
    <sw-link-resets>
      sw-link-resets
    </sw-link-resets>
    <buffer-to-buffer-credit-recovery-lost-frames>
      buffer-to-buffer-credit-recovery-lost-frames
    </buffer-to-buffer-credit-recovery-lost-frames>
    <buffer-to-buffer-credit-recovery-lost-rrdys>
      buffer-to-buffer-credit-recovery-lost-rrdys
    </buffer-to-buffer-credit-recovery-lost-rrdys>
  </fibrenchannel-mac-statistics-generic>
</fibrenchannel-mac-statistics>
```

## Description

### <fibrenchannel-mac-statistics-generic>

#### Usage

```
<physical-interface>
  <fibrenchannel-mac-statistics>
    <fibrenchannel-mac-statistics-generic>
      <link-failures>
        link-failures
      </link-failures>
      <loss-of-sync>
        loss-of-sync
      </loss-of-sync>
      <loss-of-signal>
        loss-of-signal
      </loss-of-signal>
    </fibrenchannel-mac-statistics-generic>
  </fibrenchannel-mac-statistics>
</physical-interface>
```

```

</loss-of-signal>
<sw-link-resets>
  sw-link-resets
</sw-link-resets>
<buffer-to-buffer-credit-recovery-lost-frames>
  buffer-to-buffer-credit-recovery-lost-frames
</buffer-to-buffer-credit-recovery-lost-frames>
<buffer-to-buffer-credit-recovery-lost-rrdys>
  buffer-to-buffer-credit-recovery-lost-rrdys
</buffer-to-buffer-credit-recovery-lost-rrdys>
</fibrechannel-mac-statistics-generic>
</fibrechannel-mac-statistics>
</physical-interface>

```

### Description

#### <fibrechannel-mac-statistics-generic>

#### Usage

```

<interface-information>
  <physical-interface>
    <fibrechannel-mac-statistics>
      <fibrechannel-mac-statistics-generic>
        <link-failures>
          link-failures
        </link-failures>
        <loss-of-sync>
          loss-of-sync
        </loss-of-sync>
        <loss-of-signal>
          loss-of-signal
        </loss-of-signal>
        <sw-link-resets>
          sw-link-resets
        </sw-link-resets>
        <buffer-to-buffer-credit-recovery-lost-frames>
          buffer-to-buffer-credit-recovery-lost-frames
        </buffer-to-buffer-credit-recovery-lost-frames>
        <buffer-to-buffer-credit-recovery-lost-rrdys>
          buffer-to-buffer-credit-recovery-lost-rrdys
        </buffer-to-buffer-credit-recovery-lost-rrdys>
      </fibrechannel-mac-statistics-generic>
    </fibrechannel-mac-statistics>
  </physical-interface>
</interface-information>

```

### Description

#### <fibrechannel-mac-statistics-generic>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <fibrechannel-mac-statistics>

```

```
<fibrenchannel-mac-statistics-generic>
  <link-failures>
    link-failures
  </link-failures>
  <loss-of-sync>
    loss-of-sync
  </loss-of-sync>
  <loss-of-signal>
    loss-of-signal
  </loss-of-signal>
  <sw-link-resets>
    sw-link-resets
  </sw-link-resets>
  <buffer-to-buffer-credit-recovery-lost-frames>
    buffer-to-buffer-credit-recovery-lost-frames
  </buffer-to-buffer-credit-recovery-lost-frames>
  <buffer-to-buffer-credit-recovery-lost-rrdys>
    buffer-to-buffer-credit-recovery-lost-rrdys
  </buffer-to-buffer-credit-recovery-lost-rrdys>
</fibrenchannel-mac-statistics-generic>
</fibrenchannel-mac-statistics>
</physical-interface>
</interface-filter-information>
```

## Description

### <fibrenchannel-mac-statistics-generic>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <fibrenchannel-mac-statistics>
    <fibrenchannel-mac-statistics-generic>
      <link-failures>
        link-failures
      </link-failures>
      <loss-of-sync>
        loss-of-sync
      </loss-of-sync>
      <loss-of-signal>
        loss-of-signal
      </loss-of-signal>
      <sw-link-resets>
        sw-link-resets
      </sw-link-resets>
      <buffer-to-buffer-credit-recovery-lost-frames>
        buffer-to-buffer-credit-recovery-lost-frames
      </buffer-to-buffer-credit-recovery-lost-frames>
      <buffer-to-buffer-credit-recovery-lost-rrdys>
        buffer-to-buffer-credit-recovery-lost-rrdys
      </buffer-to-buffer-credit-recovery-lost-rrdys>
    </fibrenchannel-mac-statistics-generic>
  </fibrenchannel-mac-statistics>
</physical-interface>
```

```
</interface-policer-information>
```

## Description

### <fibrenchannel-mac-statistics-received>

#### Usage

```
<fibrenchannel-mac-statistics-received>
  <rx-class-2-frames>
    rx-class-2-frames
  </rx-class-2-frames>
  <rx-class-3-frames>
    rx-class-3-frames
  </rx-class-3-frames>
  <rx-class-f-frames>
    rx-class-f-frames
  </rx-class-f-frames>
  <rx-class-2-octets>
    rx-class-2-octets
  </rx-class-2-octets>
  <rx-class-3-octets>
    rx-class-3-octets
  </rx-class-3-octets>
  <rx-class-f-octets>
    rx-class-f-octets
  </rx-class-f-octets>
  <class-2-discards>
    class-2-discards
  </class-2-discards>
  <class-3-discards>
    class-3-discards
  </class-3-discards>
  <class-f-discards>
    class-f-discards
  </class-f-discards>
  <rx-frames-too-long>
    rx-frames-too-long
  </rx-frames-too-long>
  <rx-frames-too-short>
    rx-frames-too-short
  </rx-frames-too-short>
  <rx-missing-eof>
    rx-missing-eof
  </rx-missing-eof>
  <rx-invalid-crcs>
    rx-invalid-crcs
  </rx-invalid-crcs>
  <rx-link-resets>
    rx-link-resets
  </rx-link-resets>
  <rx-link-reset-responses>
    rx-link-reset-responses
  </rx-link-reset-responses>
  <rx-offlines>
    rx-offlines
```

```
</rx-offlines>
<rx-not-operationals>
  rx-not-operationals
</rx-not-operationals>
<rx-invalid-tx-words>
  rx-invalid-tx-words
</rx-invalid-tx-words>
<rx-encoding-disparity-errors>
  rx-encoding-disparity-errors
</rx-encoding-disparity-errors>
<rx-delimiter-errors>
  rx-delimiter-errors
</rx-delimiter-errors>
<rx-input-buffers-full>
  rx-input-buffers-full
</rx-input-buffers-full>
<rx-invalid-ordered-sets>
  rx-invalid-ordered-sets
</rx-invalid-ordered-sets>
<rx-prim-seq-protocol-errors>
  rx-prim-seq-protocol-errors
</rx-prim-seq-protocol-errors>
<rx-other-errors>
  rx-other-errors
</rx-other-errors>
</fibrenchannel-mac-statistics-received>
```

## Description

### <fibrenchannel-mac-statistics-received>

#### Usage

```
<fibrenchannel-mac-statistics>
  <fibrenchannel-mac-statistics-received>
    <rx-class-2-frames>
      rx-class-2-frames
    </rx-class-2-frames>
    <rx-class-3-frames>
      rx-class-3-frames
    </rx-class-3-frames>
    <rx-class-f-frames>
      rx-class-f-frames
    </rx-class-f-frames>
    <rx-class-2-octets>
      rx-class-2-octets
    </rx-class-2-octets>
    <rx-class-3-octets>
      rx-class-3-octets
    </rx-class-3-octets>
    <rx-class-f-octets>
      rx-class-f-octets
    </rx-class-f-octets>
    <class-2-discards>
      class-2-discards
    </class-2-discards>
```

```
<class-3-discards>
  class-3-discards
</class-3-discards>
<class-f-discards>
  class-f-discards
</class-f-discards>
<rx-frames-too-long>
  rx-frames-too-long
</rx-frames-too-long>
<rx-frames-too-short>
  rx-frames-too-short
</rx-frames-too-short>
<rx-missing-eof>
  rx-missing-eof
</rx-missing-eof>
<rx-invalid-crcs>
  rx-invalid-crcs
</rx-invalid-crcs>
<rx-link-resets>
  rx-link-resets
</rx-link-resets>
<rx-link-reset-responses>
  rx-link-reset-responses
</rx-link-reset-responses>
<rx-offlines>
  rx-offlines
</rx-offlines>
<rx-not-operationals>
  rx-not-operationals
</rx-not-operationals>
<rx-invalid-tx-words>
  rx-invalid-tx-words
</rx-invalid-tx-words>
<rx-encoding-disparity-errors>
  rx-encoding-disparity-errors
</rx-encoding-disparity-errors>
<rx-delimiter-errors>
  rx-delimiter-errors
</rx-delimiter-errors>
<rx-input-buffers-full>
  rx-input-buffers-full
</rx-input-buffers-full>
<rx-invalid-ordered-sets>
  rx-invalid-ordered-sets
</rx-invalid-ordered-sets>
<rx-prim-seq-protocol-errors>
  rx-prim-seq-protocol-errors
</rx-prim-seq-protocol-errors>
<rx-other-errors>
  rx-other-errors
</rx-other-errors>
</fibrechannel-mac-statistics-received>
</fibrechannel-mac-statistics>
```

## Description

### <fibrenchannel-mac-statistics-received>

#### Usage

```
<physical-interface>
  <fibrenchannel-mac-statistics>
    <fibrenchannel-mac-statistics-received>
      <rx-class-2-frames>
        rx-class-2-frames
      </rx-class-2-frames>
      <rx-class-3-frames>
        rx-class-3-frames
      </rx-class-3-frames>
      <rx-class-f-frames>
        rx-class-f-frames
      </rx-class-f-frames>
      <rx-class-2-octets>
        rx-class-2-octets
      </rx-class-2-octets>
      <rx-class-3-octets>
        rx-class-3-octets
      </rx-class-3-octets>
      <rx-class-f-octets>
        rx-class-f-octets
      </rx-class-f-octets>
      <class-2-discards>
        class-2-discards
      </class-2-discards>
      <class-3-discards>
        class-3-discards
      </class-3-discards>
      <class-f-discards>
        class-f-discards
      </class-f-discards>
      <rx-frames-too-long>
        rx-frames-too-long
      </rx-frames-too-long>
      <rx-frames-too-short>
        rx-frames-too-short
      </rx-frames-too-short>
      <rx-missing-eof>
        rx-missing-eof
      </rx-missing-eof>
      <rx-invalid-crcs>
        rx-invalid-crcs
      </rx-invalid-crcs>
      <rx-link-resets>
        rx-link-resets
      </rx-link-resets>
      <rx-link-reset-responses>
        rx-link-reset-responses
      </rx-link-reset-responses>
      <rx-offlines>
        rx-offlines
      </rx-offlines>
```



```

<rx-not-operationals>
  rx-not-operationals
</rx-not-operationals>
<rx-invalid-tx-words>
  rx-invalid-tx-words
</rx-invalid-tx-words>
<rx-encoding-disparity-errors>
  rx-encoding-disparity-errors
</rx-encoding-disparity-errors>
<rx-delimiter-errors>
  rx-delimiter-errors
</rx-delimiter-errors>
<rx-input-buffers-full>
  rx-input-buffers-full
</rx-input-buffers-full>
<rx-invalid-ordered-sets>
  rx-invalid-ordered-sets
</rx-invalid-ordered-sets>
<rx-prim-seq-protocol-errors>
  rx-prim-seq-protocol-errors
</rx-prim-seq-protocol-errors>
<rx-other-errors>
  rx-other-errors
</rx-other-errors>
</fibrechannel-mac-statistics-received>
</fibrechannel-mac-statistics>
</physical-interface>

```

## Description

### <fibrechannel-mac-statistics-received>

#### Usage

```

<interface-information>
  <physical-interface>
    <fibrechannel-mac-statistics>
      <fibrechannel-mac-statistics-received>
        <rx-class-2-frames>
          rx-class-2-frames
        </rx-class-2-frames>
        <rx-class-3-frames>
          rx-class-3-frames
        </rx-class-3-frames>
        <rx-class-f-frames>
          rx-class-f-frames
        </rx-class-f-frames>
        <rx-class-2-octets>
          rx-class-2-octets
        </rx-class-2-octets>
        <rx-class-3-octets>
          rx-class-3-octets
        </rx-class-3-octets>
        <rx-class-f-octets>
          rx-class-f-octets
        </rx-class-f-octets>
      </fibrechannel-mac-statistics-received>
    </fibrechannel-mac-statistics>
  </physical-interface>
</interface-information>

```

```
<class-2-discards>
  class-2-discards
</class-2-discards>
<class-3-discards>
  class-3-discards
</class-3-discards>
<class-f-discards>
  class-f-discards
</class-f-discards>
<rx-frames-too-long>
  rx-frames-too-long
</rx-frames-too-long>
<rx-frames-too-short>
  rx-frames-too-short
</rx-frames-too-short>
<rx-missing-eof>
  rx-missing-eof
</rx-missing-eof>
<rx-invalid-crcs>
  rx-invalid-crcs
</rx-invalid-crcs>
<rx-link-resets>
  rx-link-resets
</rx-link-resets>
<rx-link-reset-responses>
  rx-link-reset-responses
</rx-link-reset-responses>
<rx-offlines>
  rx-offlines
</rx-offlines>
<rx-not-operationals>
  rx-not-operationals
</rx-not-operationals>
<rx-invalid-tx-words>
  rx-invalid-tx-words
</rx-invalid-tx-words>
<rx-encoding-disparity-errors>
  rx-encoding-disparity-errors
</rx-encoding-disparity-errors>
<rx-delimiter-errors>
  rx-delimiter-errors
</rx-delimiter-errors>
<rx-input-buffers-full>
  rx-input-buffers-full
</rx-input-buffers-full>
<rx-invalid-ordered-sets>
  rx-invalid-ordered-sets
</rx-invalid-ordered-sets>
<rx-prim-seq-protocol-errors>
  rx-prim-seq-protocol-errors
</rx-prim-seq-protocol-errors>
<rx-other-errors>
  rx-other-errors
</rx-other-errors>
</fibrenchannel-mac-statistics-received>
</fibrenchannel-mac-statistics>
```

```

</physical-interface>
</interface-information>

```

## Description

### <fibrenchannel-mac-statistics-received>

#### Usage

```

<interface-filter-information>
<physical-interface>
  <fibrenchannel-mac-statistics>
    <fibrenchannel-mac-statistics-received>
      <rx-class-2-frames>
        rx-class-2-frames
      </rx-class-2-frames>
      <rx-class-3-frames>
        rx-class-3-frames
      </rx-class-3-frames>
      <rx-class-f-frames>
        rx-class-f-frames
      </rx-class-f-frames>
      <rx-class-2-octets>
        rx-class-2-octets
      </rx-class-2-octets>
      <rx-class-3-octets>
        rx-class-3-octets
      </rx-class-3-octets>
      <rx-class-f-octets>
        rx-class-f-octets
      </rx-class-f-octets>
      <class-2-discards>
        class-2-discards
      </class-2-discards>
      <class-3-discards>
        class-3-discards
      </class-3-discards>
      <class-f-discards>
        class-f-discards
      </class-f-discards>
      <rx-frames-too-long>
        rx-frames-too-long
      </rx-frames-too-long>
      <rx-frames-too-short>
        rx-frames-too-short
      </rx-frames-too-short>
      <rx-missing-eof>
        rx-missing-eof
      </rx-missing-eof>
      <rx-invalid-crcs>
        rx-invalid-crcs
      </rx-invalid-crcs>
      <rx-link-resets>
        rx-link-resets
      </rx-link-resets>
      <rx-link-reset-responses>

```

```
    rx-link-reset-responses
  </rx-link-reset-responses>
  <rx-offlines>
    rx-offlines
  </rx-offlines>
  <rx-not-operationals>
    rx-not-operationals
  </rx-not-operationals>
  <rx-invalid-tx-words>
    rx-invalid-tx-words
  </rx-invalid-tx-words>
  <rx-encoding-disparity-errors>
    rx-encoding-disparity-errors
  </rx-encoding-disparity-errors>
  <rx-delimiter-errors>
    rx-delimiter-errors
  </rx-delimiter-errors>
  <rx-input-buffers-full>
    rx-input-buffers-full
  </rx-input-buffers-full>
  <rx-invalid-ordered-sets>
    rx-invalid-ordered-sets
  </rx-invalid-ordered-sets>
  <rx-prim-seq-protocol-errors>
    rx-prim-seq-protocol-errors
  </rx-prim-seq-protocol-errors>
  <rx-other-errors>
    rx-other-errors
  </rx-other-errors>
</fibrenchannel-mac-statistics-received>
</fibrenchannel-mac-statistics>
</physical-interface>
</interface-filter-information>
```

## Description

### <fibrenchannel-mac-statistics-received>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <fibrenchannel-mac-statistics>
      <fibrenchannel-mac-statistics-received>
        <rx-class-2-frames>
          rx-class-2-frames
        </rx-class-2-frames>
        <rx-class-3-frames>
          rx-class-3-frames
        </rx-class-3-frames>
        <rx-class-f-frames>
          rx-class-f-frames
        </rx-class-f-frames>
        <rx-class-2-octets>
          rx-class-2-octets
        </rx-class-2-octets>
```

```
<rx-class-3-octets>
  rx-class-3-octets
</rx-class-3-octets>
<rx-class-f-octets>
  rx-class-f-octets
</rx-class-f-octets>
<class-2-discards>
  class-2-discards
</class-2-discards>
<class-3-discards>
  class-3-discards
</class-3-discards>
<class-f-discards>
  class-f-discards
</class-f-discards>
<rx-frames-too-long>
  rx-frames-too-long
</rx-frames-too-long>
<rx-frames-too-short>
  rx-frames-too-short
</rx-frames-too-short>
<rx-missing-eof>
  rx-missing-eof
</rx-missing-eof>
<rx-invalid-crcs>
  rx-invalid-crcs
</rx-invalid-crcs>
<rx-link-resets>
  rx-link-resets
</rx-link-resets>
<rx-link-reset-responses>
  rx-link-reset-responses
</rx-link-reset-responses>
<rx-offlines>
  rx-offlines
</rx-offlines>
<rx-not-operationals>
  rx-not-operationals
</rx-not-operationals>
<rx-invalid-tx-words>
  rx-invalid-tx-words
</rx-invalid-tx-words>
<rx-encoding-disparity-errors>
  rx-encoding-disparity-errors
</rx-encoding-disparity-errors>
<rx-delimiter-errors>
  rx-delimiter-errors
</rx-delimiter-errors>
<rx-input-buffers-full>
  rx-input-buffers-full
</rx-input-buffers-full>
<rx-invalid-ordered-sets>
  rx-invalid-ordered-sets
</rx-invalid-ordered-sets>
<rx-prim-seq-protocol-errors>
  rx-prim-seq-protocol-errors
```

```
</rx-prim-seq-protocol-errors>
<rx-other-errors>
  rx-other-errors
</rx-other-errors>
</fibrenchannel-mac-statistics-received>
</fibrenchannel-mac-statistics>
</physical-interface>
</interface-policer-information>
```

## Description

### <fibrenchannel-mac-statistics-transmitted>

#### Usage

```
<fibrenchannel-mac-statistics-transmitted>
  <tx-class-2-frames>
    tx-class-2-frames
  </tx-class-2-frames>
  <tx-class-3-frames>
    tx-class-3-frames
  </tx-class-3-frames>
  <tx-class-f-frames>
    tx-class-f-frames
  </tx-class-f-frames>
  <tx-class-2-octets>
    tx-class-2-octets
  </tx-class-2-octets>
  <tx-class-3-octets>
    tx-class-3-octets
  </tx-class-3-octets>
  <tx-class-f-octets>
    tx-class-f-octets
  </tx-class-f-octets>
  <tx-link-resets>
    tx-link-resets
  </tx-link-resets>
  <tx-link-reset-responses>
    tx-link-reset-responses
  </tx-link-reset-responses>
  <tx-offlines>
    tx-offlines
  </tx-offlines>
  <tx-not-operationals>
    tx-not-operationals
  </tx-not-operationals>
  <tx-bb-credit-zeroes>
    tx-bb-credit-zeroes
  </tx-bb-credit-zeroes>
  <tx-other-errors>
    tx-other-errors
  </tx-other-errors>
</fibrenchannel-mac-statistics-transmitted>
```

## Description

## <fibrenchannel-mac-statistics-transmitted>

### Usage

```

<fibrenchannel-mac-statistics>
  <fibrenchannel-mac-statistics-transmitted>
    <tx-class-2-frames>
      tx-class-2-frames
    </tx-class-2-frames>
    <tx-class-3-frames>
      tx-class-3-frames
    </tx-class-3-frames>
    <tx-class-f-frames>
      tx-class-f-frames
    </tx-class-f-frames>
    <tx-class-2-octets>
      tx-class-2-octets
    </tx-class-2-octets>
    <tx-class-3-octets>
      tx-class-3-octets
    </tx-class-3-octets>
    <tx-class-f-octets>
      tx-class-f-octets
    </tx-class-f-octets>
    <tx-link-resets>
      tx-link-resets
    </tx-link-resets>
    <tx-link-reset-responses>
      tx-link-reset-responses
    </tx-link-reset-responses>
    <tx-offlines>
      tx-offlines
    </tx-offlines>
    <tx-not-operationals>
      tx-not-operationals
    </tx-not-operationals>
    <tx-bb-credit-zeroes>
      tx-bb-credit-zeroes
    </tx-bb-credit-zeroes>
    <tx-other-errors>
      tx-other-errors
    </tx-other-errors>
  </fibrenchannel-mac-statistics-transmitted>
</fibrenchannel-mac-statistics>

```

### Description

## <fibrenchannel-mac-statistics-transmitted>

### Usage

```

<physical-interface>
  <fibrenchannel-mac-statistics>
    <fibrenchannel-mac-statistics-transmitted>
      <tx-class-2-frames>
        tx-class-2-frames
      </tx-class-2-frames>
    </fibrenchannel-mac-statistics-transmitted>
  </fibrenchannel-mac-statistics>
</physical-interface>

```

```
</tx-class-2-frames>
<tx-class-3-frames>
  tx-class-3-frames
</tx-class-3-frames>
<tx-class-f-frames>
  tx-class-f-frames
</tx-class-f-frames>
<tx-class-2-octets>
  tx-class-2-octets
</tx-class-2-octets>
<tx-class-3-octets>
  tx-class-3-octets
</tx-class-3-octets>
<tx-class-f-octets>
  tx-class-f-octets
</tx-class-f-octets>
<tx-link-resets>
  tx-link-resets
</tx-link-resets>
<tx-link-reset-responses>
  tx-link-reset-responses
</tx-link-reset-responses>
<tx-offlines>
  tx-offlines
</tx-offlines>
<tx-not-operationals>
  tx-not-operationals
</tx-not-operationals>
<tx-bb-credit-zeroes>
  tx-bb-credit-zeroes
</tx-bb-credit-zeroes>
<tx-other-errors>
  tx-other-errors
</tx-other-errors>
</fibrenchannel-mac-statistics-transmitted>
</fibrenchannel-mac-statistics>
</physical-interface>
```

## Description

### <fibrenchannel-mac-statistics-transmitted>

#### Usage

```
<interface-information>
<physical-interface>
  <fibrenchannel-mac-statistics>
    <fibrenchannel-mac-statistics-transmitted>
      <tx-class-2-frames>
        tx-class-2-frames
      </tx-class-2-frames>
      <tx-class-3-frames>
        tx-class-3-frames
      </tx-class-3-frames>
      <tx-class-f-frames>
        tx-class-f-frames
```



```

</tx-class-f-frames>
<tx-class-2-octets>
  tx-class-2-octets
</tx-class-2-octets>
<tx-class-3-octets>
  tx-class-3-octets
</tx-class-3-octets>
<tx-class-f-octets>
  tx-class-f-octets
</tx-class-f-octets>
<tx-link-resets>
  tx-link-resets
</tx-link-resets>
<tx-link-reset-responses>
  tx-link-reset-responses
</tx-link-reset-responses>
<tx-offlines>
  tx-offlines
</tx-offlines>
<tx-not-operationals>
  tx-not-operationals
</tx-not-operationals>
<tx-bb-credit-zeroes>
  tx-bb-credit-zeroes
</tx-bb-credit-zeroes>
<tx-other-errors>
  tx-other-errors
</tx-other-errors>
</fibrenchannel-mac-statistics-transmitted>
</fibrenchannel-mac-statistics>
</physical-interface>
</interface-information>

```

## Description

### <fibrenchannel-mac-statistics-transmitted>

#### Usage

```

<interface-filter-information>
<physical-interface>
  <fibrenchannel-mac-statistics>
    <fibrenchannel-mac-statistics-transmitted>
      <tx-class-2-frames>
        tx-class-2-frames
      </tx-class-2-frames>
      <tx-class-3-frames>
        tx-class-3-frames
      </tx-class-3-frames>
      <tx-class-f-frames>
        tx-class-f-frames
      </tx-class-f-frames>
      <tx-class-2-octets>
        tx-class-2-octets
      </tx-class-2-octets>
      <tx-class-3-octets>

```

```
    tx-class-3-octets
  </tx-class-3-octets>
  <tx-class-f-octets>
    tx-class-f-octets
  </tx-class-f-octets>
  <tx-link-resets>
    tx-link-resets
  </tx-link-resets>
  <tx-link-reset-responses>
    tx-link-reset-responses
  </tx-link-reset-responses>
  <tx-offlines>
    tx-offlines
  </tx-offlines>
  <tx-not-operationals>
    tx-not-operationals
  </tx-not-operationals>
  <tx-bb-credit-zeroes>
    tx-bb-credit-zeroes
  </tx-bb-credit-zeroes>
  <tx-other-errors>
    tx-other-errors
  </tx-other-errors>
  </fibrechannel-mac-statistics-transmitted>
</fibrechannel-mac-statistics>
</physical-interface>
</interface-filter-information>
```

## Description

### <fibrechannel-mac-statistics-transmitted>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <fibrechannel-mac-statistics>
      <fibrechannel-mac-statistics-transmitted>
        <tx-class-2-frames>
          tx-class-2-frames
        </tx-class-2-frames>
        <tx-class-3-frames>
          tx-class-3-frames
        </tx-class-3-frames>
        <tx-class-f-frames>
          tx-class-f-frames
        </tx-class-f-frames>
        <tx-class-2-octets>
          tx-class-2-octets
        </tx-class-2-octets>
        <tx-class-3-octets>
          tx-class-3-octets
        </tx-class-3-octets>
        <tx-class-f-octets>
          tx-class-f-octets
        </tx-class-f-octets>
```

```

<tx-link-resets>
  tx-link-resets
</tx-link-resets>
<tx-link-reset-responses>
  tx-link-reset-responses
</tx-link-reset-responses>
<tx-offlines>
  tx-offlines
</tx-offlines>
<tx-not-operationals>
  tx-not-operationals
</tx-not-operationals>
<tx-bb-credit-zeroes>
  tx-bb-credit-zeroes
</tx-bb-credit-zeroes>
<tx-other-errors>
  tx-other-errors
</tx-other-errors>
</fibrenchannel-mac-statistics-transmitted>
</fibrenchannel-mac-statistics>
</physical-interface>
</interface-policer-information>

```

**Description****<fibrenchannel-port-flow-control>****Usage**

```

<fibrenchannel-port-flow-control>
  <fibrenchannel-port-flow-control-mode>
    fibrenchannel-port-flow-control-mode
  </fibrenchannel-port-flow-control-mode>

  <fibrenchannel-port-flow-control-credits>....</fibrenchannel-port-flow-control-credits>
</fibrenchannel-port-flow-control>

```

**Description** Fibre Channel interface flow control**<fibrenchannel-port-flow-control>****Usage**

```

<physical-interface>
  <fibrenchannel-port-flow-control>
    <fibrenchannel-port-flow-control-mode>
      fibrenchannel-port-flow-control-mode
    </fibrenchannel-port-flow-control-mode>

  <fibrenchannel-port-flow-control-credits>....</fibrenchannel-port-flow-control-credits>
  </fibrenchannel-port-flow-control>
</physical-interface>

```

**Description** Fibre Channel interface flow control

## <fibrenchannel-port-flow-control>

### Usage

```
<interface-information>
  <physical-interface>
    <fibrenchannel-port-flow-control>
      <fibrenchannel-port-flow-control-mode>
        fibrenchannel-port-flow-control-mode
      </fibrenchannel-port-flow-control-mode>

    <fibrenchannel-port-flow-control-credits>....</fibrenchannel-port-flow-control-credits>
  </fibrenchannel-port-flow-control>
</physical-interface>
</interface-information>
```

**Description** Fibre Channel interface flow control

## <fibrenchannel-port-flow-control>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <fibrenchannel-port-flow-control>
      <fibrenchannel-port-flow-control-mode>
        fibrenchannel-port-flow-control-mode
      </fibrenchannel-port-flow-control-mode>

    <fibrenchannel-port-flow-control-credits>....</fibrenchannel-port-flow-control-credits>
  </fibrenchannel-port-flow-control>
</physical-interface>
</interface-filter-information>
```

**Description** Fibre Channel interface flow control

## <fibrenchannel-port-flow-control>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <fibrenchannel-port-flow-control>
      <fibrenchannel-port-flow-control-mode>
        fibrenchannel-port-flow-control-mode
      </fibrenchannel-port-flow-control-mode>

    <fibrenchannel-port-flow-control-credits>....</fibrenchannel-port-flow-control-credits>
  </fibrenchannel-port-flow-control>
</physical-interface>
</interface-policer-information>
```

**Description** Fibre Channel interface flow control

### <fibrenchannel-port-flow-control-credits>

#### Usage

```

<fibrenchannel-port-flow-control-credits>
  <fibrenchannel-port-flow-control-credits-subject>
    fibrenchannel-port-flow-control-credits-subject
  </fibrenchannel-port-flow-control-credits-subject>
  <fibrenchannel-port-flow-control-credits-assigned>
    fibrenchannel-port-flow-control-credits-assigned
  </fibrenchannel-port-flow-control-credits-assigned>
  <fibrenchannel-port-flow-control-credits-available>
    fibrenchannel-port-flow-control-credits-available
  </fibrenchannel-port-flow-control-credits-available>
</fibrenchannel-port-flow-control-credits>

```

**Description** Generic flow control credits

### <fibrenchannel-port-flow-control-credits>

#### Usage

```

<fibrenchannel-port-flow-control>
  <fibrenchannel-port-flow-control-credits>
    <fibrenchannel-port-flow-control-credits-subject>
      fibrenchannel-port-flow-control-credits-subject
    </fibrenchannel-port-flow-control-credits-subject>
    <fibrenchannel-port-flow-control-credits-assigned>
      fibrenchannel-port-flow-control-credits-assigned
    </fibrenchannel-port-flow-control-credits-assigned>
    <fibrenchannel-port-flow-control-credits-available>
      fibrenchannel-port-flow-control-credits-available
    </fibrenchannel-port-flow-control-credits-available>
  </fibrenchannel-port-flow-control-credits>
</fibrenchannel-port-flow-control>

```

**Description** Generic flow control credits

### <fibrenchannel-port-flow-control-credits>

#### Usage

```

<physical-interface>
  <fibrenchannel-port-flow-control>
    <fibrenchannel-port-flow-control-credits>
      <fibrenchannel-port-flow-control-credits-subject>
        fibrenchannel-port-flow-control-credits-subject
      </fibrenchannel-port-flow-control-credits-subject>
      <fibrenchannel-port-flow-control-credits-assigned>
        fibrenchannel-port-flow-control-credits-assigned
      </fibrenchannel-port-flow-control-credits-assigned>
      <fibrenchannel-port-flow-control-credits-available>
        fibrenchannel-port-flow-control-credits-available
      </fibrenchannel-port-flow-control-credits-available>
    </fibrenchannel-port-flow-control-credits>
  </fibrenchannel-port-flow-control>
</physical-interface>

```

```
</fibrechannel-port-flow-control>
</physical-interface>
```

**Description** Generic flow control credits

### <fibrechannel-port-flow-control-credits>

#### Usage

```
<interface-information>
<physical-interface>
<fibrechannel-port-flow-control>
<fibrechannel-port-flow-control-credits>
  <fibrechannel-port-flow-control-credits-subject>
    fibrechannel-port-flow-control-credits-subject
  </fibrechannel-port-flow-control-credits-subject>
  <fibrechannel-port-flow-control-credits-assigned>
    fibrechannel-port-flow-control-credits-assigned
  </fibrechannel-port-flow-control-credits-assigned>
  <fibrechannel-port-flow-control-credits-available>
    fibrechannel-port-flow-control-credits-available
  </fibrechannel-port-flow-control-credits-available>
</fibrechannel-port-flow-control-credits>
</fibrechannel-port-flow-control>
</physical-interface>
</interface-information>
```

**Description** Generic flow control credits

### <fibrechannel-port-flow-control-credits>

#### Usage

```
<interface-filter-information>
<physical-interface>
<fibrechannel-port-flow-control>
<fibrechannel-port-flow-control-credits>
  <fibrechannel-port-flow-control-credits-subject>
    fibrechannel-port-flow-control-credits-subject
  </fibrechannel-port-flow-control-credits-subject>
  <fibrechannel-port-flow-control-credits-assigned>
    fibrechannel-port-flow-control-credits-assigned
  </fibrechannel-port-flow-control-credits-assigned>
  <fibrechannel-port-flow-control-credits-available>
    fibrechannel-port-flow-control-credits-available
  </fibrechannel-port-flow-control-credits-available>
</fibrechannel-port-flow-control-credits>
</fibrechannel-port-flow-control>
</physical-interface>
</interface-filter-information>
```

**Description** Generic flow control credits

## <fibrenchannel-port-flow-control-credits>

### Usage

```

<interface-policer-information>
  <physical-interface>
    <fibrenchannel-port-flow-control>
      <fibrenchannel-port-flow-control-credits>
        <fibrenchannel-port-flow-control-credits-subject>
          fibrenchannel-port-flow-control-credits-subject
        </fibrenchannel-port-flow-control-credits-subject>
        <fibrenchannel-port-flow-control-credits-assigned>
          fibrenchannel-port-flow-control-credits-assigned
        </fibrenchannel-port-flow-control-credits-assigned>
        <fibrenchannel-port-flow-control-credits-available>
          fibrenchannel-port-flow-control-credits-available
        </fibrenchannel-port-flow-control-credits-available>
      </fibrenchannel-port-flow-control-credits>
    </fibrenchannel-port-flow-control>
  </physical-interface>
</interface-policer-information>

```

**Description**    Generic flow control credits

## <filter-information>

### Usage

```

<filter-information>
  <filter-family>
    filter-family
  </filter-family>
  <filter-input>
    filter-input
  </filter-input>
  <filter-input-precedence>
    filter-input-precedence
  </filter-input-precedence>
  <filter-output>
    filter-output
  </filter-output>
  <filter-output-precedence>
    filter-output-precedence
  </filter-output-precedence>
</filter-information>

```

**Description**

## <filter-information>

### Usage

```

<address-family>
  <filter-information>
    <filter-family>
      filter-family
    </filter-family>
  </filter-information>
</address-family>

```

```
</filter-family>
<filter-input>
  filter-input
</filter-input>
<filter-input-precedence>
  filter-input-precedence
</filter-input-precedence>
<filter-output>
  filter-output
</filter-output>
<filter-output-precedence>
  filter-output-precedence
</filter-output-precedence>
</filter-information>
</address-family>
```

#### Description

**<filter-information>**

#### Usage

```
<logical-interface>
  <filter-information>
    <filter-family>
      filter-family
    </filter-family>
    <filter-input>
      filter-input
    </filter-input>
    <filter-input-precedence>
      filter-input-precedence
    </filter-input-precedence>
    <filter-output>
      filter-output
    </filter-output>
    <filter-output-precedence>
      filter-output-precedence
    </filter-output-precedence>
  </filter-information>
</logical-interface>
```

#### Description

**<filter-information>**

#### Usage

```
<logical-interface>
  <address-family>
    <filter-information>
      <filter-family>
        filter-family
      </filter-family>
      <filter-input>
        filter-input
      </filter-input>
    </filter-information>
  </address-family>
</logical-interface>
```



```

</filter-input>
<filter-input-precedence>
  filter-input-precedence
</filter-input-precedence>
<filter-output>
  filter-output
</filter-output>
<filter-output-precedence>
  filter-output-precedence
</filter-output-precedence>
</filter-information>
</address-family>
</logical-interface>

```

#### Description

<filter-information>

#### Usage

```

<physical-interface>
<logical-interface>
  <filter-information>
    <filter-family>
      filter-family
    </filter-family>
    <filter-input>
      filter-input
    </filter-input>
    <filter-input-precedence>
      filter-input-precedence
    </filter-input-precedence>
    <filter-output>
      filter-output
    </filter-output>
    <filter-output-precedence>
      filter-output-precedence
    </filter-output-precedence>
  </filter-information>
</logical-interface>
</physical-interface>

```

#### Description

<filter-information>

#### Usage

```

<physical-interface>
<logical-interface>
  <address-family>
    <filter-information>
      <filter-family>
        filter-family
      </filter-family>
    <filter-input>

```

```
    filter-input
  </filter-input>
  <filter-input-precedence>
    filter-input-precedence
  </filter-input-precedence>
  <filter-output>
    filter-output
  </filter-output>
  <filter-output-precedence>
    filter-output-precedence
  </filter-output-precedence>
</filter-information>
</address-family>
</logical-interface>
</physical-interface>
```

#### Description

<filter-information>

#### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <filter-information>
        <filter-family>
          filter-family
        </filter-family>
        <filter-input>
          filter-input
        </filter-input>
        <filter-input-precedence>
          filter-input-precedence
        </filter-input-precedence>
        <filter-output>
          filter-output
        </filter-output>
        <filter-output-precedence>
          filter-output-precedence
        </filter-output-precedence>
      </filter-information>
    </logical-interface>
  </physical-interface>
</interface-information>
```

#### Description

<filter-information>

#### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <address-family>
```

```

<filter-information>
  <filter-family>
    filter-family
  </filter-family>
  <filter-input>
    filter-input
  </filter-input>
  <filter-input-precedence>
    filter-input-precedence
  </filter-input-precedence>
  <filter-output>
    filter-output
  </filter-output>
  <filter-output-precedence>
    filter-output-precedence
  </filter-output-precedence>
</filter-information>
</address-family>
</logical-interface>
</physical-interface>
</interface-information>

```

#### Description

#### <filter-information>

#### Usage

```

<interface-information>
  <logical-interface>
    <filter-information>
      <filter-family>
        filter-family
      </filter-family>
      <filter-input>
        filter-input
      </filter-input>
      <filter-input-precedence>
        filter-input-precedence
      </filter-input-precedence>
      <filter-output>
        filter-output
      </filter-output>
      <filter-output-precedence>
        filter-output-precedence
      </filter-output-precedence>
    </filter-information>
  </logical-interface>
</interface-information>

```

#### Description

## <filter-information>

### Usage

```
<interface-information>
  <logical-interface>
    <address-family>
      <filter-information>
        <filter-family>
          filter-family
        </filter-family>
        <filter-input>
          filter-input
        </filter-input>
        <filter-input-precedence>
          filter-input-precedence
        </filter-input-precedence>
        <filter-output>
          filter-output
        </filter-output>
        <filter-output-precedence>
          filter-output-precedence
        </filter-output-precedence>
      </filter-information>
    </address-family>
  </logical-interface>
</interface-information>
```

### Description

## <filter-information>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <filter-information>
        <filter-family>
          filter-family
        </filter-family>
        <filter-input>
          filter-input
        </filter-input>
        <filter-input-precedence>
          filter-input-precedence
        </filter-input-precedence>
        <filter-output>
          filter-output
        </filter-output>
        <filter-output-precedence>
          filter-output-precedence
        </filter-output-precedence>
      </filter-information>
    </logical-interface>
  </physical-interface>
```

```
</interface-filter-information>
```

## Description

**<filter-information>**

## Usage

```
<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <address-family>
      <filter-information>
        <filter-family>
          filter-family
        </filter-family>
        <filter-input>
          filter-input
        </filter-input>
        <filter-input-precedence>
          filter-input-precedence
        </filter-input-precedence>
        <filter-output>
          filter-output
        </filter-output>
        <filter-output-precedence>
          filter-output-precedence
        </filter-output-precedence>
      </filter-information>
    </address-family>
  </logical-interface>
</physical-interface>
</interface-filter-information>
```

## Description

**<filter-information>**

## Usage

```
<interface-filter-information>
  <logical-interface>
    <filter-information>
      <filter-family>
        filter-family
      </filter-family>
      <filter-input>
        filter-input
      </filter-input>
      <filter-input-precedence>
        filter-input-precedence
      </filter-input-precedence>
      <filter-output>
        filter-output
      </filter-output>
      <filter-output-precedence>
```

```
        filter-output-precedence
      </filter-output-precedence>
    </filter-information>
  </logical-interface>
</interface-filter-information>
```

#### Description

### <filter-information>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <address-family>
      <filter-information>
        <filter-family>
          filter-family
        </filter-family>
        <filter-input>
          filter-input
        </filter-input>
        <filter-input-precedence>
          filter-input-precedence
        </filter-input-precedence>
        <filter-output>
          filter-output
        </filter-output>
        <filter-output-precedence>
          filter-output-precedence
        </filter-output-precedence>
      </filter-information>
    </address-family>
  </logical-interface>
</interface-filter-information>
```

#### Description

### <filter-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <filter-information>
        <filter-family>
          filter-family
        </filter-family>
        <filter-input>
          filter-input
        </filter-input>
        <filter-input-precedence>
          filter-input-precedence
        </filter-input-precedence>
        <filter-output>
```

```

        filter-output
      </filter-output>
      <filter-output-precedence>
        filter-output-precedence
      </filter-output-precedence>
    </filter-information>
  </logical-interface>
</physical-interface>
</interface-policer-information>

```

## Description

### <filter-information>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <address-family>
        <filter-information>
          <filter-family>
            filter-family
          </filter-family>
          <filter-input>
            filter-input
          </filter-input>
          <filter-input-precedence>
            filter-input-precedence
          </filter-input-precedence>
          <filter-output>
            filter-output
          </filter-output>
          <filter-output-precedence>
            filter-output-precedence
          </filter-output-precedence>
        </filter-information>
      </address-family>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

## Description

### <filter-information>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <filter-information>
      <filter-family>
        filter-family
      </filter-family>
      <filter-input>
        filter-input

```

```
</filter-input>
<filter-input-precedence>
  filter-input-precedence
</filter-input-precedence>
<filter-output>
  filter-output
</filter-output>
<filter-output-precedence>
  filter-output-precedence
</filter-output-precedence>
</filter-information>
</logical-interface>
</interface-policer-information>
```

#### Description

**<filter-information>**

#### Usage

```
<interface-policer-information>
<logical-interface>
<address-family>
  <filter-information>
    <filter-family>
      filter-family
    </filter-family>
    <filter-input>
      filter-input
    </filter-input>
    <filter-input-precedence>
      filter-input-precedence
    </filter-input-precedence>
    <filter-output>
      filter-output
    </filter-output>
    <filter-output-precedence>
      filter-output-precedence
    </filter-output-precedence>
  </filter-information>
</address-family>
</logical-interface>
</interface-policer-information>
```

#### Description

**<fragments>**

#### Usage

```
<fragments>
<input-frames>
  input-frames
</input-frames>
<input-fps>
  input-fps
```



```

</input-fps>
<input-bytes>
  input-bytes
</input-bytes>
<input-bps>
  input-bps
</input-bps>
<output-frames>
  output-frames
</output-frames>
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</fragments>

```

**Description** Fragment statistics for multilink bundles and classes

## <fragments>

### Usage

```

<multilink-traffic-statistics>
  <multilink-detail-statistics>
    <bundle-detail>
      <fragments>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
        </output-frames>
        <output-fps>
          output-fps
        </output-fps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </fragments>
    </bundle-detail>
  </multilink-detail-statistics>
</multilink-traffic-statistics>

```

```
</fragments>
</bundle-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
```

**Description** Fragment statistics for multilink bundles and classes

### <fragments>

#### Usage

```
<multilink-traffic-statistics>
<multilink-detail-statistics>
<class-detail>
<fragments>
  <input-frames>
    input-frames
  </input-frames>
  <input-fps>
    input-fps
  </input-fps>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-frames>
    output-frames
  </output-frames>
  <output-fps>
    output-fps
  </output-fps>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-bps>
    output-bps
  </output-bps>
</fragments>
</class-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
```

**Description** Fragment statistics for multilink bundles and classes

### <fragments>

#### Usage

```
<logical-interface>
<multilink-traffic-statistics>
  <multilink-detail-statistics>
    <bundle-detail>
```

```

<fragments>
  <input-frames>
    input-frames
  </input-frames>
  <input-fps>
    input-fps
  </input-fps>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-frames>
    output-frames
  </output-frames>
  <output-fps>
    output-fps
  </output-fps>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-bps>
    output-bps
  </output-bps>
</fragments>
</bundle-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>

```

**Description** Fragment statistics for multilink bundles and classes

## <fragments>

### Usage

```

<logical-interface>
  <multilink-traffic-statistics>
    <multilink-detail-statistics>
      <class-detail>
        <fragments>
          <input-frames>
            input-frames
          </input-frames>
          <input-fps>
            input-fps
          </input-fps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-frames>

```

```
        output-frames
      </output-frames>
    <output-fps>
      output-fps
    </output-fps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </fragments>
</class-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
```

**Description** Fragment statistics for multilink bundles and classes

## <fragments>

### Usage

```
<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <multilink-detail-statistics>
      <bundle-detail>
        <fragments>
          <input-frames>
            input-frames
          </input-frames>
          <input-fps>
            input-fps
          </input-fps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-frames>
            output-frames
          </output-frames>
          <output-fps>
            output-fps
          </output-fps>
          <output-bytes>
            output-bytes
          </output-bytes>
          <output-bps>
            output-bps
          </output-bps>
        </fragments>
      </bundle-detail>
```

```

    </multilink-detail-statistics>
  </multilink-traffic-statistics>
</logical-interface>
</physical-interface>

```

**Description** Fragment statistics for multilink bundles and classes

## <fragments>

### Usage

```

<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <multilink-detail-statistics>
      <class-detail>
        <fragments>
          <input-frames>
            input-frames
          </input-frames>
          <input-fps>
            input-fps
          </input-fps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-frames>
            output-frames
          </output-frames>
          <output-fps>
            output-fps
          </output-fps>
          <output-bytes>
            output-bytes
          </output-bytes>
          <output-bps>
            output-bps
          </output-bps>
        </fragments>
      </class-detail>
    </multilink-detail-statistics>
  </multilink-traffic-statistics>
</logical-interface>
</physical-interface>

```

**Description** Fragment statistics for multilink bundles and classes

## <fragments>

### Usage

```
<interface-information>
  <physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>
          <fragments>
            <input-frames>
              input-frames
            </input-frames>
            <input-fps>
              input-fps
            </input-fps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>
              input-bps
            </input-bps>
            <output-frames>
              output-frames
            </output-frames>
            <output-fps>
              output-fps
            </output-fps>
            <output-bytes>
              output-bytes
            </output-bytes>
            <output-bps>
              output-bps
            </output-bps>
          </fragments>
        </bundle-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</physical-interface>
</interface-information>
```

**Description**    Fragment statistics for multilink bundles and classes

## <fragments>

### Usage

```
<interface-information>
  <physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <class-detail>
```

```

<fragments>
  <input-frames>
    input-frames
  </input-frames>
  <input-fps>
    input-fps
  </input-fps>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-frames>
    output-frames
  </output-frames>
  <output-fps>
    output-fps
  </output-fps>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-bps>
    output-bps
  </output-bps>
</fragments>
</class-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>

```

**Description** Fragment statistics for multilink bundles and classes

## <fragments>

### Usage

```

<interface-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>
          <fragments>
            <input-frames>
              input-frames
            </input-frames>
            <input-fps>
              input-fps
            </input-fps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>

```

```
        input-bps
      </input-bps>
    <output-frames>
      output-frames
    </output-frames>
    <output-fps>
      output-fps
    </output-fps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </fragments>
</bundle-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</interface-information>
```

**Description** Fragment statistics for multilink bundles and classes

## <fragments>

### Usage

```
<interface-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <class-detail>
          <fragments>
            <input-frames>
              input-frames
            </input-frames>
            <input-fps>
              input-fps
            </input-fps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>
              input-bps
            </input-bps>
            <output-frames>
              output-frames
            </output-frames>
            <output-fps>
              output-fps
            </output-fps>
            <output-bytes>
              output-bytes
            </output-bytes>
            <output-bps>
```



```

        output-bps
      </output-bps>
    </fragments>
  </class-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</interface-information>

```

**Description** Fragment statistics for multilink bundles and classes

## <fragments>

### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <multilink-detail-statistics>
          <bundle-detail>
            <fragments>
              <input-frames>
                input-frames
              </input-frames>
              <input-fps>
                input-fps
              </input-fps>
              <input-bytes>
                input-bytes
              </input-bytes>
              <input-bps>
                input-bps
              </input-bps>
              <output-frames>
                output-frames
              </output-frames>
              <output-fps>
                output-fps
              </output-fps>
              <output-bytes>
                output-bytes
              </output-bytes>
              <output-bps>
                output-bps
              </output-bps>
            </fragments>
          </bundle-detail>
        </multilink-detail-statistics>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

**Description**    Fragment statistics for multilink bundles and classes

### <fragments>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <multilink-detail-statistics>
          <class-detail>
            <fragments>
              <input-frames>
                input-frames
              </input-frames>
              <input-fps>
                input-fps
              </input-fps>
              <input-bytes>
                input-bytes
              </input-bytes>
              <input-bps>
                input-bps
              </input-bps>
              <output-frames>
                output-frames
              </output-frames>
              <output-fps>
                output-fps
              </output-fps>
              <output-bytes>
                output-bytes
              </output-bytes>
              <output-bps>
                output-bps
              </output-bps>
            </fragments>
          </class-detail>
        </multilink-detail-statistics>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description**    Fragment statistics for multilink bundles and classes

### <fragments>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
```

```

<bundle-detail>
  <fragments>
    <input-frames>
      input-frames
    </input-frames>
    <input-fps>
      input-fps
    </input-fps>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-frames>
      output-frames
    </output-frames>
    <output-fps>
      output-fps
    </output-fps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </fragments>
</bundle-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</interface-filter-information>

```

**Description** Fragment statistics for multilink bundles and classes

## <fragments>

### Usage

```

<interface-filter-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <class-detail>
          <fragments>
            <input-frames>
              input-frames
            </input-frames>
            <input-fps>
              input-fps
            </input-fps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>

```

```
        input-bps
      </input-bps>
    <output-frames>
      output-frames
    </output-frames>
    <output-fps>
      output-fps
    </output-fps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </fragments>
</class-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</interface-filter-information>
```

**Description** Fragment statistics for multilink bundles and classes

## <fragments>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <multilink-detail-statistics>
          <bundle-detail>
            <fragments>
              <input-frames>
                input-frames
              </input-frames>
              <input-fps>
                input-fps
              </input-fps>
              <input-bytes>
                input-bytes
              </input-bytes>
              <input-bps>
                input-bps
              </input-bps>
              <output-frames>
                output-frames
              </output-frames>
              <output-fps>
                output-fps
              </output-fps>
              <output-bytes>
                output-bytes
              </output-bytes>
```

```

        <output-bps>
          output-bps
        </output-bps>
      </fragments>
    </bundle-detail>
  </multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** Fragment statistics for multilink bundles and classes

## <fragments>

### Usage

```

<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <class-detail>
          <fragments>
            <input-frames>
              input-frames
            </input-frames>
            <input-fps>
              input-fps
            </input-fps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>
              input-bps
            </input-bps>
            <output-frames>
              output-frames
            </output-frames>
            <output-fps>
              output-fps
            </output-fps>
            <output-bytes>
              output-bytes
            </output-bytes>
            <output-bps>
              output-bps
            </output-bps>
          </fragments>
        </class-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</physical-interface>

```

</interface-policer-information>

**Description** Fragment statistics for multilink bundles and classes

### <fragments>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>
          <fragments>
            <input-frames>
              input-frames
            </input-frames>
            <input-fps>
              input-fps
            </input-fps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>
              input-bps
            </input-bps>
            <output-frames>
              output-frames
            </output-frames>
            <output-fps>
              output-fps
            </output-fps>
            <output-bytes>
              output-bytes
            </output-bytes>
            <output-bps>
              output-bps
            </output-bps>
          </fragments>
        </bundle-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-policer-information>
```

**Description** Fragment statistics for multilink bundles and classes

### <fragments>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <multilink-traffic-statistics>
```

```

<multilink-detail-statistics>
  <class-detail>
    <fragments>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-frames>
        output-frames
      </output-frames>
      <output-fps>
        output-fps
      </output-fps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
    </fragments>
  </class-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</interface-policer-information>

```

**Description** Fragment statistics for multilink bundles and classes

### <from-dce>

#### Usage

```

<serial-information>
  <eia530-control-signal>
    <from-dce>
      <dtr>
        dtr
      </dtr>
      <rts>
        rts
      </rts>
      <cts>
        cts
      </cts>
      <dcd>
        dcd
      </dcd>
    </from-dce>
  </eia530-control-signal>
</serial-information>

```

```
<dsr>
  dsr
</dsr>
<tm>
  tm
</tm>
</from-dce>
</eia530-control-signal>
</serial-information>
```

#### Description

#### <from-dce>

#### Usage

```
<physical-interface>
  <serial-information>
    <eia530-control-signal>
      <from-dce>
        <dtr>
          dtr
        </dtr>
        <rts>
          rts
        </rts>
        <cts>
          cts
        </cts>
        <dcd>
          dcd
        </dcd>
        <dsr>
          dsr
        </dsr>
        <tm>
          tm
        </tm>
      </from-dce>
    </eia530-control-signal>
  </serial-information>
</physical-interface>
```

#### Description

#### <from-dce>

#### Usage

```
<interface-information>
  <physical-interface>
    <serial-information>
      <eia530-control-signal>
        <from-dce>
          <dtr>
            dtr
          </dtr>
```



```

    </dtr>
    <rts>
      rts
    </rts>
    <cts>
      cts
    </cts>
    <dcd>
      dcd
    </dcd>
    <dsr>
      dsr
    </dsr>
    <tm>
      tm
    </tm>
  </from-dce>
</eia530-control-signal>
</serial-information>
</physical-interface>
</interface-information>

```

## Description

### <from-dce>

## Usage

```

<interface-filter-information>
<physical-interface>
  <serial-information>
    <eia530-control-signal>
      <from-dce>
        <dtr>
          dtr
        </dtr>
        <rts>
          rts
        </rts>
        <cts>
          cts
        </cts>
        <dcd>
          dcd
        </dcd>
        <dsr>
          dsr
        </dsr>
        <tm>
          tm
        </tm>
      </from-dce>
    </eia530-control-signal>
  </serial-information>
</physical-interface>

```

</interface-filter-information>

#### Description

<from-dce>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <serial-information>
      <eia530-control-signal>
        <from-dce>
          <dtr>
            dtr
          </dtr>
          <rts>
            rts
          </rts>
          <cts>
            cts
          </cts>
          <dcd>
            dcd
          </dcd>
          <dsr>
            dsr
          </dsr>
          <tm>
            tm
          </tm>
        </from-dce>
      </eia530-control-signal>
    </serial-information>
  </physical-interface>
</interface-policer-information>
```

#### Description

<from-dte>

#### Usage

```
<serial-information>
  <eia530-control-signal>
    <from-dte>
      <dtr>
        dtr
      </dtr>
      <rts>
        rts
      </rts>
      <cts>
        cts
      </cts>
      <dcd>
```

```

    dcd
  </dcd>
  <dsr>
    dsr
  </dsr>
  <tm>
    tm
  </tm>
</from-dte>
</eia530-control-signal>
</serial-information>

```

#### Description

<from-dte>

#### Usage

```

<physical-interface>
  <serial-information>
    <eia530-control-signal>
      <from-dte>
        <dtr>
          dtr
        </dtr>
        <rts>
          rts
        </rts>
        <cts>
          cts
        </cts>
        <dcd>
          dcd
        </dcd>
        <dsr>
          dsr
        </dsr>
        <tm>
          tm
        </tm>
      </from-dte>
    </eia530-control-signal>
  </serial-information>
</physical-interface>

```

#### Description

<from-dte>

#### Usage

```

<interface-information>
  <physical-interface>
    <serial-information>
      <eia530-control-signal>
        <from-dte>

```

```
<dtr>
  dtr
</dtr>
<rts>
  rts
</rts>
<cts>
  cts
</cts>
<dcd>
  dcd
</dcd>
<dsr>
  dsr
</dsr>
<tm>
  tm
</tm>
</from-dte>
</eia530-control-signal>
</serial-information>
</physical-interface>
</interface-information>
```

## Description

### <from-dte>

#### Usage

```
<interface-filter-information>
<physical-interface>
<serial-information>
<eia530-control-signal>
  <from-dte>
    <dtr>
      dtr
    </dtr>
    <rts>
      rts
    </rts>
    <cts>
      cts
    </cts>
    <dcd>
      dcd
    </dcd>
    <dsr>
      dsr
    </dsr>
    <tm>
      tm
    </tm>
  </from-dte>
</eia530-control-signal>
</serial-information>
```

```

    </physical-interface>
  </interface-filter-information>

```

#### Description

<from-dte>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <serial-information>
      <eia530-control-signal>
        <from-dte>
          <dtr>
            dtr
          </dtr>
          <rts>
            rts
          </rts>
          <cts>
            cts
          </cts>
          <dcd>
            dcd
          </dcd>
          <dsr>
            dsr
          </dsr>
          <tm>
            tm
          </tm>
        </from-dte>
      </eia530-control-signal>
    </serial-information>
  </physical-interface>
</interface-policer-information>

```

#### Description

<hdlc-information>

#### Usage

```

<hdlc-information>
  <hdlc-rx-bucket-state>
    hdlc-rx-bucket-state
  </hdlc-rx-bucket-state>
  <hdlc-rx-bit-rate>
    hdlc-rx-bit-rate
  </hdlc-rx-bit-rate>
  <hdlc-rx-threshold>
    hdlc-rx-threshold
  </hdlc-rx-threshold>
  <hdlc-tx-bit-rate>
    hdlc-tx-bit-rate

```

```
</hdlc-tx-bit-rate>
<hdlc-tx-bucket-state>
  hdlc-tx-bucket-state
</hdlc-tx-bucket-state>
<hdlc-tx-threshold>
  hdlc-tx-threshold
</hdlc-tx-threshold>
<hdlc-giant-threshold>
  hdlc-giant-threshold
</hdlc-giant-threshold>
<hdlc-runt-threshold>
  hdlc-runt-threshold
</hdlc-runt-threshold>
</hdlc-information>
```

## Description

### <hdlc-information>

#### Usage

```
<physical-interface>
  <hdlc-information>
    <hdlc-rx-bucket-state>
      hdlc-rx-bucket-state
    </hdlc-rx-bucket-state>
    <hdlc-rx-bit-rate>
      hdlc-rx-bit-rate
    </hdlc-rx-bit-rate>
    <hdlc-rx-threshold>
      hdlc-rx-threshold
    </hdlc-rx-threshold>
    <hdlc-tx-bit-rate>
      hdlc-tx-bit-rate
    </hdlc-tx-bit-rate>
    <hdlc-tx-bucket-state>
      hdlc-tx-bucket-state
    </hdlc-tx-bucket-state>
    <hdlc-tx-threshold>
      hdlc-tx-threshold
    </hdlc-tx-threshold>
    <hdlc-giant-threshold>
      hdlc-giant-threshold
    </hdlc-giant-threshold>
    <hdlc-runt-threshold>
      hdlc-runt-threshold
    </hdlc-runt-threshold>
  </hdlc-information>
</physical-interface>
```

## Description

**<hdlc-information>****Usage**

```

<interface-information>
<physical-interface>
  <hdlc-information>
    <hdlc-rx-bucket-state>
      hdlc-rx-bucket-state
    </hdlc-rx-bucket-state>
    <hdlc-rx-bit-rate>
      hdlc-rx-bit-rate
    </hdlc-rx-bit-rate>
    <hdlc-rx-threshold>
      hdlc-rx-threshold
    </hdlc-rx-threshold>
    <hdlc-tx-bit-rate>
      hdlc-tx-bit-rate
    </hdlc-tx-bit-rate>
    <hdlc-tx-bucket-state>
      hdlc-tx-bucket-state
    </hdlc-tx-bucket-state>
    <hdlc-tx-threshold>
      hdlc-tx-threshold
    </hdlc-tx-threshold>
    <hdlc-giant-threshold>
      hdlc-giant-threshold
    </hdlc-giant-threshold>
    <hdlc-runt-threshold>
      hdlc-runt-threshold
    </hdlc-runt-threshold>
  </hdlc-information>
</physical-interface>
</interface-information>

```

**Description****<hdlc-information>****Usage**

```

<interface-filter-information>
<physical-interface>
  <hdlc-information>
    <hdlc-rx-bucket-state>
      hdlc-rx-bucket-state
    </hdlc-rx-bucket-state>
    <hdlc-rx-bit-rate>
      hdlc-rx-bit-rate
    </hdlc-rx-bit-rate>
    <hdlc-rx-threshold>
      hdlc-rx-threshold
    </hdlc-rx-threshold>
    <hdlc-tx-bit-rate>
      hdlc-tx-bit-rate
    </hdlc-tx-bit-rate>
  </hdlc-information>
</physical-interface>

```

```
<hdlc-tx-bucket-state>
  hdlc-tx-bucket-state
</hdlc-tx-bucket-state>
<hdlc-tx-threshold>
  hdlc-tx-threshold
</hdlc-tx-threshold>
<hdlc-giant-threshold>
  hdlc-giant-threshold
</hdlc-giant-threshold>
<hdlc-runt-threshold>
  hdlc-runt-threshold
</hdlc-runt-threshold>
</hdlc-information>
</physical-interface>
</interface-filter-information>
```

#### Description

#### <hdlc-information>

##### Usage

```
<interface-policer-information>
<physical-interface>
  <hdlc-information>
    <hdlc-rx-bucket-state>
      hdlc-rx-bucket-state
    </hdlc-rx-bucket-state>
    <hdlc-rx-bit-rate>
      hdlc-rx-bit-rate
    </hdlc-rx-bit-rate>
    <hdlc-rx-threshold>
      hdlc-rx-threshold
    </hdlc-rx-threshold>
    <hdlc-tx-bit-rate>
      hdlc-tx-bit-rate
    </hdlc-tx-bit-rate>
    <hdlc-tx-bucket-state>
      hdlc-tx-bucket-state
    </hdlc-tx-bucket-state>
    <hdlc-tx-threshold>
      hdlc-tx-threshold
    </hdlc-tx-threshold>
    <hdlc-giant-threshold>
      hdlc-giant-threshold
    </hdlc-giant-threshold>
    <hdlc-runt-threshold>
      hdlc-runt-threshold
    </hdlc-runt-threshold>
  </hdlc-information>
</physical-interface>
</interface-policer-information>
```

#### Description



## <if-config-flags>

### Usage

```

<if-config-flags>
  <iff-none>
    iff-none
  </iff-none>
  <iff-hardware-down>
    iff-hardware-down
  </iff-hardware-down>
  <iff-down>
    iff-down
  </iff-down>
  <iff-up>
    iff-up
  </iff-up>
  <iff-admin-down>
    iff-admin-down
  </iff-admin-down>
  <iff-admin-up>
    iff-admin-up
  </iff-admin-up>
  <iff-link-down>
    iff-link-down
  </iff-link-down>
  <iff-device-down>
    iff-device-down
  </iff-device-down>
  <iff-point-to-point>
    iff-point-to-point
  </iff-point-to-point>
  <iff-point-to-multipoint>
    iff-point-to-multipoint
  </iff-point-to-multipoint>
  <plp-to-clp>
    plp-to-clp
  </plp-to-clp>
  <iff-multiaccess>
    iff-multiaccess
  </iff-multiaccess>
  <iff-change>
    iff-change
  </iff-change>
  <iff-inverse-arp>
    iff-inverse-arp
  </iff-inverse-arp>
  <iff-no-multicast>
    iff-no-multicast
  </iff-no-multicast>
  <iff-multicast>
    iff-multicast
  </iff-multicast>
  <iff-promiscuous>
    iff-promiscuous
  </iff-promiscuous>

```

```
<iff-all-multicast>
  iff-all-multicast
</iff-all-multicast>
<iff-snmp-traps>
  iff-snmp-traps
</iff-snmp-traps>
<iff-rx-passive>
  iff-rx-passive
</iff-rx-passive>
<iff-tx-passive>
  iff-tx-passive
</iff-tx-passive>
<iff-ccc-down>
  iff-ccc-down
</iff-ccc-down>
<iff-clear-df>
  iff-clear-df
</iff-clear-df>
<iff-tunnel-reassembly>
  iff-tunnel-reassembly
</iff-tunnel-reassembly>
<iff-acfc>
  iff-acfc
</iff-acfc>
<iff-pfc>
  iff-pfc
</iff-pfc>
<iff-rdd>
  iff-rdd
</iff-rdd>
<iff-looped>
  iff-looped
</iff-looped>
<internal-flags>
  internal-flags
</internal-flags>
</if-config-flags>
```

#### Description

#### <if-config-flags>

#### Usage

```
<logical-interface>
  <if-config-flags>
    <iff-none>
      iff-none
    </iff-none>
    <iff-hardware-down>
      iff-hardware-down
    </iff-hardware-down>
    <iff-down>
      iff-down
    </iff-down>
    <iff-up>
```

```
    iff-up
  </iff-up>
  <iff-admin-down>
    iff-admin-down
  </iff-admin-down>
  <iff-admin-up>
    iff-admin-up
  </iff-admin-up>
  <iff-link-down>
    iff-link-down
  </iff-link-down>
  <iff-device-down>
    iff-device-down
  </iff-device-down>
  <iff-point-to-point>
    iff-point-to-point
  </iff-point-to-point>
  <iff-point-to-multipoint>
    iff-point-to-multipoint
  </iff-point-to-multipoint>
  <plp-to-clp>
    plp-to-clp
  </plp-to-clp>
  <iff-multiaccess>
    iff-multiaccess
  </iff-multiaccess>
  <iff-change>
    iff-change
  </iff-change>
  <iff-inverse-arp>
    iff-inverse-arp
  </iff-inverse-arp>
  <iff-no-multicast>
    iff-no-multicast
  </iff-no-multicast>
  <iff-multicast>
    iff-multicast
  </iff-multicast>
  <iff-promiscuous>
    iff-promiscuous
  </iff-promiscuous>
  <iff-all-multicast>
    iff-all-multicast
  </iff-all-multicast>
  <iff-snmp-traps>
    iff-snmp-traps
  </iff-snmp-traps>
  <iff-rx-passive>
    iff-rx-passive
  </iff-rx-passive>
  <iff-tx-passive>
    iff-tx-passive
  </iff-tx-passive>
  <iff-ccc-down>
    iff-ccc-down
  </iff-ccc-down>
```

```
<iff-clear-df>
  iff-clear-df
</iff-clear-df>
<iff-tunnel-reassembly>
  iff-tunnel-reassembly
</iff-tunnel-reassembly>
<iff-acfc>
  iff-acfc
</iff-acfc>
<iff-pfc>
  iff-pfc
</iff-pfc>
<iff-rdd>
  iff-rdd
</iff-rdd>
<iff-looped>
  iff-looped
</iff-looped>
<internal-flags>
  internal-flags
</internal-flags>
</if-config-flags>
</logical-interface>
```

#### Description

#### <if-config-flags>

##### Usage

```
<physical-interface>
<if-config-flags>
  <iff-none>
    iff-none
  </iff-none>
  <iff-hardware-down>
    iff-hardware-down
  </iff-hardware-down>
  <iff-down>
    iff-down
  </iff-down>
  <iff-up>
    iff-up
  </iff-up>
  <iff-admin-down>
    iff-admin-down
  </iff-admin-down>
  <iff-admin-up>
    iff-admin-up
  </iff-admin-up>
  <iff-link-down>
    iff-link-down
  </iff-link-down>
  <iff-device-down>
    iff-device-down
  </iff-device-down>
```

```
<iff-point-to-point>
  iff-point-to-point
</iff-point-to-point>
<iff-point-to-multipoint>
  iff-point-to-multipoint
</iff-point-to-multipoint>
<plp-to-clp>
  plp-to-clp
</plp-to-clp>
<iff-multiaccess>
  iff-multiaccess
</iff-multiaccess>
<iff-change>
  iff-change
</iff-change>
<iff-inverse-arp>
  iff-inverse-arp
</iff-inverse-arp>
<iff-no-multicast>
  iff-no-multicast
</iff-no-multicast>
<iff-multicast>
  iff-multicast
</iff-multicast>
<iff-promiscuous>
  iff-promiscuous
</iff-promiscuous>
<iff-all-multicast>
  iff-all-multicast
</iff-all-multicast>
<iff-snmp-traps>
  iff-snmp-traps
</iff-snmp-traps>
<iff-rx-passive>
  iff-rx-passive
</iff-rx-passive>
<iff-tx-passive>
  iff-tx-passive
</iff-tx-passive>
<iff-ccc-down>
  iff-ccc-down
</iff-ccc-down>
<iff-clear-df>
  iff-clear-df
</iff-clear-df>
<iff-tunnel-reassembly>
  iff-tunnel-reassembly
</iff-tunnel-reassembly>
<iff-acfc>
  iff-acfc
</iff-acfc>
<iff-pfc>
  iff-pfc
</iff-pfc>
<iff-rdd>
  iff-rdd
```

```
</iff-rdd>
<iff-looped>
  iff-looped
</iff-looped>
<internal-flags>
  internal-flags
</internal-flags>
</if-config-flags>
</physical-interface>
```

## Description

### <if-config-flags>

#### Usage

```
<physical-interface>
<logical-interface>
  <if-config-flags>
    <iff-none>
      iff-none
    </iff-none>
    <iff-hardware-down>
      iff-hardware-down
    </iff-hardware-down>
    <iff-down>
      iff-down
    </iff-down>
    <iff-up>
      iff-up
    </iff-up>
    <iff-admin-down>
      iff-admin-down
    </iff-admin-down>
    <iff-admin-up>
      iff-admin-up
    </iff-admin-up>
    <iff-link-down>
      iff-link-down
    </iff-link-down>
    <iff-device-down>
      iff-device-down
    </iff-device-down>
    <iff-point-to-point>
      iff-point-to-point
    </iff-point-to-point>
    <iff-point-to-multipoint>
      iff-point-to-multipoint
    </iff-point-to-multipoint>
    <plp-to-clp>
      plp-to-clp
    </plp-to-clp>
    <iff-multiaccess>
      iff-multiaccess
    </iff-multiaccess>
    <iff-change>
```

```
    iff-change
</iff-change>
<iff-inverse-arp>
    iff-inverse-arp
</iff-inverse-arp>
<iff-no-multicast>
    iff-no-multicast
</iff-no-multicast>
<iff-multicast>
    iff-multicast
</iff-multicast>
<iff-promiscuous>
    iff-promiscuous
</iff-promiscuous>
<iff-all-multicast>
    iff-all-multicast
</iff-all-multicast>
<iff-snmp-traps>
    iff-snmp-traps
</iff-snmp-traps>
<iff-rx-passive>
    iff-rx-passive
</iff-rx-passive>
<iff-tx-passive>
    iff-tx-passive
</iff-tx-passive>
<iff-ccc-down>
    iff-ccc-down
</iff-ccc-down>
<iff-clear-df>
    iff-clear-df
</iff-clear-df>
<iff-tunnel-reassembly>
    iff-tunnel-reassembly
</iff-tunnel-reassembly>
<iff-acfc>
    iff-acfc
</iff-acfc>
<iff-pfc>
    iff-pfc
</iff-pfc>
<iff-rdd>
    iff-rdd
</iff-rdd>
<iff-looped>
    iff-looped
</iff-looped>
<internal-flags>
    internal-flags
</internal-flags>
</if-config-flags>
</logical-interface>
</physical-interface>
```

**Description****<if-config-flags>****Usage**

```
<interface-information>
<physical-interface>
  <if-config-flags>
    <iff-none>
      iff-none
    </iff-none>
    <iff-hardware-down>
      iff-hardware-down
    </iff-hardware-down>
    <iff-down>
      iff-down
    </iff-down>
    <iff-up>
      iff-up
    </iff-up>
    <iff-admin-down>
      iff-admin-down
    </iff-admin-down>
    <iff-admin-up>
      iff-admin-up
    </iff-admin-up>
    <iff-link-down>
      iff-link-down
    </iff-link-down>
    <iff-device-down>
      iff-device-down
    </iff-device-down>
    <iff-point-to-point>
      iff-point-to-point
    </iff-point-to-point>
    <iff-point-to-multipoint>
      iff-point-to-multipoint
    </iff-point-to-multipoint>
    <plp-to-clp>
      plp-to-clp
    </plp-to-clp>
    <iff-multiaccess>
      iff-multiaccess
    </iff-multiaccess>
    <iff-change>
      iff-change
    </iff-change>
    <iff-inverse-arp>
      iff-inverse-arp
    </iff-inverse-arp>
    <iff-no-multicast>
      iff-no-multicast
    </iff-no-multicast>
    <iff-multicast>
      iff-multicast
    </iff-multicast>
```



```

<iff-promiscuous>
  iff-promiscuous
</iff-promiscuous>
<iff-all-multicast>
  iff-all-multicast
</iff-all-multicast>
<iff-snmp-traps>
  iff-snmp-traps
</iff-snmp-traps>
<iff-rx-passive>
  iff-rx-passive
</iff-rx-passive>
<iff-tx-passive>
  iff-tx-passive
</iff-tx-passive>
<iff-ccc-down>
  iff-ccc-down
</iff-ccc-down>
<iff-clear-df>
  iff-clear-df
</iff-clear-df>
<iff-tunnel-reassembly>
  iff-tunnel-reassembly
</iff-tunnel-reassembly>
<iff-acfc>
  iff-acfc
</iff-acfc>
<iff-pfc>
  iff-pfc
</iff-pfc>
<iff-rdd>
  iff-rdd
</iff-rdd>
<iff-looped>
  iff-looped
</iff-looped>
<internal-flags>
  internal-flags
</internal-flags>
</if-config-flags>
</physical-interface>
</interface-information>

```

## Description

<if-config-flags>

## Usage

```

<interface-information>
<physical-interface>
<logical-interface>
  <if-config-flags>
    <iff-none>
      iff-none
    </iff-none>

```

```
<iff-hardware-down>
  iff-hardware-down
</iff-hardware-down>
<iff-down>
  iff-down
</iff-down>
<iff-up>
  iff-up
</iff-up>
<iff-admin-down>
  iff-admin-down
</iff-admin-down>
<iff-admin-up>
  iff-admin-up
</iff-admin-up>
<iff-link-down>
  iff-link-down
</iff-link-down>
<iff-device-down>
  iff-device-down
</iff-device-down>
<iff-point-to-point>
  iff-point-to-point
</iff-point-to-point>
<iff-point-to-multipoint>
  iff-point-to-multipoint
</iff-point-to-multipoint>
<plp-to-clp>
  plp-to-clp
</plp-to-clp>
<iff-multiaccess>
  iff-multiaccess
</iff-multiaccess>
<iff-change>
  iff-change
</iff-change>
<iff-inverse-arp>
  iff-inverse-arp
</iff-inverse-arp>
<iff-no-multicast>
  iff-no-multicast
</iff-no-multicast>
<iff-multicast>
  iff-multicast
</iff-multicast>
<iff-promiscuous>
  iff-promiscuous
</iff-promiscuous>
<iff-all-multicast>
  iff-all-multicast
</iff-all-multicast>
<iff-snmp-traps>
  iff-snmp-traps
</iff-snmp-traps>
<iff-rx-passive>
  iff-rx-passive
```

```

</iff-rx-passive>
<iff-tx-passive>
  iff-tx-passive
</iff-tx-passive>
<iff-ccc-down>
  iff-ccc-down
</iff-ccc-down>
<iff-clear-df>
  iff-clear-df
</iff-clear-df>
<iff-tunnel-reassembly>
  iff-tunnel-reassembly
</iff-tunnel-reassembly>
<iff-acfc>
  iff-acfc
</iff-acfc>
<iff-pfc>
  iff-pfc
</iff-pfc>
<iff-rdd>
  iff-rdd
</iff-rdd>
<iff-looped>
  iff-looped
</iff-looped>
<internal-flags>
  internal-flags
</internal-flags>
</if-config-flags>
</logical-interface>
</physical-interface>
</interface-information>

```

## Description

### <if-config-flags>

#### Usage

```

<interface-information>
  <logical-interface>
    <if-config-flags>
      <iff-none>
        iff-none
      </iff-none>
      <iff-hardware-down>
        iff-hardware-down
      </iff-hardware-down>
      <iff-down>
        iff-down
      </iff-down>
      <iff-up>
        iff-up
      </iff-up>
      <iff-admin-down>
        iff-admin-down
    
```

```
</iff-admin-down>
<iff-admin-up>
  iff-admin-up
</iff-admin-up>
<iff-link-down>
  iff-link-down
</iff-link-down>
<iff-device-down>
  iff-device-down
</iff-device-down>
<iff-point-to-point>
  iff-point-to-point
</iff-point-to-point>
<iff-point-to-multipoint>
  iff-point-to-multipoint
</iff-point-to-multipoint>
<plp-to-clp>
  plp-to-clp
</plp-to-clp>
<iff-multiaccess>
  iff-multiaccess
</iff-multiaccess>
<iff-change>
  iff-change
</iff-change>
<iff-inverse-arp>
  iff-inverse-arp
</iff-inverse-arp>
<iff-no-multicast>
  iff-no-multicast
</iff-no-multicast>
<iff-multicast>
  iff-multicast
</iff-multicast>
<iff-promiscuous>
  iff-promiscuous
</iff-promiscuous>
<iff-all-multicast>
  iff-all-multicast
</iff-all-multicast>
<iff-snmp-traps>
  iff-snmp-traps
</iff-snmp-traps>
<iff-rx-passive>
  iff-rx-passive
</iff-rx-passive>
<iff-tx-passive>
  iff-tx-passive
</iff-tx-passive>
<iff-ccc-down>
  iff-ccc-down
</iff-ccc-down>
<iff-clear-df>
  iff-clear-df
</iff-clear-df>
<iff-tunnel-reassembly>
```

```

    iff-tunnel-reassembly
  </iff-tunnel-reassembly>
  <iff-acfc>
    iff-acfc
  </iff-acfc>
  <iff-pfc>
    iff-pfc
  </iff-pfc>
  <iff-rdd>
    iff-rdd
  </iff-rdd>
  <iff-looped>
    iff-looped
  </iff-looped>
  <internal-flags>
    internal-flags
  </internal-flags>
</if-config-flags>
</logical-interface>
</interface-information>

```

## Description

### <if-config-flags>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <if-config-flags>
      <iff-none>
        iff-none
      </iff-none>
      <iff-hardware-down>
        iff-hardware-down
      </iff-hardware-down>
      <iff-down>
        iff-down
      </iff-down>
      <iff-up>
        iff-up
      </iff-up>
      <iff-admin-down>
        iff-admin-down
      </iff-admin-down>
      <iff-admin-up>
        iff-admin-up
      </iff-admin-up>
      <iff-link-down>
        iff-link-down
      </iff-link-down>
      <iff-device-down>
        iff-device-down
      </iff-device-down>
      <iff-point-to-point>
        iff-point-to-point
    </if-config-flags>
  </physical-interface>
</interface-filter-information>

```

```
</iff-point-to-point>
<iff-point-to-multipoint>
  iff-point-to-multipoint
</iff-point-to-multipoint>
<plp-to-clp>
  plp-to-clp
</plp-to-clp>
<iff-multiaccess>
  iff-multiaccess
</iff-multiaccess>
<iff-change>
  iff-change
</iff-change>
<iff-inverse-arp>
  iff-inverse-arp
</iff-inverse-arp>
<iff-no-multicast>
  iff-no-multicast
</iff-no-multicast>
<iff-multicast>
  iff-multicast
</iff-multicast>
<iff-promiscuous>
  iff-promiscuous
</iff-promiscuous>
<iff-all-multicast>
  iff-all-multicast
</iff-all-multicast>
<iff-snmp-traps>
  iff-snmp-traps
</iff-snmp-traps>
<iff-rx-passive>
  iff-rx-passive
</iff-rx-passive>
<iff-tx-passive>
  iff-tx-passive
</iff-tx-passive>
<iff-ccc-down>
  iff-ccc-down
</iff-ccc-down>
<iff-clear-df>
  iff-clear-df
</iff-clear-df>
<iff-tunnel-reassembly>
  iff-tunnel-reassembly
</iff-tunnel-reassembly>
<iff-acfc>
  iff-acfc
</iff-acfc>
<iff-pfc>
  iff-pfc
</iff-pfc>
<iff-rdd>
  iff-rdd
</iff-rdd>
<iff-looped>
```

```

    iff-looped
  </iff-looped>
  <internal-flags>
    internal-flags
  </internal-flags>
</if-config-flags>
</physical-interface>
</interface-filter-information>

```

## Description

### <if-config-flags>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <if-config-flags>
        <iff-none>
          iff-none
        </iff-none>
        <iff-hardware-down>
          iff-hardware-down
        </iff-hardware-down>
        <iff-down>
          iff-down
        </iff-down>
        <iff-up>
          iff-up
        </iff-up>
        <iff-admin-down>
          iff-admin-down
        </iff-admin-down>
        <iff-admin-up>
          iff-admin-up
        </iff-admin-up>
        <iff-link-down>
          iff-link-down
        </iff-link-down>
        <iff-device-down>
          iff-device-down
        </iff-device-down>
        <iff-point-to-point>
          iff-point-to-point
        </iff-point-to-point>
        <iff-point-to-multipoint>
          iff-point-to-multipoint
        </iff-point-to-multipoint>
        <plp-to-clp>
          plp-to-clp
        </plp-to-clp>
        <iff-multiaccess>
          iff-multiaccess
        </iff-multiaccess>
        <iff-change>

```

```
    iff-change
  </iff-change>
  <iff-inverse-arp>
    iff-inverse-arp
  </iff-inverse-arp>
  <iff-no-multicast>
    iff-no-multicast
  </iff-no-multicast>
  <iff-multicast>
    iff-multicast
  </iff-multicast>
  <iff-promiscuous>
    iff-promiscuous
  </iff-promiscuous>
  <iff-all-multicast>
    iff-all-multicast
  </iff-all-multicast>
  <iff-snmp-traps>
    iff-snmp-traps
  </iff-snmp-traps>
  <iff-rx-passive>
    iff-rx-passive
  </iff-rx-passive>
  <iff-tx-passive>
    iff-tx-passive
  </iff-tx-passive>
  <iff-ccc-down>
    iff-ccc-down
  </iff-ccc-down>
  <iff-clear-df>
    iff-clear-df
  </iff-clear-df>
  <iff-tunnel-reassembly>
    iff-tunnel-reassembly
  </iff-tunnel-reassembly>
  <iff-acfc>
    iff-acfc
  </iff-acfc>
  <iff-pfc>
    iff-pfc
  </iff-pfc>
  <iff-rdd>
    iff-rdd
  </iff-rdd>
  <iff-looped>
    iff-looped
  </iff-looped>
  <internal-flags>
    internal-flags
  </internal-flags>
</if-config-flags>
</logical-interface>
</physical-interface>
</interface-filter-information>
```



## Description

## &lt;if-config-flags&gt;

## Usage

```

<interface-filter-information>
  <logical-interface>
    <if-config-flags>
      <iff-none>
        iff-none
      </iff-none>
      <iff-hardware-down>
        iff-hardware-down
      </iff-hardware-down>
      <iff-down>
        iff-down
      </iff-down>
      <iff-up>
        iff-up
      </iff-up>
      <iff-admin-down>
        iff-admin-down
      </iff-admin-down>
      <iff-admin-up>
        iff-admin-up
      </iff-admin-up>
      <iff-link-down>
        iff-link-down
      </iff-link-down>
      <iff-device-down>
        iff-device-down
      </iff-device-down>
      <iff-point-to-point>
        iff-point-to-point
      </iff-point-to-point>
      <iff-point-to-multipoint>
        iff-point-to-multipoint
      </iff-point-to-multipoint>
      <plp-to-clp>
        plp-to-clp
      </plp-to-clp>
      <iff-multiaccess>
        iff-multiaccess
      </iff-multiaccess>
      <iff-change>
        iff-change
      </iff-change>
      <iff-inverse-arp>
        iff-inverse-arp
      </iff-inverse-arp>
      <iff-no-multicast>
        iff-no-multicast
      </iff-no-multicast>
      <iff-multicast>
        iff-multicast
      </iff-multicast>

```

```
<iff-promiscuous>
  iff-promiscuous
</iff-promiscuous>
<iff-all-multicast>
  iff-all-multicast
</iff-all-multicast>
<iff-snmp-traps>
  iff-snmp-traps
</iff-snmp-traps>
<iff-rx-passive>
  iff-rx-passive
</iff-rx-passive>
<iff-tx-passive>
  iff-tx-passive
</iff-tx-passive>
<iff-ccc-down>
  iff-ccc-down
</iff-ccc-down>
<iff-clear-df>
  iff-clear-df
</iff-clear-df>
<iff-tunnel-reassembly>
  iff-tunnel-reassembly
</iff-tunnel-reassembly>
<iff-acfc>
  iff-acfc
</iff-acfc>
<iff-pfc>
  iff-pfc
</iff-pfc>
<iff-rdd>
  iff-rdd
</iff-rdd>
<iff-looped>
  iff-looped
</iff-looped>
<internal-flags>
  internal-flags
</internal-flags>
</if-config-flags>
</logical-interface>
</interface-filter-information>
```

#### Description

#### <if-config-flags>

##### Usage

```
<interface-policer-information>
<physical-interface>
  <if-config-flags>
    <iff-none>
      iff-none
    </iff-none>
    <iff-hardware-down>
```

```
    iff-hardware-down
  </iff-hardware-down>
  <iff-down>
    iff-down
  </iff-down>
  <iff-up>
    iff-up
  </iff-up>
  <iff-admin-down>
    iff-admin-down
  </iff-admin-down>
  <iff-admin-up>
    iff-admin-up
  </iff-admin-up>
  <iff-link-down>
    iff-link-down
  </iff-link-down>
  <iff-device-down>
    iff-device-down
  </iff-device-down>
  <iff-point-to-point>
    iff-point-to-point
  </iff-point-to-point>
  <iff-point-to-multipoint>
    iff-point-to-multipoint
  </iff-point-to-multipoint>
  <plp-to-clp>
    plp-to-clp
  </plp-to-clp>
  <iff-multiaccess>
    iff-multiaccess
  </iff-multiaccess>
  <iff-change>
    iff-change
  </iff-change>
  <iff-inverse-arp>
    iff-inverse-arp
  </iff-inverse-arp>
  <iff-no-multicast>
    iff-no-multicast
  </iff-no-multicast>
  <iff-multicast>
    iff-multicast
  </iff-multicast>
  <iff-promiscuous>
    iff-promiscuous
  </iff-promiscuous>
  <iff-all-multicast>
    iff-all-multicast
  </iff-all-multicast>
  <iff-snmp-traps>
    iff-snmp-traps
  </iff-snmp-traps>
  <iff-rx-passive>
    iff-rx-passive
  </iff-rx-passive>
```

```
<iff-tx-passive>
  iff-tx-passive
</iff-tx-passive>
<iff-ccc-down>
  iff-ccc-down
</iff-ccc-down>
<iff-clear-df>
  iff-clear-df
</iff-clear-df>
<iff-tunnel-reassembly>
  iff-tunnel-reassembly
</iff-tunnel-reassembly>
<iff-acfc>
  iff-acfc
</iff-acfc>
<iff-pfc>
  iff-pfc
</iff-pfc>
<iff-rdd>
  iff-rdd
</iff-rdd>
<iff-looped>
  iff-looped
</iff-looped>
<internal-flags>
  internal-flags
</internal-flags>
</if-config-flags>
</physical-interface>
</interface-policer-information>
```

## Description

### <if-config-flags>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
  <if-config-flags>
    <iff-none>
      iff-none
    </iff-none>
    <iff-hardware-down>
      iff-hardware-down
    </iff-hardware-down>
    <iff-down>
      iff-down
    </iff-down>
    <iff-up>
      iff-up
    </iff-up>
    <iff-admin-down>
      iff-admin-down
    </iff-admin-down>
```

```
<iff-admin-up>
  iff-admin-up
</iff-admin-up>
<iff-link-down>
  iff-link-down
</iff-link-down>
<iff-device-down>
  iff-device-down
</iff-device-down>
<iff-point-to-point>
  iff-point-to-point
</iff-point-to-point>
<iff-point-to-multipoint>
  iff-point-to-multipoint
</iff-point-to-multipoint>
<plp-to-clp>
  plp-to-clp
</plp-to-clp>
<iff-multiaccess>
  iff-multiaccess
</iff-multiaccess>
<iff-change>
  iff-change
</iff-change>
<iff-inverse-arp>
  iff-inverse-arp
</iff-inverse-arp>
<iff-no-multicast>
  iff-no-multicast
</iff-no-multicast>
<iff-multicast>
  iff-multicast
</iff-multicast>
<iff-promiscuous>
  iff-promiscuous
</iff-promiscuous>
<iff-all-multicast>
  iff-all-multicast
</iff-all-multicast>
<iff-snmp-traps>
  iff-snmp-traps
</iff-snmp-traps>
<iff-rx-passive>
  iff-rx-passive
</iff-rx-passive>
<iff-tx-passive>
  iff-tx-passive
</iff-tx-passive>
<iff-ccc-down>
  iff-ccc-down
</iff-ccc-down>
<iff-clear-df>
  iff-clear-df
</iff-clear-df>
<iff-tunnel-reassembly>
  iff-tunnel-reassembly
```

```
</iff-tunnel-reassembly>
<iff-acfc>
  iff-acfc
</iff-acfc>
<iff-pfc>
  iff-pfc
</iff-pfc>
<iff-rdd>
  iff-rdd
</iff-rdd>
<iff-looped>
  iff-looped
</iff-looped>
<internal-flags>
  internal-flags
</internal-flags>
</if-config-flags>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

## Description

### <if-config-flags>

#### Usage

```
<interface-policer-information>
<logical-interface>
  <if-config-flags>
    <iff-none>
      iff-none
    </iff-none>
    <iff-hardware-down>
      iff-hardware-down
    </iff-hardware-down>
    <iff-down>
      iff-down
    </iff-down>
    <iff-up>
      iff-up
    </iff-up>
    <iff-admin-down>
      iff-admin-down
    </iff-admin-down>
    <iff-admin-up>
      iff-admin-up
    </iff-admin-up>
    <iff-link-down>
      iff-link-down
    </iff-link-down>
    <iff-device-down>
      iff-device-down
    </iff-device-down>
    <iff-point-to-point>
      iff-point-to-point
```

```
</iff-point-to-point>
<iff-point-to-multipoint>
  iff-point-to-multipoint
</iff-point-to-multipoint>
<plp-to-clp>
  plp-to-clp
</plp-to-clp>
<iff-multiaccess>
  iff-multiaccess
</iff-multiaccess>
<iff-change>
  iff-change
</iff-change>
<iff-inverse-arp>
  iff-inverse-arp
</iff-inverse-arp>
<iff-no-multicast>
  iff-no-multicast
</iff-no-multicast>
<iff-multicast>
  iff-multicast
</iff-multicast>
<iff-promiscuous>
  iff-promiscuous
</iff-promiscuous>
<iff-all-multicast>
  iff-all-multicast
</iff-all-multicast>
<iff-snmp-traps>
  iff-snmp-traps
</iff-snmp-traps>
<iff-rx-passive>
  iff-rx-passive
</iff-rx-passive>
<iff-tx-passive>
  iff-tx-passive
</iff-tx-passive>
<iff-ccc-down>
  iff-ccc-down
</iff-ccc-down>
<iff-clear-df>
  iff-clear-df
</iff-clear-df>
<iff-tunnel-reassembly>
  iff-tunnel-reassembly
</iff-tunnel-reassembly>
<iff-acfc>
  iff-acfc
</iff-acfc>
<iff-pfc>
  iff-pfc
</iff-pfc>
<iff-rdd>
  iff-rdd
</iff-rdd>
<iff-looped>
```

```
    iff-looped
  </iff-looped>
  <internal-flags>
    internal-flags
  </internal-flags>
</if-config-flags>
</logical-interface>
</interface-policer-information>
```

## Description

### <if-device-flags>

#### Usage

```
<if-device-flags>
  <ifdf-none>
    ifdf-none
  </ifdf-none>
  <ifdf-present>
    ifdf-present
  </ifdf-present>
  <ifdf-running>
    ifdf-running
  </ifdf-running>
  <ifdf-duplex>
    ifdf-duplex
  </ifdf-duplex>
  <ifdf-down>
    ifdf-down
  </ifdf-down>
  <ifdf-no-carrier>
    ifdf-no-carrier
  </ifdf-no-carrier>
  <ifdf-error1>
    ifdf-error1
  </ifdf-error1>
  <ifdf-error2>
    ifdf-error2
  </ifdf-error2>
  <ifdf-no-multicast>
    ifdf-no-multicast
  </ifdf-no-multicast>
  <ifdf-loopback>
    ifdf-loopback
  </ifdf-loopback>
  <ifdf-quench>
    ifdf-quench
  </ifdf-quench>
  <ifdf-recv-all-multicasts>
    ifdf-recv-all-multicasts
  </ifdf-recv-all-multicasts>
  <ifdf-promiscuous>
    ifdf-promiscuous
  </ifdf-promiscuous>
</ifdf-link-layer-down>
```



```

    ifdf-link-layer-down
  </ifdf-link-layer-down>
  <ifdf-loop-detected>
    ifdf-loop-detected
  </ifdf-loop-detected>
  <ifdf-pfe-gone>
    ifdf-pfe-gone
  </ifdf-pfe-gone>
  <generic-value>
    generic-value
  </generic-value>
</if-device-flags>

```

## Description

<if-device-flags>

## Usage

```

<physical-interface>
  <if-device-flags>
    <ifdf-none>
      ifdf-none
    </ifdf-none>
    <ifdf-present>
      ifdf-present
    </ifdf-present>
    <ifdf-running>
      ifdf-running
    </ifdf-running>
    <ifdf-duplex>
      ifdf-duplex
    </ifdf-duplex>
    <ifdf-down>
      ifdf-down
    </ifdf-down>
    <ifdf-no-carrier>
      ifdf-no-carrier
    </ifdf-no-carrier>
    <ifdf-error1>
      ifdf-error1
    </ifdf-error1>
    <ifdf-error2>
      ifdf-error2
    </ifdf-error2>
    <ifdf-no-multicast>
      ifdf-no-multicast
    </ifdf-no-multicast>
    <ifdf-loopback>
      ifdf-loopback
    </ifdf-loopback>
    <ifdf-quench>
      ifdf-quench
    </ifdf-quench>
    <ifdf-recv-all-multicasts>
      ifdf-recv-all-multicasts

```

```

</ifdf-recv-all-multicasts>
<ifdf-promiscuous>
  ifdf-promiscuous
</ifdf-promiscuous>
<ifdf-link-layer-down>
  ifdf-link-layer-down
</ifdf-link-layer-down>
<ifdf-loop-detected>
  ifdf-loop-detected
</ifdf-loop-detected>
<ifdf-pfe-gone>
  ifdf-pfe-gone
</ifdf-pfe-gone>
<generic-value>
  generic-value
</generic-value>
</if-device-flags>
</physical-interface>

```

## Description

### <if-device-flags>

#### Usage

```

<interface-information>
<physical-interface>
  <if-device-flags>
    <ifdf-none>
      ifdf-none
    </ifdf-none>
    <ifdf-present>
      ifdf-present
    </ifdf-present>
    <ifdf-running>
      ifdf-running
    </ifdf-running>
    <ifdf-duplex>
      ifdf-duplex
    </ifdf-duplex>
    <ifdf-down>
      ifdf-down
    </ifdf-down>
    <ifdf-no-carrier>
      ifdf-no-carrier
    </ifdf-no-carrier>
    <ifdf-error1>
      ifdf-error1
    </ifdf-error1>
    <ifdf-error2>
      ifdf-error2
    </ifdf-error2>
    <ifdf-no-multicast>
      ifdf-no-multicast
    </ifdf-no-multicast>
    <ifdf-loopback>

```

```

    ifdf-loopback
  </ifdf-loopback>
  <ifdf-quench>
    ifdf-quench
  </ifdf-quench>
  <ifdf-recv-all-multicasts>
    ifdf-recv-all-multicasts
  </ifdf-recv-all-multicasts>
  <ifdf-promiscuous>
    ifdf-promiscuous
  </ifdf-promiscuous>
  <ifdf-link-layer-down>
    ifdf-link-layer-down
  </ifdf-link-layer-down>
  <ifdf-loop-detected>
    ifdf-loop-detected
  </ifdf-loop-detected>
  <ifdf-pfe-gone>
    ifdf-pfe-gone
  </ifdf-pfe-gone>
  <generic-value>
    generic-value
  </generic-value>
</if-device-flags>
</physical-interface>
</interface-information>

```

## Description

### <if-device-flags>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <if-device-flags>
      <ifdf-none>
        ifdf-none
      </ifdf-none>
      <ifdf-present>
        ifdf-present
      </ifdf-present>
      <ifdf-running>
        ifdf-running
      </ifdf-running>
      <ifdf-duplex>
        ifdf-duplex
      </ifdf-duplex>
      <ifdf-down>
        ifdf-down
      </ifdf-down>
      <ifdf-no-carrier>
        ifdf-no-carrier
      </ifdf-no-carrier>
      <ifdf-error1>
        ifdf-error1
      </ifdf-error1>
    </if-device-flags>
  </physical-interface>
</interface-filter-information>

```

```
</ifdf-error1>
<ifdf-error2>
  ifdf-error2
</ifdf-error2>
<ifdf-no-multicast>
  ifdf-no-multicast
</ifdf-no-multicast>
<ifdf-loopback>
  ifdf-loopback
</ifdf-loopback>
<ifdf-quench>
  ifdf-quench
</ifdf-quench>
<ifdf-recv-all-multicasts>
  ifdf-recv-all-multicasts
</ifdf-recv-all-multicasts>
<ifdf-promiscuous>
  ifdf-promiscuous
</ifdf-promiscuous>
<ifdf-link-layer-down>
  ifdf-link-layer-down
</ifdf-link-layer-down>
<ifdf-loop-detected>
  ifdf-loop-detected
</ifdf-loop-detected>
<ifdf-pfe-gone>
  ifdf-pfe-gone
</ifdf-pfe-gone>
<generic-value>
  generic-value
</generic-value>
</if-device-flags>
</physical-interface>
</interface-filter-information>
```

## Description

### <if-device-flags>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <if-device-flags>
    <ifdf-none>
      ifdf-none
    </ifdf-none>
    <ifdf-present>
      ifdf-present
    </ifdf-present>
    <ifdf-running>
      ifdf-running
    </ifdf-running>
    <ifdf-duplex>
      ifdf-duplex
    </ifdf-duplex>
```

```

<ifdf-down>
  ifdf-down
</ifdf-down>
<ifdf-no-carrier>
  ifdf-no-carrier
</ifdf-no-carrier>
<ifdf-error1>
  ifdf-error1
</ifdf-error1>
<ifdf-error2>
  ifdf-error2
</ifdf-error2>
<ifdf-no-multicast>
  ifdf-no-multicast
</ifdf-no-multicast>
<ifdf-loopback>
  ifdf-loopback
</ifdf-loopback>
<ifdf-quench>
  ifdf-quench
</ifdf-quench>
<ifdf-recv-all-multicasts>
  ifdf-recv-all-multicasts
</ifdf-recv-all-multicasts>
<ifdf-promiscuous>
  ifdf-promiscuous
</ifdf-promiscuous>
<ifdf-link-layer-down>
  ifdf-link-layer-down
</ifdf-link-layer-down>
<ifdf-loop-detected>
  ifdf-loop-detected
</ifdf-loop-detected>
<ifdf-pfe-gone>
  ifdf-pfe-gone
</ifdf-pfe-gone>
<generic-value>
  generic-value
</generic-value>
</if-device-flags>
</physical-interface>
</interface-policer-information>

```

## Description

### <if-media-flags>

#### Usage

```

<if-media-flags>
  <ifmf-none>
    ifmf-none
  </ifmf-none>
  <ifmf-autoselect>
    ifmf-autoselect
  </ifmf-autoselect>

```

```
<ifmf-scheduler>
  ifmf-scheduler
</ifmf-scheduler>
<ifmf-shared-scheduler>
  ifmf-shared-scheduler
</ifmf-shared-scheduler>
<ifmf-keepalives>
  ifmf-keepalives
</ifmf-keepalives>
<ifmf-no-keepalives>
  ifmf-no-keepalives
</ifmf-no-keepalives>
<ifmf-give-up>
  ifmf-give-up
</ifmf-give-up>
<ifmf-loose-lcp>
  ifmf-loose-lcp
</ifmf-loose-lcp>
<ifmf-loose-ncp>
  ifmf-loose-ncp
</ifmf-loose-ncp>
<ifmf-ppp-acfc>
  ifmf-ppp-acfc
</ifmf-ppp-acfc>
<ifmf-ppp-pfc>
  ifmf-ppp-pfc
</ifmf-ppp-pfc>
<ifmf-loose-lmi>
  ifmf-loose-lmi
</ifmf-loose-lmi>
<ifmf-dce>
  ifmf-dce
</ifmf-dce>
<ifmf-dte>
  ifmf-dte
</ifmf-dte>
<generic-value>
  generic-value
</generic-value>
</if-media-flags>
```

#### Description

#### <if-media-flags>

#### Usage

```
<physical-interface>
  <if-media-flags>
    <ifmf-none>
      ifmf-none
    </ifmf-none>
    <ifmf-autoselect>
      ifmf-autoselect
    </ifmf-autoselect>
  </if-media-flags>
```

```

    ifmf-scheduler
  </ifmf-scheduler>
  <ifmf-shared-scheduler>
    ifmf-shared-scheduler
  </ifmf-shared-scheduler>
  <ifmf-keepalives>
    ifmf-keepalives
  </ifmf-keepalives>
  <ifmf-no-keepalives>
    ifmf-no-keepalives
  </ifmf-no-keepalives>
  <ifmf-give-up>
    ifmf-give-up
  </ifmf-give-up>
  <ifmf-loose-lcp>
    ifmf-loose-lcp
  </ifmf-loose-lcp>
  <ifmf-loose-ncp>
    ifmf-loose-ncp
  </ifmf-loose-ncp>
  <ifmf-ppp-acfc>
    ifmf-ppp-acfc
  </ifmf-ppp-acfc>
  <ifmf-ppp-pfc>
    ifmf-ppp-pfc
  </ifmf-ppp-pfc>
  <ifmf-loose-lmi>
    ifmf-loose-lmi
  </ifmf-loose-lmi>
  <ifmf-dce>
    ifmf-dce
  </ifmf-dce>
  <ifmf-dte>
    ifmf-dte
  </ifmf-dte>
  <generic-value>
    generic-value
  </generic-value>
</if-media-flags>
</physical-interface>

```

#### Description

#### <if-media-flags>

#### Usage

```

<interface-information>
  <physical-interface>
    <if-media-flags>
      <ifmf-none>
        ifmf-none
      </ifmf-none>
      <ifmf-autoselect>
        ifmf-autoselect
      </ifmf-autoselect>
    </if-media-flags>
  </physical-interface>
</interface-information>

```

```
<ifmf-scheduler>
  ifmf-scheduler
</ifmf-scheduler>
<ifmf-shared-scheduler>
  ifmf-shared-scheduler
</ifmf-shared-scheduler>
<ifmf-keepalives>
  ifmf-keepalives
</ifmf-keepalives>
<ifmf-no-keepalives>
  ifmf-no-keepalives
</ifmf-no-keepalives>
<ifmf-give-up>
  ifmf-give-up
</ifmf-give-up>
<ifmf-loose-lcp>
  ifmf-loose-lcp
</ifmf-loose-lcp>
<ifmf-loose-ncp>
  ifmf-loose-ncp
</ifmf-loose-ncp>
<ifmf-ppp-acfc>
  ifmf-ppp-acfc
</ifmf-ppp-acfc>
<ifmf-ppp-pfc>
  ifmf-ppp-pfc
</ifmf-ppp-pfc>
<ifmf-loose-lmi>
  ifmf-loose-lmi
</ifmf-loose-lmi>
<ifmf-dce>
  ifmf-dce
</ifmf-dce>
<ifmf-dte>
  ifmf-dte
</ifmf-dte>
<generic-value>
  generic-value
</generic-value>
</if-media-flags>
</physical-interface>
</interface-information>
```

## Description

### <if-media-flags>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <if-media-flags>
    <ifmf-none>
      ifmf-none
    </ifmf-none>
    <ifmf-autoselect>
```



```

    ifmf-autoselect
  </ifmf-autoselect>
  <ifmf-scheduler>
    ifmf-scheduler
  </ifmf-scheduler>
  <ifmf-shared-scheduler>
    ifmf-shared-scheduler
  </ifmf-shared-scheduler>
  <ifmf-keepalives>
    ifmf-keepalives
  </ifmf-keepalives>
  <ifmf-no-keepalives>
    ifmf-no-keepalives
  </ifmf-no-keepalives>
  <ifmf-give-up>
    ifmf-give-up
  </ifmf-give-up>
  <ifmf-loose-lcp>
    ifmf-loose-lcp
  </ifmf-loose-lcp>
  <ifmf-loose-ncp>
    ifmf-loose-ncp
  </ifmf-loose-ncp>
  <ifmf-ppp-acfc>
    ifmf-ppp-acfc
  </ifmf-ppp-acfc>
  <ifmf-ppp-pfc>
    ifmf-ppp-pfc
  </ifmf-ppp-pfc>
  <ifmf-loose-lmi>
    ifmf-loose-lmi
  </ifmf-loose-lmi>
  <ifmf-dce>
    ifmf-dce
  </ifmf-dce>
  <ifmf-dte>
    ifmf-dte
  </ifmf-dte>
  <generic-value>
    generic-value
  </generic-value>
</if-media-flags>
</physical-interface>
</interface-filter-information>

```

## Description

### <if-media-flags>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <if-media-flags>
      <ifmf-none>
        ifmf-none
      </ifmf-none>
    </if-media-flags>
  </physical-interface>
</interface-policer-information>

```

```
</ifmf-none>
<ifmf-autoselect>
  ifmf-autoselect
</ifmf-autoselect>
<ifmf-scheduler>
  ifmf-scheduler
</ifmf-scheduler>
<ifmf-shared-scheduler>
  ifmf-shared-scheduler
</ifmf-shared-scheduler>
<ifmf-keepalives>
  ifmf-keepalives
</ifmf-keepalives>
<ifmf-no-keepalives>
  ifmf-no-keepalives
</ifmf-no-keepalives>
<ifmf-give-up>
  ifmf-give-up
</ifmf-give-up>
<ifmf-loose-lcp>
  ifmf-loose-lcp
</ifmf-loose-lcp>
<ifmf-loose-ncp>
  ifmf-loose-ncp
</ifmf-loose-ncp>
<ifmf-ppp-acfc>
  ifmf-ppp-acfc
</ifmf-ppp-acfc>
<ifmf-ppp-pfc>
  ifmf-ppp-pfc
</ifmf-ppp-pfc>
<ifmf-loose-lmi>
  ifmf-loose-lmi
</ifmf-loose-lmi>
<ifmf-dce>
  ifmf-dce
</ifmf-dce>
<ifmf-dte>
  ifmf-dte
</ifmf-dte>
<generic-value>
  generic-value
</generic-value>
</if-media-flags>
</physical-interface>
</interface-policer-information>
```

#### Description

<ifa-flags>

#### Usage

```
<ifa-flags>
  <ifaf-none>
    ifaf-none
```

```

</ifaf-none>
<ifaf-primary>
  ifaf-primary
</ifaf-primary>
<ifaf-preferred>
  ifaf-preferred
</ifaf-preferred>
<ifaf-master-only>
  ifaf-master-only
</ifaf-master-only>
<ifaf-down>
  ifaf-down
</ifaf-down>
<ifaf-kernel>
  ifaf-kernel
</ifaf-kernel>
<ifaf-current-default>
  ifaf-current-default
</ifaf-current-default>
<ifaf-current-preferred>
  ifaf-current-preferred
</ifaf-current-preferred>
<ifaf-current-primary>
  ifaf-current-primary
</ifaf-current-primary>
<ifaf-duplicate>
  ifaf-duplicate
</ifaf-duplicate>
<ifaf-webauth-http>
  ifaf-webauth-http
</ifaf-webauth-http>
<generic-value>
  generic-value
</generic-value>
</ifa-flags>

```

## Description

### <ifa-flags>

## Usage

```

<interface-address>
  <ifa-flags>
    <ifaf-none>
      ifaf-none
    </ifaf-none>
    <ifaf-primary>
      ifaf-primary
    </ifaf-primary>
    <ifaf-preferred>
      ifaf-preferred
    </ifaf-preferred>
    <ifaf-master-only>
      ifaf-master-only
    </ifaf-master-only>
  </ifa-flags>

```

```
<ifaf-down>
  ifaf-down
</ifaf-down>
<ifaf-kernel>
  ifaf-kernel
</ifaf-kernel>
<ifaf-current-default>
  ifaf-current-default
</ifaf-current-default>
<ifaf-current-preferred>
  ifaf-current-preferred
</ifaf-current-preferred>
<ifaf-current-primary>
  ifaf-current-primary
</ifaf-current-primary>
<ifaf-duplicate>
  ifaf-duplicate
</ifaf-duplicate>
<ifaf-webauth-http>
  ifaf-webauth-http
</ifaf-webauth-http>
<generic-value>
  generic-value
</generic-value>
</ifa-flags>
</interface-address>
```

## Description

### <ifa-flags>

#### Usage

```
<address-family>
<interface-address>
  <ifa-flags>
    <ifaf-none>
      ifaf-none
    </ifaf-none>
    <ifaf-primary>
      ifaf-primary
    </ifaf-primary>
    <ifaf-preferred>
      ifaf-preferred
    </ifaf-preferred>
    <ifaf-master-only>
      ifaf-master-only
    </ifaf-master-only>
    <ifaf-down>
      ifaf-down
    </ifaf-down>
    <ifaf-kernel>
      ifaf-kernel
    </ifaf-kernel>
    <ifaf-current-default>
      ifaf-current-default
```

```

</ifaf-current-default>
<ifaf-current-preferred>
  ifaf-current-preferred
</ifaf-current-preferred>
<ifaf-current-primary>
  ifaf-current-primary
</ifaf-current-primary>
<ifaf-duplicate>
  ifaf-duplicate
</ifaf-duplicate>
<ifaf-webauth-http>
  ifaf-webauth-http
</ifaf-webauth-http>
<generic-value>
  generic-value
</generic-value>
</ifa-flags>
</interface-address>
</address-family>

```

## Description

### <ifa-flags>

## Usage

```

<logical-interface>
<address-family>
<interface-address>
  <ifa-flags>
    <ifaf-none>
      ifaf-none
    </ifaf-none>
    <ifaf-primary>
      ifaf-primary
    </ifaf-primary>
    <ifaf-preferred>
      ifaf-preferred
    </ifaf-preferred>
    <ifaf-master-only>
      ifaf-master-only
    </ifaf-master-only>
    <ifaf-down>
      ifaf-down
    </ifaf-down>
    <ifaf-kernel>
      ifaf-kernel
    </ifaf-kernel>
    <ifaf-current-default>
      ifaf-current-default
    </ifaf-current-default>
    <ifaf-current-preferred>
      ifaf-current-preferred
    </ifaf-current-preferred>
    <ifaf-current-primary>
      ifaf-current-primary

```

```
</ifaf-current-primary>
<ifaf-duplicate>
  ifaf-duplicate
</ifaf-duplicate>
<ifaf-webauth-http>
  ifaf-webauth-http
</ifaf-webauth-http>
<generic-value>
  generic-value
</generic-value>
</ifa-flags>
</interface-address>
</address-family>
</logical-interface>
```

## Description

### <ifa-flags>

#### Usage

```
<physical-interface>
<logical-interface>
  <address-family>
    <interface-address>
      <ifa-flags>
        <ifaf-none>
          ifaf-none
        </ifaf-none>
        <ifaf-primary>
          ifaf-primary
        </ifaf-primary>
        <ifaf-preferred>
          ifaf-preferred
        </ifaf-preferred>
        <ifaf-master-only>
          ifaf-master-only
        </ifaf-master-only>
        <ifaf-down>
          ifaf-down
        </ifaf-down>
        <ifaf-kernel>
          ifaf-kernel
        </ifaf-kernel>
        <ifaf-current-default>
          ifaf-current-default
        </ifaf-current-default>
        <ifaf-current-preferred>
          ifaf-current-preferred
        </ifaf-current-preferred>
        <ifaf-current-primary>
          ifaf-current-primary
        </ifaf-current-primary>
        <ifaf-duplicate>
          ifaf-duplicate
        </ifaf-duplicate>
```

```

<ifaf-webauth-http>
  ifaf-webauth-http
</ifaf-webauth-http>
<generic-value>
  generic-value
</generic-value>
</ifa-flags>
</interface-address>
</address-family>
</logical-interface>
</physical-interface>

```

## Description

### <ifa-flags>

#### Usage

```

<interface-information>
<physical-interface>
<logical-interface>
<address-family>
  <interface-address>
    <ifa-flags>
      <ifaf-none>
        ifaf-none
      </ifaf-none>
      <ifaf-primary>
        ifaf-primary
      </ifaf-primary>
      <ifaf-preferred>
        ifaf-preferred
      </ifaf-preferred>
      <ifaf-master-only>
        ifaf-master-only
      </ifaf-master-only>
      <ifaf-down>
        ifaf-down
      </ifaf-down>
      <ifaf-kernel>
        ifaf-kernel
      </ifaf-kernel>
      <ifaf-current-default>
        ifaf-current-default
      </ifaf-current-default>
      <ifaf-current-preferred>
        ifaf-current-preferred
      </ifaf-current-preferred>
      <ifaf-current-primary>
        ifaf-current-primary
      </ifaf-current-primary>
      <ifaf-duplicate>
        ifaf-duplicate
      </ifaf-duplicate>
      <ifaf-webauth-http>
        ifaf-webauth-http
    </ifa-flags>
  </interface-address>
</address-family>
</logical-interface>
</physical-interface>

```

```
</ifaf-webauth-http>
<generic-value>
  generic-value
</generic-value>
</ifa-flags>
</interface-address>
</address-family>
</logical-interface>
</physical-interface>
</interface-information>
```

## Description

### <ifa-flags>

#### Usage

```
<interface-information>
<logical-interface>
<address-family>
<interface-address>
  <ifa-flags>
    <ifaf-none>
      ifaf-none
    </ifaf-none>
    <ifaf-primary>
      ifaf-primary
    </ifaf-primary>
    <ifaf-preferred>
      ifaf-preferred
    </ifaf-preferred>
    <ifaf-master-only>
      ifaf-master-only
    </ifaf-master-only>
    <ifaf-down>
      ifaf-down
    </ifaf-down>
    <ifaf-kernel>
      ifaf-kernel
    </ifaf-kernel>
    <ifaf-current-default>
      ifaf-current-default
    </ifaf-current-default>
    <ifaf-current-preferred>
      ifaf-current-preferred
    </ifaf-current-preferred>
    <ifaf-current-primary>
      ifaf-current-primary
    </ifaf-current-primary>
    <ifaf-duplicate>
      ifaf-duplicate
    </ifaf-duplicate>
    <ifaf-webauth-http>
      ifaf-webauth-http
    </ifaf-webauth-http>
  <generic-value>
```



```

        generic-value
      </generic-value>
    </ifa-flags>
  </interface-address>
</address-family>
</logical-interface>
</interface-information>

```

## Description

### <ifa-flags>

#### Usage

```

<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <address-family>
      <interface-address>
        <ifa-flags>
          <ifaf-none>
            ifaf-none
          </ifaf-none>
          <ifaf-primary>
            ifaf-primary
          </ifaf-primary>
          <ifaf-preferred>
            ifaf-preferred
          </ifaf-preferred>
          <ifaf-master-only>
            ifaf-master-only
          </ifaf-master-only>
          <ifaf-down>
            ifaf-down
          </ifaf-down>
          <ifaf-kernel>
            ifaf-kernel
          </ifaf-kernel>
          <ifaf-current-default>
            ifaf-current-default
          </ifaf-current-default>
          <ifaf-current-preferred>
            ifaf-current-preferred
          </ifaf-current-preferred>
          <ifaf-current-primary>
            ifaf-current-primary
          </ifaf-current-primary>
          <ifaf-duplicate>
            ifaf-duplicate
          </ifaf-duplicate>
          <ifaf-webauth-http>
            ifaf-webauth-http
          </ifaf-webauth-http>
        <generic-value>
          generic-value
        </generic-value>
      </ifa-flags>
    </interface-address>
  </address-family>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

```
</ifa-flags>
</interface-address>
</address-family>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

## Description

### <ifa-flags>

#### Usage

```
<interface-filter-information>
<logical-interface>
<address-family>
<interface-address>
  <ifa-flags>
    <ifaf-none>
      ifaf-none
    </ifaf-none>
    <ifaf-primary>
      ifaf-primary
    </ifaf-primary>
    <ifaf-preferred>
      ifaf-preferred
    </ifaf-preferred>
    <ifaf-master-only>
      ifaf-master-only
    </ifaf-master-only>
    <ifaf-down>
      ifaf-down
    </ifaf-down>
    <ifaf-kernel>
      ifaf-kernel
    </ifaf-kernel>
    <ifaf-current-default>
      ifaf-current-default
    </ifaf-current-default>
    <ifaf-current-preferred>
      ifaf-current-preferred
    </ifaf-current-preferred>
    <ifaf-current-primary>
      ifaf-current-primary
    </ifaf-current-primary>
    <ifaf-duplicate>
      ifaf-duplicate
    </ifaf-duplicate>
    <ifaf-webauth-http>
      ifaf-webauth-http
    </ifaf-webauth-http>
    <generic-value>
      generic-value
    </generic-value>
  </ifa-flags>
</interface-address>
```

```

    </address-family>
  </logical-interface>
</interface-filter-information>

```

## Description

### <ifa-flags>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <address-family>
        <interface-address>
          <ifa-flags>
            <ifaf-none>
              ifaf-none
            </ifaf-none>
            <ifaf-primary>
              ifaf-primary
            </ifaf-primary>
            <ifaf-preferred>
              ifaf-preferred
            </ifaf-preferred>
            <ifaf-master-only>
              ifaf-master-only
            </ifaf-master-only>
            <ifaf-down>
              ifaf-down
            </ifaf-down>
            <ifaf-kernel>
              ifaf-kernel
            </ifaf-kernel>
            <ifaf-current-default>
              ifaf-current-default
            </ifaf-current-default>
            <ifaf-current-preferred>
              ifaf-current-preferred
            </ifaf-current-preferred>
            <ifaf-current-primary>
              ifaf-current-primary
            </ifaf-current-primary>
            <ifaf-duplicate>
              ifaf-duplicate
            </ifaf-duplicate>
            <ifaf-webauth-http>
              ifaf-webauth-http
            </ifaf-webauth-http>
            <generic-value>
              generic-value
            </generic-value>
          </ifa-flags>
        </interface-address>
      </address-family>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

```
</physical-interface>
</interface-policer-information>
```

## Description

### <ifa-flags>

#### Usage

```
<interface-policer-information>
<logical-interface>
<address-family>
<interface-address>
<ifa-flags>
<ifaf-none>
  ifaf-none
</ifaf-none>
<ifaf-primary>
  ifaf-primary
</ifaf-primary>
<ifaf-preferred>
  ifaf-preferred
</ifaf-preferred>
<ifaf-master-only>
  ifaf-master-only
</ifaf-master-only>
<ifaf-down>
  ifaf-down
</ifaf-down>
<ifaf-kernel>
  ifaf-kernel
</ifaf-kernel>
<ifaf-current-default>
  ifaf-current-default
</ifaf-current-default>
<ifaf-current-preferred>
  ifaf-current-preferred
</ifaf-current-preferred>
<ifaf-current-primary>
  ifaf-current-primary
</ifaf-current-primary>
<ifaf-duplicate>
  ifaf-duplicate
</ifaf-duplicate>
<ifaf-webauth-http>
  ifaf-webauth-http
</ifaf-webauth-http>
<generic-value>
  generic-value
</generic-value>
</ifa-flags>
</interface-address>
</address-family>
</logical-interface>
</interface-policer-information>
```

## Description

## &lt;ifvc-flags&gt;

## Usage

```

<ifvc-flags>
  <ifvc-down>
    ifvc-down
  </ifvc-down>
  <ifvc-none>
    ifvc-none
  </ifvc-none>
  <ifvc-active>
    ifvc-active
  </ifvc-active>
  <ifvc-closed>
    ifvc-closed
  </ifvc-closed>
  <ifvc-inverse-arp>
    ifvc-inverse-arp
  </ifvc-inverse-arp>
  <ifvc-ilmi>
    ifvc-ilmi
  </ifvc-ilmi>
  <ifvc-oam>
    ifvc-oam
  </ifvc-oam>
  <ifvc-shaping>
    ifvc-shaping
  </ifvc-shaping>
  <ifvc-passiveoam>
    ifvc-passiveoam
  </ifvc-passiveoam>
  <ifvc-multicast>
    ifvc-multicast
  </ifvc-multicast>
  <ifvc-ccc-down>
    ifvc-ccc-down
  </ifvc-ccc-down>
  <ifvc-configured>
    ifvc-configured
  </ifvc-configured>
  <ifvc-unconfigured>
    ifvc-unconfigured
  </ifvc-unconfigured>
  <generic-value>
    generic-value
  </generic-value>
</ifvc-flags>

```

## Description

## &lt;ifvc-flags&gt;

## Usage

```
<virtual-circuit-information>
  <ifvc-flags>
    <ifvc-down>
      ifvc-down
    </ifvc-down>
    <ifvc-none>
      ifvc-none
    </ifvc-none>
    <ifvc-active>
      ifvc-active
    </ifvc-active>
    <ifvc-closed>
      ifvc-closed
    </ifvc-closed>
    <ifvc-inverse-arp>
      ifvc-inverse-arp
    </ifvc-inverse-arp>
    <ifvc-ilmi>
      ifvc-ilmi
    </ifvc-ilmi>
    <ifvc-oam>
      ifvc-oam
    </ifvc-oam>
    <ifvc-shaping>
      ifvc-shaping
    </ifvc-shaping>
    <ifvc-passiveoam>
      ifvc-passiveoam
    </ifvc-passiveoam>
    <ifvc-multicast>
      ifvc-multicast
    </ifvc-multicast>
    <ifvc-ccc-down>
      ifvc-ccc-down
    </ifvc-ccc-down>
    <ifvc-configured>
      ifvc-configured
    </ifvc-configured>
    <ifvc-unconfigured>
      ifvc-unconfigured
    </ifvc-unconfigured>
    <generic-value>
      generic-value
    </generic-value>
  </ifvc-flags>
</virtual-circuit-information>
```

## Description

**<ifvc-flags>****Usage**

```

<logical-interface>
<virtual-circuit-information>
  <ifvc-flags>
    <ifvc-down>
      ifvc-down
    </ifvc-down>
    <ifvc-none>
      ifvc-none
    </ifvc-none>
    <ifvc-active>
      ifvc-active
    </ifvc-active>
    <ifvc-closed>
      ifvc-closed
    </ifvc-closed>
    <ifvc-inverse-arp>
      ifvc-inverse-arp
    </ifvc-inverse-arp>
    <ifvc-ilmi>
      ifvc-ilmi
    </ifvc-ilmi>
    <ifvc-oam>
      ifvc-oam
    </ifvc-oam>
    <ifvc-shaping>
      ifvc-shaping
    </ifvc-shaping>
    <ifvc-passiveoam>
      ifvc-passiveoam
    </ifvc-passiveoam>
    <ifvc-multicast>
      ifvc-multicast
    </ifvc-multicast>
    <ifvc-ccc-down>
      ifvc-ccc-down
    </ifvc-ccc-down>
    <ifvc-configured>
      ifvc-configured
    </ifvc-configured>
    <ifvc-unconfigured>
      ifvc-unconfigured
    </ifvc-unconfigured>
    <generic-value>
      generic-value
    </generic-value>
  </ifvc-flags>
</virtual-circuit-information>
</logical-interface>

```

**Description**

## <ifvc-flags>

### Usage

```
<physical-interface>
<logical-interface>
<virtual-circuit-information>
  <ifvc-flags>
    <ifvc-down>
      ifvc-down
    </ifvc-down>
    <ifvc-none>
      ifvc-none
    </ifvc-none>
    <ifvc-active>
      ifvc-active
    </ifvc-active>
    <ifvc-closed>
      ifvc-closed
    </ifvc-closed>
    <ifvc-inverse-arp>
      ifvc-inverse-arp
    </ifvc-inverse-arp>
    <ifvc-ilmi>
      ifvc-ilmi
    </ifvc-ilmi>
    <ifvc-oam>
      ifvc-oam
    </ifvc-oam>
    <ifvc-shaping>
      ifvc-shaping
    </ifvc-shaping>
    <ifvc-passiveoam>
      ifvc-passiveoam
    </ifvc-passiveoam>
    <ifvc-multicast>
      ifvc-multicast
    </ifvc-multicast>
    <ifvc-ccc-down>
      ifvc-ccc-down
    </ifvc-ccc-down>
    <ifvc-configured>
      ifvc-configured
    </ifvc-configured>
    <ifvc-unconfigured>
      ifvc-unconfigured
    </ifvc-unconfigured>
    <generic-value>
      generic-value
    </generic-value>
  </ifvc-flags>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
```



## Description

## &lt;ifvc-flags&gt;

## Usage

```

<interface-information>
<physical-interface>
<logical-interface>
<virtual-circuit-information>
  <ifvc-flags>
    <ifvc-down>
      ifvc-down
    </ifvc-down>
    <ifvc-none>
      ifvc-none
    </ifvc-none>
    <ifvc-active>
      ifvc-active
    </ifvc-active>
    <ifvc-closed>
      ifvc-closed
    </ifvc-closed>
    <ifvc-inverse-arp>
      ifvc-inverse-arp
    </ifvc-inverse-arp>
    <ifvc-ilm1>
      ifvc-ilm1
    </ifvc-ilm1>
    <ifvc-oam>
      ifvc-oam
    </ifvc-oam>
    <ifvc-shaping>
      ifvc-shaping
    </ifvc-shaping>
    <ifvc-passiveoam>
      ifvc-passiveoam
    </ifvc-passiveoam>
    <ifvc-multicast>
      ifvc-multicast
    </ifvc-multicast>
    <ifvc-ccc-down>
      ifvc-ccc-down
    </ifvc-ccc-down>
    <ifvc-configured>
      ifvc-configured
    </ifvc-configured>
    <ifvc-unconfigured>
      ifvc-unconfigured
    </ifvc-unconfigured>
    <generic-value>
      generic-value
    </generic-value>
  </ifvc-flags>
</virtual-circuit-information>
</logical-interface>
</physical-interface>

```

</interface-information>

## Description

<ifvc-flags>

## Usage

```
<interface-information>
<logical-interface>
<virtual-circuit-information>
  <ifvc-flags>
    <ifvc-down>
      ifvc-down
    </ifvc-down>
    <ifvc-none>
      ifvc-none
    </ifvc-none>
    <ifvc-active>
      ifvc-active
    </ifvc-active>
    <ifvc-closed>
      ifvc-closed
    </ifvc-closed>
    <ifvc-inverse-arp>
      ifvc-inverse-arp
    </ifvc-inverse-arp>
    <ifvc-ilmi>
      ifvc-ilmi
    </ifvc-ilmi>
    <ifvc-oam>
      ifvc-oam
    </ifvc-oam>
    <ifvc-shaping>
      ifvc-shaping
    </ifvc-shaping>
    <ifvc-passiveoam>
      ifvc-passiveoam
    </ifvc-passiveoam>
    <ifvc-multicast>
      ifvc-multicast
    </ifvc-multicast>
    <ifvc-ccc-down>
      ifvc-ccc-down
    </ifvc-ccc-down>
    <ifvc-configured>
      ifvc-configured
    </ifvc-configured>
    <ifvc-unconfigured>
      ifvc-unconfigured
    </ifvc-unconfigured>
    <generic-value>
      generic-value
    </generic-value>
  </ifvc-flags>
</virtual-circuit-information>
```

```

    </logical-interface>
  </interface-information>

```

## Description

<ifvc-flags>

## Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <ifvc-flags>
          <ifvc-down>
            ifvc-down
          </ifvc-down>
          <ifvc-none>
            ifvc-none
          </ifvc-none>
          <ifvc-active>
            ifvc-active
          </ifvc-active>
          <ifvc-closed>
            ifvc-closed
          </ifvc-closed>
          <ifvc-inverse-arp>
            ifvc-inverse-arp
          </ifvc-inverse-arp>
          <ifvc-ilmi>
            ifvc-ilmi
          </ifvc-ilmi>
          <ifvc-oam>
            ifvc-oam
          </ifvc-oam>
          <ifvc-shaping>
            ifvc-shaping
          </ifvc-shaping>
          <ifvc-passiveoam>
            ifvc-passiveoam
          </ifvc-passiveoam>
          <ifvc-multicast>
            ifvc-multicast
          </ifvc-multicast>
          <ifvc-ccc-down>
            ifvc-ccc-down
          </ifvc-ccc-down>
          <ifvc-configured>
            ifvc-configured
          </ifvc-configured>
          <ifvc-unconfigured>
            ifvc-unconfigured
          </ifvc-unconfigured>
          <generic-value>
            generic-value
          </generic-value>
        </ifvc-flags>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

```

        </ifvc-flags>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

## Description

### <ifvc-flags>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <virtual-circuit-information>
      <ifvc-flags>
        <ifvc-down>
          ifvc-down
        </ifvc-down>
        <ifvc-none>
          ifvc-none
        </ifvc-none>
        <ifvc-active>
          ifvc-active
        </ifvc-active>
        <ifvc-closed>
          ifvc-closed
        </ifvc-closed>
        <ifvc-inverse-arp>
          ifvc-inverse-arp
        </ifvc-inverse-arp>
        <ifvc-ilmi>
          ifvc-ilmi
        </ifvc-ilmi>
        <ifvc-oam>
          ifvc-oam
        </ifvc-oam>
        <ifvc-shaping>
          ifvc-shaping
        </ifvc-shaping>
        <ifvc-passiveoam>
          ifvc-passiveoam
        </ifvc-passiveoam>
        <ifvc-multicast>
          ifvc-multicast
        </ifvc-multicast>
        <ifvc-ccc-down>
          ifvc-ccc-down
        </ifvc-ccc-down>
        <ifvc-configured>
          ifvc-configured
        </ifvc-configured>
        <ifvc-unconfigured>
          ifvc-unconfigured
        </ifvc-unconfigured>
        <generic-value>

```

```

        generic-value
      </generic-value>
    </ifvc-flags>
  </virtual-circuit-information>
</logical-interface>
</interface-filter-information>

```

## Description

### <ifvc-flags>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <ifvc-flags>
          <ifvc-down>
            ifvc-down
          </ifvc-down>
          <ifvc-none>
            ifvc-none
          </ifvc-none>
          <ifvc-active>
            ifvc-active
          </ifvc-active>
          <ifvc-closed>
            ifvc-closed
          </ifvc-closed>
          <ifvc-inverse-arp>
            ifvc-inverse-arp
          </ifvc-inverse-arp>
          <ifvc-ilmi>
            ifvc-ilmi
          </ifvc-ilmi>
          <ifvc-oam>
            ifvc-oam
          </ifvc-oam>
          <ifvc-shaping>
            ifvc-shaping
          </ifvc-shaping>
          <ifvc-passiveoam>
            ifvc-passiveoam
          </ifvc-passiveoam>
          <ifvc-multicast>
            ifvc-multicast
          </ifvc-multicast>
          <ifvc-ccc-down>
            ifvc-ccc-down
          </ifvc-ccc-down>
          <ifvc-configured>
            ifvc-configured
          </ifvc-configured>
          <ifvc-unconfigured>
            ifvc-unconfigured
          </ifvc-unconfigured>
        </ifvc-flags>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

```
</ifvc-unconfigured>
<generic-value>
  generic-value
</generic-value>
</ifvc-flags>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

## Description

### <ifvc-flags>

#### Usage

```
<interface-policer-information>
<logical-interface>
<virtual-circuit-information>
<ifvc-flags>
<ifvc-down>
  ifvc-down
</ifvc-down>
<ifvc-none>
  ifvc-none
</ifvc-none>
<ifvc-active>
  ifvc-active
</ifvc-active>
<ifvc-closed>
  ifvc-closed
</ifvc-closed>
<ifvc-inverse-arp>
  ifvc-inverse-arp
</ifvc-inverse-arp>
<ifvc-ilmi>
  ifvc-ilmi
</ifvc-ilmi>
<ifvc-oam>
  ifvc-oam
</ifvc-oam>
<ifvc-shaping>
  ifvc-shaping
</ifvc-shaping>
<ifvc-passiveoam>
  ifvc-passiveoam
</ifvc-passiveoam>
<ifvc-multicast>
  ifvc-multicast
</ifvc-multicast>
<ifvc-ccc-down>
  ifvc-ccc-down
</ifvc-ccc-down>
<ifvc-configured>
  ifvc-configured
</ifvc-configured>
```

```

    <ifvc-unconfigured>
      ifvc-unconfigured
    </ifvc-unconfigured>
    <generic-value>
      generic-value
    </generic-value>
  </ifvc-flags>
</virtual-circuit-information>
</logical-interface>
</interface-policer-information>

```

#### Description

### <ifvc-multipoint-destination>

#### Usage

```

<virtual-circuit-information>
  <ifvc-multipoint-destination>
    <multipoint-address>
      multipoint-address
    </multipoint-address>
  </ifvc-multipoint-destination>
</virtual-circuit-information>

```

#### Description

### <ifvc-multipoint-destination>

#### Usage

```

<logical-interface>
  <virtual-circuit-information>
    <ifvc-multipoint-destination>
      <multipoint-address>
        multipoint-address
      </multipoint-address>
    </ifvc-multipoint-destination>
  </virtual-circuit-information>
</logical-interface>

```

#### Description

### <ifvc-multipoint-destination>

#### Usage

```

<physical-interface>
  <logical-interface>
    <virtual-circuit-information>
      <ifvc-multipoint-destination>
        <multipoint-address>
          multipoint-address
        </multipoint-address>
      </ifvc-multipoint-destination>
    </virtual-circuit-information>
  </logical-interface>
</physical-interface>

```

```
</logical-interface>
</physical-interface>
```

#### Description

### <ifvc-multipoint-destination>

#### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <ifvc-multipoint-destination>
          <multipoint-address>
            multipoint-address
          </multipoint-address>
        </ifvc-multipoint-destination>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-information>
```

#### Description

### <ifvc-multipoint-destination>

#### Usage

```
<interface-information>
  <logical-interface>
    <virtual-circuit-information>
      <ifvc-multipoint-destination>
        <multipoint-address>
          multipoint-address
        </multipoint-address>
      </ifvc-multipoint-destination>
    </virtual-circuit-information>
  </logical-interface>
</interface-information>
```

#### Description

### <ifvc-multipoint-destination>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <ifvc-multipoint-destination>
          <multipoint-address>
            multipoint-address
          </multipoint-address>
        </ifvc-multipoint-destination>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```



```

    </virtual-circuit-information>
  </logical-interface>
</physical-interface>
</interface-filter-information>

```

#### Description

### <ifvc-multipoint-destination>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <virtual-circuit-information>
      <ifvc-multipoint-destination>
        <multipoint-address>
          multipoint-address
        </multipoint-address>
      </ifvc-multipoint-destination>
    </virtual-circuit-information>
  </logical-interface>
</interface-filter-information>

```

#### Description

### <ifvc-multipoint-destination>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <ifvc-multipoint-destination>
          <multipoint-address>
            multipoint-address
          </multipoint-address>
        </ifvc-multipoint-destination>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

#### Description

### <ifvc-multipoint-destination>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <virtual-circuit-information>
      <ifvc-multipoint-destination>
        <multipoint-address>
          multipoint-address
        </multipoint-address>
      </ifvc-multipoint-destination>
    </virtual-circuit-information>
  </logical-interface>
</interface-policer-information>

```

```
</ifvc-multipoint-destination>
</virtual-circuit-information>
</logical-interface>
</interface-policer-information>
```

#### Description

### <ifvp-flags>

#### Usage

```
<ifvp-flags>
  <ifvp-down>
    ifvp-down
  </ifvp-down>
  <ifvp-none>
    ifvp-none
  </ifvp-none>
  <ifvp-active>
    ifvp-active
  </ifvp-active>
  <ifvp-closed>
    ifvp-closed
  </ifvp-closed>
  <ifvp-oam>
    ifvp-oam
  </ifvp-oam>
  <ifvp-shaping>
    ifvp-shaping
  </ifvp-shaping>
  <ifvp-passiveoam>
    ifvp-passiveoam
  </ifvp-passiveoam>
  <ifvp-tunnel>
    ifvp-tunnel
  </ifvp-tunnel>
  <generic-value>
    generic-value
  </generic-value>
</ifvp-flags>
```

#### Description

### <ifvp-flags>

#### Usage

```
<virtual-path-information>
  <ifvp-flags>
    <ifvp-down>
      ifvp-down
    </ifvp-down>
    <ifvp-none>
      ifvp-none
    </ifvp-none>
    <ifvp-active>
```

```

    ifvp-active
  </ifvp-active>
  <ifvp-closed>
    ifvp-closed
  </ifvp-closed>
  <ifvp-oam>
    ifvp-oam
  </ifvp-oam>
  <ifvp-shaping>
    ifvp-shaping
  </ifvp-shaping>
  <ifvp-passiveoam>
    ifvp-passiveoam
  </ifvp-passiveoam>
  <ifvp-tunnel>
    ifvp-tunnel
  </ifvp-tunnel>
  <generic-value>
    generic-value
  </generic-value>
</ifvp-flags>
</virtual-path-information>

```

## Description

### <ifvp-flags>

## Usage

```

<physical-interface>
  <virtual-path-information>
    <ifvp-flags>
      <ifvp-down>
        ifvp-down
      </ifvp-down>
      <ifvp-none>
        ifvp-none
      </ifvp-none>
      <ifvp-active>
        ifvp-active
      </ifvp-active>
      <ifvp-closed>
        ifvp-closed
      </ifvp-closed>
      <ifvp-oam>
        ifvp-oam
      </ifvp-oam>
      <ifvp-shaping>
        ifvp-shaping
      </ifvp-shaping>
      <ifvp-passiveoam>
        ifvp-passiveoam
      </ifvp-passiveoam>
      <ifvp-tunnel>
        ifvp-tunnel
      </ifvp-tunnel>
    </ifvp-flags>
  </virtual-path-information>
</physical-interface>

```

```
<generic-value>
  generic-value
</generic-value>
</ifvp-flags>
</virtual-path-information>
</physical-interface>
```

#### Description

### <ifvp-flags>

#### Usage

```
<interface-information>
<physical-interface>
  <virtual-path-information>
    <ifvp-flags>
      <ifvp-down>
        ifvp-down
      </ifvp-down>
      <ifvp-none>
        ifvp-none
      </ifvp-none>
      <ifvp-active>
        ifvp-active
      </ifvp-active>
      <ifvp-closed>
        ifvp-closed
      </ifvp-closed>
      <ifvp-oam>
        ifvp-oam
      </ifvp-oam>
      <ifvp-shaping>
        ifvp-shaping
      </ifvp-shaping>
      <ifvp-passiveoam>
        ifvp-passiveoam
      </ifvp-passiveoam>
      <ifvp-tunnel>
        ifvp-tunnel
      </ifvp-tunnel>
      <generic-value>
        generic-value
      </generic-value>
    </ifvp-flags>
  </virtual-path-information>
</physical-interface>
</interface-information>
```

#### Description

### <ifvp-flags>

#### Usage

```
<interface-filter-information>
```

```

<physical-interface>
  <virtual-path-information>
    <ifvp-flags>
      <ifvp-down>
        ifvp-down
      </ifvp-down>
      <ifvp-none>
        ifvp-none
      </ifvp-none>
      <ifvp-active>
        ifvp-active
      </ifvp-active>
      <ifvp-closed>
        ifvp-closed
      </ifvp-closed>
      <ifvp-oam>
        ifvp-oam
      </ifvp-oam>
      <ifvp-shaping>
        ifvp-shaping
      </ifvp-shaping>
      <ifvp-passiveoam>
        ifvp-passiveoam
      </ifvp-passiveoam>
      <ifvp-tunnel>
        ifvp-tunnel
      </ifvp-tunnel>
      <generic-value>
        generic-value
      </generic-value>
    </ifvp-flags>
  </virtual-path-information>
</physical-interface>
</interface-filter-information>

```

## Description

### <ifvp-flags>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <virtual-path-information>
      <ifvp-flags>
        <ifvp-down>
          ifvp-down
        </ifvp-down>
        <ifvp-none>
          ifvp-none
        </ifvp-none>
        <ifvp-active>
          ifvp-active
        </ifvp-active>
        <ifvp-closed>
          ifvp-closed

```

```
</ifvp-closed>
<ifvp-oam>
  ifvp-oam
</ifvp-oam>
<ifvp-shaping>
  ifvp-shaping
</ifvp-shaping>
<ifvp-passiveoam>
  ifvp-passiveoam
</ifvp-passiveoam>
<ifvp-tunnel>
  ifvp-tunnel
</ifvp-tunnel>
<generic-value>
  generic-value
</generic-value>
</ifvp-flags>
</virtual-path-information>
</physical-interface>
</interface-policer-information>
```

#### Description

### <ima-group-information>

#### Usage

```
<ima-group-information>
  <media-alarm>....</media-alarm>
</ima-group-information>
```

**Description** IMA group alarms

### <ima-group-information>

#### Usage

```
<physical-interface>
  <ima-group-information>
    <media-alarm>....</media-alarm>
  </ima-group-information>
</physical-interface>
```

**Description** IMA group alarms

### <ima-group-information>

#### Usage

```
<interface-information>
  <physical-interface>
    <ima-group-information>
      <media-alarm>....</media-alarm>
    </ima-group-information>
```

```

    </physical-interface>
  </interface-information>

```

**Description** IMA group alarms

### <ima-group-information>

#### Usage

```

    <interface-filter-information>
      <physical-interface>
        <ima-group-information>
          <media-alarm>....</media-alarm>
        </ima-group-information>
      </physical-interface>
    </interface-filter-information>

```

**Description** IMA group alarms

### <ima-group-information>

#### Usage

```

    <interface-policer-information>
      <physical-interface>
        <ima-group-information>
          <media-alarm>....</media-alarm>
        </ima-group-information>
      </physical-interface>
    </interface-policer-information>

```

**Description** IMA group alarms

### <ima-group-properties>

#### Usage

```

    <ima-group-properties>
      <ima-version>
        ima-version
      </ima-version>
      <ima-frame-length>
        ima-frame-length
      </ima-frame-length>
      <ima-differential-delay>
        ima-differential-delay
      </ima-differential-delay>
      <ima-symmetry>
        ima-symmetry
      </ima-symmetry>
      <ima-transmit-clock>
        ima-transmit-clock
      </ima-transmit-clock>
      <ima-tx-minimum-links>

```

```
    ima-tx-minimum-links
  </ima-tx-minimum-links>
  <ima-rx-minimum-links>
    ima-rx-minimum-links
  </ima-rx-minimum-links>
  <ima-frame-sync-alpha>
    ima-frame-sync-alpha
  </ima-frame-sync-alpha>
  <ima-frame-sync-beta>
    ima-frame-sync-beta
  </ima-frame-sync-beta>
  <ima-frame-sync-gamma>
    ima-frame-sync-gamma
  </ima-frame-sync-gamma>
  <ima-group-link-enumerator>
    ima-group-link-enumerator
  </ima-group-link-enumerator>
  <ima-group-link-information>
    ima-group-link-information
  </ima-group-link-information>
  <ima-test-period>
    ima-test-period
  </ima-test-period>
  <ima-test-elapsed>
    ima-test-elapsed
  </ima-test-elapsed>
  <ima-test-status>
    ima-test-status
  </ima-test-status>
  <ima-test-pattern>
    ima-test-pattern
  </ima-test-pattern>
  <ima-test-link>
    ima-test-link
  </ima-test-link>
  <ima-test-result-pattern>
    ima-test-result-pattern
  </ima-test-result-pattern>
  <ima-test-result-status>
    ima-test-result-status
  </ima-test-result-status>
  <ima-test-result-miscon>
    ima-test-result-miscon
  </ima-test-result-miscon>
  <ima-test-result-mispat>
    ima-test-result-mispat
  </ima-test-result-mispat>
</ima-group-properties>
```

#### Description

<ima-group-properties>

#### Usage

<physical-interface>



```
<ima-group-properties>
  <ima-version>
    ima-version
  </ima-version>
  <ima-frame-length>
    ima-frame-length
  </ima-frame-length>
  <ima-differential-delay>
    ima-differential-delay
  </ima-differential-delay>
  <ima-symmetry>
    ima-symmetry
  </ima-symmetry>
  <ima-transmit-clock>
    ima-transmit-clock
  </ima-transmit-clock>
  <ima-tx-minimum-links>
    ima-tx-minimum-links
  </ima-tx-minimum-links>
  <ima-rx-minimum-links>
    ima-rx-minimum-links
  </ima-rx-minimum-links>
  <ima-frame-sync-alpha>
    ima-frame-sync-alpha
  </ima-frame-sync-alpha>
  <ima-frame-sync-beta>
    ima-frame-sync-beta
  </ima-frame-sync-beta>
  <ima-frame-sync-gamma>
    ima-frame-sync-gamma
  </ima-frame-sync-gamma>
  <ima-group-link-enumerator>
    ima-group-link-enumerator
  </ima-group-link-enumerator>
  <ima-group-link-information>
    ima-group-link-information
  </ima-group-link-information>
  <ima-test-period>
    ima-test-period
  </ima-test-period>
  <ima-test-elapsed>
    ima-test-elapsed
  </ima-test-elapsed>
  <ima-test-status>
    ima-test-status
  </ima-test-status>
  <ima-test-pattern>
    ima-test-pattern
  </ima-test-pattern>
  <ima-test-link>
    ima-test-link
  </ima-test-link>
  <ima-test-result-pattern>
    ima-test-result-pattern
  </ima-test-result-pattern>
  <ima-test-result-status>
```

```
    ima-test-result-status
  </ima-test-result-status>
  <ima-test-result-miscon>
    ima-test-result-miscon
  </ima-test-result-miscon>
  <ima-test-result-mispat>
    ima-test-result-mispat
  </ima-test-result-mispat>
</ima-group-properties>
</physical-interface>
```

## Description

### <ima-group-properties>

#### Usage

```
<interface-information>
  <physical-interface>
    <ima-group-properties>
      <ima-version>
        ima-version
      </ima-version>
      <ima-frame-length>
        ima-frame-length
      </ima-frame-length>
      <ima-differential-delay>
        ima-differential-delay
      </ima-differential-delay>
      <ima-symmetry>
        ima-symmetry
      </ima-symmetry>
      <ima-transmit-clock>
        ima-transmit-clock
      </ima-transmit-clock>
      <ima-tx-minimum-links>
        ima-tx-minimum-links
      </ima-tx-minimum-links>
      <ima-rx-minimum-links>
        ima-rx-minimum-links
      </ima-rx-minimum-links>
      <ima-frame-sync-alpha>
        ima-frame-sync-alpha
      </ima-frame-sync-alpha>
      <ima-frame-sync-beta>
        ima-frame-sync-beta
      </ima-frame-sync-beta>
      <ima-frame-sync-gamma>
        ima-frame-sync-gamma
      </ima-frame-sync-gamma>
      <ima-group-link-enumerator>
        ima-group-link-enumerator
      </ima-group-link-enumerator>
      <ima-group-link-information>
        ima-group-link-information
      </ima-group-link-information>
```

```

<ima-test-period>
  ima-test-period
</ima-test-period>
<ima-test-elapsed>
  ima-test-elapsed
</ima-test-elapsed>
<ima-test-status>
  ima-test-status
</ima-test-status>
<ima-test-pattern>
  ima-test-pattern
</ima-test-pattern>
<ima-test-link>
  ima-test-link
</ima-test-link>
<ima-test-result-pattern>
  ima-test-result-pattern
</ima-test-result-pattern>
<ima-test-result-status>
  ima-test-result-status
</ima-test-result-status>
<ima-test-result-miscon>
  ima-test-result-miscon
</ima-test-result-miscon>
<ima-test-result-mispat>
  ima-test-result-mispat
</ima-test-result-mispat>
</ima-group-properties>
</physical-interface>
</interface-information>

```

## Description

### <ima-group-properties>

#### Usage

```

<interface-filter-information>
<physical-interface>
  <ima-group-properties>
    <ima-version>
      ima-version
    </ima-version>
    <ima-frame-length>
      ima-frame-length
    </ima-frame-length>
    <ima-differential-delay>
      ima-differential-delay
    </ima-differential-delay>
    <ima-symmetry>
      ima-symmetry
    </ima-symmetry>
    <ima-transmit-clock>
      ima-transmit-clock
    </ima-transmit-clock>
    <ima-tx-minimum-links>

```

```
    ima-tx-minimum-links
  </ima-tx-minimum-links>
  <ima-rx-minimum-links>
    ima-rx-minimum-links
  </ima-rx-minimum-links>
  <ima-frame-sync-alpha>
    ima-frame-sync-alpha
  </ima-frame-sync-alpha>
  <ima-frame-sync-beta>
    ima-frame-sync-beta
  </ima-frame-sync-beta>
  <ima-frame-sync-gamma>
    ima-frame-sync-gamma
  </ima-frame-sync-gamma>
  <ima-group-link-enumerator>
    ima-group-link-enumerator
  </ima-group-link-enumerator>
  <ima-group-link-information>
    ima-group-link-information
  </ima-group-link-information>
  <ima-test-period>
    ima-test-period
  </ima-test-period>
  <ima-test-elapsed>
    ima-test-elapsed
  </ima-test-elapsed>
  <ima-test-status>
    ima-test-status
  </ima-test-status>
  <ima-test-pattern>
    ima-test-pattern
  </ima-test-pattern>
  <ima-test-link>
    ima-test-link
  </ima-test-link>
  <ima-test-result-pattern>
    ima-test-result-pattern
  </ima-test-result-pattern>
  <ima-test-result-status>
    ima-test-result-status
  </ima-test-result-status>
  <ima-test-result-miscon>
    ima-test-result-miscon
  </ima-test-result-miscon>
  <ima-test-result-mispat>
    ima-test-result-mispat
  </ima-test-result-mispat>
</ima-group-properties>
</physical-interface>
</interface-filter-information>
```

## Description

## &lt;ima-group-properties&gt;

## Usage

```

<interface-policer-information>
  <physical-interface>
    <ima-group-properties>
      <ima-version>
        ima-version
      </ima-version>
      <ima-frame-length>
        ima-frame-length
      </ima-frame-length>
      <ima-differential-delay>
        ima-differential-delay
      </ima-differential-delay>
      <ima-symmetry>
        ima-symmetry
      </ima-symmetry>
      <ima-transmit-clock>
        ima-transmit-clock
      </ima-transmit-clock>
      <ima-tx-minimum-links>
        ima-tx-minimum-links
      </ima-tx-minimum-links>
      <ima-rx-minimum-links>
        ima-rx-minimum-links
      </ima-rx-minimum-links>
      <ima-frame-sync-alpha>
        ima-frame-sync-alpha
      </ima-frame-sync-alpha>
      <ima-frame-sync-beta>
        ima-frame-sync-beta
      </ima-frame-sync-beta>
      <ima-frame-sync-gamma>
        ima-frame-sync-gamma
      </ima-frame-sync-gamma>
      <ima-group-link-enumerator>
        ima-group-link-enumerator
      </ima-group-link-enumerator>
      <ima-group-link-information>
        ima-group-link-information
      </ima-group-link-information>
      <ima-test-period>
        ima-test-period
      </ima-test-period>
      <ima-test-elapsed>
        ima-test-elapsed
      </ima-test-elapsed>
      <ima-test-status>
        ima-test-status
      </ima-test-status>
      <ima-test-pattern>
        ima-test-pattern
      </ima-test-pattern>
      <ima-test-link>

```

```
    ima-test-link
  </ima-test-link>
  <ima-test-result-pattern>
    ima-test-result-pattern
  </ima-test-result-pattern>
  <ima-test-result-status>
    ima-test-result-status
  </ima-test-result-status>
  <ima-test-result-miscon>
    ima-test-result-miscon
  </ima-test-result-miscon>
  <ima-test-result-mispat>
    ima-test-result-mispat
  </ima-test-result-mispat>
</ima-group-properties>
</physical-interface>
</interface-policer-information>
```

#### Description

### <ima-link-information>

#### Usage

```
<ima-link-information>
  <media-alarm>....</media-alarm>
</ima-link-information>
```

**Description** IMA link alarms

### <ima-link-information>

#### Usage

```
<physical-interface>
  <ima-link-information>
    <media-alarm>....</media-alarm>
  </ima-link-information>
</physical-interface>
```

**Description** IMA link alarms

### <ima-link-information>

#### Usage

```
<interface-information>
  <physical-interface>
    <ima-link-information>
      <media-alarm>....</media-alarm>
    </ima-link-information>
  </physical-interface>
</interface-information>
```

**Description** IMA link alarms

### <ima-link-information>

**Usage**

```
<interface-filter-information>
  <physical-interface>
    <ima-link-information>
      <media-alarm>....</media-alarm>
    </ima-link-information>
  </physical-interface>
</interface-filter-information>
```

**Description** IMA link alarms

### <ima-link-information>

**Usage**

```
<interface-policer-information>
  <physical-interface>
    <ima-link-information>
      <media-alarm>....</media-alarm>
    </ima-link-information>
  </physical-interface>
</interface-policer-information>
```

**Description** IMA link alarms

### <ima-link-properties>

**Usage**

```
<ima-link-properties>
  <ima-group-id>
    ima-group-id
  </ima-group-id>
  <ima-link-direction>
    ima-link-direction
  </ima-link-direction>
</ima-link-properties>
```

**Description**

### <ima-link-properties>

**Usage**

```
<physical-interface>
  <ima-link-properties>
    <ima-group-id>
      ima-group-id
    </ima-group-id>
    <ima-link-direction>
```

```
    ima-link-direction
  </ima-link-direction>
</ima-link-properties>
</physical-interface>
```

#### Description

### <ima-link-properties>

#### Usage

```
<interface-information>
  <physical-interface>
    <ima-link-properties>
      <ima-group-id>
        ima-group-id
      </ima-group-id>
      <ima-link-direction>
        ima-link-direction
      </ima-link-direction>
    </ima-link-properties>
  </physical-interface>
</interface-information>
```

#### Description

### <ima-link-properties>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <ima-link-properties>
      <ima-group-id>
        ima-group-id
      </ima-group-id>
      <ima-link-direction>
        ima-link-direction
      </ima-link-direction>
    </ima-link-properties>
  </physical-interface>
</interface-filter-information>
```

#### Description

### <ima-link-properties>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <ima-link-properties>
      <ima-group-id>
        ima-group-id
      </ima-group-id>
      <ima-link-direction>
```



```

        ima-link-direction
      </ima-link-direction>
    </ima-link-properties>
  </physical-interface>
</interface-policer-information>

```

#### Description

#### <ima-state>

##### Usage

```

<ima-state>
  <media-type>
    media-type
  </media-type>
  <ima-state-line>
    ima-state-line
  </ima-state-line>
  <ima-state-near-end>
    ima-state-near-end
  </ima-state-near-end>
  <ima-state-far-end>
    ima-state-far-end
  </ima-state-far-end>
</ima-state>

```

#### Description

#### <ima-state>

##### Usage

```

<physical-interface>
  <ima-state>
    <media-type>
      media-type
    </media-type>
    <ima-state-line>
      ima-state-line
    </ima-state-line>
    <ima-state-near-end>
      ima-state-near-end
    </ima-state-near-end>
    <ima-state-far-end>
      ima-state-far-end
    </ima-state-far-end>
  </ima-state>
</physical-interface>

```

#### Description

## <ima-state>

### Usage

```
<interface-information>
<physical-interface>
  <ima-state>
    <media-type>
      media-type
    </media-type>
    <ima-state-line>
      ima-state-line
    </ima-state-line>
    <ima-state-near-end>
      ima-state-near-end
    </ima-state-near-end>
    <ima-state-far-end>
      ima-state-far-end
    </ima-state-far-end>
  </ima-state>
</physical-interface>
</interface-information>
```

### Description

## <ima-state>

### Usage

```
<interface-filter-information>
<physical-interface>
  <ima-state>
    <media-type>
      media-type
    </media-type>
    <ima-state-line>
      ima-state-line
    </ima-state-line>
    <ima-state-near-end>
      ima-state-near-end
    </ima-state-near-end>
    <ima-state-far-end>
      ima-state-far-end
    </ima-state-far-end>
  </ima-state>
</physical-interface>
</interface-filter-information>
```

### Description

## <ima-state>

### Usage

```
<interface-policer-information>
<physical-interface>
```

```

<ima-state>
  <media-type>
    media-type
  </media-type>
  <ima-state-line>
    ima-state-line
  </ima-state-line>
  <ima-state-near-end>
    ima-state-near-end
  </ima-state-near-end>
  <ima-state-far-end>
    ima-state-far-end
  </ima-state-far-end>
</ima-state>
</physical-interface>
</interface-policer-information>

```

## Description

### <in-arp-statistics>

#### Usage

```

<virtual-circuit-information>
  <in-arp-statistics>
    <received-count>
      received-count
    </received-count>
    <transmitted-count>
      transmitted-count
    </transmitted-count>
    <denied-count>
      denied-count
    </denied-count>
    <operation-not-supported-count>
      operation-not-supported-count
    </operation-not-supported-count>
    <bad-packet-length-count>
      bad-packet-length-count
    </bad-packet-length-count>
    <bad-protocol-count>
      bad-protocol-count
    </bad-protocol-count>
    <bad-protocol-length-count>
      bad-protocol-length-count
    </bad-protocol-length-count>
    <bad-hardware-length-count>
      bad-hardware-length-count
    </bad-hardware-length-count>
    <dropped-count>
      dropped-count
    </dropped-count>
    <last-received>
      last-received
    </last-received>
    <last-transmitted>

```

```
        last-transmitted
      </last-transmitted>
    </in-arp-statistics>
  </virtual-circuit-information>
```

**Description** Container tag for ARP statistics

## <in-arp-statistics>

### Usage

```
<logical-interface>
  <virtual-circuit-information>
    <in-arp-statistics>
      <received-count>
        received-count
      </received-count>
      <transmitted-count>
        transmitted-count
      </transmitted-count>
      <denied-count>
        denied-count
      </denied-count>
      <operation-not-supported-count>
        operation-not-supported-count
      </operation-not-supported-count>
      <bad-packet-length-count>
        bad-packet-length-count
      </bad-packet-length-count>
      <bad-protocol-count>
        bad-protocol-count
      </bad-protocol-count>
      <bad-protocol-length-count>
        bad-protocol-length-count
      </bad-protocol-length-count>
      <bad-hardware-length-count>
        bad-hardware-length-count
      </bad-hardware-length-count>
      <dropped-count>
        dropped-count
      </dropped-count>
      <last-received>
        last-received
      </last-received>
      <last-transmitted>
        last-transmitted
      </last-transmitted>
    </in-arp-statistics>
  </virtual-circuit-information>
</logical-interface>
```

**Description** Container tag for ARP statistics

**<in-arp-statistics>****Usage**

```

<logical-interface>
  <in-arp-statistics>
    <received-count>
      received-count
    </received-count>
    <transmitted-count>
      transmitted-count
    </transmitted-count>
    <denied-count>
      denied-count
    </denied-count>
    <operation-not-supported-count>
      operation-not-supported-count
    </operation-not-supported-count>
    <bad-packet-length-count>
      bad-packet-length-count
    </bad-packet-length-count>
    <bad-protocol-count>
      bad-protocol-count
    </bad-protocol-count>
    <bad-protocol-length-count>
      bad-protocol-length-count
    </bad-protocol-length-count>
    <bad-hardware-length-count>
      bad-hardware-length-count
    </bad-hardware-length-count>
    <dropped-count>
      dropped-count
    </dropped-count>
    <last-received>
      last-received
    </last-received>
    <last-transmitted>
      last-transmitted
    </last-transmitted>
  </in-arp-statistics>
</logical-interface>

```

**Description** Container tag for ARP statistics

**<in-arp-statistics>****Usage**

```

<physical-interface>
  <logical-interface>
    <virtual-circuit-information>
      <in-arp-statistics>
        <received-count>
          received-count
        </received-count>

```

```
<transmitted-count>
  transmitted-count
</transmitted-count>
<denied-count>
  denied-count
</denied-count>
<operation-not-supported-count>
  operation-not-supported-count
</operation-not-supported-count>
<bad-packet-length-count>
  bad-packet-length-count
</bad-packet-length-count>
<bad-protocol-count>
  bad-protocol-count
</bad-protocol-count>
<bad-protocol-length-count>
  bad-protocol-length-count
</bad-protocol-length-count>
<bad-hardware-length-count>
  bad-hardware-length-count
</bad-hardware-length-count>
<dropped-count>
  dropped-count
</dropped-count>
<last-received>
  last-received
</last-received>
<last-transmitted>
  last-transmitted
</last-transmitted>
</in-arp-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
```

**Description** Container tag for ARP statistics

### <in-arp-statistics>

#### Usage

```
<physical-interface>
<logical-interface>
  <in-arp-statistics>
    <received-count>
      received-count
    </received-count>
    <transmitted-count>
      transmitted-count
    </transmitted-count>
    <denied-count>
      denied-count
    </denied-count>
    <operation-not-supported-count>
      operation-not-supported-count
```

```

</operation-not-supported-count>
<bad-packet-length-count>
  bad-packet-length-count
</bad-packet-length-count>
<bad-protocol-count>
  bad-protocol-count
</bad-protocol-count>
<bad-protocol-length-count>
  bad-protocol-length-count
</bad-protocol-length-count>
<bad-hardware-length-count>
  bad-hardware-length-count
</bad-hardware-length-count>
<dropped-count>
  dropped-count
</dropped-count>
<last-received>
  last-received
</last-received>
<last-transmitted>
  last-transmitted
</last-transmitted>
</in-arp-statistics>
</logical-interface>
</physical-interface>

```

**Description** Container tag for ARP statistics

### <in-arp-statistics>

#### Usage

```

<interface-information>
  <physical-interface>
  <logical-interface>
  <virtual-circuit-information>
    <in-arp-statistics>
      <received-count>
        received-count
      </received-count>
      <transmitted-count>
        transmitted-count
      </transmitted-count>
      <denied-count>
        denied-count
      </denied-count>
      <operation-not-supported-count>
        operation-not-supported-count
      </operation-not-supported-count>
      <bad-packet-length-count>
        bad-packet-length-count
      </bad-packet-length-count>
      <bad-protocol-count>
        bad-protocol-count
      </bad-protocol-count>
    </in-arp-statistics>
  </virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-information>

```

```
<bad-protocol-length-count>
  bad-protocol-length-count
</bad-protocol-length-count>
<bad-hardware-length-count>
  bad-hardware-length-count
</bad-hardware-length-count>
<dropped-count>
  dropped-count
</dropped-count>
<last-received>
  last-received
</last-received>
<last-transmitted>
  last-transmitted
</last-transmitted>
</in-arp-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** Container tag for ARP statistics

### <in-arp-statistics>

#### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
  <in-arp-statistics>
    <received-count>
      received-count
    </received-count>
    <transmitted-count>
      transmitted-count
    </transmitted-count>
    <denied-count>
      denied-count
    </denied-count>
    <operation-not-supported-count>
      operation-not-supported-count
    </operation-not-supported-count>
    <bad-packet-length-count>
      bad-packet-length-count
    </bad-packet-length-count>
    <bad-protocol-count>
      bad-protocol-count
    </bad-protocol-count>
    <bad-protocol-length-count>
      bad-protocol-length-count
    </bad-protocol-length-count>
    <bad-hardware-length-count>
      bad-hardware-length-count
    </bad-hardware-length-count>
```



```

<dropped-count>
  dropped-count
</dropped-count>
<last-received>
  last-received
</last-received>
<last-transmitted>
  last-transmitted
</last-transmitted>
</in-arp-statistics>
</logical-interface>
</physical-interface>
</interface-information>

```

**Description** Container tag for ARP statistics

### <in-arp-statistics>

#### Usage

```

<interface-information>
  <logical-interface>
    <virtual-circuit-information>
      <in-arp-statistics>
        <received-count>
          received-count
        </received-count>
        <transmitted-count>
          transmitted-count
        </transmitted-count>
        <denied-count>
          denied-count
        </denied-count>
        <operation-not-supported-count>
          operation-not-supported-count
        </operation-not-supported-count>
        <bad-packet-length-count>
          bad-packet-length-count
        </bad-packet-length-count>
        <bad-protocol-count>
          bad-protocol-count
        </bad-protocol-count>
        <bad-protocol-length-count>
          bad-protocol-length-count
        </bad-protocol-length-count>
        <bad-hardware-length-count>
          bad-hardware-length-count
        </bad-hardware-length-count>
        <dropped-count>
          dropped-count
        </dropped-count>
        <last-received>
          last-received
        </last-received>
        <last-transmitted>

```

```
        last-transmitted
      </last-transmitted>
    </in-arp-statistics>
  </virtual-circuit-information>
</logical-interface>
</interface-information>
```

**Description** Container tag for ARP statistics

## <in-arp-statistics>

### Usage

```
<interface-information>
  <logical-interface>
    <in-arp-statistics>
      <received-count>
        received-count
      </received-count>
      <transmitted-count>
        transmitted-count
      </transmitted-count>
      <denied-count>
        denied-count
      </denied-count>
      <operation-not-supported-count>
        operation-not-supported-count
      </operation-not-supported-count>
      <bad-packet-length-count>
        bad-packet-length-count
      </bad-packet-length-count>
      <bad-protocol-count>
        bad-protocol-count
      </bad-protocol-count>
      <bad-protocol-length-count>
        bad-protocol-length-count
      </bad-protocol-length-count>
      <bad-hardware-length-count>
        bad-hardware-length-count
      </bad-hardware-length-count>
      <dropped-count>
        dropped-count
      </dropped-count>
      <last-received>
        last-received
      </last-received>
      <last-transmitted>
        last-transmitted
      </last-transmitted>
    </in-arp-statistics>
  </logical-interface>
</interface-information>
```

**Description** Container tag for ARP statistics

**<in-arp-statistics>****Usage**

```

<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <virtual-circuit-information>
      <in-arp-statistics>
        <received-count>
          received-count
        </received-count>
        <transmitted-count>
          transmitted-count
        </transmitted-count>
        <denied-count>
          denied-count
        </denied-count>
        <operation-not-supported-count>
          operation-not-supported-count
        </operation-not-supported-count>
        <bad-packet-length-count>
          bad-packet-length-count
        </bad-packet-length-count>
        <bad-protocol-count>
          bad-protocol-count
        </bad-protocol-count>
        <bad-protocol-length-count>
          bad-protocol-length-count
        </bad-protocol-length-count>
        <bad-hardware-length-count>
          bad-hardware-length-count
        </bad-hardware-length-count>
        <dropped-count>
          dropped-count
        </dropped-count>
        <last-received>
          last-received
        </last-received>
        <last-transmitted>
          last-transmitted
        </last-transmitted>
      </in-arp-statistics>
    </virtual-circuit-information>
  </logical-interface>
</physical-interface>
</interface-filter-information>

```

**Description** Container tag for ARP statistics

**<in-arp-statistics>****Usage**

```

<interface-filter-information>

```

```
<physical-interface>
  <logical-interface>
    <in-arp-statistics>
      <received-count>
        received-count
      </received-count>
      <transmitted-count>
        transmitted-count
      </transmitted-count>
      <denied-count>
        denied-count
      </denied-count>
      <operation-not-supported-count>
        operation-not-supported-count
      </operation-not-supported-count>
      <bad-packet-length-count>
        bad-packet-length-count
      </bad-packet-length-count>
      <bad-protocol-count>
        bad-protocol-count
      </bad-protocol-count>
      <bad-protocol-length-count>
        bad-protocol-length-count
      </bad-protocol-length-count>
      <bad-hardware-length-count>
        bad-hardware-length-count
      </bad-hardware-length-count>
      <dropped-count>
        dropped-count
      </dropped-count>
      <last-received>
        last-received
      </last-received>
      <last-transmitted>
        last-transmitted
      </last-transmitted>
    </in-arp-statistics>
  </logical-interface>
</physical-interface>
</interface-filter-information>
```

**Description**    Container tag for ARP statistics

### <in-arp-statistics>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <virtual-circuit-information>
      <in-arp-statistics>
        <received-count>
          received-count
        </received-count>
        <transmitted-count>
```

```

        transmitted-count
      </transmitted-count>
    <denied-count>
      denied-count
    </denied-count>
    <operation-not-supported-count>
      operation-not-supported-count
    </operation-not-supported-count>
    <bad-packet-length-count>
      bad-packet-length-count
    </bad-packet-length-count>
    <bad-protocol-count>
      bad-protocol-count
    </bad-protocol-count>
    <bad-protocol-length-count>
      bad-protocol-length-count
    </bad-protocol-length-count>
    <bad-hardware-length-count>
      bad-hardware-length-count
    </bad-hardware-length-count>
    <dropped-count>
      dropped-count
    </dropped-count>
    <last-received>
      last-received
    </last-received>
    <last-transmitted>
      last-transmitted
    </last-transmitted>
  </in-arp-statistics>
</virtual-circuit-information>
</logical-interface>
</interface-filter-information>

```

**Description** Container tag for ARP statistics

### <in-arp-statistics>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <in-arp-statistics>
      <received-count>
        received-count
      </received-count>
      <transmitted-count>
        transmitted-count
      </transmitted-count>
      <denied-count>
        denied-count
      </denied-count>
      <operation-not-supported-count>
        operation-not-supported-count
      </operation-not-supported-count>
    </in-arp-statistics>
  </logical-interface>
</interface-filter-information>

```

```
<bad-packet-length-count>
  bad-packet-length-count
</bad-packet-length-count>
<bad-protocol-count>
  bad-protocol-count
</bad-protocol-count>
<bad-protocol-length-count>
  bad-protocol-length-count
</bad-protocol-length-count>
<bad-hardware-length-count>
  bad-hardware-length-count
</bad-hardware-length-count>
<dropped-count>
  dropped-count
</dropped-count>
<last-received>
  last-received
</last-received>
<last-transmitted>
  last-transmitted
</last-transmitted>
</in-arp-statistics>
</logical-interface>
</interface-filter-information>
```

**Description** Container tag for ARP statistics

### <in-arp-statistics>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
  <virtual-circuit-information>
    <in-arp-statistics>
      <received-count>
        received-count
      </received-count>
      <transmitted-count>
        transmitted-count
      </transmitted-count>
      <denied-count>
        denied-count
      </denied-count>
      <operation-not-supported-count>
        operation-not-supported-count
      </operation-not-supported-count>
      <bad-packet-length-count>
        bad-packet-length-count
      </bad-packet-length-count>
      <bad-protocol-count>
        bad-protocol-count
      </bad-protocol-count>
      <bad-protocol-length-count>
```

```

        bad-protocol-length-count
      </bad-protocol-length-count>
      <bad-hardware-length-count>
        bad-hardware-length-count
      </bad-hardware-length-count>
      <dropped-count>
        dropped-count
      </dropped-count>
      <last-received>
        last-received
      </last-received>
      <last-transmitted>
        last-transmitted
      </last-transmitted>
    </in-arp-statistics>
  </virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** Container tag for ARP statistics

## <in-arp-statistics>

### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <in-arp-statistics>
        <received-count>
          received-count
        </received-count>
        <transmitted-count>
          transmitted-count
        </transmitted-count>
        <denied-count>
          denied-count
        </denied-count>
        <operation-not-supported-count>
          operation-not-supported-count
        </operation-not-supported-count>
        <bad-packet-length-count>
          bad-packet-length-count
        </bad-packet-length-count>
        <bad-protocol-count>
          bad-protocol-count
        </bad-protocol-count>
        <bad-protocol-length-count>
          bad-protocol-length-count
        </bad-protocol-length-count>
        <bad-hardware-length-count>
          bad-hardware-length-count
        </bad-hardware-length-count>
        <dropped-count>

```

```
        dropped-count
      </dropped-count>
    <last-received>
      last-received
    </last-received>
    <last-transmitted>
      last-transmitted
    </last-transmitted>
  </in-arp-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

**Description** Container tag for ARP statistics

## <in-arp-statistics>

### Usage

```
<interface-policer-information>
  <logical-interface>
    <virtual-circuit-information>
      <in-arp-statistics>
        <received-count>
          received-count
        </received-count>
        <transmitted-count>
          transmitted-count
        </transmitted-count>
        <denied-count>
          denied-count
        </denied-count>
        <operation-not-supported-count>
          operation-not-supported-count
        </operation-not-supported-count>
        <bad-packet-length-count>
          bad-packet-length-count
        </bad-packet-length-count>
        <bad-protocol-count>
          bad-protocol-count
        </bad-protocol-count>
        <bad-protocol-length-count>
          bad-protocol-length-count
        </bad-protocol-length-count>
        <bad-hardware-length-count>
          bad-hardware-length-count
        </bad-hardware-length-count>
        <dropped-count>
          dropped-count
        </dropped-count>
        <last-received>
          last-received
        </last-received>
        <last-transmitted>
          last-transmitted
```



```

        </last-transmitted>
      </in-arp-statistics>
    </virtual-circuit-information>
  </logical-interface>
</interface-policer-information>

```

**Description** Container tag for ARP statistics

## <in-arp-statistics>

### Usage

```

<interface-policer-information>
  <logical-interface>
    <in-arp-statistics>
      <received-count>
        received-count
      </received-count>
      <transmitted-count>
        transmitted-count
      </transmitted-count>
      <denied-count>
        denied-count
      </denied-count>
      <operation-not-supported-count>
        operation-not-supported-count
      </operation-not-supported-count>
      <bad-packet-length-count>
        bad-packet-length-count
      </bad-packet-length-count>
      <bad-protocol-count>
        bad-protocol-count
      </bad-protocol-count>
      <bad-protocol-length-count>
        bad-protocol-length-count
      </bad-protocol-length-count>
      <bad-hardware-length-count>
        bad-hardware-length-count
      </bad-hardware-length-count>
      <dropped-count>
        dropped-count
      </dropped-count>
      <last-received>
        last-received
      </last-received>
      <last-transmitted>
        last-transmitted
      </last-transmitted>
    </in-arp-statistics>
  </logical-interface>
</interface-policer-information>

```

**Description** Container tag for ARP statistics

## <in6-addr-flags>

### Usage

```
<in6-addr-flags>
  <in6-anycast>
    in6-anycast
  </in6-anycast>
  <in6-tentative>
    in6-tentative
  </in6-tentative>
  <in6-duplicate>
    in6-duplicate
  </in6-duplicate>
  <in6-detached>
    in6-detached
  </in6-detached>
  <in6-deprecated>
    in6-deprecated
  </in6-deprecated>
  <in6-nodad>
    in6-nodad
  </in6-nodad>
  <in6-temporary>
    in6-temporary
  </in6-temporary>
  <in6-autoconf>
    in6-autoconf
  </in6-autoconf>
  <in6-nopfxmgmt>
    in6-nopfxmgmt
  </in6-nopfxmgmt>
</in6-addr-flags>
```

### Description

## <in6-addr-flags>

### Usage

```
<interface-address>
  <in6-addr-flags>
    <in6-anycast>
      in6-anycast
    </in6-anycast>
    <in6-tentative>
      in6-tentative
    </in6-tentative>
    <in6-duplicate>
      in6-duplicate
    </in6-duplicate>
    <in6-detached>
      in6-detached
    </in6-detached>
    <in6-deprecated>
      in6-deprecated
```

```

</in6-deprecated>
<in6-nodad>
  in6-nodad
</in6-nodad>
<in6-temporary>
  in6-temporary
</in6-temporary>
<in6-autoconf>
  in6-autoconf
</in6-autoconf>
<in6-nopfxmgmt>
  in6-nopfxmgmt
</in6-nopfxmgmt>
</in6-addr-flags>
</interface-address>

```

## Description

### <in6-addr-flags>

#### Usage

```

<address-family>
  <interface-address>
    <in6-addr-flags>
      <in6-anycast>
        in6-anycast
      </in6-anycast>
      <in6-tentative>
        in6-tentative
      </in6-tentative>
      <in6-duplicate>
        in6-duplicate
      </in6-duplicate>
      <in6-detached>
        in6-detached
      </in6-detached>
      <in6-deprecated>
        in6-deprecated
      </in6-deprecated>
      <in6-nodad>
        in6-nodad
      </in6-nodad>
      <in6-temporary>
        in6-temporary
      </in6-temporary>
      <in6-autoconf>
        in6-autoconf
      </in6-autoconf>
      <in6-nopfxmgmt>
        in6-nopfxmgmt
      </in6-nopfxmgmt>
    </in6-addr-flags>
  </interface-address>
</address-family>

```

**Description****<in6-addr-flags>****Usage**

```
<logical-interface>
<address-family>
  <interface-address>
    <in6-addr-flags>
      <in6-anycast>
        in6-anycast
      </in6-anycast>
      <in6-tentative>
        in6-tentative
      </in6-tentative>
      <in6-duplicate>
        in6-duplicate
      </in6-duplicate>
      <in6-detached>
        in6-detached
      </in6-detached>
      <in6-deprecated>
        in6-deprecated
      </in6-deprecated>
      <in6-nodad>
        in6-nodad
      </in6-nodad>
      <in6-temporary>
        in6-temporary
      </in6-temporary>
      <in6-autoconf>
        in6-autoconf
      </in6-autoconf>
      <in6-nopfxmgmt>
        in6-nopfxmgmt
      </in6-nopfxmgmt>
    </in6-addr-flags>
  </interface-address>
</address-family>
</logical-interface>
```

**Description****<in6-addr-flags>****Usage**

```
<physical-interface>
<logical-interface>
  <address-family>
    <interface-address>
      <in6-addr-flags>
        <in6-anycast>
          in6-anycast
        </in6-anycast>
        <in6-tentative>
```

```

        in6-tentative
      </in6-tentative>
    <in6-duplicate>
      in6-duplicate
    </in6-duplicate>
    <in6-detached>
      in6-detached
    </in6-detached>
    <in6-deprecated>
      in6-deprecated
    </in6-deprecated>
    <in6-nodad>
      in6-nodad
    </in6-nodad>
    <in6-temporary>
      in6-temporary
    </in6-temporary>
    <in6-autoconf>
      in6-autoconf
    </in6-autoconf>
    <in6-nopfxmgmt>
      in6-nopfxmgmt
    </in6-nopfxmgmt>
  </in6-addr-flags>
</interface-address>
</address-family>
</logical-interface>
</physical-interface>

```

## Description

### <in6-addr-flags>

#### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <address-family>
        <interface-address>
          <in6-addr-flags>
            <in6-anycast>
              in6-anycast
            </in6-anycast>
            <in6-tentative>
              in6-tentative
            </in6-tentative>
            <in6-duplicate>
              in6-duplicate
            </in6-duplicate>
            <in6-detached>
              in6-detached
            </in6-detached>
            <in6-deprecated>
              in6-deprecated
            </in6-deprecated>
          </in6-addr-flags>
        </interface-address>
      </address-family>
    </logical-interface>
  </physical-interface>
</interface-information>

```

```
<in6-nodad>
  in6-nodad
</in6-nodad>
<in6-temporary>
  in6-temporary
</in6-temporary>
<in6-autoconf>
  in6-autoconf
</in6-autoconf>
<in6-nopfxmgmt>
  in6-nopfxmgmt
</in6-nopfxmgmt>
</in6-addr-flags>
</interface-address>
</address-family>
</logical-interface>
</physical-interface>
</interface-information>
```

## Description

### <in6-addr-flags>

#### Usage

```
<interface-information>
<logical-interface>
<address-family>
<interface-address>
  <in6-addr-flags>
    <in6-anycast>
      in6-anycast
    </in6-anycast>
    <in6-tentative>
      in6-tentative
    </in6-tentative>
    <in6-duplicate>
      in6-duplicate
    </in6-duplicate>
    <in6-detached>
      in6-detached
    </in6-detached>
    <in6-deprecated>
      in6-deprecated
    </in6-deprecated>
    <in6-nodad>
      in6-nodad
    </in6-nodad>
    <in6-temporary>
      in6-temporary
    </in6-temporary>
    <in6-autoconf>
      in6-autoconf
    </in6-autoconf>
    <in6-nopfxmgmt>
      in6-nopfxmgmt
```

```

        </in6-nopfxmgmt>
      </in6-addr-flags>
    </interface-address>
  </address-family>
</logical-interface>
</interface-information>

```

## Description

### <in6-addr-flags>

#### Usage

```

<interface-filter-information>
<physical-interface>
<logical-interface>
<address-family>
  <interface-address>
    <in6-addr-flags>
      <in6-anycast>
        in6-anycast
      </in6-anycast>
      <in6-tentative>
        in6-tentative
      </in6-tentative>
      <in6-duplicate>
        in6-duplicate
      </in6-duplicate>
      <in6-detached>
        in6-detached
      </in6-detached>
      <in6-deprecated>
        in6-deprecated
      </in6-deprecated>
      <in6-nodad>
        in6-nodad
      </in6-nodad>
      <in6-temporary>
        in6-temporary
      </in6-temporary>
      <in6-autoconf>
        in6-autoconf
      </in6-autoconf>
      <in6-nopfxmgmt>
        in6-nopfxmgmt
      </in6-nopfxmgmt>
    </in6-addr-flags>
  </interface-address>
</address-family>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

## Description

## <in6-addr-flags>

### Usage

```
<interface-filter-information>
<logical-interface>
<address-family>
<interface-address>
  <in6-addr-flags>
    <in6-anycast>
      in6-anycast
    </in6-anycast>
    <in6-tentative>
      in6-tentative
    </in6-tentative>
    <in6-duplicate>
      in6-duplicate
    </in6-duplicate>
    <in6-detached>
      in6-detached
    </in6-detached>
    <in6-deprecated>
      in6-deprecated
    </in6-deprecated>
    <in6-nodad>
      in6-nodad
    </in6-nodad>
    <in6-temporary>
      in6-temporary
    </in6-temporary>
    <in6-autoconf>
      in6-autoconf
    </in6-autoconf>
    <in6-nopfxmgmt>
      in6-nopfxmgmt
    </in6-nopfxmgmt>
  </in6-addr-flags>
</interface-address>
</address-family>
</logical-interface>
</interface-filter-information>
```

### Description

## <in6-addr-flags>

### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
<address-family>
<interface-address>
  <in6-addr-flags>
    <in6-anycast>
      in6-anycast
```



```

</in6-anycast>
<in6-tentative>
  in6-tentative
</in6-tentative>
<in6-duplicate>
  in6-duplicate
</in6-duplicate>
<in6-detached>
  in6-detached
</in6-detached>
<in6-deprecated>
  in6-deprecated
</in6-deprecated>
<in6-nodad>
  in6-nodad
</in6-nodad>
<in6-temporary>
  in6-temporary
</in6-temporary>
<in6-autoconf>
  in6-autoconf
</in6-autoconf>
<in6-nopfxmgmt>
  in6-nopfxmgmt
</in6-nopfxmgmt>
</in6-addr-flags>
</interface-address>
</address-family>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

## Description

### <in6-addr-flags>

#### Usage

```

<interface-policer-information>
<logical-interface>
<address-family>
<interface-address>
  <in6-addr-flags>
    <in6-anycast>
      in6-anycast
    </in6-anycast>
    <in6-tentative>
      in6-tentative
    </in6-tentative>
    <in6-duplicate>
      in6-duplicate
    </in6-duplicate>
    <in6-detached>
      in6-detached
    </in6-detached>
    <in6-deprecated>

```

```
        in6-deprecated
      </in6-deprecated>
      <in6-nodad>
        in6-nodad
      </in6-nodad>
      <in6-temporary>
        in6-temporary
      </in6-temporary>
      <in6-autoconf>
        in6-autoconf
      </in6-autoconf>
      <in6-nopfxmgmt>
        in6-nopfxmgmt
      </in6-nopfxmgmt>
    </in6-addr-flags>
  </interface-address>
</address-family>
</logical-interface>
</interface-policer-information>
```

#### Description

### <ingress-queue-counters>

#### Usage

```
<ingress-queue-counters>
  <interface-chassis-cos-summary>....</interface-chassis-cos-summary>
  <queue>....</queue>
  <interface-cos-summary>....</interface-cos-summary>
  <interface-cos-short-summary>....</interface-cos-short-summary>

  <queue-num-forwarding-class-name-map>....</queue-num-forwarding-class-name-map>

</ingress-queue-counters>
```

**Description** Ingress queue counter statistics

### <ingress-queue-counters>

#### Usage

```
<logical-interface>
  <ingress-queue-counters>
    <interface-chassis-cos-summary>....</interface-chassis-cos-summary>
    <queue>....</queue>
    <interface-cos-summary>....</interface-cos-summary>
    <interface-cos-short-summary>....</interface-cos-short-summary>

    <queue-num-forwarding-class-name-map>....</queue-num-forwarding-class-name-map>

  </ingress-queue-counters>
</logical-interface>
```

**Description** Ingress queue counter statistics

### <ingress-queue-counters>

#### Usage

```
<physical-interface>
<logical-interface>
  <ingress-queue-counters>
    <interface-chassis-cos-summary>....</interface-chassis-cos-summary>
    <queue>....</queue>
    <interface-cos-summary>....</interface-cos-summary>
    <interface-cos-short-summary>....</interface-cos-short-summary>

    <queue-num-forwarding-class-name-map>....</queue-num-forwarding-class-name-map>

  </ingress-queue-counters>
</logical-interface>
</physical-interface>
```

**Description** Ingress queue counter statistics

### <ingress-queue-counters>

#### Usage

```
<physical-interface>
  <ingress-queue-counters>
    <interface-chassis-cos-summary>....</interface-chassis-cos-summary>
    <queue>....</queue>
    <interface-cos-summary>....</interface-cos-summary>
    <interface-cos-short-summary>....</interface-cos-short-summary>

    <queue-num-forwarding-class-name-map>....</queue-num-forwarding-class-name-map>

  </ingress-queue-counters>
</physical-interface>
```

**Description** Ingress queue counter statistics

### <ingress-queue-counters>

#### Usage

```
<interface-set>
  <interface-set-queue-information>
    <ingress-queue-counters>
      <interface-chassis-cos-summary>....</interface-chassis-cos-summary>
      <queue>....</queue>
      <interface-cos-summary>....</interface-cos-summary>
      <interface-cos-short-summary>....</interface-cos-short-summary>

    <queue-num-forwarding-class-name-map>....</queue-num-forwarding-class-name-map>

  </ingress-queue-counters>
</interface-set-queue-information>
</interface-set>
```

```
</interface-set-queue-information>
</interface-set>
```

**Description** Ingress queue counter statistics

### <ingress-queue-counters>

#### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <ingress-queue-counters>
        <interface-chassis-cos-summary>....</interface-chassis-cos-summary>
        <queue>....</queue>
        <interface-cos-summary>....</interface-cos-summary>
        <interface-cos-short-summary>....</interface-cos-short-summary>

        <queue-num-forwarding-class-name-map>....</queue-num-forwarding-class-name-map>

      </ingress-queue-counters>
    </logical-interface>
  </physical-interface>
</interface-information>
```

**Description** Ingress queue counter statistics

### <ingress-queue-counters>

#### Usage

```
<interface-information>
  <physical-interface>
    <ingress-queue-counters>
      <interface-chassis-cos-summary>....</interface-chassis-cos-summary>
      <queue>....</queue>
      <interface-cos-summary>....</interface-cos-summary>
      <interface-cos-short-summary>....</interface-cos-short-summary>

      <queue-num-forwarding-class-name-map>....</queue-num-forwarding-class-name-map>

    </ingress-queue-counters>
  </physical-interface>
</interface-information>
```

**Description** Ingress queue counter statistics

### <ingress-queue-counters>

#### Usage

```
<interface-information>
  <logical-interface>
    <ingress-queue-counters>
```

```

<interface-chassis-cos-summary>....</interface-chassis-cos-summary>
<queue>....</queue>
<interface-cos-summary>....</interface-cos-summary>
<interface-cos-short-summary>....</interface-cos-short-summary>

<queue-num-forwarding-class-name-map>....</queue-num-forwarding-class-name-map>

</ingress-queue-counters>
</logical-interface>
</interface-information>

```

**Description** Ingress queue counter statistics

### <ingress-queue-counters>

#### Usage

```

<interface-information>
<interface-set>
<interface-set-queue-information>
<ingress-queue-counters>
<interface-chassis-cos-summary>....</interface-chassis-cos-summary>
<queue>....</queue>
<interface-cos-summary>....</interface-cos-summary>
<interface-cos-short-summary>....</interface-cos-short-summary>

<queue-num-forwarding-class-name-map>....</queue-num-forwarding-class-name-map>

</ingress-queue-counters>
</interface-set-queue-information>
</interface-set>
</interface-information>

```

**Description** Ingress queue counter statistics

### <ingress-queue-counters>

#### Usage

```

<interface-filter-information>
<physical-interface>
<logical-interface>
<ingress-queue-counters>
<interface-chassis-cos-summary>....</interface-chassis-cos-summary>
<queue>....</queue>
<interface-cos-summary>....</interface-cos-summary>
<interface-cos-short-summary>....</interface-cos-short-summary>

<queue-num-forwarding-class-name-map>....</queue-num-forwarding-class-name-map>

</ingress-queue-counters>
</logical-interface>
</physical-interface>

```

</interface-filter-information>

**Description** Ingress queue counter statistics

### <ingress-queue-counters>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <ingress-queue-counters>
      <interface-chassis-cos-summary>....</interface-chassis-cos-summary>
      <queue>....</queue>
      <interface-cos-summary>....</interface-cos-summary>
      <interface-cos-short-summary>....</interface-cos-short-summary>

    <queue-num-forwarding-class-name-map>....</queue-num-forwarding-class-name-map>

    </ingress-queue-counters>
  </physical-interface>
</interface-filter-information>
```

**Description** Ingress queue counter statistics

### <ingress-queue-counters>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <ingress-queue-counters>
      <interface-chassis-cos-summary>....</interface-chassis-cos-summary>
      <queue>....</queue>
      <interface-cos-summary>....</interface-cos-summary>
      <interface-cos-short-summary>....</interface-cos-short-summary>

    <queue-num-forwarding-class-name-map>....</queue-num-forwarding-class-name-map>

    </ingress-queue-counters>
  </logical-interface>
</interface-filter-information>
```

**Description** Ingress queue counter statistics

### <ingress-queue-counters>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <ingress-queue-counters>
        <interface-chassis-cos-summary>....</interface-chassis-cos-summary>
        <queue>....</queue>
```

```
<interface-cos-summary>....</interface-cos-summary>
<interface-cos-short-summary>....</interface-cos-short-summary>

<queue-num-forwarding-class-name-map>....</queue-num-forwarding-class-name-map>

    </ingress-queue-counters>
  </logical-interface>
</physical-interface>
</interface-policer-information>
```

**Description** Ingress queue counter statistics

### <ingress-queue-counters>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <ingress-queue-counters>
    <interface-chassis-cos-summary>....</interface-chassis-cos-summary>
    <queue>....</queue>
    <interface-cos-summary>....</interface-cos-summary>
    <interface-cos-short-summary>....</interface-cos-short-summary>

    <queue-num-forwarding-class-name-map>....</queue-num-forwarding-class-name-map>

  </ingress-queue-counters>
</physical-interface>
</interface-policer-information>
```

**Description** Ingress queue counter statistics

### <ingress-queue-counters>

#### Usage

```
<interface-policer-information>
<logical-interface>
  <ingress-queue-counters>
    <interface-chassis-cos-summary>....</interface-chassis-cos-summary>
    <queue>....</queue>
    <interface-cos-summary>....</interface-cos-summary>
    <interface-cos-short-summary>....</interface-cos-short-summary>

    <queue-num-forwarding-class-name-map>....</queue-num-forwarding-class-name-map>

  </ingress-queue-counters>
</logical-interface>
</interface-policer-information>
```

**Description** Ingress queue counter statistics

## <ingress-traffic-statistics>

### Usage

```
<ingress-traffic-statistics>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <input-packets>
    input-packets
  </input-packets>
  <input-pps>
    input-pps
  </input-pps>
  <input-drop-bytes>
    input-drop-bytes
  </input-drop-bytes>
  <input-drop-packets>
    input-drop-packets
  </input-drop-packets>
  <input-drop-bps>
    input-drop-bps
  </input-drop-bps>
  <input-drop-pps>
    input-drop-pps
  </input-drop-pps>
</ingress-traffic-statistics>
```

**Description** Traffic statistics at ingress before entering Packet Forwarding Engine

## <ingress-traffic-statistics>

### Usage

```
<logical-interface>
  <ingress-traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <input-drop-bytes>
      input-drop-bytes
    </input-drop-bytes>
    <input-drop-packets>
```



```

        input-drop-packets
      </input-drop-packets>
    <input-drop-bps>
      input-drop-bps
    </input-drop-bps>
    <input-drop-pps>
      input-drop-pps
    </input-drop-pps>
  </ingress-traffic-statistics>
</logical-interface>

```

**Description** Traffic statistics at ingress before entering Packet Forwarding Engine

### <ingress-traffic-statistics>

#### Usage

```

<physical-interface>
  <ingress-traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <input-drop-bytes>
      input-drop-bytes
    </input-drop-bytes>
    <input-drop-packets>
      input-drop-packets
    </input-drop-packets>
    <input-drop-bps>
      input-drop-bps
    </input-drop-bps>
    <input-drop-pps>
      input-drop-pps
    </input-drop-pps>
  </ingress-traffic-statistics>
</physical-interface>

```

**Description** Traffic statistics at ingress before entering Packet Forwarding Engine

### <ingress-traffic-statistics>

#### Usage

```

<physical-interface>
<logical-interface>

```

```
<ingress-traffic-statistics>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <input-packets>
    input-packets
  </input-packets>
  <input-pps>
    input-pps
  </input-pps>
  <input-drop-bytes>
    input-drop-bytes
  </input-drop-bytes>
  <input-drop-packets>
    input-drop-packets
  </input-drop-packets>
  <input-drop-bps>
    input-drop-bps
  </input-drop-bps>
  <input-drop-pps>
    input-drop-pps
  </input-drop-pps>
</ingress-traffic-statistics>
</logical-interface>
</physical-interface>
```

**Description** Traffic statistics at ingress before entering Packet Forwarding Engine

### <ingress-traffic-statistics>

#### Usage

```
<interface-information>
  <physical-interface>
    <ingress-traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <input-packets>
        input-packets
      </input-packets>
      <input-pps>
        input-pps
      </input-pps>
      <input-drop-bytes>
        input-drop-bytes
      </input-drop-bytes>
      <input-drop-packets>
        input-drop-packets
```

```

</input-drop-packets>
<input-drop-bps>
  input-drop-bps
</input-drop-bps>
<input-drop-pps>
  input-drop-pps
</input-drop-pps>
</ingress-traffic-statistics>
</physical-interface>
</interface-information>

```

**Description** Traffic statistics at ingress before entering Packet Forwarding Engine

### <ingress-traffic-statistics>

#### Usage

```

<interface-information>
<physical-interface>
<logical-interface>
  <ingress-traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <input-drop-bytes>
      input-drop-bytes
    </input-drop-bytes>
    <input-drop-packets>
      input-drop-packets
    </input-drop-packets>
    <input-drop-bps>
      input-drop-bps
    </input-drop-bps>
    <input-drop-pps>
      input-drop-pps
    </input-drop-pps>
  </ingress-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>

```

**Description** Traffic statistics at ingress before entering Packet Forwarding Engine

## <ingress-traffic-statistics>

### Usage

```
<interface-information>
  <logical-interface>
    <ingress-traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <input-packets>
        input-packets
      </input-packets>
      <input-pps>
        input-pps
      </input-pps>
      <input-drop-bytes>
        input-drop-bytes
      </input-drop-bytes>
      <input-drop-packets>
        input-drop-packets
      </input-drop-packets>
      <input-drop-bps>
        input-drop-bps
      </input-drop-bps>
      <input-drop-pps>
        input-drop-pps
      </input-drop-pps>
    </ingress-traffic-statistics>
  </logical-interface>
</interface-information>
```

**Description** Traffic statistics at ingress before entering Packet Forwarding Engine

## <ingress-traffic-statistics>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <ingress-traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <input-packets>
        input-packets
      </input-packets>
      <input-pps>
        input-pps
```

```

</input-pps>
<input-drop-bytes>
  input-drop-bytes
</input-drop-bytes>
<input-drop-packets>
  input-drop-packets
</input-drop-packets>
<input-drop-bps>
  input-drop-bps
</input-drop-bps>
<input-drop-pps>
  input-drop-pps
</input-drop-pps>
</ingress-traffic-statistics>
</physical-interface>
</interface-filter-information>

```

**Description** Traffic statistics at ingress before entering Packet Forwarding Engine

### <ingress-traffic-statistics>

#### Usage

```

<interface-filter-information>
<physical-interface>
<logical-interface>
  <ingress-traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <input-drop-bytes>
      input-drop-bytes
    </input-drop-bytes>
    <input-drop-packets>
      input-drop-packets
    </input-drop-packets>
    <input-drop-bps>
      input-drop-bps
    </input-drop-bps>
    <input-drop-pps>
      input-drop-pps
    </input-drop-pps>
  </ingress-traffic-statistics>
</logical-interface>
</physical-interface>

```

```
</interface-filter-information>
```

**Description** Traffic statistics at ingress before entering Packet Forwarding Engine

### <ingress-traffic-statistics>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <ingress-traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <input-packets>
        input-packets
      </input-packets>
      <input-pps>
        input-pps
      </input-pps>
      <input-drop-bytes>
        input-drop-bytes
      </input-drop-bytes>
      <input-drop-packets>
        input-drop-packets
      </input-drop-packets>
      <input-drop-bps>
        input-drop-bps
      </input-drop-bps>
      <input-drop-pps>
        input-drop-pps
      </input-drop-pps>
    </ingress-traffic-statistics>
  </logical-interface>
</interface-filter-information>
```

**Description** Traffic statistics at ingress before entering Packet Forwarding Engine

### <ingress-traffic-statistics>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <ingress-traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
```

```

<input-packets>
  input-packets
</input-packets>
<input-pps>
  input-pps
</input-pps>
<input-drop-bytes>
  input-drop-bytes
</input-drop-bytes>
<input-drop-packets>
  input-drop-packets
</input-drop-packets>
<input-drop-bps>
  input-drop-bps
</input-drop-bps>
<input-drop-pps>
  input-drop-pps
</input-drop-pps>
</ingress-traffic-statistics>
</physical-interface>
</interface-policer-information>

```

**Description** Traffic statistics at ingress before entering Packet Forwarding Engine

### <ingress-traffic-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <ingress-traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <input-packets>
        input-packets
      </input-packets>
      <input-pps>
        input-pps
      </input-pps>
      <input-drop-bytes>
        input-drop-bytes
      </input-drop-bytes>
      <input-drop-packets>
        input-drop-packets
      </input-drop-packets>
      <input-drop-bps>
        input-drop-bps
      </input-drop-bps>
      <input-drop-pps>
        input-drop-pps

```

```
        </input-drop-pps>
        </ingress-traffic-statistics>
    </logical-interface>
</physical-interface>
</interface-policer-information>
```

**Description** Traffic statistics at ingress before entering Packet Forwarding Engine

### <ingress-traffic-statistics>

#### Usage

```
<interface-policer-information>
<logical-interface>
  <ingress-traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <input-drop-bytes>
      input-drop-bytes
    </input-drop-bytes>
    <input-drop-packets>
      input-drop-packets
    </input-drop-packets>
    <input-drop-bps>
      input-drop-bps
    </input-drop-bps>
    <input-drop-pps>
      input-drop-pps
    </input-drop-pps>
  </ingress-traffic-statistics>
</logical-interface>
</interface-policer-information>
```

**Description** Traffic statistics at ingress before entering Packet Forwarding Engine

### <input-error-list>

#### Usage

```
<input-error-list>
<input-errors>
  input-errors
</input-errors>
<input-drops>
```



```

    input-drops
  </input-drops>
  <invalid-vcs>
    invalid-vcs
  </invalid-vcs>
  <framing-errors>
    framing-errors
  </framing-errors>
  <input-runts>
    input-runts
  </input-runts>
  <input-giants>
    input-giants
  </input-giants>
  <input-bucket-drops>
    input-bucket-drops
  </input-bucket-drops>
  <input-discards>
    input-discards
  </input-discards>
  <input-l3-incompletes>
    input-l3-incompletes
  </input-l3-incompletes>
  <input-l2-channel-errors>
    input-l2-channel-errors
  </input-l2-channel-errors>
  <input-l2-mismatch-timeouts>
    input-l2-mismatch-timeouts
  </input-l2-mismatch-timeouts>
  <input-fifo-errors>
    input-fifo-errors
  </input-fifo-errors>
  <hs-link-crc-errors>
    hs-link-crc-errors
  </hs-link-crc-errors>
  <hs-link-fifo-overflows>
    hs-link-fifo-overflows
  </hs-link-fifo-overflows>
  <sram-errors>
    sram-errors
  </sram-errors>
  <input-resource-errors>
    input-resource-errors
  </input-resource-errors>
</input-error-list>

```

**Description** Input errors on this interface

### <input-error-list>

#### Usage

```

<physical-interface>
  <input-error-list>
    <input-errors>

```

```
    input-errors
  </input-errors>
  <input-drops>
    input-drops
  </input-drops>
  <invalid-vcs>
    invalid-vcs
  </invalid-vcs>
  <framing-errors>
    framing-errors
  </framing-errors>
  <input-runts>
    input-runts
  </input-runts>
  <input-giants>
    input-giants
  </input-giants>
  <input-bucket-drops>
    input-bucket-drops
  </input-bucket-drops>
  <input-discards>
    input-discards
  </input-discards>
  <input-l3-incompletes>
    input-l3-incompletes
  </input-l3-incompletes>
  <input-l2-channel-errors>
    input-l2-channel-errors
  </input-l2-channel-errors>
  <input-l2-mismatch-timeouts>
    input-l2-mismatch-timeouts
  </input-l2-mismatch-timeouts>
  <input-fifo-errors>
    input-fifo-errors
  </input-fifo-errors>
  <hs-link-crc-errors>
    hs-link-crc-errors
  </hs-link-crc-errors>
  <hs-link-fifo-overflows>
    hs-link-fifo-overflows
  </hs-link-fifo-overflows>
  <sram-errors>
    sram-errors
  </sram-errors>
  <input-resource-errors>
    input-resource-errors
  </input-resource-errors>
</input-error-list>
</physical-interface>
```

**Description** Input errors on this interface

## <input-error-list>

### Usage

```

<interface-information>
  <physical-interface>
    <input-error-list>
      <input-errors>
        input-errors
      </input-errors>
      <input-drops>
        input-drops
      </input-drops>
      <invalid-vcs>
        invalid-vcs
      </invalid-vcs>
      <framing-errors>
        framing-errors
      </framing-errors>
      <input-runs>
        input-runs
      </input-runs>
      <input-giants>
        input-giants
      </input-giants>
      <input-bucket-drops>
        input-bucket-drops
      </input-bucket-drops>
      <input-discards>
        input-discards
      </input-discards>
      <input-l3-incompletes>
        input-l3-incompletes
      </input-l3-incompletes>
      <input-l2-channel-errors>
        input-l2-channel-errors
      </input-l2-channel-errors>
      <input-l2-mismatch-timeouts>
        input-l2-mismatch-timeouts
      </input-l2-mismatch-timeouts>
      <input-fifo-errors>
        input-fifo-errors
      </input-fifo-errors>
      <hs-link-crc-errors>
        hs-link-crc-errors
      </hs-link-crc-errors>
      <hs-link-fifo-overflows>
        hs-link-fifo-overflows
      </hs-link-fifo-overflows>
      <sram-errors>
        sram-errors
      </sram-errors>
      <input-resource-errors>
        input-resource-errors
      </input-resource-errors>
    </input-error-list>
  </physical-interface>
</interface-information>

```

```
</physical-interface>
</interface-information>
```

**Description** Input errors on this interface

### <input-error-list>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <input-error-list>
    <input-errors>
      input-errors
    </input-errors>
    <input-drops>
      input-drops
    </input-drops>
    <invalid-vcs>
      invalid-vcs
    </invalid-vcs>
    <framing-errors>
      framing-errors
    </framing-errors>
    <input-runs>
      input-runs
    </input-runs>
    <input-giants>
      input-giants
    </input-giants>
    <input-bucket-drops>
      input-bucket-drops
    </input-bucket-drops>
    <input-discards>
      input-discards
    </input-discards>
    <input-l3-incompletes>
      input-l3-incompletes
    </input-l3-incompletes>
    <input-l2-channel-errors>
      input-l2-channel-errors
    </input-l2-channel-errors>
    <input-l2-mismatch-timeouts>
      input-l2-mismatch-timeouts
    </input-l2-mismatch-timeouts>
    <input-fifo-errors>
      input-fifo-errors
    </input-fifo-errors>
    <hs-link-crc-errors>
      hs-link-crc-errors
    </hs-link-crc-errors>
    <hs-link-fifo-overflows>
      hs-link-fifo-overflows
    </hs-link-fifo-overflows>
    <sram-errors>
```

```

        sram-errors
      </sram-errors>
    <input-resource-errors>
      input-resource-errors
    </input-resource-errors>
  </input-error-list>
</physical-interface>
</interface-filter-information>

```

**Description** Input errors on this interface

### <input-error-list>

#### Usage

```

<interface-policer-information>
<physical-interface>
  <input-error-list>
    <input-errors>
      input-errors
    </input-errors>
    <input-drops>
      input-drops
    </input-drops>
    <invalid-vcs>
      invalid-vcs
    </invalid-vcs>
    <framing-errors>
      framing-errors
    </framing-errors>
    <input-runs>
      input-runs
    </input-runs>
    <input-giants>
      input-giants
    </input-giants>
    <input-bucket-drops>
      input-bucket-drops
    </input-bucket-drops>
    <input-discards>
      input-discards
    </input-discards>
    <input-l3-incompletes>
      input-l3-incompletes
    </input-l3-incompletes>
    <input-l2-channel-errors>
      input-l2-channel-errors
    </input-l2-channel-errors>
    <input-l2-mismatch-timeouts>
      input-l2-mismatch-timeouts
    </input-l2-mismatch-timeouts>
    <input-fifo-errors>
      input-fifo-errors
    </input-fifo-errors>
    <hs-link-crc-errors>

```

```
    hs-link-crc-errors
  </hs-link-crc-errors>
  <hs-link-fifo-overflows>
    hs-link-fifo-overflows
  </hs-link-fifo-overflows>
  <sram-errors>
    sram-errors
  </sram-errors>
  <input-resource-errors>
    input-resource-errors
  </input-resource-errors>
</input-error-list>
</physical-interface>
</interface-policer-information>
```

**Description** Input errors on this interface

## <interface-address>

### Usage

```
<interface-address>
  <ifa-flags>....</ifa-flags>
  <generation>
    generation
  </generation>
  <ifa-destination>
    ifa-destination
  </ifa-destination>
  <ifa-local>
    ifa-local
  </ifa-local>
  <in6-addr-flags>....</in6-addr-flags>
  <ifa-broadcast>
    ifa-broadcast
  </ifa-broadcast>
  <ifa-primary-dns>
    ifa-primary-dns
  </ifa-primary-dns>
  <ifa-primary-nbns>
    ifa-primary-nbns
  </ifa-primary-nbns>
  <ifa-secondary-dns>
    ifa-secondary-dns
  </ifa-secondary-dns>
  <ifa-secondary-nbns>
    ifa-secondary-nbns
  </ifa-secondary-nbns>
  <ifa-address-pool>
    ifa-address-pool
  </ifa-address-pool>
</interface-address>
```

### Description

**<interface-address>****Usage**

```

<address-family>
  <interface-address>
    <ifa-flags>....</ifa-flags>
    <generation>
      generation
    </generation>
    <ifa-destination>
      ifa-destination
    </ifa-destination>
    <ifa-local>
      ifa-local
    </ifa-local>
    <in6-addr-flags>....</in6-addr-flags>
    <ifa-broadcast>
      ifa-broadcast
    </ifa-broadcast>
    <ifa-primary-dns>
      ifa-primary-dns
    </ifa-primary-dns>
    <ifa-primary-nbns>
      ifa-primary-nbns
    </ifa-primary-nbns>
    <ifa-secondary-dns>
      ifa-secondary-dns
    </ifa-secondary-dns>
    <ifa-secondary-nbns>
      ifa-secondary-nbns
    </ifa-secondary-nbns>
    <ifa-address-pool>
      ifa-address-pool
    </ifa-address-pool>
  </interface-address>
</address-family>

```

**Description****<interface-address>****Usage**

```

<logical-interface>
  <address-family>
    <interface-address>
      <ifa-flags>....</ifa-flags>
      <generation>
        generation
      </generation>
      <ifa-destination>
        ifa-destination
      </ifa-destination>
      <ifa-local>
        ifa-local

```

```
</ifa-local>
<in6-addr-flags>....</in6-addr-flags>
<ifa-broadcast>
  ifa-broadcast
</ifa-broadcast>
<ifa-primary-dns>
  ifa-primary-dns
</ifa-primary-dns>
<ifa-primary-nbns>
  ifa-primary-nbns
</ifa-primary-nbns>
<ifa-secondary-dns>
  ifa-secondary-dns
</ifa-secondary-dns>
<ifa-secondary-nbns>
  ifa-secondary-nbns
</ifa-secondary-nbns>
<ifa-address-pool>
  ifa-address-pool
</ifa-address-pool>
</interface-address>
</address-family>
</logical-interface>
```

## Description

### <interface-address>

#### Usage

```
<physical-interface>
<logical-interface>
<address-family>
  <interface-address>
    <ifa-flags>....</ifa-flags>
    <generation>
      generation
    </generation>
    <ifa-destination>
      ifa-destination
    </ifa-destination>
    <ifa-local>
      ifa-local
    </ifa-local>
    <in6-addr-flags>....</in6-addr-flags>
    <ifa-broadcast>
      ifa-broadcast
    </ifa-broadcast>
    <ifa-primary-dns>
      ifa-primary-dns
    </ifa-primary-dns>
    <ifa-primary-nbns>
      ifa-primary-nbns
    </ifa-primary-nbns>
    <ifa-secondary-dns>
      ifa-secondary-dns
```



```

</ifa-secondary-dns>
<ifa-secondary-nbns>
  ifa-secondary-nbns
</ifa-secondary-nbns>
<ifa-address-pool>
  ifa-address-pool
</ifa-address-pool>
</interface-address>
</address-family>
</logical-interface>
</physical-interface>

```

## Description

### <interface-address>

#### Usage

```

<interface-information>
<physical-interface>
<logical-interface>
<address-family>
  <interface-address>
    <ifa-flags>....</ifa-flags>
    <generation>
      generation
    </generation>
    <ifa-destination>
      ifa-destination
    </ifa-destination>
    <ifa-local>
      ifa-local
    </ifa-local>
    <in6-addr-flags>....</in6-addr-flags>
    <ifa-broadcast>
      ifa-broadcast
    </ifa-broadcast>
    <ifa-primary-dns>
      ifa-primary-dns
    </ifa-primary-dns>
    <ifa-primary-nbns>
      ifa-primary-nbns
    </ifa-primary-nbns>
    <ifa-secondary-dns>
      ifa-secondary-dns
    </ifa-secondary-dns>
    <ifa-secondary-nbns>
      ifa-secondary-nbns
    </ifa-secondary-nbns>
    <ifa-address-pool>
      ifa-address-pool
    </ifa-address-pool>
  </interface-address>
</address-family>
</logical-interface>
</physical-interface>

```

</interface-information>

#### Description

<interface-address>

#### Usage

```
<interface-information>
<logical-interface>
<address-family>
  <interface-address>
    <ifa-flags>....</ifa-flags>
    <generation>
      generation
    </generation>
    <ifa-destination>
      ifa-destination
    </ifa-destination>
    <ifa-local>
      ifa-local
    </ifa-local>
    <in6-addr-flags>....</in6-addr-flags>
    <ifa-broadcast>
      ifa-broadcast
    </ifa-broadcast>
    <ifa-primary-dns>
      ifa-primary-dns
    </ifa-primary-dns>
    <ifa-primary-nbns>
      ifa-primary-nbns
    </ifa-primary-nbns>
    <ifa-secondary-dns>
      ifa-secondary-dns
    </ifa-secondary-dns>
    <ifa-secondary-nbns>
      ifa-secondary-nbns
    </ifa-secondary-nbns>
    <ifa-address-pool>
      ifa-address-pool
    </ifa-address-pool>
  </interface-address>
</address-family>
</logical-interface>
</interface-information>
```

#### Description

<interface-address>

#### Usage

```
<interface-filter-information>
<physical-interface>
<logical-interface>
  <address-family>
```

```

<interface-address>
  <ifa-flags>....</ifa-flags>
  <generation>
    generation
  </generation>
  <ifa-destination>
    ifa-destination
  </ifa-destination>
  <ifa-local>
    ifa-local
  </ifa-local>
  <in6-addr-flags>....</in6-addr-flags>
  <ifa-broadcast>
    ifa-broadcast
  </ifa-broadcast>
  <ifa-primary-dns>
    ifa-primary-dns
  </ifa-primary-dns>
  <ifa-primary-nbns>
    ifa-primary-nbns
  </ifa-primary-nbns>
  <ifa-secondary-dns>
    ifa-secondary-dns
  </ifa-secondary-dns>
  <ifa-secondary-nbns>
    ifa-secondary-nbns
  </ifa-secondary-nbns>
  <ifa-address-pool>
    ifa-address-pool
  </ifa-address-pool>
</interface-address>
</address-family>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

## Description

### <interface-address>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <address-family>
      <interface-address>
        <ifa-flags>....</ifa-flags>
        <generation>
          generation
        </generation>
        <ifa-destination>
          ifa-destination
        </ifa-destination>
        <ifa-local>
          ifa-local
        </ifa-local>
      </interface-address>
    </address-family>
  </logical-interface>
</interface-filter-information>

```

```
<in6-addr-flags>....</in6-addr-flags>
<ifa-broadcast>
  ifa-broadcast
</ifa-broadcast>
<ifa-primary-dns>
  ifa-primary-dns
</ifa-primary-dns>
<ifa-primary-nbns>
  ifa-primary-nbns
</ifa-primary-nbns>
<ifa-secondary-dns>
  ifa-secondary-dns
</ifa-secondary-dns>
<ifa-secondary-nbns>
  ifa-secondary-nbns
</ifa-secondary-nbns>
<ifa-address-pool>
  ifa-address-pool
</ifa-address-pool>
</interface-address>
</address-family>
</logical-interface>
</interface-filter-information>
```

## Description

### <interface-address>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
<address-family>
  <interface-address>
    <ifa-flags>....</ifa-flags>
    <generation>
      generation
    </generation>
    <ifa-destination>
      ifa-destination
    </ifa-destination>
    <ifa-local>
      ifa-local
    </ifa-local>
    <in6-addr-flags>....</in6-addr-flags>
    <ifa-broadcast>
      ifa-broadcast
    </ifa-broadcast>
    <ifa-primary-dns>
      ifa-primary-dns
    </ifa-primary-dns>
    <ifa-primary-nbns>
      ifa-primary-nbns
    </ifa-primary-nbns>
    <ifa-secondary-dns>
```

```

        ifa-secondary-dns
      </ifa-secondary-dns>
    <ifa-secondary-nbns>
      ifa-secondary-nbns
    </ifa-secondary-nbns>
    <ifa-address-pool>
      ifa-address-pool
    </ifa-address-pool>
  </interface-address>
</address-family>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

## Description

### <interface-address>

#### Usage

```

<interface-policer-information>
<logical-interface>
  <address-family>
    <interface-address>
      <ifa-flags>....</ifa-flags>
      <generation>
        generation
      </generation>
      <ifa-destination>
        ifa-destination
      </ifa-destination>
      <ifa-local>
        ifa-local
      </ifa-local>
      <in6-addr-flags>....</in6-addr-flags>
      <ifa-broadcast>
        ifa-broadcast
      </ifa-broadcast>
      <ifa-primary-dns>
        ifa-primary-dns
      </ifa-primary-dns>
      <ifa-primary-nbns>
        ifa-primary-nbns
      </ifa-primary-nbns>
      <ifa-secondary-dns>
        ifa-secondary-dns
      </ifa-secondary-dns>
      <ifa-secondary-nbns>
        ifa-secondary-nbns
      </ifa-secondary-nbns>
      <ifa-address-pool>
        ifa-address-pool
      </ifa-address-pool>
    </interface-address>
  </address-family>
</logical-interface>

```

</interface-policer-information>

## Description

### <interface-alarms>

#### Usage

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  </sonet-alarm-lais>
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    sonet-alarm-prdi
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  <sonet-alarm-uneq>
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  </sonet-alarm-uneq>
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</dsl-alarm-lof>
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</dsl-alarm-los>
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</dsl-alarm-crc-minor>
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</dsl-alarm-lof>
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</dsl-alarm-far-los>
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<dsl-alarm-far-locdni>
  dsl-alarm-far-locdni
</dsl-alarm-far-locdni>
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</fibrenchannel-alarm-link-down>
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<shdsl-alarm-line1-losw>
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</otn-alarm-los>
<otn-alarm-lof>
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</otn-alarm-lof>
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  </otn-alarm-otu-sf>
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    otn-alarm-otu-fec-excessive
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    otn-alarm-otu-fec-degraded
  </otn-alarm-otu-fec-degraded>
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  </otn-alarm-otu-threshold-bbe>
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    otn-alarm-otu-threshold-es
  </otn-alarm-otu-threshold-es>
  <otn-alarm-otu-threshold-ses>
    otn-alarm-otu-threshold-ses
  </otn-alarm-otu-threshold-ses>
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    otn-alarm-otu-threshold-uas
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  </otn-alarm-odu-threshold-bbe>
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  <otn-alarm-odu-threshold-ses>
    otn-alarm-odu-threshold-ses
  </otn-alarm-odu-threshold-ses>
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</ima-alarm-startup-fe>
<ima-alarm-config-abort>
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<ima-alarm-config-abort-fe>
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</ima-alarm-config-abort-fe>
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</ima-alarm-insufficient-links-fe>
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</ima-alarm-blocked-fe>
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</ima-alarm-tx-misconnected>
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<ima-alarm-rx-unusable-fe>
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</ima-alarm-rx-unusable-fe>
<generic-value>
  generic-value
```

```

</generic-value>
</interface-alarms>

```

**Description** Container tag for interface alarms

## <interface-alarms>

### Usage

```

<physical-interface>
<active-alarms>
  <interface-alarms>
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    </alarm-not-present>
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    </sonet-alarm-lol>
    <sonet-alarm-pll>
      sonet-alarm-pll
    </sonet-alarm-pll>
    <sonet-alarm-lof>
      sonet-alarm-lof
    </sonet-alarm-lof>
    <sonet-alarm-los>
      sonet-alarm-los
    </sonet-alarm-los>
    <sonet-alarm-sef>
      sonet-alarm-sef
    </sonet-alarm-sef>
    <sonet-alarm-lais>
      sonet-alarm-lais
    </sonet-alarm-lais>
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    </sonet-alarm-pais>
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      sonet-alarm-lop
    </sonet-alarm-lop>
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      sonet-alarm-berr-sd
    </sonet-alarm-berr-sd>
    <sonet-alarm-berr-sf>
      sonet-alarm-berr-sf
    </sonet-alarm-berr-sf>
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      sonet-alarm-lrldi
    </sonet-alarm-lrldi>
    <sonet-alarm-prdi>
      sonet-alarm-prdi
    </sonet-alarm-prdi>
    <sonet-alarm-rei>
      sonet-alarm-rei
    </sonet-alarm-rei>
    <sonet-alarm-uneq>

```

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  </sonet-alarm-pmis>
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    sonet-alarm-loc
  </sonet-alarm-loc>
  <sonet-alarm-vais>
    sonet-alarm-vais
  </sonet-alarm-vais>
  <sonet-alarm-vlop>
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  </sonet-alarm-vlop>
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    sdh-alarm-lol
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  </sdh-alarm-lof>
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    sdh-alarm-los
  </sdh-alarm-los>
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  </sdh-alarm-hpais>
  <sdh-alarm-lop>
    sdh-alarm-lop
  </sdh-alarm-lop>
  <sdh-alarm-berr-sd>
    sdh-alarm-berr-sd
  </sdh-alarm-berr-sd>
  <sdh-alarm-berr-sf>
    sdh-alarm-berr-sf
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  </ethernet-alarm-link-down>
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  </ethernet-alarm-lcdp>
  <isdn-alarm-los>
    isdn-alarm-los
  </isdn-alarm-los>
  <isdn-alarm-lof>
    isdn-alarm-lof
  </isdn-alarm-lof>
  <shdsl-alarm-losd>
    shdsl-alarm-losd
  </shdsl-alarm-losd>
  <shdsl-alarm-losw>
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  </shdsl-alarm-losw>
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    shdsl-alarm-line1-losd
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    shdsl-alarm-line1-losw
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    shdsl-alarm-line2-losd
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  <shdsl-alarm-line2-losw>
    shdsl-alarm-line2-losw
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  </otn-alarm-lof>
  <otn-alarm-lom>
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  </otn-alarm-otu-ais>
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  </otn-alarm-otu-bdi>
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  <otn-alarm-otu-iae>
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  </otn-alarm-otu-iae>
```

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</otn-alarm-otu-threshold-ses>
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  otn-alarm-odu-threshold-es
</otn-alarm-odu-threshold-es>
<otn-alarm-odu-threshold-ses>
  otn-alarm-odu-threshold-ses
```

```
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<otn-alarm-odu-threshold-uas>
  otn-alarm-odu-threshold-uas
</otn-alarm-odu-threshold-uas>
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</otn-alarm-opu-pmi>
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</ima-alarm-startup-fe>
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  ima-alarm-config-abort
</ima-alarm-config-abort>
<ima-alarm-config-abort-fe>
  ima-alarm-config-abort-fe
</ima-alarm-config-abort-fe>
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</ima-alarm-lif>
<ima-alarm-lods>
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</ima-alarm-lods>
<ima-alarm-rdi>
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</ima-alarm-rdi>
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</ima-alarm-tx-misconnected>
<ima-alarm-rx-misconnected>
  ima-alarm-rx-misconnected
</ima-alarm-rx-misconnected>
<ima-alarm-fault>
  ima-alarm-fault
</ima-alarm-fault>
<ima-alarm-tx-unusable-fe>
  ima-alarm-tx-unusable-fe
</ima-alarm-tx-unusable-fe>
<ima-alarm-rx-unusable-fe>
```

```
    ima-alarm-rx-unusable-fe
  </ima-alarm-rx-unusable-fe>
  <generic-value>
    generic-value
  </generic-value>
</interface-alarms>
</active-alarms>
</physical-interface>
```

**Description** Container tag for interface alarms

## <interface-alarms>

### Usage

```
<physical-interface>
  <active-defects>
    <interface-alarms>
      <alarm-not-present>
        alarm-not-present
      </alarm-not-present>
      <sonet-alarm-lol>
        sonet-alarm-lol
      </sonet-alarm-lol>
      <sonet-alarm-pll>
        sonet-alarm-pll
      </sonet-alarm-pll>
      <sonet-alarm-lof>
        sonet-alarm-lof
      </sonet-alarm-lof>
      <sonet-alarm-los>
        sonet-alarm-los
      </sonet-alarm-los>
      <sonet-alarm-sef>
        sonet-alarm-sef
      </sonet-alarm-sef>
      <sonet-alarm-lais>
        sonet-alarm-lais
      </sonet-alarm-lais>
      <sonet-alarm-pais>
        sonet-alarm-pais
      </sonet-alarm-pais>
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        sonet-alarm-lop
      </sonet-alarm-lop>
      <sonet-alarm-berr-sd>
        sonet-alarm-berr-sd
      </sonet-alarm-berr-sd>
      <sonet-alarm-berr-sf>
        sonet-alarm-berr-sf
      </sonet-alarm-berr-sf>
      <sonet-alarm-lrldi>
        sonet-alarm-lrldi
      </sonet-alarm-lrldi>
      <sonet-alarm-prdi>
```

```
    sonet-alarm-prdi
  </sonet-alarm-prdi>
  <sonet-alarm-rei>
    sonet-alarm-rei
  </sonet-alarm-rei>
  <sonet-alarm-uneq>
    sonet-alarm-uneq
  </sonet-alarm-uneq>
  <sonet-alarm-pmis>
    sonet-alarm-pmis
  </sonet-alarm-pmis>
  <sonet-alarm-loc>
    sonet-alarm-loc
  </sonet-alarm-loc>
  <sonet-alarm-vais>
    sonet-alarm-vais
  </sonet-alarm-vais>
  <sonet-alarm-vlop>
    sonet-alarm-vlop
  </sonet-alarm-vlop>
  <sonet-alarm-vrdi>
    sonet-alarm-vrdi
  </sonet-alarm-vrdi>
  <sonet-alarm-vuneq>
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  </sonet-alarm-vuneq>
  <sonet-alarm-vmis>
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  </sonet-alarm-vmis>
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    sdh-alarm-lol
  </sdh-alarm-lol>
  <sdh-alarm-pll>
    sdh-alarm-pll
  </sdh-alarm-pll>
  <sdh-alarm-lof>
    sdh-alarm-lof
  </sdh-alarm-lof>
  <sdh-alarm-los>
    sdh-alarm-los
  </sdh-alarm-los>
  <sdh-alarm-oof>
    sdh-alarm-oof
  </sdh-alarm-oof>
  <sdh-alarm-msais>
    sdh-alarm-msais
  </sdh-alarm-msais>
  <sdh-alarm-hpais>
    sdh-alarm-hpais
  </sdh-alarm-hpais>
  <sdh-alarm-lop>
    sdh-alarm-lop
  </sdh-alarm-lop>
```

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</ds3-alarm-ais>
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</ds3-alarm-lof>
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</ds3-alarm-los>
<ds3-alarm-lcv>
  ds3-alarm-lcv
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</ds3-alarm-ferf>
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</ds1-alarm-lof>
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<ds1-alarm-crc-minor>
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</ds1-alarm-crc-minor>
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</dsl-alarm-lof>
<dsl-alarm-los>
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</dsl-alarm-los>
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</dsl-alarm-locdni>
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</dsl-alarm-far-lof>
<dsl-alarm-far-los>
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</dsl-alarm-far-los>
<dsl-alarm-far-locdi>
```

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    dsl-alarm-far-locdni
  </dsl-alarm-far-locdni>
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  </ethernet-alarm-lcdp>
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  </shdsl-alarm-losd>
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  </shdsl-alarm-losw>
  <shdsl-alarm-line1-losd>
    shdsl-alarm-line1-losd
  </shdsl-alarm-line1-losd>
  <shdsl-alarm-line1-losw>
    shdsl-alarm-line1-losw
  </shdsl-alarm-line1-losw>
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    shdsl-alarm-line2-losd
  </shdsl-alarm-line2-losd>
  <shdsl-alarm-line2-losw>
    shdsl-alarm-line2-losw
  </shdsl-alarm-line2-losw>
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    otn-alarm-los
  </otn-alarm-los>
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  </otn-alarm-lof>
  <otn-alarm-lom>
    otn-alarm-lom
  </otn-alarm-lom>
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  </otn-alarm-wavelength-lock>
  <otn-alarm-otu-ais>
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  </otn-alarm-otu-ais>
  <otn-alarm-otu-bdi>
    otn-alarm-otu-bdi
  </otn-alarm-otu-bdi>
```



```
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  otn-alarm-otu-fec-excessive
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  otn-alarm-otu-fec-degraded
</otn-alarm-otu-fec-degraded>
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</otn-alarm-otu-threshold-bbe>
<otn-alarm-otu-threshold-es>
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</otn-alarm-otu-threshold-es>
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</otn-alarm-otu-threshold-ses>
<otn-alarm-otu-threshold-uas>
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</otn-alarm-otu-threshold-uas>
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<otn-alarm-odu-rx-aps-change>
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</otn-alarm-odu-rx-aps-change>
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  otn-alarm-odu-threshold-bbe
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</otn-alarm-odu-threshold-es>
<otn-alarm-odu-threshold-ses>
  otn-alarm-odu-threshold-ses
</otn-alarm-odu-threshold-ses>
<otn-alarm-odu-threshold-uas>
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</otn-alarm-odu-threshold-uas>
<otn-alarm-opu-pmi>
  otn-alarm-opu-pmi
</otn-alarm-opu-pmi>
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</ima-alarm-startup-fe>
<ima-alarm-config-abort>
  ima-alarm-config-abort
</ima-alarm-config-abort>
<ima-alarm-config-abort-fe>
  ima-alarm-config-abort-fe
</ima-alarm-config-abort-fe>
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</ima-alarm-insufficient-links>
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</ima-alarm-blocked>
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</ima-alarm-version-mismatch>
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</ima-alarm-lif>
<ima-alarm-lods>
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</ima-alarm-lods>
<ima-alarm-rdi>
  ima-alarm-rdi
</ima-alarm-rdi>
<ima-alarm-tx-misconnected>
  ima-alarm-tx-misconnected
</ima-alarm-tx-misconnected>
<ima-alarm-rx-misconnected>
  ima-alarm-rx-misconnected
</ima-alarm-rx-misconnected>
<ima-alarm-fault>
```

```

    ima-alarm-fault
  </ima-alarm-fault>
  <ima-alarm-tx-unusable-fe>
    ima-alarm-tx-unusable-fe
  </ima-alarm-tx-unusable-fe>
  <ima-alarm-rx-unusable-fe>
    ima-alarm-rx-unusable-fe
  </ima-alarm-rx-unusable-fe>
  <generic-value>
    generic-value
  </generic-value>
</interface-alarms>
</active-defects>
</physical-interface>

```

**Description** Container tag for interface alarms

## <interface-alarms>

### Usage

```

<physical-interface>
  <active-alarms-otn>
    <interface-alarms>
      <alarm-not-present>
        alarm-not-present
      </alarm-not-present>
      <sonet-alarm-lol>
        sonet-alarm-lol
      </sonet-alarm-lol>
      <sonet-alarm-pll>
        sonet-alarm-pll
      </sonet-alarm-pll>
      <sonet-alarm-lof>
        sonet-alarm-lof
      </sonet-alarm-lof>
      <sonet-alarm-los>
        sonet-alarm-los
      </sonet-alarm-los>
      <sonet-alarm-sef>
        sonet-alarm-sef
      </sonet-alarm-sef>
      <sonet-alarm-lais>
        sonet-alarm-lais
      </sonet-alarm-lais>
      <sonet-alarm-pais>
        sonet-alarm-pais
      </sonet-alarm-pais>
      <sonet-alarm-lop>
        sonet-alarm-lop
      </sonet-alarm-lop>
      <sonet-alarm-berr-sd>
        sonet-alarm-berr-sd
      </sonet-alarm-berr-sd>
      <sonet-alarm-berr-sf>

```

```
    sonet-alarm-berr-sf
  </sonet-alarm-berr-sf>
  <sonet-alarm-lrdi>
    sonet-alarm-lrdi
  </sonet-alarm-lrdi>
  <sonet-alarm-prdi>
    sonet-alarm-prdi
  </sonet-alarm-prdi>
  <sonet-alarm-rei>
    sonet-alarm-rei
  </sonet-alarm-rei>
  <sonet-alarm-uneq>
    sonet-alarm-uneq
  </sonet-alarm-uneq>
  <sonet-alarm-pmis>
    sonet-alarm-pmis
  </sonet-alarm-pmis>
  <sonet-alarm-loc>
    sonet-alarm-loc
  </sonet-alarm-loc>
  <sonet-alarm-vais>
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  </sonet-alarm-vrdi>
  <sonet-alarm-vuneq>
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    sdh-alarm-lol
  </sdh-alarm-lol>
  <sdh-alarm-pll>
    sdh-alarm-pll
  </sdh-alarm-pll>
  <sdh-alarm-lof>
    sdh-alarm-lof
  </sdh-alarm-lof>
  <sdh-alarm-los>
    sdh-alarm-los
  </sdh-alarm-los>
  <sdh-alarm-oof>
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</physical-interface>
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**Description** Container tag for interface alarms

## <interface-alarms>

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  otn-alarm-odu-threshold-es
</otn-alarm-odu-threshold-es>
<otn-alarm-odu-threshold-ses>
  otn-alarm-odu-threshold-ses
</otn-alarm-odu-threshold-ses>
<otn-alarm-odu-threshold-uas>
  otn-alarm-odu-threshold-uas
</otn-alarm-odu-threshold-uas>
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</ima-alarm-startup-fe>
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</ima-alarm-config-abort>
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</ima-alarm-config-abort-fe>
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</ima-alarm-timing-mismatch>
<ima-alarm-version-mismatch>
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</ima-alarm-version-mismatch>
<ima-alarm-lif>
  ima-alarm-lif
</ima-alarm-lif>
<ima-alarm-lods>
```



```

    ima-alarm-lods
  </ima-alarm-lods>
  <ima-alarm-rdi>
    ima-alarm-rdi
  </ima-alarm-rdi>
  <ima-alarm-tx-misconnected>
    ima-alarm-tx-misconnected
  </ima-alarm-tx-misconnected>
  <ima-alarm-rx-misconnected>
    ima-alarm-rx-misconnected
  </ima-alarm-rx-misconnected>
  <ima-alarm-fault>
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  </ima-alarm-fault>
  <ima-alarm-tx-unusable-fe>
    ima-alarm-tx-unusable-fe
  </ima-alarm-tx-unusable-fe>
  <ima-alarm-rx-unusable-fe>
    ima-alarm-rx-unusable-fe
  </ima-alarm-rx-unusable-fe>
  <generic-value>
    generic-value
  </generic-value>
</interface-alarms>
</active-defects-otn>
</physical-interface>

```

**Description** Container tag for interface alarms

## <interface-alarms>

### Usage

```

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  <links>
    <link-entry>
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        <interface-alarms>
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            alarm-not-present
          </alarm-not-present>
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            sonet-alarm-lol
          </sonet-alarm-lol>
          <sonet-alarm-pll>
            sonet-alarm-pll
          </sonet-alarm-pll>
          <sonet-alarm-lof>
            sonet-alarm-lof
          </sonet-alarm-lof>
          <sonet-alarm-los>
            sonet-alarm-los
          </sonet-alarm-los>
          <sonet-alarm-sef>
            sonet-alarm-sef

```

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<sonet-alarm-pais>
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</sonet-alarm-pais>
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  sonet-alarm-berr-sd
</sonet-alarm-berr-sd>
<sonet-alarm-berr-sf>
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</sonet-alarm-pmis>
<sonet-alarm-loc>
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</sonet-alarm-vais>
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</sonet-alarm-vlop>
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</sonet-alarm-vuneq>
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</sdh-alarm-lol>
<sdh-alarm-pll>
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</sdh-alarm-lof>
<sdh-alarm-los>
  sdh-alarm-los
</sdh-alarm-los>
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</sdh-alarm-oof>
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<sdh-alarm-hpais>
  sdh-alarm-hpais
</sdh-alarm-hpais>
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</sdh-alarm-berr-sf>
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<sdh-alarm-hpferf>
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</sdh-alarm-tuais>
<sdh-alarm-tulop>
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</sdh-alarm-tulop>
<sdh-alarm-turdi>
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<sdh-alarm-tuuneq>
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</sdh-alarm-tuuneq>
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</ds3-alarm-pll>
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</ds1-alarm-ais>
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<ds1-alarm-crc-minor>
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</ds1-alarm-crc-minor>
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</dsl-alarm-lof>
<dsl-alarm-los>
  dsl-alarm-los
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</dsl-alarm-locdi>
<dsl-alarm-locdni>
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</dsl-alarm-locdni>
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<dsl-alarm-far-lof>
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</dsl-alarm-far-lof>
<dsl-alarm-far-los>
  dsl-alarm-far-los
</dsl-alarm-far-los>
<dsl-alarm-far-locdi>
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<dsl-alarm-far-locdni>
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</dsl-alarm-far-locdni>
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</isdn-alarm-lof>
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</shdsl-alarm-losd>
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</shdsl-alarm-losw>
<shdsl-alarm-line1-losd>
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</shdsl-alarm-line1-losd>
<shdsl-alarm-line1-losw>
  shdsl-alarm-line1-losw
</shdsl-alarm-line1-losw>
<shdsl-alarm-line2-losd>
  shdsl-alarm-line2-losd
</shdsl-alarm-line2-losd>
<shdsl-alarm-line2-losw>
```

```
    shdsl-alarm-line2-losw
  </shdsl-alarm-line2-losw>
  <otn-alarm-los>
    otn-alarm-los
  </otn-alarm-los>
  <otn-alarm-lof>
    otn-alarm-lof
  </otn-alarm-lof>
  <otn-alarm-lom>
    otn-alarm-lom
  </otn-alarm-lom>
  <otn-alarm-wavelength-lock>
    otn-alarm-wavelength-lock
  </otn-alarm-wavelength-lock>
  <otn-alarm-otu-ais>
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  </otn-alarm-otu-ais>
  <otn-alarm-otu-bdi>
    otn-alarm-otu-bdi
  </otn-alarm-otu-bdi>
  <otn-alarm-otu-ttim>
    otn-alarm-otu-ttim
  </otn-alarm-otu-ttim>
  <otn-alarm-otu-iae>
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  </otn-alarm-otu-iae>
  <otn-alarm-otu-sd>
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  </otn-alarm-otu-sd>
  <otn-alarm-otu-sf>
    otn-alarm-otu-sf
  </otn-alarm-otu-sf>
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    otn-alarm-otu-fec-excessive
  </otn-alarm-otu-fec-excessive>
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    otn-alarm-otu-fec-degraded
  </otn-alarm-otu-fec-degraded>
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    otn-alarm-otu-threshold-bbe
  </otn-alarm-otu-threshold-bbe>
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    otn-alarm-otu-threshold-es
  </otn-alarm-otu-threshold-es>
  <otn-alarm-otu-threshold-ses>
    otn-alarm-otu-threshold-ses
  </otn-alarm-otu-threshold-ses>
  <otn-alarm-otu-threshold-uas>
    otn-alarm-otu-threshold-uas
  </otn-alarm-otu-threshold-uas>
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  </otn-alarm-odu-ais>
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  </otn-alarm-odu-oci>
```

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  otn-alarm-odu-rx-aps-change
</otn-alarm-odu-rx-aps-change>
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  otn-alarm-odu-threshold-bbe
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</otn-alarm-odu-threshold-es>
<otn-alarm-odu-threshold-ses>
  otn-alarm-odu-threshold-ses
</otn-alarm-odu-threshold-ses>
<otn-alarm-odu-threshold-uas>
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</otn-alarm-odu-threshold-uas>
<otn-alarm-opu-pmi>
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</otn-alarm-opu-pmi>
<ima-alarm-startup-fe>
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</ima-alarm-startup-fe>
<ima-alarm-config-abort>
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</ima-alarm-config-abort>
<ima-alarm-config-abort-fe>
  ima-alarm-config-abort-fe
</ima-alarm-config-abort-fe>
<ima-alarm-insufficient-links>
  ima-alarm-insufficient-links
</ima-alarm-insufficient-links>
<ima-alarm-insufficient-links-fe>
  ima-alarm-insufficient-links-fe
</ima-alarm-insufficient-links-fe>
<ima-alarm-blocked>
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</ima-alarm-blocked>
<ima-alarm-blocked-fe>
  ima-alarm-blocked-fe
</ima-alarm-blocked-fe>
<ima-alarm-timing-mismatch>
  ima-alarm-timing-mismatch
```

```
</ima-alarm-timing-mismatch>
<ima-alarm-version-mismatch>
  ima-alarm-version-mismatch
</ima-alarm-version-mismatch>
<ima-alarm-lif>
  ima-alarm-lif
</ima-alarm-lif>
<ima-alarm-lods>
  ima-alarm-lods
</ima-alarm-lods>
<ima-alarm-rdi>
  ima-alarm-rdi
</ima-alarm-rdi>
<ima-alarm-tx-misconnected>
  ima-alarm-tx-misconnected
</ima-alarm-tx-misconnected>
<ima-alarm-rx-misconnected>
  ima-alarm-rx-misconnected
</ima-alarm-rx-misconnected>
<ima-alarm-fault>
  ima-alarm-fault
</ima-alarm-fault>
<ima-alarm-tx-unusable-fe>
  ima-alarm-tx-unusable-fe
</ima-alarm-tx-unusable-fe>
<ima-alarm-rx-unusable-fe>
  ima-alarm-rx-unusable-fe
</ima-alarm-rx-unusable-fe>
<generic-value>
  generic-value
</generic-value>
</interface-alarms>
</active-alarms>
</link-entry>
</links>
</physical-interface>
```

**Description** Container tag for interface alarms

## <interface-alarms>

### Usage

```
<physical-interface>
<links>
  <link-entry>
    <active-defects>
      <interface-alarms>
        <alarm-not-present>
          alarm-not-present
        </alarm-not-present>
        <sonet-alarm-lol>
          sonet-alarm-lol
        </sonet-alarm-lol>
        <sonet-alarm-pll>
```



```
    sonet-alarm-pll
  </sonet-alarm-pll>
  <sonet-alarm-lof>
    sonet-alarm-lof
  </sonet-alarm-lof>
  <sonet-alarm-los>
    sonet-alarm-los
  </sonet-alarm-los>
  <sonet-alarm-sef>
    sonet-alarm-sef
  </sonet-alarm-sef>
  <sonet-alarm-lais>
    sonet-alarm-lais
  </sonet-alarm-lais>
  <sonet-alarm-pais>
    sonet-alarm-pais
  </sonet-alarm-pais>
  <sonet-alarm-lop>
    sonet-alarm-lop
  </sonet-alarm-lop>
  <sonet-alarm-berr-sd>
    sonet-alarm-berr-sd
  </sonet-alarm-berr-sd>
  <sonet-alarm-berr-sf>
    sonet-alarm-berr-sf
  </sonet-alarm-berr-sf>
  <sonet-alarm-lrdi>
    sonet-alarm-lrdi
  </sonet-alarm-lrdi>
  <sonet-alarm-prdi>
    sonet-alarm-prdi
  </sonet-alarm-prdi>
  <sonet-alarm-rei>
    sonet-alarm-rei
  </sonet-alarm-rei>
  <sonet-alarm-uneq>
    sonet-alarm-uneq
  </sonet-alarm-uneq>
  <sonet-alarm-pmis>
    sonet-alarm-pmis
  </sonet-alarm-pmis>
  <sonet-alarm-loc>
    sonet-alarm-loc
  </sonet-alarm-loc>
  <sonet-alarm-vais>
    sonet-alarm-vais
  </sonet-alarm-vais>
  <sonet-alarm-vlop>
    sonet-alarm-vlop
  </sonet-alarm-vlop>
  <sonet-alarm-vrdi>
    sonet-alarm-vrdi
  </sonet-alarm-vrdi>
  <sonet-alarm-vuneq>
    sonet-alarm-vuneq
  </sonet-alarm-vuneq>
```

```
<sonet-alarm-vmis>
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</sonet-alarm-vmis>
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</sonet-alarm-vloc>
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</sdh-alarm-lol>
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</sdh-alarm-lof>
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</sdh-alarm-los>
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</sdh-alarm-oof>
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</sdh-alarm-msais>
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</sdh-alarm-hpais>
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<sdh-alarm-berr-sf>
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</sdh-alarm-berr-sf>
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</sdh-alarm-hpuneq>
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  sdh-alarm-hpplm
</sdh-alarm-hpplm>
<sdh-alarm-loc>
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</sdh-alarm-loc>
<sdh-alarm-tuais>
  sdh-alarm-tuais
```

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</sdh-alarm-tuais>
<sdh-alarm-tulop>
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</sdh-alarm-tulop>
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</sdh-alarm-turdi>
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</ds3-alarm-exz>
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</ds1-alarm-ais>
<ds1-alarm-lof>
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  </dsl-alarm-locdni>
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</otn-alarm-odu-threshold-uas>
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</ima-alarm-config-abort-fe>
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</ima-alarm-insufficient-links>
<ima-alarm-insufficient-links-fe>
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```

    ima-alarm-insufficient-links-fe
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  </ima-alarm-tx-unusable-fe>
  <ima-alarm-rx-unusable-fe>
    ima-alarm-rx-unusable-fe
  </ima-alarm-rx-unusable-fe>
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</interface-alarms>
</active-defects>
</link-entry>
</links>
</physical-interface>

```

**Description** Container tag for interface alarms

## <interface-alarms>

### Usage

```

<interface-information>
  <physical-interface>

```

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      sonet-alarm-lof
    </sonet-alarm-lof>
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      sonet-alarm-los
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    </sonet-alarm-sef>
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    </sonet-alarm-lais>
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      sonet-alarm-loc
    </sonet-alarm-loc>
    <sonet-alarm-vais>
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    </sonet-alarm-vais>
```



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  </dsl-alarm-locdni>
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</otn-alarm-odu-threshold-uas>
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</otn-alarm-opu-pmi>
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  ima-alarm-startup-fe
</ima-alarm-startup-fe>
<ima-alarm-config-abort>
```

```
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  </ima-alarm-config-abort>
  <ima-alarm-config-abort-fe>
    ima-alarm-config-abort-fe
  </ima-alarm-config-abort-fe>
  <ima-alarm-insufficient-links>
    ima-alarm-insufficient-links
  </ima-alarm-insufficient-links>
  <ima-alarm-insufficient-links-fe>
    ima-alarm-insufficient-links-fe
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  </ima-alarm-blocked>
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  </ima-alarm-tx-unusable-fe>
  <ima-alarm-rx-unusable-fe>
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  </generic-value>
</interface-alarms>
</active-alarms>
</physical-interface>
</interface-information>
```

**Description** Container tag for interface alarms

## <interface-alarms>

### Usage

```

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**Description**    Container tag for interface alarms

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### Usage

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</otn-alarm-otu-bdi>
<otn-alarm-otu-ttim>
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    otn-alarm-otu-threshold-uas
  </otn-alarm-otu-threshold-uas>
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    otn-alarm-odu-rx-aps-change
  </otn-alarm-odu-rx-aps-change>
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    otn-alarm-odu-threshold-bbe
  </otn-alarm-odu-threshold-bbe>
```

```
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</otn-alarm-odu-threshold-es>
<otn-alarm-odu-threshold-ses>
  otn-alarm-odu-threshold-ses
</otn-alarm-odu-threshold-ses>
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  otn-alarm-odu-threshold-uas
</otn-alarm-odu-threshold-uas>
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  otn-alarm-opu-pmi
</otn-alarm-opu-pmi>
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  ima-alarm-startup-fe
</ima-alarm-startup-fe>
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</ima-alarm-config-abort>
<ima-alarm-config-abort-fe>
  ima-alarm-config-abort-fe
</ima-alarm-config-abort-fe>
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</ima-alarm-lods>
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</ima-alarm-rdi>
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</ima-alarm-tx-misconnected>
<ima-alarm-rx-misconnected>
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</ima-alarm-rx-misconnected>
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```

```

</ima-alarm-fault>
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</ima-alarm-tx-unusable-fe>
<ima-alarm-rx-unusable-fe>
  ima-alarm-rx-unusable-fe
</ima-alarm-rx-unusable-fe>
<generic-value>
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</generic-value>
</interface-alarms>
</active-alarms-otn>
</physical-interface>
</interface-information>

```

**Description** Container tag for interface alarms

## <interface-alarms>

### Usage

```

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  </alarm-not-present>
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    sonet-alarm-pll
  </sonet-alarm-pll>
  <sonet-alarm-lof>
    sonet-alarm-lof
  </sonet-alarm-lof>
  <sonet-alarm-los>
    sonet-alarm-los
  </sonet-alarm-los>
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    sonet-alarm-sef
  </sonet-alarm-sef>
  <sonet-alarm-lais>
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  </sonet-alarm-lais>
  <sonet-alarm-pais>
    sonet-alarm-pais
  </sonet-alarm-pais>
  <sonet-alarm-lop>
    sonet-alarm-lop
  </sonet-alarm-lop>
  <sonet-alarm-berr-sd>
    sonet-alarm-berr-sd
  </sonet-alarm-berr-sd>

```

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  sonet-alarm-prdi
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</sonet-alarm-vais>
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</sonet-alarm-vlop>
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</sonet-alarm-vrdi>
<sonet-alarm-vuneq>
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</sdh-alarm-pll>
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</sdh-alarm-lof>
<sdh-alarm-los>
  sdh-alarm-los
</sdh-alarm-los>
<sdh-alarm-oof>
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</sdh-alarm-oof>
<sdh-alarm-msais>
  sdh-alarm-msais
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</ds3-alarm-ais>
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  </ds3-alarm-los>
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  </ds3-alarm-lcv>
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  </ds1-alarm-ais>
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  </ds1-alarm-lof>
  <ds1-alarm-los>
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  </ds1-alarm-crc-major>
  <ds1-alarm-crc-minor>
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  </dsl-alarm-lof>
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  </dsl-alarm-lom>
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  </dsl-alarm-locdi>
  <dsl-alarm-locdni>
    dsl-alarm-locdni
  </dsl-alarm-locdni>
  <dsl-alarm-lop>
    dsl-alarm-lop
  </dsl-alarm-lop>
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</dsl-alarm-far-los>
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</dsl-alarm-far-locdi>
<dsl-alarm-far-locdni>
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</dsl-alarm-far-locdni>
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<otn-alarm-wavelength-lock>
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```

```
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```

```
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    otn-alarm-odu-rx-aps-change
  </otn-alarm-odu-rx-aps-change>
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    otn-alarm-odu-threshold-bbe
  </otn-alarm-odu-threshold-bbe>
  <otn-alarm-odu-threshold-es>
    otn-alarm-odu-threshold-es
  </otn-alarm-odu-threshold-es>
  <otn-alarm-odu-threshold-ses>
    otn-alarm-odu-threshold-ses
  </otn-alarm-odu-threshold-ses>
  <otn-alarm-odu-threshold-uas>
    otn-alarm-odu-threshold-uas
  </otn-alarm-odu-threshold-uas>
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    otn-alarm-opu-pmi
  </otn-alarm-opu-pmi>
  <ima-alarm-startup-fe>
    ima-alarm-startup-fe
  </ima-alarm-startup-fe>
  <ima-alarm-config-abort>
    ima-alarm-config-abort
  </ima-alarm-config-abort>
  <ima-alarm-config-abort-fe>
    ima-alarm-config-abort-fe
  </ima-alarm-config-abort-fe>
  <ima-alarm-insufficient-links>
    ima-alarm-insufficient-links
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  <ima-alarm-insufficient-links-fe>
    ima-alarm-insufficient-links-fe
  </ima-alarm-insufficient-links-fe>
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  </ima-alarm-blocked>
  <ima-alarm-blocked-fe>
    ima-alarm-blocked-fe
  </ima-alarm-blocked-fe>
  <ima-alarm-timing-mismatch>
    ima-alarm-timing-mismatch
  </ima-alarm-timing-mismatch>
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  </ima-alarm-version-mismatch>
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    ima-alarm-lif
  </ima-alarm-lif>
  <ima-alarm-lods>
    ima-alarm-lods
  </ima-alarm-lods>
  <ima-alarm-rdi>
    ima-alarm-rdi
  </ima-alarm-rdi>
```

```
<ima-alarm-tx-misconnected>
  ima-alarm-tx-misconnected
</ima-alarm-tx-misconnected>
<ima-alarm-rx-misconnected>
  ima-alarm-rx-misconnected
</ima-alarm-rx-misconnected>
<ima-alarm-fault>
  ima-alarm-fault
</ima-alarm-fault>
<ima-alarm-tx-unusable-fe>
  ima-alarm-tx-unusable-fe
</ima-alarm-tx-unusable-fe>
<ima-alarm-rx-unusable-fe>
  ima-alarm-rx-unusable-fe
</ima-alarm-rx-unusable-fe>
<generic-value>
  generic-value
</generic-value>
</interface-alarms>
</active-defects-otn>
</physical-interface>
</interface-information>
```

**Description** Container tag for interface alarms

## <interface-alarms>

### Usage

```
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      <interface-alarms>
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          alarm-not-present
        </alarm-not-present>
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        </sonet-alarm-lol>
        <sonet-alarm-pll>
          sonet-alarm-pll
        </sonet-alarm-pll>
        <sonet-alarm-lof>
          sonet-alarm-lof
        </sonet-alarm-lof>
        <sonet-alarm-los>
          sonet-alarm-los
        </sonet-alarm-los>
        <sonet-alarm-sef>
          sonet-alarm-sef
        </sonet-alarm-sef>
        <sonet-alarm-lais>
          sonet-alarm-lais
```

```
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  sonet-alarm-pais
</sonet-alarm-pais>
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  sonet-alarm-lop
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<sonet-alarm-berr-sd>
  sonet-alarm-berr-sd
</sonet-alarm-berr-sd>
<sonet-alarm-berr-sf>
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</sonet-alarm-berr-sf>
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</sdh-alarm-pll>
<sdh-alarm-lof>
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</interface-information>

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**Description** Container tag for interface alarms

## <interface-alarms>

### Usage

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</active-defects>
</link-entry>
</links>
</physical-interface>
</interface-information>

```

**Description** Container tag for interface alarms

## <interface-alarms>

### Usage

```

<interface-filter-information>
<physical-interface>

```

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  </dsl-alarm-far-los>
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```



```
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    ima-alarm-config-abort-fe
  </ima-alarm-config-abort-fe>
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  <ima-alarm-rx-unusable-fe>
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</active-alarms>
</physical-interface>
</interface-filter-information>
```

**Description**    Container tag for interface alarms

## <interface-alarms>

### Usage

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      </sonet-alarm-pais>
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      </sonet-alarm-rei>
      <sonet-alarm-uneq>
        sonet-alarm-uneq
      </sonet-alarm-uneq>
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```

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</otn-alarm-odu-threshold-ses>
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<ima-alarm-rx-unusable-fe>
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</ima-alarm-rx-unusable-fe>
<generic-value>
```



```

        generic-value
      </generic-value>
    </interface-alarms>
  </active-defects>
</physical-interface>
</interface-filter-information>

```

**Description** Container tag for interface alarms

## <interface-alarms>

### Usage

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        sonet-alarm-pll
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        sonet-alarm-los
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        sonet-alarm-prdi

```

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    otn-alarm-otu-threshold-bbe
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  <otn-alarm-odu-bdi>
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  </otn-alarm-odu-rx-aps-change>
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```

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</otn-alarm-odu-threshold-ses>
<otn-alarm-odu-threshold-uas>
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</otn-alarm-odu-threshold-uas>
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</otn-alarm-opu-pmi>
<ima-alarm-startup-fe>
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</ima-alarm-startup-fe>
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</ima-alarm-rdi>
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<ima-alarm-rx-unusable-fe>
  ima-alarm-rx-unusable-fe
</ima-alarm-rx-unusable-fe>
<generic-value>
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</generic-value>
</interface-alarms>
</active-alarms-otn>
</physical-interface>
</interface-filter-information>
```

**Description** Container tag for interface alarms

## <interface-alarms>

### Usage

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<interface-filter-information>
<physical-interface>
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    </alarm-not-present>
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      sonet-alarm-pll
    </sonet-alarm-pll>
    <sonet-alarm-lof>
      sonet-alarm-lof
    </sonet-alarm-lof>
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</active-defects-otn>
</physical-interface>
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**Description** Container tag for interface alarms

## <interface-alarms>

### Usage

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</active-alarms>
</link-entry>
</links>
</physical-interface>
</interface-filter-information>
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**Description**    Container tag for interface alarms

## <interface-alarms>

### Usage

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  <link-entry>
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          sonet-alarm-pll
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<ima-alarm-rx-unusable-fe>
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</interface-alarms>
</active-defects>
</link-entry>
</links>
</physical-interface>
</interface-filter-information>

```

**Description** Container tag for interface alarms

## <interface-alarms>

### Usage

```

<interface-policer-information>
<physical-interface>

```

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    </sonet-alarm-loc>
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```

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**Description** Container tag for interface alarms

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</otn-alarm-odu-threshold-ses>
<otn-alarm-odu-threshold-uas>
  otn-alarm-odu-threshold-uas
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<ima-alarm-rx-unusable-fe>
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```
        generic-value
      </generic-value>
    </interface-alarms>
  </active-defects>
</physical-interface>
</interface-policer-information>
```

**Description** Container tag for interface alarms

## <interface-alarms>

### Usage

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        alarm-not-present
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        sonet-alarm-lof
      </sonet-alarm-lof>
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        sonet-alarm-sef
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        sonet-alarm-pais
      </sonet-alarm-pais>
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        sonet-alarm-lop
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        sonet-alarm-berr-sd
      </sonet-alarm-berr-sd>
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        sonet-alarm-berr-sf
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      </sonet-alarm-lrdi>
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</dsl-alarm-far-locdni>
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  </otn-alarm-otu-iae>
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  </otn-alarm-otu-sd>
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    otn-alarm-otu-threshold-bbe
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    otn-alarm-otu-threshold-es
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    otn-alarm-otu-threshold-ses
  </otn-alarm-otu-threshold-ses>
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    otn-alarm-otu-threshold-uas
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<ima-alarm-config-abort-fe>
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</ima-alarm-config-abort-fe>
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</ima-alarm-rdi>
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</ima-alarm-tx-misconnected>
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</ima-alarm-rx-misconnected>
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```

</ima-alarm-fault>
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</ima-alarm-tx-unusable-fe>
<ima-alarm-rx-unusable-fe>
  ima-alarm-rx-unusable-fe
</ima-alarm-rx-unusable-fe>
<generic-value>
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</generic-value>
</interface-alarms>
</active-alarms-otn>
</physical-interface>
</interface-policer-information>

```

**Description** Container tag for interface alarms

## <interface-alarms>

### Usage

```

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    </alarm-not-present>
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    </sonet-alarm-lol>
    <sonet-alarm-pll>
      sonet-alarm-pll
    </sonet-alarm-pll>
    <sonet-alarm-lof>
      sonet-alarm-lof
    </sonet-alarm-lof>
    <sonet-alarm-los>
      sonet-alarm-los
    </sonet-alarm-los>
    <sonet-alarm-sef>
      sonet-alarm-sef
    </sonet-alarm-sef>
    <sonet-alarm-lais>
      sonet-alarm-lais
    </sonet-alarm-lais>
    <sonet-alarm-pais>
      sonet-alarm-pais
    </sonet-alarm-pais>
    <sonet-alarm-lop>
      sonet-alarm-lop
    </sonet-alarm-lop>
    <sonet-alarm-berr-sd>
      sonet-alarm-berr-sd
    </sonet-alarm-berr-sd>
  </interface-alarms>
</active-defects-otn>
</physical-interface>
</interface-policer-information>

```

```
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</sdh-alarm-los>
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  </ds1-alarm-crc-minor>
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  </dsl-alarm-lof>
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    dsl-alarm-los
  </dsl-alarm-los>
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  </dsl-alarm-lom>
  <dsl-alarm-locdi>
    dsl-alarm-locdi
  </dsl-alarm-locdi>
  <dsl-alarm-locdni>
    dsl-alarm-locdni
  </dsl-alarm-locdni>
  <dsl-alarm-lop>
    dsl-alarm-lop
  </dsl-alarm-lop>
```

```
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</dsl-alarm-far-locdi>
<dsl-alarm-far-locdni>
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</dsl-alarm-far-locdni>
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</fibrenchannel-alarm-link-down>
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</ethernet-alarm-lcdp>
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</isdn-alarm-los>
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  shdsl-alarm-line1-losd
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<shdsl-alarm-line1-losw>
  shdsl-alarm-line1-losw
</shdsl-alarm-line1-losw>
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</shdsl-alarm-line2-losd>
<shdsl-alarm-line2-losw>
  shdsl-alarm-line2-losw
</shdsl-alarm-line2-losw>
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</otn-alarm-los>
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</otn-alarm-lof>
<otn-alarm-lom>
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</otn-alarm-lom>
<otn-alarm-wavelength-lock>
  otn-alarm-wavelength-lock
```

```
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</otn-alarm-otu-bdi>
<otn-alarm-otu-ttim>
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</otn-alarm-otu-ttim>
<otn-alarm-otu-iae>
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</otn-alarm-otu-iae>
<otn-alarm-otu-sd>
  otn-alarm-otu-sd
</otn-alarm-otu-sd>
<otn-alarm-otu-sf>
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</otn-alarm-otu-sf>
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  otn-alarm-otu-fec-excessive
</otn-alarm-otu-fec-excessive>
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  otn-alarm-otu-fec-degraded
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  otn-alarm-otu-threshold-es
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<otn-alarm-otu-threshold-ses>
  otn-alarm-otu-threshold-ses
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</otn-alarm-otu-threshold-uas>
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  otn-alarm-odu-ttim
</otn-alarm-odu-ttim>
<otn-alarm-odu-sd>
  otn-alarm-odu-sd
</otn-alarm-odu-sd>
<otn-alarm-odu-sf>
```



```
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  </otn-alarm-odu-sf>
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    otn-alarm-odu-rx-aps-change
  </otn-alarm-odu-rx-aps-change>
  <otn-alarm-odu-threshold-bbe>
    otn-alarm-odu-threshold-bbe
  </otn-alarm-odu-threshold-bbe>
  <otn-alarm-odu-threshold-es>
    otn-alarm-odu-threshold-es
  </otn-alarm-odu-threshold-es>
  <otn-alarm-odu-threshold-ses>
    otn-alarm-odu-threshold-ses
  </otn-alarm-odu-threshold-ses>
  <otn-alarm-odu-threshold-uas>
    otn-alarm-odu-threshold-uas
  </otn-alarm-odu-threshold-uas>
  <otn-alarm-opu-pmi>
    otn-alarm-opu-pmi
  </otn-alarm-opu-pmi>
  <ima-alarm-startup-fe>
    ima-alarm-startup-fe
  </ima-alarm-startup-fe>
  <ima-alarm-config-abort>
    ima-alarm-config-abort
  </ima-alarm-config-abort>
  <ima-alarm-config-abort-fe>
    ima-alarm-config-abort-fe
  </ima-alarm-config-abort-fe>
  <ima-alarm-insufficient-links>
    ima-alarm-insufficient-links
  </ima-alarm-insufficient-links>
  <ima-alarm-insufficient-links-fe>
    ima-alarm-insufficient-links-fe
  </ima-alarm-insufficient-links-fe>
  <ima-alarm-blocked>
    ima-alarm-blocked
  </ima-alarm-blocked>
  <ima-alarm-blocked-fe>
    ima-alarm-blocked-fe
  </ima-alarm-blocked-fe>
  <ima-alarm-timing-mismatch>
    ima-alarm-timing-mismatch
  </ima-alarm-timing-mismatch>
  <ima-alarm-version-mismatch>
    ima-alarm-version-mismatch
  </ima-alarm-version-mismatch>
  <ima-alarm-lif>
    ima-alarm-lif
  </ima-alarm-lif>
  <ima-alarm-lods>
    ima-alarm-lods
  </ima-alarm-lods>
  <ima-alarm-rdi>
    ima-alarm-rdi
  </ima-alarm-rdi>
```

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<ima-alarm-tx-misconnected>
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</ima-alarm-tx-misconnected>
<ima-alarm-rx-misconnected>
  ima-alarm-rx-misconnected
</ima-alarm-rx-misconnected>
<ima-alarm-fault>
  ima-alarm-fault
</ima-alarm-fault>
<ima-alarm-tx-unusable-fe>
  ima-alarm-tx-unusable-fe
</ima-alarm-tx-unusable-fe>
<ima-alarm-rx-unusable-fe>
  ima-alarm-rx-unusable-fe
</ima-alarm-rx-unusable-fe>
<generic-value>
  generic-value
</generic-value>
</interface-alarms>
</active-defects-otn>
</physical-interface>
</interface-policer-information>
```

**Description** Container tag for interface alarms

## <interface-alarms>

### Usage

```
<interface-policer-information>
<physical-interface>
<links>
  <link-entry>
    <active-alarms>
      <interface-alarms>
        <alarm-not-present>
          alarm-not-present
        </alarm-not-present>
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          sonet-alarm-lol
        </sonet-alarm-lol>
        <sonet-alarm-pll>
          sonet-alarm-pll
        </sonet-alarm-pll>
        <sonet-alarm-lof>
          sonet-alarm-lof
        </sonet-alarm-lof>
        <sonet-alarm-los>
          sonet-alarm-los
        </sonet-alarm-los>
        <sonet-alarm-sef>
          sonet-alarm-sef
        </sonet-alarm-sef>
        <sonet-alarm-lais>
          sonet-alarm-lais
```

```
</sonet-alarm-lais>
<sonet-alarm-pais>
  sonet-alarm-pais
</sonet-alarm-pais>
<sonet-alarm-lop>
  sonet-alarm-lop
</sonet-alarm-lop>
<sonet-alarm-berr-sd>
  sonet-alarm-berr-sd
</sonet-alarm-berr-sd>
<sonet-alarm-berr-sf>
  sonet-alarm-berr-sf
</sonet-alarm-berr-sf>
<sonet-alarm-lrdi>
  sonet-alarm-lrdi
</sonet-alarm-lrdi>
<sonet-alarm-prdi>
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</sonet-alarm-prdi>
<sonet-alarm-rei>
  sonet-alarm-rei
</sonet-alarm-rei>
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</sonet-alarm-uneq>
<sonet-alarm-pmis>
  sonet-alarm-pmis
</sonet-alarm-pmis>
<sonet-alarm-loc>
  sonet-alarm-loc
</sonet-alarm-loc>
<sonet-alarm-vais>
  sonet-alarm-vais
</sonet-alarm-vais>
<sonet-alarm-vlop>
  sonet-alarm-vlop
</sonet-alarm-vlop>
<sonet-alarm-vrdi>
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</sonet-alarm-vrdi>
<sonet-alarm-vuneq>
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</sonet-alarm-vuneq>
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</sonet-alarm-vmis>
<sonet-alarm-vloc>
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</sonet-alarm-vloc>
<sdh-alarm-lol>
  sdh-alarm-lol
</sdh-alarm-lol>
<sdh-alarm-pll>
  sdh-alarm-pll
</sdh-alarm-pll>
<sdh-alarm-lof>
```

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sdh-alarm-lof
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<sdh-alarm-los>
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</sdh-alarm-los>
<sdh-alarm-oof>
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</sdh-alarm-berr-sd>
<sdh-alarm-berr-sf>
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</sdh-alarm-berr-sf>
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  sdh-alarm-msferf
</sdh-alarm-msferf>
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</sdh-alarm-tuais>
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</sdh-alarm-tulop>
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</sdh-alarm-turdi>
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</sdh-alarm-tuuneq>
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</sdh-alarm-tumis>
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</ds3-alarm-pll>
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</ds3-alarm-ais>
<ds3-alarm-lof>
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</ds3-alarm-lof>
<ds3-alarm-los>
  ds3-alarm-los
</ds3-alarm-los>
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</ds1-alarm-lof>
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</dsl-alarm-lof>
<dsl-alarm-los>
  dsl-alarm-los
</dsl-alarm-los>
<dsl-alarm-lom>
  dsl-alarm-lom
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</dsl-alarm-locdi>
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</dsl-alarm-locdni>
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</dsl-alarm-lop>
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</dsl-alarm-far-lof>
<dsl-alarm-far-los>
  dsl-alarm-far-los
</dsl-alarm-far-los>
<dsl-alarm-far-locdi>
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</dsl-alarm-far-locdi>
<dsl-alarm-far-locdni>
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</dsl-alarm-far-locdni>
<fibrenchannel-alarm-link-down>
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</fibrenchannel-alarm-link-down>
<ethernet-alarm-link-down>
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</ethernet-alarm-link-down>
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</ethernet-alarm-lcdp>
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</isdn-alarm-los>
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</shdsl-alarm-losd>
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</shdsl-alarm-line1-losd>
<shdsl-alarm-line1-losw>
  shdsl-alarm-line1-losw
</shdsl-alarm-line1-losw>
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<shdsl-alarm-line2-losw>
  shdsl-alarm-line2-losw
</shdsl-alarm-line2-losw>
<otn-alarm-los>
```

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    otn-alarm-los
  </otn-alarm-los>
  <otn-alarm-lof>
    otn-alarm-lof
  </otn-alarm-lof>
  <otn-alarm-lom>
    otn-alarm-lom
  </otn-alarm-lom>
  <otn-alarm-wavelength-lock>
    otn-alarm-wavelength-lock
  </otn-alarm-wavelength-lock>
  <otn-alarm-otu-ais>
    otn-alarm-otu-ais
  </otn-alarm-otu-ais>
  <otn-alarm-otu-bdi>
    otn-alarm-otu-bdi
  </otn-alarm-otu-bdi>
  <otn-alarm-otu-ttim>
    otn-alarm-otu-ttim
  </otn-alarm-otu-ttim>
  <otn-alarm-otu-iae>
    otn-alarm-otu-iae
  </otn-alarm-otu-iae>
  <otn-alarm-otu-sd>
    otn-alarm-otu-sd
  </otn-alarm-otu-sd>
  <otn-alarm-otu-sf>
    otn-alarm-otu-sf
  </otn-alarm-otu-sf>
  <otn-alarm-otu-fec-excessive>
    otn-alarm-otu-fec-excessive
  </otn-alarm-otu-fec-excessive>
  <otn-alarm-otu-fec-degraded>
    otn-alarm-otu-fec-degraded
  </otn-alarm-otu-fec-degraded>
  <otn-alarm-otu-threshold-bbe>
    otn-alarm-otu-threshold-bbe
  </otn-alarm-otu-threshold-bbe>
  <otn-alarm-otu-threshold-es>
    otn-alarm-otu-threshold-es
  </otn-alarm-otu-threshold-es>
  <otn-alarm-otu-threshold-ses>
    otn-alarm-otu-threshold-ses
  </otn-alarm-otu-threshold-ses>
  <otn-alarm-otu-threshold-uas>
    otn-alarm-otu-threshold-uas
  </otn-alarm-otu-threshold-uas>
  <otn-alarm-odu-ais>
    otn-alarm-odu-ais
  </otn-alarm-odu-ais>
  <otn-alarm-odu-oci>
    otn-alarm-odu-oci
  </otn-alarm-odu-oci>
  <otn-alarm-odu-lck>
    otn-alarm-odu-lck
  </otn-alarm-odu-lck>
```

```
<otn-alarm-odu-bdi>
  otn-alarm-odu-bdi
</otn-alarm-odu-bdi>
<otn-alarm-odu-ttim>
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</otn-alarm-odu-ttim>
<otn-alarm-odu-sd>
  otn-alarm-odu-sd
</otn-alarm-odu-sd>
<otn-alarm-odu-sf>
  otn-alarm-odu-sf
</otn-alarm-odu-sf>
<otn-alarm-odu-rx-aps-change>
  otn-alarm-odu-rx-aps-change
</otn-alarm-odu-rx-aps-change>
<otn-alarm-odu-threshold-bbe>
  otn-alarm-odu-threshold-bbe
</otn-alarm-odu-threshold-bbe>
<otn-alarm-odu-threshold-es>
  otn-alarm-odu-threshold-es
</otn-alarm-odu-threshold-es>
<otn-alarm-odu-threshold-ses>
  otn-alarm-odu-threshold-ses
</otn-alarm-odu-threshold-ses>
<otn-alarm-odu-threshold-uas>
  otn-alarm-odu-threshold-uas
</otn-alarm-odu-threshold-uas>
<otn-alarm-opu-pmi>
  otn-alarm-opu-pmi
</otn-alarm-opu-pmi>
<ima-alarm-startup-fe>
  ima-alarm-startup-fe
</ima-alarm-startup-fe>
<ima-alarm-config-abort>
  ima-alarm-config-abort
</ima-alarm-config-abort>
<ima-alarm-config-abort-fe>
  ima-alarm-config-abort-fe
</ima-alarm-config-abort-fe>
<ima-alarm-insufficient-links>
  ima-alarm-insufficient-links
</ima-alarm-insufficient-links>
<ima-alarm-insufficient-links-fe>
  ima-alarm-insufficient-links-fe
</ima-alarm-insufficient-links-fe>
<ima-alarm-blocked>
  ima-alarm-blocked
</ima-alarm-blocked>
<ima-alarm-blocked-fe>
  ima-alarm-blocked-fe
</ima-alarm-blocked-fe>
<ima-alarm-timing-mismatch>
  ima-alarm-timing-mismatch
</ima-alarm-timing-mismatch>
<ima-alarm-version-mismatch>
  ima-alarm-version-mismatch
```



```

</ima-alarm-version-mismatch>
<ima-alarm-lif>
  ima-alarm-lif
</ima-alarm-lif>
<ima-alarm-lods>
  ima-alarm-lods
</ima-alarm-lods>
<ima-alarm-rdi>
  ima-alarm-rdi
</ima-alarm-rdi>
<ima-alarm-tx-misconnected>
  ima-alarm-tx-misconnected
</ima-alarm-tx-misconnected>
<ima-alarm-rx-misconnected>
  ima-alarm-rx-misconnected
</ima-alarm-rx-misconnected>
<ima-alarm-fault>
  ima-alarm-fault
</ima-alarm-fault>
<ima-alarm-tx-unusable-fe>
  ima-alarm-tx-unusable-fe
</ima-alarm-tx-unusable-fe>
<ima-alarm-rx-unusable-fe>
  ima-alarm-rx-unusable-fe
</ima-alarm-rx-unusable-fe>
<generic-value>
  generic-value
</generic-value>
</interface-alarms>
</active-alarms>
</link-entry>
</links>
</physical-interface>
</interface-policer-information>

```

**Description** Container tag for interface alarms

## <interface-alarms>

### Usage

```

<interface-policer-information>
<physical-interface>
<links>
  <link-entry>
    <active-defects>
      <interface-alarms>
        <alarm-not-present>
          alarm-not-present
        </alarm-not-present>
        <sonet-alarm-lol>
          sonet-alarm-lol
        </sonet-alarm-lol>
        <sonet-alarm-pll>
          sonet-alarm-pll

```

```
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    shdsl-alarm-line1-losw
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</physical-interface>
</interface-policer-information>
```

**Description** Container tag for interface alarms

## <interface-chassis-cos-summary>

### Usage

```
<interface-chassis-cos-summary>
  <intf-cos-chassis-num-queues-supported>
```



```

    intf-cos-chassis-num-queues-supported
  </intf-cos-chassis-num-queues-supported>
  <intf-cos-chassis-num-queues-in-use>
    intf-cos-chassis-num-queues-in-use
  </intf-cos-chassis-num-queues-in-use>
</interface-chassis-cos-summary>

```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```

<chassis-queue-counters>
  <interface-chassis-cos-summary>
    <intf-cos-chassis-num-queues-supported>
      intf-cos-chassis-num-queues-supported
    </intf-cos-chassis-num-queues-supported>
    <intf-cos-chassis-num-queues-in-use>
      intf-cos-chassis-num-queues-in-use
    </intf-cos-chassis-num-queues-in-use>
  </interface-chassis-cos-summary>
</chassis-queue-counters>

```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```

<ingress-queue-counters>
  <interface-chassis-cos-summary>
    <intf-cos-chassis-num-queues-supported>
      intf-cos-chassis-num-queues-supported
    </intf-cos-chassis-num-queues-supported>
    <intf-cos-chassis-num-queues-in-use>
      intf-cos-chassis-num-queues-in-use
    </intf-cos-chassis-num-queues-in-use>
  </interface-chassis-cos-summary>
</ingress-queue-counters>

```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```

<logical-interface>
  <ingress-queue-counters>
    <interface-chassis-cos-summary>
      <intf-cos-chassis-num-queues-supported>
        intf-cos-chassis-num-queues-supported
      </intf-cos-chassis-num-queues-supported>
      <intf-cos-chassis-num-queues-in-use>

```

```
    intf-cos-chassis-num-queues-in-use
  </intf-cos-chassis-num-queues-in-use>
</interface-chassis-cos-summary>
</ingress-queue-counters>
</logical-interface>
```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```
<physical-interface>
<logical-interface>
  <ingress-queue-counters>
    <interface-chassis-cos-summary>
      <intf-cos-chassis-num-queues-supported>
        intf-cos-chassis-num-queues-supported
      </intf-cos-chassis-num-queues-supported>
      <intf-cos-chassis-num-queues-in-use>
        intf-cos-chassis-num-queues-in-use
      </intf-cos-chassis-num-queues-in-use>
    </interface-chassis-cos-summary>
  </ingress-queue-counters>
</logical-interface>
</physical-interface>
```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```
<physical-interface>
  <chassis-queue-counters>
    <interface-chassis-cos-summary>
      <intf-cos-chassis-num-queues-supported>
        intf-cos-chassis-num-queues-supported
      </intf-cos-chassis-num-queues-supported>
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        intf-cos-chassis-num-queues-in-use
      </intf-cos-chassis-num-queues-in-use>
    </interface-chassis-cos-summary>
  </chassis-queue-counters>
</physical-interface>
```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```
<physical-interface>
  <ingress-queue-counters>
```

```

<interface-chassis-cos-summary>
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  </intf-cos-chassis-num-queues-supported>
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    intf-cos-chassis-num-queues-in-use
  </intf-cos-chassis-num-queues-in-use>
</interface-chassis-cos-summary>
</ingress-queue-counters>
</physical-interface>

```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```

<interface-set>
  <interface-set-queue-information>
    <ingress-queue-counters>
      <interface-chassis-cos-summary>
        <intf-cos-chassis-num-queues-supported>
          intf-cos-chassis-num-queues-supported
        </intf-cos-chassis-num-queues-supported>
        <intf-cos-chassis-num-queues-in-use>
          intf-cos-chassis-num-queues-in-use
        </intf-cos-chassis-num-queues-in-use>
      </interface-chassis-cos-summary>
    </ingress-queue-counters>
  </interface-set-queue-information>
</interface-set>

```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <ingress-queue-counters>
        <interface-chassis-cos-summary>
          <intf-cos-chassis-num-queues-supported>
            intf-cos-chassis-num-queues-supported
          </intf-cos-chassis-num-queues-supported>
          <intf-cos-chassis-num-queues-in-use>
            intf-cos-chassis-num-queues-in-use
          </intf-cos-chassis-num-queues-in-use>
        </interface-chassis-cos-summary>
      </ingress-queue-counters>
    </logical-interface>
  </physical-interface>

```

```
</interface-information>
```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```
<interface-information>
  <physical-interface>
    <chassis-queue-counters>
      <interface-chassis-cos-summary>
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          intf-cos-chassis-num-queues-in-use
        </intf-cos-chassis-num-queues-in-use>
      </interface-chassis-cos-summary>
    </chassis-queue-counters>
  </physical-interface>
</interface-information>
```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```
<interface-information>
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        </intf-cos-chassis-num-queues-supported>
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          intf-cos-chassis-num-queues-in-use
        </intf-cos-chassis-num-queues-in-use>
      </interface-chassis-cos-summary>
    </ingress-queue-counters>
  </physical-interface>
</interface-information>
```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```
<interface-information>
  <logical-interface>
    <ingress-queue-counters>
      <interface-chassis-cos-summary>
```

```

    <intf-cos-chassis-num-queues-supported>
      intf-cos-chassis-num-queues-supported
    </intf-cos-chassis-num-queues-supported>
    <intf-cos-chassis-num-queues-in-use>
      intf-cos-chassis-num-queues-in-use
    </intf-cos-chassis-num-queues-in-use>
  </interface-chassis-cos-summary>
</ingress-queue-counters>
</logical-interface>
</interface-information>

```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```

<interface-information>
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    <interface-set-queue-information>
      <ingress-queue-counters>
        <interface-chassis-cos-summary>
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            intf-cos-chassis-num-queues-supported
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            intf-cos-chassis-num-queues-in-use
          </intf-cos-chassis-num-queues-in-use>
        </interface-chassis-cos-summary>
      </ingress-queue-counters>
    </interface-set-queue-information>
  </interface-set>
</interface-information>

```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```

<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <ingress-queue-counters>
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          intf-cos-chassis-num-queues-supported
        </intf-cos-chassis-num-queues-supported>
        <intf-cos-chassis-num-queues-in-use>
          intf-cos-chassis-num-queues-in-use
        </intf-cos-chassis-num-queues-in-use>
      </interface-chassis-cos-summary>
    </ingress-queue-counters>
  </logical-interface>

```

```
</physical-interface>
</interface-filter-information>
```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <chassis-queue-counters>
      <interface-chassis-cos-summary>
        <intf-cos-chassis-num-queues-supported>
          intf-cos-chassis-num-queues-supported
        </intf-cos-chassis-num-queues-supported>
        <intf-cos-chassis-num-queues-in-use>
          intf-cos-chassis-num-queues-in-use
        </intf-cos-chassis-num-queues-in-use>
      </interface-chassis-cos-summary>
    </chassis-queue-counters>
  </physical-interface>
</interface-filter-information>
```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <ingress-queue-counters>
      <interface-chassis-cos-summary>
        <intf-cos-chassis-num-queues-supported>
          intf-cos-chassis-num-queues-supported
        </intf-cos-chassis-num-queues-supported>
        <intf-cos-chassis-num-queues-in-use>
          intf-cos-chassis-num-queues-in-use
        </intf-cos-chassis-num-queues-in-use>
      </interface-chassis-cos-summary>
    </ingress-queue-counters>
  </physical-interface>
</interface-filter-information>
```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <ingress-queue-counters>
```

```

<interface-chassis-cos-summary>
  <intf-cos-chassis-num-queues-supported>
    intf-cos-chassis-num-queues-supported
  </intf-cos-chassis-num-queues-supported>
  <intf-cos-chassis-num-queues-in-use>
    intf-cos-chassis-num-queues-in-use
  </intf-cos-chassis-num-queues-in-use>
</interface-chassis-cos-summary>
</ingress-queue-counters>
</logical-interface>
</interface-filter-information>

```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```

<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <ingress-queue-counters>
      <interface-chassis-cos-summary>
        <intf-cos-chassis-num-queues-supported>
          intf-cos-chassis-num-queues-supported
        </intf-cos-chassis-num-queues-supported>
        <intf-cos-chassis-num-queues-in-use>
          intf-cos-chassis-num-queues-in-use
        </intf-cos-chassis-num-queues-in-use>
      </interface-chassis-cos-summary>
    </ingress-queue-counters>
  </logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <chassis-queue-counters>
      <interface-chassis-cos-summary>
        <intf-cos-chassis-num-queues-supported>
          intf-cos-chassis-num-queues-supported
        </intf-cos-chassis-num-queues-supported>
        <intf-cos-chassis-num-queues-in-use>
          intf-cos-chassis-num-queues-in-use
        </intf-cos-chassis-num-queues-in-use>
      </interface-chassis-cos-summary>
    </chassis-queue-counters>
  </physical-interface>

```

```
</interface-policer-information>
```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <ingress-queue-counters>
      <interface-chassis-cos-summary>
        <intf-cos-chassis-num-queues-supported>
          intf-cos-chassis-num-queues-supported
        </intf-cos-chassis-num-queues-supported>
        <intf-cos-chassis-num-queues-in-use>
          intf-cos-chassis-num-queues-in-use
        </intf-cos-chassis-num-queues-in-use>
      </interface-chassis-cos-summary>
    </ingress-queue-counters>
  </physical-interface>
</interface-policer-information>
```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-chassis-cos-summary>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <ingress-queue-counters>
      <interface-chassis-cos-summary>
        <intf-cos-chassis-num-queues-supported>
          intf-cos-chassis-num-queues-supported
        </intf-cos-chassis-num-queues-supported>
        <intf-cos-chassis-num-queues-in-use>
          intf-cos-chassis-num-queues-in-use
        </intf-cos-chassis-num-queues-in-use>
      </interface-chassis-cos-summary>
    </ingress-queue-counters>
  </logical-interface>
</interface-policer-information>
```

**Description** Packet Forwarding Engine chassis forwarding class and queue information for an interface

### <interface-cos-short-summary>

#### Usage

```
<interface-cos-short-summary>
  <intf-cos-queue-type>
    intf-cos-queue-type
  </intf-cos-queue-type>
```



```

<intf-cos-num-queues-supported>
  intf-cos-num-queues-supported
</intf-cos-num-queues-supported>
<intf-cos-num-queues-in-use>
  intf-cos-num-queues-in-use
</intf-cos-num-queues-in-use>
</interface-cos-short-summary>

```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```

<queue-counters>
  <interface-cos-short-summary>
    <intf-cos-queue-type>
      intf-cos-queue-type
    </intf-cos-queue-type>
    <intf-cos-num-queues-supported>
      intf-cos-num-queues-supported
    </intf-cos-num-queues-supported>
    <intf-cos-num-queues-in-use>
      intf-cos-num-queues-in-use
    </intf-cos-num-queues-in-use>
  </interface-cos-short-summary>
</queue-counters>

```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```

<ingress-queue-counters>
  <interface-cos-short-summary>
    <intf-cos-queue-type>
      intf-cos-queue-type
    </intf-cos-queue-type>
    <intf-cos-num-queues-supported>
      intf-cos-num-queues-supported
    </intf-cos-num-queues-supported>
    <intf-cos-num-queues-in-use>
      intf-cos-num-queues-in-use
    </intf-cos-num-queues-in-use>
  </interface-cos-short-summary>
</ingress-queue-counters>

```

**Description** Summary of queue information on an interface

## <interface-cos-short-summary>

### Usage

```
<logical-interface>
  <queue-counters>
    <interface-cos-short-summary>
      <intf-cos-queue-type>
        intf-cos-queue-type
      </intf-cos-queue-type>
      <intf-cos-num-queues-supported>
        intf-cos-num-queues-supported
      </intf-cos-num-queues-supported>
      <intf-cos-num-queues-in-use>
        intf-cos-num-queues-in-use
      </intf-cos-num-queues-in-use>
    </interface-cos-short-summary>
  </queue-counters>
</logical-interface>
```

**Description** Summary of queue information on an interface

## <interface-cos-short-summary>

### Usage

```
<logical-interface>
  <ingress-queue-counters>
    <interface-cos-short-summary>
      <intf-cos-queue-type>
        intf-cos-queue-type
      </intf-cos-queue-type>
      <intf-cos-num-queues-supported>
        intf-cos-num-queues-supported
      </intf-cos-num-queues-supported>
      <intf-cos-num-queues-in-use>
        intf-cos-num-queues-in-use
      </intf-cos-num-queues-in-use>
    </interface-cos-short-summary>
  </ingress-queue-counters>
</logical-interface>
```

**Description** Summary of queue information on an interface

## <interface-cos-short-summary>

### Usage

```
<physical-interface>
  <queue-counters>
    <interface-cos-short-summary>
      <intf-cos-queue-type>
        intf-cos-queue-type
      </intf-cos-queue-type>
      <intf-cos-num-queues-supported>
```

```

        intf-cos-num-queues-supported
      </intf-cos-num-queues-supported>
      <intf-cos-num-queues-in-use>
        intf-cos-num-queues-in-use
      </intf-cos-num-queues-in-use>
    </interface-cos-short-summary>
  </queue-counters>
</physical-interface>

```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```

<physical-interface>
<logical-interface>
  <queue-counters>
    <interface-cos-short-summary>
      <intf-cos-queue-type>
        intf-cos-queue-type
      </intf-cos-queue-type>
      <intf-cos-num-queues-supported>
        intf-cos-num-queues-supported
      </intf-cos-num-queues-supported>
      <intf-cos-num-queues-in-use>
        intf-cos-num-queues-in-use
      </intf-cos-num-queues-in-use>
    </interface-cos-short-summary>
  </queue-counters>
</logical-interface>
</physical-interface>

```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```

<physical-interface>
<logical-interface>
  <ingress-queue-counters>
    <interface-cos-short-summary>
      <intf-cos-queue-type>
        intf-cos-queue-type
      </intf-cos-queue-type>
      <intf-cos-num-queues-supported>
        intf-cos-num-queues-supported
      </intf-cos-num-queues-supported>
      <intf-cos-num-queues-in-use>
        intf-cos-num-queues-in-use
      </intf-cos-num-queues-in-use>
    </interface-cos-short-summary>
  </ingress-queue-counters>

```

```
</logical-interface>
</physical-interface>
```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```
<physical-interface>
  <ingress-queue-counters>
    <interface-cos-short-summary>
      <intf-cos-queue-type>
        intf-cos-queue-type
      </intf-cos-queue-type>
      <intf-cos-num-queues-supported>
        intf-cos-num-queues-supported
      </intf-cos-num-queues-supported>
      <intf-cos-num-queues-in-use>
        intf-cos-num-queues-in-use
      </intf-cos-num-queues-in-use>
    </interface-cos-short-summary>
  </ingress-queue-counters>
</physical-interface>
```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```
<interface-set>
  <interface-set-queue-information>
    <queue-counters>
      <interface-cos-short-summary>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
        <intf-cos-num-queues-supported>
          intf-cos-num-queues-supported
        </intf-cos-num-queues-supported>
        <intf-cos-num-queues-in-use>
          intf-cos-num-queues-in-use
        </intf-cos-num-queues-in-use>
      </interface-cos-short-summary>
    </queue-counters>
  </interface-set-queue-information>
</interface-set>
```

**Description** Summary of queue information on an interface

## <interface-cos-short-summary>

### Usage

```

<interface-set>
  <interface-set-queue-information>
    <ingress-queue-counters>
      <interface-cos-short-summary>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
        <intf-cos-num-queues-supported>
          intf-cos-num-queues-supported
        </intf-cos-num-queues-supported>
        <intf-cos-num-queues-in-use>
          intf-cos-num-queues-in-use
        </intf-cos-num-queues-in-use>
      </interface-cos-short-summary>
    </ingress-queue-counters>
  </interface-set-queue-information>
</interface-set>

```

**Description** Summary of queue information on an interface

## <interface-cos-short-summary>

### Usage

```

<interface-information>
  <physical-interface>
    <queue-counters>
      <interface-cos-short-summary>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
        <intf-cos-num-queues-supported>
          intf-cos-num-queues-supported
        </intf-cos-num-queues-supported>
        <intf-cos-num-queues-in-use>
          intf-cos-num-queues-in-use
        </intf-cos-num-queues-in-use>
      </interface-cos-short-summary>
    </queue-counters>
  </physical-interface>
</interface-information>

```

**Description** Summary of queue information on an interface

## <interface-cos-short-summary>

### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>

```

```
<queue-counters>
  <interface-cos-short-summary>
    <intf-cos-queue-type>
      intf-cos-queue-type
    </intf-cos-queue-type>
    <intf-cos-num-queues-supported>
      intf-cos-num-queues-supported
    </intf-cos-num-queues-supported>
    <intf-cos-num-queues-in-use>
      intf-cos-num-queues-in-use
    </intf-cos-num-queues-in-use>
  </interface-cos-short-summary>
</queue-counters>
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <ingress-queue-counters>
        <interface-cos-short-summary>
          <intf-cos-queue-type>
            intf-cos-queue-type
          </intf-cos-queue-type>
          <intf-cos-num-queues-supported>
            intf-cos-num-queues-supported
          </intf-cos-num-queues-supported>
          <intf-cos-num-queues-in-use>
            intf-cos-num-queues-in-use
          </intf-cos-num-queues-in-use>
        </interface-cos-short-summary>
      </ingress-queue-counters>
    </logical-interface>
  </physical-interface>
</interface-information>
```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```
<interface-information>
  <physical-interface>
    <ingress-queue-counters>
      <interface-cos-short-summary>
        <intf-cos-queue-type>
```

```

    intf-cos-queue-type
  </intf-cos-queue-type>
  <intf-cos-num-queues-supported>
    intf-cos-num-queues-supported
  </intf-cos-num-queues-supported>
  <intf-cos-num-queues-in-use>
    intf-cos-num-queues-in-use
  </intf-cos-num-queues-in-use>
</interface-cos-short-summary>
</ingress-queue-counters>
</physical-interface>
</interface-information>

```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```

<interface-information>
  <logical-interface>
    <queue-counters>
      <interface-cos-short-summary>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
        <intf-cos-num-queues-supported>
          intf-cos-num-queues-supported
        </intf-cos-num-queues-supported>
        <intf-cos-num-queues-in-use>
          intf-cos-num-queues-in-use
        </intf-cos-num-queues-in-use>
      </interface-cos-short-summary>
    </queue-counters>
  </logical-interface>
</interface-information>

```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```

<interface-information>
  <logical-interface>
    <ingress-queue-counters>
      <interface-cos-short-summary>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
        <intf-cos-num-queues-supported>
          intf-cos-num-queues-supported
        </intf-cos-num-queues-supported>
        <intf-cos-num-queues-in-use>

```

```
    intf-cos-num-queues-in-use
  </intf-cos-num-queues-in-use>
</interface-cos-short-summary>
</ingress-queue-counters>
</logical-interface>
</interface-information>
```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```
<interface-information>
  <interface-set>
    <interface-set-queue-information>
      <queue-counters>
        <interface-cos-short-summary>
          <intf-cos-queue-type>
            intf-cos-queue-type
          </intf-cos-queue-type>
          <intf-cos-num-queues-supported>
            intf-cos-num-queues-supported
          </intf-cos-num-queues-supported>
          <intf-cos-num-queues-in-use>
            intf-cos-num-queues-in-use
          </intf-cos-num-queues-in-use>
        </interface-cos-short-summary>
      </queue-counters>
    </interface-set-queue-information>
  </interface-set>
</interface-information>
```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```
<interface-information>
  <interface-set>
    <interface-set-queue-information>
      <ingress-queue-counters>
        <interface-cos-short-summary>
          <intf-cos-queue-type>
            intf-cos-queue-type
          </intf-cos-queue-type>
          <intf-cos-num-queues-supported>
            intf-cos-num-queues-supported
          </intf-cos-num-queues-supported>
          <intf-cos-num-queues-in-use>
            intf-cos-num-queues-in-use
          </intf-cos-num-queues-in-use>
        </interface-cos-short-summary>
      </ingress-queue-counters>
    </interface-set-queue-information>
  </interface-set>
</interface-information>
```



```

    </ingress-queue-counters>
  </interface-set-queue-information>
</interface-set>
</interface-information>

```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <queue-counters>
      <interface-cos-short-summary>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
        <intf-cos-num-queues-supported>
          intf-cos-num-queues-supported
        </intf-cos-num-queues-supported>
        <intf-cos-num-queues-in-use>
          intf-cos-num-queues-in-use
        </intf-cos-num-queues-in-use>
      </interface-cos-short-summary>
    </queue-counters>
  </physical-interface>
</interface-filter-information>

```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <queue-counters>
        <interface-cos-short-summary>
          <intf-cos-queue-type>
            intf-cos-queue-type
          </intf-cos-queue-type>
          <intf-cos-num-queues-supported>
            intf-cos-num-queues-supported
          </intf-cos-num-queues-supported>
          <intf-cos-num-queues-in-use>
            intf-cos-num-queues-in-use
          </intf-cos-num-queues-in-use>
        </interface-cos-short-summary>
      </queue-counters>
    </logical-interface>
  </physical-interface>

```

</interface-filter-information>

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```
<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <ingress-queue-counters>
      <interface-cos-short-summary>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
        <intf-cos-num-queues-supported>
          intf-cos-num-queues-supported
        </intf-cos-num-queues-supported>
        <intf-cos-num-queues-in-use>
          intf-cos-num-queues-in-use
        </intf-cos-num-queues-in-use>
      </interface-cos-short-summary>
    </ingress-queue-counters>
  </logical-interface>
</physical-interface>
</interface-filter-information>
```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```
<interface-filter-information>
  <physical-interface>
  <ingress-queue-counters>
    <interface-cos-short-summary>
      <intf-cos-queue-type>
        intf-cos-queue-type
      </intf-cos-queue-type>
      <intf-cos-num-queues-supported>
        intf-cos-num-queues-supported
      </intf-cos-num-queues-supported>
      <intf-cos-num-queues-in-use>
        intf-cos-num-queues-in-use
      </intf-cos-num-queues-in-use>
    </interface-cos-short-summary>
  </ingress-queue-counters>
</physical-interface>
</interface-filter-information>
```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <queue-counters>
      <interface-cos-short-summary>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
        <intf-cos-num-queues-supported>
          intf-cos-num-queues-supported
        </intf-cos-num-queues-supported>
        <intf-cos-num-queues-in-use>
          intf-cos-num-queues-in-use
        </intf-cos-num-queues-in-use>
      </interface-cos-short-summary>
    </queue-counters>
  </logical-interface>
</interface-filter-information>

```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <ingress-queue-counters>
      <interface-cos-short-summary>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
        <intf-cos-num-queues-supported>
          intf-cos-num-queues-supported
        </intf-cos-num-queues-supported>
        <intf-cos-num-queues-in-use>
          intf-cos-num-queues-in-use
        </intf-cos-num-queues-in-use>
      </interface-cos-short-summary>
    </ingress-queue-counters>
  </logical-interface>
</interface-filter-information>

```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <queue-counters>

```

```
<interface-cos-short-summary>
  <intf-cos-queue-type>
    intf-cos-queue-type
  </intf-cos-queue-type>
  <intf-cos-num-queues-supported>
    intf-cos-num-queues-supported
  </intf-cos-num-queues-supported>
  <intf-cos-num-queues-in-use>
    intf-cos-num-queues-in-use
  </intf-cos-num-queues-in-use>
</interface-cos-short-summary>
</queue-counters>
</physical-interface>
</interface-policer-information>
```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```
<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <queue-counters>
      <interface-cos-short-summary>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
        <intf-cos-num-queues-supported>
          intf-cos-num-queues-supported
        </intf-cos-num-queues-supported>
        <intf-cos-num-queues-in-use>
          intf-cos-num-queues-in-use
        </intf-cos-num-queues-in-use>
      </interface-cos-short-summary>
    </queue-counters>
  </logical-interface>
</physical-interface>
</interface-policer-information>
```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```
<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <ingress-queue-counters>
      <interface-cos-short-summary>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
      </interface-cos-short-summary>
    </ingress-queue-counters>
  </logical-interface>
</physical-interface>
</interface-policer-information>
```

```

</intf-cos-queue-type>
<intf-cos-num-queues-supported>
  intf-cos-num-queues-supported
</intf-cos-num-queues-supported>
<intf-cos-num-queues-in-use>
  intf-cos-num-queues-in-use
</intf-cos-num-queues-in-use>
</interface-cos-short-summary>
</ingress-queue-counters>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <ingress-queue-counters>
      <interface-cos-short-summary>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
        <intf-cos-num-queues-supported>
          intf-cos-num-queues-supported
        </intf-cos-num-queues-supported>
        <intf-cos-num-queues-in-use>
          intf-cos-num-queues-in-use
        </intf-cos-num-queues-in-use>
      </interface-cos-short-summary>
    </ingress-queue-counters>
  </physical-interface>
</interface-policer-information>

```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <queue-counters>
      <interface-cos-short-summary>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
        <intf-cos-num-queues-supported>
          intf-cos-num-queues-supported
        </intf-cos-num-queues-supported>
        <intf-cos-num-queues-in-use>

```

```
    intf-cos-num-queues-in-use
  </intf-cos-num-queues-in-use>
</interface-cos-short-summary>
</queue-counters>
</logical-interface>
</interface-policer-information>
```

**Description** Summary of queue information on an interface

### <interface-cos-short-summary>

#### Usage

```
<interface-policer-information>
<logical-interface>
  <ingress-queue-counters>
    <interface-cos-short-summary>
      <intf-cos-queue-type>
        intf-cos-queue-type
      </intf-cos-queue-type>
      <intf-cos-num-queues-supported>
        intf-cos-num-queues-supported
      </intf-cos-num-queues-supported>
      <intf-cos-num-queues-in-use>
        intf-cos-num-queues-in-use
      </intf-cos-num-queues-in-use>
    </interface-cos-short-summary>
  </ingress-queue-counters>
</logical-interface>
</interface-policer-information>
```

**Description** Summary of queue information on an interface

### <interface-cos-summary>

#### Usage

```
<interface-cos-summary>
  <intf-cos-forwarding-classes-supported>
    intf-cos-forwarding-classes-supported
  </intf-cos-forwarding-classes-supported>
  <intf-cos-forwarding-classes-in-use>
    intf-cos-forwarding-classes-in-use
  </intf-cos-forwarding-classes-in-use>
  <intf-cos-queue-type>
    intf-cos-queue-type
  </intf-cos-queue-type>
  <intf-cos-num-queues-supported>
    intf-cos-num-queues-supported
  </intf-cos-num-queues-supported>
  <intf-cos-num-queues-in-use>
    intf-cos-num-queues-in-use
  </intf-cos-num-queues-in-use>
  <intf-cos-burst-size-for-ift>
```

```

    intf-cos-burst-size-for-iftl
  </intf-cos-burst-size-for-iftl>
</interface-cos-summary>

```

**Description** Summary of forwarding class and queue information on an interface

## <interface-cos-summary>

### Usage

```

<queue-counters>
  <interface-cos-summary>
    <intf-cos-forwarding-classes-supported>
      intf-cos-forwarding-classes-supported
    </intf-cos-forwarding-classes-supported>
    <intf-cos-forwarding-classes-in-use>
      intf-cos-forwarding-classes-in-use
    </intf-cos-forwarding-classes-in-use>
    <intf-cos-queue-type>
      intf-cos-queue-type
    </intf-cos-queue-type>
    <intf-cos-num-queues-supported>
      intf-cos-num-queues-supported
    </intf-cos-num-queues-supported>
    <intf-cos-num-queues-in-use>
      intf-cos-num-queues-in-use
    </intf-cos-num-queues-in-use>
    <intf-cos-burst-size-for-iftl>
      intf-cos-burst-size-for-iftl
    </intf-cos-burst-size-for-iftl>
  </interface-cos-summary>
</queue-counters>

```

**Description** Summary of forwarding class and queue information on an interface

## <interface-cos-summary>

### Usage

```

<ingress-queue-counters>
  <interface-cos-summary>
    <intf-cos-forwarding-classes-supported>
      intf-cos-forwarding-classes-supported
    </intf-cos-forwarding-classes-supported>
    <intf-cos-forwarding-classes-in-use>
      intf-cos-forwarding-classes-in-use
    </intf-cos-forwarding-classes-in-use>
    <intf-cos-queue-type>
      intf-cos-queue-type
    </intf-cos-queue-type>
    <intf-cos-num-queues-supported>
      intf-cos-num-queues-supported
    </intf-cos-num-queues-supported>
    <intf-cos-num-queues-in-use>

```

```
    intf-cos-num-queues-in-use
  </intf-cos-num-queues-in-use>
  <intf-cos-burst-size-for-ift>
    intf-cos-burst-size-for-ift
  </intf-cos-burst-size-for-ift>
</interface-cos-summary>
</ingress-queue-counters>
```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```
<logical-interface>
  <queue-counters>
    <interface-cos-summary>
      <intf-cos-forwarding-classes-supported>
        intf-cos-forwarding-classes-supported
      </intf-cos-forwarding-classes-supported>
      <intf-cos-forwarding-classes-in-use>
        intf-cos-forwarding-classes-in-use
      </intf-cos-forwarding-classes-in-use>
      <intf-cos-queue-type>
        intf-cos-queue-type
      </intf-cos-queue-type>
      <intf-cos-num-queues-supported>
        intf-cos-num-queues-supported
      </intf-cos-num-queues-supported>
      <intf-cos-num-queues-in-use>
        intf-cos-num-queues-in-use
      </intf-cos-num-queues-in-use>
      <intf-cos-burst-size-for-ift>
        intf-cos-burst-size-for-ift
      </intf-cos-burst-size-for-ift>
    </interface-cos-summary>
  </queue-counters>
</logical-interface>
```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```
<logical-interface>
  <ingress-queue-counters>
    <interface-cos-summary>
      <intf-cos-forwarding-classes-supported>
        intf-cos-forwarding-classes-supported
      </intf-cos-forwarding-classes-supported>
      <intf-cos-forwarding-classes-in-use>
        intf-cos-forwarding-classes-in-use
      </intf-cos-forwarding-classes-in-use>
```



```

<intf-cos-queue-type>
  intf-cos-queue-type
</intf-cos-queue-type>
<intf-cos-num-queues-supported>
  intf-cos-num-queues-supported
</intf-cos-num-queues-supported>
<intf-cos-num-queues-in-use>
  intf-cos-num-queues-in-use
</intf-cos-num-queues-in-use>
<intf-cos-burst-size-for-ifl>
  intf-cos-burst-size-for-ifl
</intf-cos-burst-size-for-ifl>
</interface-cos-summary>
</ingress-queue-counters>
</logical-interface>

```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```

<physical-interface>
  <queue-counters>
    <interface-cos-summary>
      <intf-cos-forwarding-classes-supported>
        intf-cos-forwarding-classes-supported
      </intf-cos-forwarding-classes-supported>
      <intf-cos-forwarding-classes-in-use>
        intf-cos-forwarding-classes-in-use
      </intf-cos-forwarding-classes-in-use>
      <intf-cos-queue-type>
        intf-cos-queue-type
      </intf-cos-queue-type>
      <intf-cos-num-queues-supported>
        intf-cos-num-queues-supported
      </intf-cos-num-queues-supported>
      <intf-cos-num-queues-in-use>
        intf-cos-num-queues-in-use
      </intf-cos-num-queues-in-use>
      <intf-cos-burst-size-for-ifl>
        intf-cos-burst-size-for-ifl
      </intf-cos-burst-size-for-ifl>
    </interface-cos-summary>
  </queue-counters>
</physical-interface>

```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```

<physical-interface>

```

```
<logical-interface>
  <queue-counters>
    <interface-cos-summary>
      <intf-cos-forwarding-classes-supported>
        intf-cos-forwarding-classes-supported
      </intf-cos-forwarding-classes-supported>
      <intf-cos-forwarding-classes-in-use>
        intf-cos-forwarding-classes-in-use
      </intf-cos-forwarding-classes-in-use>
      <intf-cos-queue-type>
        intf-cos-queue-type
      </intf-cos-queue-type>
      <intf-cos-num-queues-supported>
        intf-cos-num-queues-supported
      </intf-cos-num-queues-supported>
      <intf-cos-num-queues-in-use>
        intf-cos-num-queues-in-use
      </intf-cos-num-queues-in-use>
      <intf-cos-burst-size-for-ifl>
        intf-cos-burst-size-for-ifl
      </intf-cos-burst-size-for-ifl>
    </interface-cos-summary>
  </queue-counters>
</logical-interface>
</physical-interface>
```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```
<physical-interface>
  <logical-interface>
    <ingress-queue-counters>
      <interface-cos-summary>
        <intf-cos-forwarding-classes-supported>
          intf-cos-forwarding-classes-supported
        </intf-cos-forwarding-classes-supported>
        <intf-cos-forwarding-classes-in-use>
          intf-cos-forwarding-classes-in-use
        </intf-cos-forwarding-classes-in-use>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
        <intf-cos-num-queues-supported>
          intf-cos-num-queues-supported
        </intf-cos-num-queues-supported>
        <intf-cos-num-queues-in-use>
          intf-cos-num-queues-in-use
        </intf-cos-num-queues-in-use>
        <intf-cos-burst-size-for-ifl>
          intf-cos-burst-size-for-ifl
        </intf-cos-burst-size-for-ifl>
      </interface-cos-summary>
    </ingress-queue-counters>
  </logical-interface>
</physical-interface>
```

```

    </ingress-queue-counters>
  </logical-interface>
</physical-interface>

```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```

<physical-interface>
  <ingress-queue-counters>
    <interface-cos-summary>
      <intf-cos-forwarding-classes-supported>
        intf-cos-forwarding-classes-supported
      </intf-cos-forwarding-classes-supported>
      <intf-cos-forwarding-classes-in-use>
        intf-cos-forwarding-classes-in-use
      </intf-cos-forwarding-classes-in-use>
      <intf-cos-queue-type>
        intf-cos-queue-type
      </intf-cos-queue-type>
      <intf-cos-num-queues-supported>
        intf-cos-num-queues-supported
      </intf-cos-num-queues-supported>
      <intf-cos-num-queues-in-use>
        intf-cos-num-queues-in-use
      </intf-cos-num-queues-in-use>
      <intf-cos-burst-size-for-ifl>
        intf-cos-burst-size-for-ifl
      </intf-cos-burst-size-for-ifl>
    </interface-cos-summary>
  </ingress-queue-counters>
</physical-interface>

```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```

<interface-set>
  <interface-set-queue-information>
    <queue-counters>
      <interface-cos-summary>
        <intf-cos-forwarding-classes-supported>
          intf-cos-forwarding-classes-supported
        </intf-cos-forwarding-classes-supported>
        <intf-cos-forwarding-classes-in-use>
          intf-cos-forwarding-classes-in-use
        </intf-cos-forwarding-classes-in-use>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
      </interface-cos-summary>
    </queue-counters>
  </interface-set-queue-information>
</interface-set>

```

```
<intf-cos-num-queues-supported>
  intf-cos-num-queues-supported
</intf-cos-num-queues-supported>
<intf-cos-num-queues-in-use>
  intf-cos-num-queues-in-use
</intf-cos-num-queues-in-use>
<intf-cos-burst-size-for-ifl>
  intf-cos-burst-size-for-ifl
</intf-cos-burst-size-for-ifl>
</interface-cos-summary>
</queue-counters>
</interface-set-queue-information>
</interface-set>
```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```
<interface-set>
<interface-set-queue-information>
<ingress-queue-counters>
  <interface-cos-summary>
    <intf-cos-forwarding-classes-supported>
      intf-cos-forwarding-classes-supported
    </intf-cos-forwarding-classes-supported>
    <intf-cos-forwarding-classes-in-use>
      intf-cos-forwarding-classes-in-use
    </intf-cos-forwarding-classes-in-use>
    <intf-cos-queue-type>
      intf-cos-queue-type
    </intf-cos-queue-type>
    <intf-cos-num-queues-supported>
      intf-cos-num-queues-supported
    </intf-cos-num-queues-supported>
    <intf-cos-num-queues-in-use>
      intf-cos-num-queues-in-use
    </intf-cos-num-queues-in-use>
    <intf-cos-burst-size-for-ifl>
      intf-cos-burst-size-for-ifl
    </intf-cos-burst-size-for-ifl>
  </interface-cos-summary>
</ingress-queue-counters>
</interface-set-queue-information>
</interface-set>
```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```
<interface-information>
```

```

<physical-interface>
  <queue-counters>
    <interface-cos-summary>
      <intf-cos-forwarding-classes-supported>
        intf-cos-forwarding-classes-supported
      </intf-cos-forwarding-classes-supported>
      <intf-cos-forwarding-classes-in-use>
        intf-cos-forwarding-classes-in-use
      </intf-cos-forwarding-classes-in-use>
      <intf-cos-queue-type>
        intf-cos-queue-type
      </intf-cos-queue-type>
      <intf-cos-num-queues-supported>
        intf-cos-num-queues-supported
      </intf-cos-num-queues-supported>
      <intf-cos-num-queues-in-use>
        intf-cos-num-queues-in-use
      </intf-cos-num-queues-in-use>
      <intf-cos-burst-size-for-ifl>
        intf-cos-burst-size-for-ifl
      </intf-cos-burst-size-for-ifl>
    </interface-cos-summary>
  </queue-counters>
</physical-interface>
</interface-information>

```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <queue-counters>
        <interface-cos-summary>
          <intf-cos-forwarding-classes-supported>
            intf-cos-forwarding-classes-supported
          </intf-cos-forwarding-classes-supported>
          <intf-cos-forwarding-classes-in-use>
            intf-cos-forwarding-classes-in-use
          </intf-cos-forwarding-classes-in-use>
          <intf-cos-queue-type>
            intf-cos-queue-type
          </intf-cos-queue-type>
          <intf-cos-num-queues-supported>
            intf-cos-num-queues-supported
          </intf-cos-num-queues-supported>
          <intf-cos-num-queues-in-use>
            intf-cos-num-queues-in-use
          </intf-cos-num-queues-in-use>
          <intf-cos-burst-size-for-ifl>
            intf-cos-burst-size-for-ifl
          </intf-cos-burst-size-for-ifl>
        </interface-cos-summary>
      </queue-counters>
    </logical-interface>
  </physical-interface>
</interface-information>

```

```
        </interface-cos-summary>
      </queue-counters>
    </logical-interface>
  </physical-interface>
</interface-information>
```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <ingress-queue-counters>
        <interface-cos-summary>
          <intf-cos-forwarding-classes-supported>
            intf-cos-forwarding-classes-supported
          </intf-cos-forwarding-classes-supported>
          <intf-cos-forwarding-classes-in-use>
            intf-cos-forwarding-classes-in-use
          </intf-cos-forwarding-classes-in-use>
          <intf-cos-queue-type>
            intf-cos-queue-type
          </intf-cos-queue-type>
          <intf-cos-num-queues-supported>
            intf-cos-num-queues-supported
          </intf-cos-num-queues-supported>
          <intf-cos-num-queues-in-use>
            intf-cos-num-queues-in-use
          </intf-cos-num-queues-in-use>
          <intf-cos-burst-size-for-ift>
            intf-cos-burst-size-for-ift
          </intf-cos-burst-size-for-ift>
        </interface-cos-summary>
      </ingress-queue-counters>
    </logical-interface>
  </physical-interface>
</interface-information>
```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```
<interface-information>
  <physical-interface>
    <ingress-queue-counters>
      <interface-cos-summary>
        <intf-cos-forwarding-classes-supported>
          intf-cos-forwarding-classes-supported
        </intf-cos-forwarding-classes-supported>
```

```

<intf-cos-forwarding-classes-in-use>
  intf-cos-forwarding-classes-in-use
</intf-cos-forwarding-classes-in-use>
<intf-cos-queue-type>
  intf-cos-queue-type
</intf-cos-queue-type>
<intf-cos-num-queues-supported>
  intf-cos-num-queues-supported
</intf-cos-num-queues-supported>
<intf-cos-num-queues-in-use>
  intf-cos-num-queues-in-use
</intf-cos-num-queues-in-use>
<intf-cos-burst-size-for-ift>
  intf-cos-burst-size-for-ift
</intf-cos-burst-size-for-ift>
</interface-cos-summary>
</ingress-queue-counters>
</physical-interface>
</interface-information>

```

**Description** Summary of forwarding class and queue information on an interface

## <interface-cos-summary>

### Usage

```

<interface-information>
<logical-interface>
<queue-counters>
  <interface-cos-summary>
    <intf-cos-forwarding-classes-supported>
      intf-cos-forwarding-classes-supported
    </intf-cos-forwarding-classes-supported>
    <intf-cos-forwarding-classes-in-use>
      intf-cos-forwarding-classes-in-use
    </intf-cos-forwarding-classes-in-use>
    <intf-cos-queue-type>
      intf-cos-queue-type
    </intf-cos-queue-type>
    <intf-cos-num-queues-supported>
      intf-cos-num-queues-supported
    </intf-cos-num-queues-supported>
    <intf-cos-num-queues-in-use>
      intf-cos-num-queues-in-use
    </intf-cos-num-queues-in-use>
    <intf-cos-burst-size-for-ift>
      intf-cos-burst-size-for-ift
    </intf-cos-burst-size-for-ift>
  </interface-cos-summary>
</queue-counters>
</logical-interface>
</interface-information>

```

**Description** Summary of forwarding class and queue information on an interface

## <interface-cos-summary>

### Usage

```
<interface-information>
  <logical-interface>
    <ingress-queue-counters>
      <interface-cos-summary>
        <intf-cos-forwarding-classes-supported>
          intf-cos-forwarding-classes-supported
        </intf-cos-forwarding-classes-supported>
        <intf-cos-forwarding-classes-in-use>
          intf-cos-forwarding-classes-in-use
        </intf-cos-forwarding-classes-in-use>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
        <intf-cos-num-queues-supported>
          intf-cos-num-queues-supported
        </intf-cos-num-queues-supported>
        <intf-cos-num-queues-in-use>
          intf-cos-num-queues-in-use
        </intf-cos-num-queues-in-use>
        <intf-cos-burst-size-for-ift>
          intf-cos-burst-size-for-ift
        </intf-cos-burst-size-for-ift>
      </interface-cos-summary>
    </ingress-queue-counters>
  </logical-interface>
</interface-information>
```

**Description** Summary of forwarding class and queue information on an interface

## <interface-cos-summary>

### Usage

```
<interface-information>
  <interface-set>
    <interface-set-queue-information>
      <queue-counters>
        <interface-cos-summary>
          <intf-cos-forwarding-classes-supported>
            intf-cos-forwarding-classes-supported
          </intf-cos-forwarding-classes-supported>
          <intf-cos-forwarding-classes-in-use>
            intf-cos-forwarding-classes-in-use
          </intf-cos-forwarding-classes-in-use>
          <intf-cos-queue-type>
            intf-cos-queue-type
          </intf-cos-queue-type>
          <intf-cos-num-queues-supported>
            intf-cos-num-queues-supported
          </intf-cos-num-queues-supported>
          <intf-cos-num-queues-in-use>
```



```

        intf-cos-num-queues-in-use
      </intf-cos-num-queues-in-use>
      <intf-cos-burst-size-for-ifl>
        intf-cos-burst-size-for-ifl
      </intf-cos-burst-size-for-ifl>
    </interface-cos-summary>
  </queue-counters>
</interface-set-queue-information>
</interface-set>
</interface-information>

```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```

<interface-information>
  <interface-set>
    <interface-set-queue-information>
      <ingress-queue-counters>
        <interface-cos-summary>
          <intf-cos-forwarding-classes-supported>
            intf-cos-forwarding-classes-supported
          </intf-cos-forwarding-classes-supported>
          <intf-cos-forwarding-classes-in-use>
            intf-cos-forwarding-classes-in-use
          </intf-cos-forwarding-classes-in-use>
          <intf-cos-queue-type>
            intf-cos-queue-type
          </intf-cos-queue-type>
          <intf-cos-num-queues-supported>
            intf-cos-num-queues-supported
          </intf-cos-num-queues-supported>
          <intf-cos-num-queues-in-use>
            intf-cos-num-queues-in-use
          </intf-cos-num-queues-in-use>
          <intf-cos-burst-size-for-ifl>
            intf-cos-burst-size-for-ifl
          </intf-cos-burst-size-for-ifl>
        </interface-cos-summary>
      </ingress-queue-counters>
    </interface-set-queue-information>
  </interface-set>
</interface-information>

```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```

<interface-filter-information>
  <physical-interface>

```

```
<queue-counters>
  <interface-cos-summary>
    <intf-cos-forwarding-classes-supported>
      intf-cos-forwarding-classes-supported
    </intf-cos-forwarding-classes-supported>
    <intf-cos-forwarding-classes-in-use>
      intf-cos-forwarding-classes-in-use
    </intf-cos-forwarding-classes-in-use>
    <intf-cos-queue-type>
      intf-cos-queue-type
    </intf-cos-queue-type>
    <intf-cos-num-queues-supported>
      intf-cos-num-queues-supported
    </intf-cos-num-queues-supported>
    <intf-cos-num-queues-in-use>
      intf-cos-num-queues-in-use
    </intf-cos-num-queues-in-use>
    <intf-cos-burst-size-for-ifl>
      intf-cos-burst-size-for-ifl
    </intf-cos-burst-size-for-ifl>
  </interface-cos-summary>
</queue-counters>
</physical-interface>
</interface-filter-information>
```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <queue-counters>
        <interface-cos-summary>
          <intf-cos-forwarding-classes-supported>
            intf-cos-forwarding-classes-supported
          </intf-cos-forwarding-classes-supported>
          <intf-cos-forwarding-classes-in-use>
            intf-cos-forwarding-classes-in-use
          </intf-cos-forwarding-classes-in-use>
          <intf-cos-queue-type>
            intf-cos-queue-type
          </intf-cos-queue-type>
          <intf-cos-num-queues-supported>
            intf-cos-num-queues-supported
          </intf-cos-num-queues-supported>
          <intf-cos-num-queues-in-use>
            intf-cos-num-queues-in-use
          </intf-cos-num-queues-in-use>
          <intf-cos-burst-size-for-ifl>
            intf-cos-burst-size-for-ifl
          </intf-cos-burst-size-for-ifl>
        </interface-cos-summary>
      </queue-counters>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

```

    </queue-counters>
  </logical-interface>
</physical-interface>
</interface-filter-information>

```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```

<interface-filter-information>
<physical-interface>
<logical-interface>
  <ingress-queue-counters>
    <interface-cos-summary>
      <intf-cos-forwarding-classes-supported>
        intf-cos-forwarding-classes-supported
      </intf-cos-forwarding-classes-supported>
      <intf-cos-forwarding-classes-in-use>
        intf-cos-forwarding-classes-in-use
      </intf-cos-forwarding-classes-in-use>
      <intf-cos-queue-type>
        intf-cos-queue-type
      </intf-cos-queue-type>
      <intf-cos-num-queues-supported>
        intf-cos-num-queues-supported
      </intf-cos-num-queues-supported>
      <intf-cos-num-queues-in-use>
        intf-cos-num-queues-in-use
      </intf-cos-num-queues-in-use>
      <intf-cos-burst-size-for-ifl>
        intf-cos-burst-size-for-ifl
      </intf-cos-burst-size-for-ifl>
    </interface-cos-summary>
  </ingress-queue-counters>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```

<interface-filter-information>
<physical-interface>
  <ingress-queue-counters>
    <interface-cos-summary>
      <intf-cos-forwarding-classes-supported>
        intf-cos-forwarding-classes-supported
      </intf-cos-forwarding-classes-supported>
      <intf-cos-forwarding-classes-in-use>

```

```
    intf-cos-forwarding-classes-in-use
  </intf-cos-forwarding-classes-in-use>
  <intf-cos-queue-type>
    intf-cos-queue-type
  </intf-cos-queue-type>
  <intf-cos-num-queues-supported>
    intf-cos-num-queues-supported
  </intf-cos-num-queues-supported>
  <intf-cos-num-queues-in-use>
    intf-cos-num-queues-in-use
  </intf-cos-num-queues-in-use>
  <intf-cos-burst-size-for-ifl>
    intf-cos-burst-size-for-ifl
  </intf-cos-burst-size-for-ifl>
</interface-cos-summary>
</ingress-queue-counters>
</physical-interface>
</interface-filter-information>
```

**Description** Summary of forwarding class and queue information on an interface

## <interface-cos-summary>

### Usage

```
<interface-filter-information>
  <logical-interface>
    <queue-counters>
      <interface-cos-summary>
        <intf-cos-forwarding-classes-supported>
          intf-cos-forwarding-classes-supported
        </intf-cos-forwarding-classes-supported>
        <intf-cos-forwarding-classes-in-use>
          intf-cos-forwarding-classes-in-use
        </intf-cos-forwarding-classes-in-use>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
        <intf-cos-num-queues-supported>
          intf-cos-num-queues-supported
        </intf-cos-num-queues-supported>
        <intf-cos-num-queues-in-use>
          intf-cos-num-queues-in-use
        </intf-cos-num-queues-in-use>
        <intf-cos-burst-size-for-ifl>
          intf-cos-burst-size-for-ifl
        </intf-cos-burst-size-for-ifl>
      </interface-cos-summary>
    </queue-counters>
  </logical-interface>
</interface-filter-information>
```

**Description** Summary of forwarding class and queue information on an interface

## <interface-cos-summary>

### Usage

```

<interface-filter-information>
  <logical-interface>
    <ingress-queue-counters>
      <interface-cos-summary>
        <intf-cos-forwarding-classes-supported>
          intf-cos-forwarding-classes-supported
        </intf-cos-forwarding-classes-supported>
        <intf-cos-forwarding-classes-in-use>
          intf-cos-forwarding-classes-in-use
        </intf-cos-forwarding-classes-in-use>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
        <intf-cos-num-queues-supported>
          intf-cos-num-queues-supported
        </intf-cos-num-queues-supported>
        <intf-cos-num-queues-in-use>
          intf-cos-num-queues-in-use
        </intf-cos-num-queues-in-use>
        <intf-cos-burst-size-for-ift>
          intf-cos-burst-size-for-ift
        </intf-cos-burst-size-for-ift>
      </interface-cos-summary>
    </ingress-queue-counters>
  </logical-interface>
</interface-filter-information>

```

**Description** Summary of forwarding class and queue information on an interface

## <interface-cos-summary>

### Usage

```

<interface-policer-information>
  <physical-interface>
    <queue-counters>
      <interface-cos-summary>
        <intf-cos-forwarding-classes-supported>
          intf-cos-forwarding-classes-supported
        </intf-cos-forwarding-classes-supported>
        <intf-cos-forwarding-classes-in-use>
          intf-cos-forwarding-classes-in-use
        </intf-cos-forwarding-classes-in-use>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
        <intf-cos-num-queues-supported>
          intf-cos-num-queues-supported
        </intf-cos-num-queues-supported>
        <intf-cos-num-queues-in-use>
          intf-cos-num-queues-in-use
      </interface-cos-summary>
    </queue-counters>
  </physical-interface>
</interface-policer-information>

```

```
</intf-cos-num-queues-in-use>
<intf-cos-burst-size-for-ifl>
  intf-cos-burst-size-for-ifl
</intf-cos-burst-size-for-ifl>
</interface-cos-summary>
</queue-counters>
</physical-interface>
</interface-policer-information>
```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
<queue-counters>
  <interface-cos-summary>
    <intf-cos-forwarding-classes-supported>
      intf-cos-forwarding-classes-supported
    </intf-cos-forwarding-classes-supported>
    <intf-cos-forwarding-classes-in-use>
      intf-cos-forwarding-classes-in-use
    </intf-cos-forwarding-classes-in-use>
    <intf-cos-queue-type>
      intf-cos-queue-type
    </intf-cos-queue-type>
    <intf-cos-num-queues-supported>
      intf-cos-num-queues-supported
    </intf-cos-num-queues-supported>
    <intf-cos-num-queues-in-use>
      intf-cos-num-queues-in-use
    </intf-cos-num-queues-in-use>
    <intf-cos-burst-size-for-ifl>
      intf-cos-burst-size-for-ifl
    </intf-cos-burst-size-for-ifl>
  </interface-cos-summary>
</queue-counters>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
  <ingress-queue-counters>
```

```

<interface-cos-summary>
  <intf-cos-forwarding-classes-supported>
    intf-cos-forwarding-classes-supported
  </intf-cos-forwarding-classes-supported>
  <intf-cos-forwarding-classes-in-use>
    intf-cos-forwarding-classes-in-use
  </intf-cos-forwarding-classes-in-use>
  <intf-cos-queue-type>
    intf-cos-queue-type
  </intf-cos-queue-type>
  <intf-cos-num-queues-supported>
    intf-cos-num-queues-supported
  </intf-cos-num-queues-supported>
  <intf-cos-num-queues-in-use>
    intf-cos-num-queues-in-use
  </intf-cos-num-queues-in-use>
  <intf-cos-burst-size-for-ifl>
    intf-cos-burst-size-for-ifl
  </intf-cos-burst-size-for-ifl>
</interface-cos-summary>
</ingress-queue-counters>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** Summary of forwarding class and queue information on an interface

## <interface-cos-summary>

### Usage

```

<interface-policer-information>
  <physical-interface>
    <ingress-queue-counters>
      <interface-cos-summary>
        <intf-cos-forwarding-classes-supported>
          intf-cos-forwarding-classes-supported
        </intf-cos-forwarding-classes-supported>
        <intf-cos-forwarding-classes-in-use>
          intf-cos-forwarding-classes-in-use
        </intf-cos-forwarding-classes-in-use>
        <intf-cos-queue-type>
          intf-cos-queue-type
        </intf-cos-queue-type>
        <intf-cos-num-queues-supported>
          intf-cos-num-queues-supported
        </intf-cos-num-queues-supported>
        <intf-cos-num-queues-in-use>
          intf-cos-num-queues-in-use
        </intf-cos-num-queues-in-use>
        <intf-cos-burst-size-for-ifl>
          intf-cos-burst-size-for-ifl
        </intf-cos-burst-size-for-ifl>
      </interface-cos-summary>
    </ingress-queue-counters>
  </physical-interface>
</interface-policer-information>

```

```
</physical-interface>
</interface-policer-information>
```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```
<interface-policer-information>
<logical-interface>
<queue-counters>
  <interface-cos-summary>
    <intf-cos-forwarding-classes-supported>
      intf-cos-forwarding-classes-supported
    </intf-cos-forwarding-classes-supported>
    <intf-cos-forwarding-classes-in-use>
      intf-cos-forwarding-classes-in-use
    </intf-cos-forwarding-classes-in-use>
    <intf-cos-queue-type>
      intf-cos-queue-type
    </intf-cos-queue-type>
    <intf-cos-num-queues-supported>
      intf-cos-num-queues-supported
    </intf-cos-num-queues-supported>
    <intf-cos-num-queues-in-use>
      intf-cos-num-queues-in-use
    </intf-cos-num-queues-in-use>
    <intf-cos-burst-size-for-ifl>
      intf-cos-burst-size-for-ifl
    </intf-cos-burst-size-for-ifl>
  </interface-cos-summary>
</queue-counters>
</logical-interface>
</interface-policer-information>
```

**Description** Summary of forwarding class and queue information on an interface

### <interface-cos-summary>

#### Usage

```
<interface-policer-information>
<logical-interface>
<ingress-queue-counters>
  <interface-cos-summary>
    <intf-cos-forwarding-classes-supported>
      intf-cos-forwarding-classes-supported
    </intf-cos-forwarding-classes-supported>
    <intf-cos-forwarding-classes-in-use>
      intf-cos-forwarding-classes-in-use
    </intf-cos-forwarding-classes-in-use>
    <intf-cos-queue-type>
      intf-cos-queue-type
```



```

</intf-cos-queue-type>
<intf-cos-num-queues-supported>
  intf-cos-num-queues-supported
</intf-cos-num-queues-supported>
<intf-cos-num-queues-in-use>
  intf-cos-num-queues-in-use
</intf-cos-num-queues-in-use>
<intf-cos-burst-size-for-ift>
  intf-cos-burst-size-for-ift
</intf-cos-burst-size-for-ift>
</interface-cos-summary>
</ingress-queue-counters>
</logical-interface>
</interface-policer-information>

```

**Description** Summary of forwarding class and queue information on an interface

### <interface-filter-information>

#### Usage

```

<interface-filter-information>
  <physical-interface>....</physical-interface>
  <logical-interface>....</logical-interface>
</interface-filter-information>

```

#### Description

### <interface-information>

#### Usage

```

<interface-information>
  <physical-interface>....</physical-interface>
  <logical-interface>....</logical-interface>
  <controller>....</controller>
  <interface-set>....</interface-set>
  <docsis-information>....</docsis-information>
</interface-information>

```

#### Description

### <interface-location-name-information>

#### Usage

```

<interface-location-name-information>
  <location-name-information>....</location-name-information>
</interface-location-name-information>

```

#### Description

## <interface-location-slot-information>

### Usage

```
<interface-location-slot-information>
  <location-slot-information>....</location-slot-information>
</interface-location-slot-information>
```

### Description

## <interface-policer-information>

### Usage

```
<interface-policer-information>
  <physical-interface>....</physical-interface>
  <logical-interface>....</logical-interface>
</interface-policer-information>
```

### Description

## <interface-set>

### Usage

```
<interface-set>
  <name>
    name
  </name>
  <interface-set-index>
    interface-set-index
  </interface-set-index>
  <interface-set-member-list>....</interface-set-member-list>
  <traffic-statistics>....</traffic-statistics>
  <interface-set-queue-information>....</interface-set-queue-information>
</interface-set>
```

### Description

## <interface-set>

### Usage

```
<interface-information>
  <interface-set>
    <name>
      name
    </name>
    <interface-set-index>
      interface-set-index
    </interface-set-index>
    <interface-set-member-list>....</interface-set-member-list>
    <traffic-statistics>....</traffic-statistics>
    <interface-set-queue-information>....</interface-set-queue-information>
  </interface-set>
```

</interface-information>

#### Description

### <interface-set-member-list>

#### Usage

```
<interface-set>
  <interface-set-member-list>
    <interface-set-member>
      interface-set-member
    </interface-set-member>
  </interface-set-member-list>
</interface-set>
```

#### Description

### <interface-set-member-list>

#### Usage

```
<interface-information>
  <interface-set>
    <interface-set-member-list>
      <interface-set-member>
        interface-set-member
      </interface-set-member>
    </interface-set-member-list>
  </interface-set>
</interface-information>
```

#### Description

### <interface-set-queue-information>

#### Usage

```
<interface-set>
  <interface-set-queue-information>
    <queue-counters>....</queue-counters>
    <ingress-queue-counters>....</ingress-queue-counters>
  </interface-set-queue-information>
</interface-set>
```

#### Description

### <interface-set-queue-information>

#### Usage

```
<interface-information>
  <interface-set>
    <interface-set-queue-information>
      <queue-counters>....</queue-counters>
      <ingress-queue-counters>....</ingress-queue-counters>
    </interface-set-queue-information>
  </interface-set>
```

```
</interface-set-queue-information>
</interface-set>
</interface-information>
```

#### Description

### <interface-tx-queue>

#### Usage

```
<ct3-information>
  <interface-tx-queue>
    <name>
      name
    </name>
    <bandwidth>
      bandwidth
    </bandwidth>
    <wrr>
      wrr
    </wrr>
    <output-packets>
      output-packets
    </output-packets>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-drops>
      output-drops
    </output-drops>
    <output-drops-bytes>
      output-drops-bytes
    </output-drops-bytes>
    <output-errors>
      output-errors
    </output-errors>
  </interface-tx-queue>
</ct3-information>
```

#### Description

### <interface-tx-queue>

#### Usage

```
<cds1-information>
  <interface-tx-queue>
    <name>
      name
    </name>
    <bandwidth>
      bandwidth
    </bandwidth>
    <wrr>
      wrr
    </wrr>
```

```

<output-packets>
  output-packets
</output-packets>
<output-bytes>
  output-bytes
</output-bytes>
<output-drops>
  output-drops
</output-drops>
<output-drops-bytes>
  output-drops-bytes
</output-drops-bytes>
<output-errors>
  output-errors
</output-errors>
</interface-tx-queue>
</cdsl-information>

```

#### Description

<interface-tx-queue>

#### Usage

```

<nxdsl-information>
  <interface-tx-queue>
    <name>
      name
    </name>
    <bandwidth>
      bandwidth
    </bandwidth>
    <wrr>
      wrr
    </wrr>
    <output-packets>
      output-packets
    </output-packets>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-drops>
      output-drops
    </output-drops>
    <output-drops-bytes>
      output-drops-bytes
    </output-drops-bytes>
    <output-errors>
      output-errors
    </output-errors>
  </interface-tx-queue>
</nxdsl-information>

```

#### Description

## <interface-tx-queue>

### Usage

```
<physical-interface>
  <ct3-information>
    <interface-tx-queue>
      <name>
        name
      </name>
      <bandwidth>
        bandwidth
      </bandwidth>
      <wrr>
        wrr
      </wrr>
      <output-packets>
        output-packets
      </output-packets>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-drops>
        output-drops
      </output-drops>
      <output-drops-bytes>
        output-drops-bytes
      </output-drops-bytes>
      <output-errors>
        output-errors
      </output-errors>
    </interface-tx-queue>
  </ct3-information>
</physical-interface>
```

### Description

## <interface-tx-queue>

### Usage

```
<physical-interface>
  <cds1-information>
    <interface-tx-queue>
      <name>
        name
      </name>
      <bandwidth>
        bandwidth
      </bandwidth>
      <wrr>
        wrr
      </wrr>
      <output-packets>
        output-packets
      </output-packets>
```

```

<output-bytes>
  output-bytes
</output-bytes>
<output-drops>
  output-drops
</output-drops>
<output-drops-bytes>
  output-drops-bytes
</output-drops-bytes>
<output-errors>
  output-errors
</output-errors>
</interface-tx-queue>
</cds1-information>
</physical-interface>

```

### Description

<interface-tx-queue>

### Usage

```

<physical-interface>
  <nxd0-information>
    <interface-tx-queue>
      <name>
        name
      </name>
      <bandwidth>
        bandwidth
      </bandwidth>
      <wrr>
        wrr
      </wrr>
      <output-packets>
        output-packets
      </output-packets>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-drops>
        output-drops
      </output-drops>
      <output-drops-bytes>
        output-drops-bytes
      </output-drops-bytes>
      <output-errors>
        output-errors
      </output-errors>
    </interface-tx-queue>
  </nxd0-information>
</physical-interface>

```

### Description

## <interface-tx-queue>

### Usage

```
<interface-information>
  <physical-interface>
    <ct3-information>
      <interface-tx-queue>
        <name>
          name
        </name>
        <bandwidth>
          bandwidth
        </bandwidth>
        <wrr>
          wrr
        </wrr>
        <output-packets>
          output-packets
        </output-packets>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-drops>
          output-drops
        </output-drops>
        <output-drops-bytes>
          output-drops-bytes
        </output-drops-bytes>
        <output-errors>
          output-errors
        </output-errors>
      </interface-tx-queue>
    </ct3-information>
  </physical-interface>
</interface-information>
```

### Description

## <interface-tx-queue>

### Usage

```
<interface-information>
  <physical-interface>
    <cds1-information>
      <interface-tx-queue>
        <name>
          name
        </name>
        <bandwidth>
          bandwidth
        </bandwidth>
        <wrr>
          wrr
        </wrr>
```



```

    <output-packets>
      output-packets
    </output-packets>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-drops>
      output-drops
    </output-drops>
    <output-drops-bytes>
      output-drops-bytes
    </output-drops-bytes>
    <output-errors>
      output-errors
    </output-errors>
  </interface-tx-queue>
</cdsl-information>
</physical-interface>
</interface-information>

```

## Description

### <interface-tx-queue>

#### Usage

```

<interface-information>
  <physical-interface>
    <nxdsl-information>
      <interface-tx-queue>
        <name>
          name
        </name>
        <bandwidth>
          bandwidth
        </bandwidth>
        <wrr>
          wrr
        </wrr>
        <output-packets>
          output-packets
        </output-packets>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-drops>
          output-drops
        </output-drops>
        <output-drops-bytes>
          output-drops-bytes
        </output-drops-bytes>
        <output-errors>
          output-errors
        </output-errors>
      </interface-tx-queue>
    </nxdsl-information>
  </physical-interface>
</interface-information>

```

```
</physical-interface>
</interface-information>
```

#### Description

**<interface-tx-queue>**

#### Usage

```
<interface-filter-information>
<physical-interface>
  <ct3-information>
    <interface-tx-queue>
      <name>
        name
      </name>
      <bandwidth>
        bandwidth
      </bandwidth>
      <wrr>
        wrr
      </wrr>
      <output-packets>
        output-packets
      </output-packets>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-drops>
        output-drops
      </output-drops>
      <output-drops-bytes>
        output-drops-bytes
      </output-drops-bytes>
      <output-errors>
        output-errors
      </output-errors>
    </interface-tx-queue>
  </ct3-information>
</physical-interface>
</interface-filter-information>
```

#### Description

**<interface-tx-queue>**

#### Usage

```
<interface-filter-information>
<physical-interface>
  <cds1-information>
    <interface-tx-queue>
      <name>
        name
      </name>
      <bandwidth>
```

```

    bandwidth
  </bandwidth>
  <wrr>
    wrr
  </wrr>
  <output-packets>
    output-packets
  </output-packets>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-drops>
    output-drops
  </output-drops>
  <output-drops-bytes>
    output-drops-bytes
  </output-drops-bytes>
  <output-errors>
    output-errors
  </output-errors>
</interface-tx-queue>
</cdsl-information>
</physical-interface>
</interface-filter-information>

```

## Description

### <interface-tx-queue>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <nxdsl-information>
      <interface-tx-queue>
        <name>
          name
        </name>
        <bandwidth>
          bandwidth
        </bandwidth>
        <wrr>
          wrr
        </wrr>
        <output-packets>
          output-packets
        </output-packets>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-drops>
          output-drops
        </output-drops>
        <output-drops-bytes>
          output-drops-bytes
        </output-drops-bytes>
      </interface-tx-queue>
    </nxdsl-information>
  </physical-interface>
</interface-filter-information>

```

```
<output-errors>
  output-errors
</output-errors>
</interface-tx-queue>
</nxds0-information>
</physical-interface>
</interface-filter-information>
```

#### Description

### <interface-tx-queue>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <ct3-information>
    <interface-tx-queue>
      <name>
        name
      </name>
      <bandwidth>
        bandwidth
      </bandwidth>
      <wrr>
        wrr
      </wrr>
      <output-packets>
        output-packets
      </output-packets>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-drops>
        output-drops
      </output-drops>
      <output-drops-bytes>
        output-drops-bytes
      </output-drops-bytes>
      <output-errors>
        output-errors
      </output-errors>
    </interface-tx-queue>
  </ct3-information>
</physical-interface>
</interface-policer-information>
```

#### Description

### <interface-tx-queue>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <cds1-information>
```

```

<interface-tx-queue>
  <name>
    name
  </name>
  <bandwidth>
    bandwidth
  </bandwidth>
  <wrr>
    wrr
  </wrr>
  <output-packets>
    output-packets
  </output-packets>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-drops>
    output-drops
  </output-drops>
  <output-drops-bytes>
    output-drops-bytes
  </output-drops-bytes>
  <output-errors>
    output-errors
  </output-errors>
</interface-tx-queue>
</cds1-information>
</physical-interface>
</interface-policer-information>

```

## Description

### <interface-tx-queue>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <nxd0-information>
      <interface-tx-queue>
        <name>
          name
        </name>
        <bandwidth>
          bandwidth
        </bandwidth>
        <wrr>
          wrr
        </wrr>
        <output-packets>
          output-packets
        </output-packets>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-drops>

```

```
        output-drops
      </output-drops>
    <output-drops-bytes>
      output-drops-bytes
    </output-drops-bytes>
    <output-errors>
      output-errors
    </output-errors>
  </interface-tx-queue>
</nxds0-information>
</physical-interface>
</interface-policer-information>
```

**Description**

<interval>

**Usage**

```
<interval-information>
  <interval>
    <range>
      range
    </range>
    <media-alarm>....</media-alarm>
  </interval>
</interval-information>
```

**Description** Statistics for a single interval

<interval>

**Usage**

```
<physical-interface>
  <interval-information>
    <interval>
      <range>
        range
      </range>
      <media-alarm>....</media-alarm>
    </interval>
  </interval-information>
</physical-interface>
```

**Description** Statistics for a single interval

<interval>

**Usage**

```
<interface-information>
  <physical-interface>
    <interval-information>
```

```

<interval>
  <range>
    range
  </range>
  <media-alarm>....</media-alarm>
</interval>
</interval-information>
</physical-interface>
</interface-information>

```

**Description** Statistics for a single interval

## <interval>

### Usage

```

<interface-filter-information>
<physical-interface>
  <interval-information>
    <interval>
      <range>
        range
      </range>
      <media-alarm>....</media-alarm>
    </interval>
  </interval-information>
</physical-interface>
</interface-filter-information>

```

**Description** Statistics for a single interval

## <interval>

### Usage

```

<interface-policer-information>
<physical-interface>
  <interval-information>
    <interval>
      <range>
        range
      </range>
      <media-alarm>....</media-alarm>
    </interval>
  </interval-information>
</physical-interface>
</interface-policer-information>

```

**Description** Statistics for a single interval

## <interval-information>

### Usage

```
<interval-information>
  <interval>....</interval>
</interval-information>
```

### Description

## <interval-information>

### Usage

```
<physical-interface>
  <interval-information>
    <interval>....</interval>
  </interval-information>
</physical-interface>
```

### Description

## <interval-information>

### Usage

```
<interface-information>
  <physical-interface>
    <interval-information>
      <interval>....</interval>
    </interval-information>
  </physical-interface>
</interface-information>
```

### Description

## <interval-information>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <interval-information>
      <interval>....</interval>
    </interval-information>
  </physical-interface>
</interface-filter-information>
```

### Description

## <interval-information>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <interval-information>
```



```

    <interval>....</interval>
  </interval-information>
</physical-interface>
</interface-policer-information>

```

## Description

### <ipv4-multicast-statistics>

#### Usage

```

<multicast-statistics>
  <ipv4-multicast-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-packets>
      output-packets
    </output-packets>
    <output-pps>
      output-pps
    </output-pps>
  </ipv4-multicast-statistics>
</multicast-statistics>

```

**Description** IPv4 multicast statistics for interface

### <ipv4-multicast-statistics>

#### Usage

```

<logical-interface>
  <multicast-statistics>
    <ipv4-multicast-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
    </ipv4-multicast-statistics>
  </multicast-statistics>
</logical-interface>

```

```
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
<input-packets>
  input-packets
</input-packets>
<input-pps>
  input-pps
</input-pps>
<output-packets>
  output-packets
</output-packets>
<output-pps>
  output-pps
</output-pps>
</ipv4-multicast-statistics>
</multicast-statistics>
</logical-interface>
```

**Description** IPv4 multicast statistics for interface

### <ipv4-multicast-statistics>

#### Usage

```
<physical-interface>
<multicast-statistics>
  <ipv4-multicast-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-packets>
      output-packets
    </output-packets>
    <output-pps>
      output-pps
    </output-pps>
```

```

    </ipv4-multicast-statistics>
  </multicast-statistics>
</physical-interface>

```

**Description** IPv4 multicast statistics for interface

### <ipv4-multicast-statistics>

#### Usage

```

<physical-interface>
<logical-interface>
  <multicast-statistics>
    <ipv4-multicast-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
      <input-packets>
        input-packets
      </input-packets>
      <input-pps>
        input-pps
      </input-pps>
      <output-packets>
        output-packets
      </output-packets>
      <output-pps>
        output-pps
      </output-pps>
    </ipv4-multicast-statistics>
  </multicast-statistics>
</logical-interface>
</physical-interface>

```

**Description** IPv4 multicast statistics for interface

### <ipv4-multicast-statistics>

#### Usage

```

<interface-information>
  <physical-interface>
    <multicast-statistics>
      <ipv4-multicast-statistics>
        <input-bytes>

```

```
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-bps>
    output-bps
  </output-bps>
  <input-packets>
    input-packets
  </input-packets>
  <input-pps>
    input-pps
  </input-pps>
  <output-packets>
    output-packets
  </output-packets>
  <output-pps>
    output-pps
  </output-pps>
</ipv4-multicast-statistics>
</multicast-statistics>
</physical-interface>
</interface-information>
```

**Description** IPv4 multicast statistics for interface

### <ipv4-multicast-statistics>

#### Usage

```
<interface-information>
  <physical-interface>
  <logical-interface>
    <multicast-statistics>
      <ipv4-multicast-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
        <input-packets>
          input-packets
        </input-packets>
        <input-pps>
```

```

        input-pps
      </input-pps>
    <output-packets>
      output-packets
    </output-packets>
    <output-pps>
      output-pps
    </output-pps>
  </ipv4-multicast-statistics>
</multicast-statistics>
</logical-interface>
</physical-interface>
</interface-information>

```

**Description** IPv4 multicast statistics for interface

### <ipv4-multicast-statistics>

#### Usage

```

<interface-information>
  <logical-interface>
    <multicast-statistics>
      <ipv4-multicast-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
        <input-packets>
          input-packets
        </input-packets>
        <input-pps>
          input-pps
        </input-pps>
        <output-packets>
          output-packets
        </output-packets>
        <output-pps>
          output-pps
        </output-pps>
      </ipv4-multicast-statistics>
    </multicast-statistics>
  </logical-interface>
</interface-information>

```

**Description** IPv4 multicast statistics for interface

## <ipv4-multicast-statistics>

### Usage

```
<interface-filter-information>
<physical-interface>
  <multicast-statistics>
    <ipv4-multicast-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
      <input-packets>
        input-packets
      </input-packets>
      <input-pps>
        input-pps
      </input-pps>
      <output-packets>
        output-packets
      </output-packets>
      <output-pps>
        output-pps
      </output-pps>
    </ipv4-multicast-statistics>
  </multicast-statistics>
</physical-interface>
</interface-filter-information>
```

**Description** IPv4 multicast statistics for interface

## <ipv4-multicast-statistics>

### Usage

```
<interface-filter-information>
<physical-interface>
  <logical-interface>
    <multicast-statistics>
      <ipv4-multicast-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-bytes>
```

```

        output-bytes
      </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-packets>
      output-packets
    </output-packets>
    <output-pps>
      output-pps
    </output-pps>
  </ipv4-multicast-statistics>
</multicast-statistics>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

**Description** IPv4 multicast statistics for interface

### <ipv4-multicast-statistics>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <multicast-statistics>
      <ipv4-multicast-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
        <input-packets>
          input-packets
        </input-packets>
        <input-pps>
          input-pps
        </input-pps>
        <output-packets>
          output-packets
        </output-packets>
        <output-pps>

```

```
        output-pps
      </output-pps>
    </ipv4-multicast-statistics>
  </multicast-statistics>
</logical-interface>
</interface-filter-information>
```

**Description** IPV4 multicast statistics for interface

### <ipv4-multicast-statistics>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <multicast-statistics>
    <ipv4-multicast-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
      <input-packets>
        input-packets
      </input-packets>
      <input-pps>
        input-pps
      </input-pps>
      <output-packets>
        output-packets
      </output-packets>
      <output-pps>
        output-pps
      </output-pps>
    </ipv4-multicast-statistics>
  </multicast-statistics>
</physical-interface>
</interface-policer-information>
```

**Description** IPV4 multicast statistics for interface

### <ipv4-multicast-statistics>

#### Usage

```
<interface-policer-information>
<physical-interface>
```



```

<logical-interface>
  <multicast-statistics>
    <ipv4-multicast-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
      <input-packets>
        input-packets
      </input-packets>
      <input-pps>
        input-pps
      </input-pps>
      <output-packets>
        output-packets
      </output-packets>
      <output-pps>
        output-pps
      </output-pps>
    </ipv4-multicast-statistics>
  </multicast-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** IPv4 multicast statistics for interface

### <ipv4-multicast-statistics>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <multicast-statistics>
      <ipv4-multicast-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </ipv4-multicast-statistics>
    </multicast-statistics>
  </logical-interface>
</interface-policer-information>

```

```
<input-packets>
  input-packets
</input-packets>
<input-pps>
  input-pps
</input-pps>
<output-packets>
  output-packets
</output-packets>
<output-pps>
  output-pps
</output-pps>
</ipv4-multicast-statistics>
</multicast-statistics>
</logical-interface>
</interface-policer-information>
```

**Description** IPv4 multicast statistics for interface

### <ipv6-multicast-statistics>

#### Usage

```
<multicast-statistics>
  <ipv6-multicast-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-packets>
      output-packets
    </output-packets>
    <output-pps>
      output-pps
    </output-pps>
  </ipv6-multicast-statistics>
</multicast-statistics>
```

**Description** IPv6 multicast statistics for interface

**<ipv6-multicast-statistics>****Usage**

```

<logical-interface>
  <multicast-statistics>
    <ipv6-multicast-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
      <input-packets>
        input-packets
      </input-packets>
      <input-pps>
        input-pps
      </input-pps>
      <output-packets>
        output-packets
      </output-packets>
      <output-pps>
        output-pps
      </output-pps>
    </ipv6-multicast-statistics>
  </multicast-statistics>
</logical-interface>

```

**Description** IPv6 multicast statistics for interface

**<ipv6-multicast-statistics>****Usage**

```

<physical-interface>
  <multicast-statistics>
    <ipv6-multicast-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps

```

```
</output-bps>
<input-packets>
  input-packets
</input-packets>
<input-pps>
  input-pps
</input-pps>
<output-packets>
  output-packets
</output-packets>
<output-pps>
  output-pps
</output-pps>
</ipv6-multicast-statistics>
</multicast-statistics>
</physical-interface>
```

**Description** IPv6 multicast statistics for interface

### <ipv6-multicast-statistics>

#### Usage

```
<physical-interface>
<logical-interface>
  <multicast-statistics>
    <ipv6-multicast-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
      <input-packets>
        input-packets
      </input-packets>
      <input-pps>
        input-pps
      </input-pps>
      <output-packets>
        output-packets
      </output-packets>
      <output-pps>
        output-pps
      </output-pps>
    </ipv6-multicast-statistics>
  </multicast-statistics>
</logical-interface>
```

```
</physical-interface>
```

**Description** IPv6 multicast statistics for interface

### <ipv6-multicast-statistics>

#### Usage

```
<interface-information>
  <physical-interface>
    <multicast-statistics>
      <ipv6-multicast-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
        <input-packets>
          input-packets
        </input-packets>
        <input-pps>
          input-pps
        </input-pps>
        <output-packets>
          output-packets
        </output-packets>
        <output-pps>
          output-pps
        </output-pps>
      </ipv6-multicast-statistics>
    </multicast-statistics>
  </physical-interface>
</interface-information>
```

**Description** IPv6 multicast statistics for interface

### <ipv6-multicast-statistics>

#### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <multicast-statistics>
        <ipv6-multicast-statistics>
          <input-bytes>
            input-bytes
```

```
</input-bytes>
<input-bps>
  input-bps
</input-bps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
<input-packets>
  input-packets
</input-packets>
<input-pps>
  input-pps
</input-pps>
<output-packets>
  output-packets
</output-packets>
<output-pps>
  output-pps
</output-pps>
</ipv6-multicast-statistics>
</multicast-statistics>
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** IPv6 multicast statistics for interface

### <ipv6-multicast-statistics>

#### Usage

```
<interface-information>
<logical-interface>
  <multicast-statistics>
    <ipv6-multicast-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
      <input-packets>
        input-packets
      </input-packets>
      <input-pps>
        input-pps
```

```

</input-pps>
<output-packets>
  output-packets
</output-packets>
<output-pps>
  output-pps
</output-pps>
</ipv6-multicast-statistics>
</multicast-statistics>
</logical-interface>
</interface-information>

```

**Description** IPv6 multicast statistics for interface

### <ipv6-multicast-statistics>

#### Usage

```

<interface-filter-information>
<physical-interface>
<multicast-statistics>
  <ipv6-multicast-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-packets>
      output-packets
    </output-packets>
    <output-pps>
      output-pps
    </output-pps>
  </ipv6-multicast-statistics>
</multicast-statistics>
</physical-interface>
</interface-filter-information>

```

**Description** IPv6 multicast statistics for interface

## <ipv6-multicast-statistics>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <multicast-statistics>
        <ipv6-multicast-statistics>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-bytes>
            output-bytes
          </output-bytes>
          <output-bps>
            output-bps
          </output-bps>
          <input-packets>
            input-packets
          </input-packets>
          <input-pps>
            input-pps
          </input-pps>
          <output-packets>
            output-packets
          </output-packets>
          <output-pps>
            output-pps
          </output-pps>
        </ipv6-multicast-statistics>
      </multicast-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description**    IPV6 multicast statistics for interface

## <ipv6-multicast-statistics>

### Usage

```
<interface-filter-information>
  <logical-interface>
    <multicast-statistics>
      <ipv6-multicast-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
```



```

    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-packets>
      output-packets
    </output-packets>
    <output-pps>
      output-pps
    </output-pps>
  </ipv6-multicast-statistics>
</multicast-statistics>
</logical-interface>
</interface-filter-information>

```

**Description** IPv6 multicast statistics for interface

### <ipv6-multicast-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <multicast-statistics>
      <ipv6-multicast-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
        <input-packets>
          input-packets
        </input-packets>
        <input-pps>
          input-pps
        </input-pps>
        <output-packets>
          output-packets
        </output-packets>
        <output-pps>

```

```
        output-pps
      </output-pps>
    </ipv6-multicast-statistics>
  </multicast-statistics>
</physical-interface>
</interface-policer-information>
```

**Description** IPV6 multicast statistics for interface

### <ipv6-multicast-statistics>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
<multicast-statistics>
  <ipv6-multicast-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-packets>
      output-packets
    </output-packets>
    <output-pps>
      output-pps
    </output-pps>
  </ipv6-multicast-statistics>
</multicast-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

**Description** IPV6 multicast statistics for interface

### <ipv6-multicast-statistics>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <multicast-statistics>
      <ipv6-multicast-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
        <input-packets>
          input-packets
        </input-packets>
        <input-pps>
          input-pps
        </input-pps>
        <output-packets>
          output-packets
        </output-packets>
        <output-pps>
          output-pps
        </output-pps>
      </ipv6-multicast-statistics>
    </multicast-statistics>
  </logical-interface>
</interface-policer-information>

```

**Description** IPv6 multicast statistics for interface

### <ipv6-total-statistics>

#### Usage

```

<traffic-statistics>
  <ipv6-total-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>

```

```
        output-packets
      </output-packets>
    </ipv6-total-statistics>
  </traffic-statistics>
```

#### Description

### <ipv6-total-statistics>

#### Usage

```
<transit-traffic-statistics>
  <ipv6-total-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-total-statistics>
</transit-traffic-statistics>
```

#### Description

### <ipv6-total-statistics>

#### Usage

```
<virtual-circuit-information>
  <traffic-statistics>
    <ipv6-total-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>
        output-packets
      </output-packets>
    </ipv6-total-statistics>
  </traffic-statistics>
</virtual-circuit-information>
```

#### Description

**<ipv6-total-statistics>****Usage**

```

<virtual-path-information>
  <traffic-statistics>
    <ipv6-total-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>
        output-packets
      </output-packets>
    </ipv6-total-statistics>
  </traffic-statistics>
</virtual-path-information>

```

**Description****<ipv6-total-statistics>****Usage**

```

<logical-interface>
  <traffic-statistics>
    <ipv6-total-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>
        output-packets
      </output-packets>
    </ipv6-total-statistics>
  </traffic-statistics>
</logical-interface>

```

**Description****<ipv6-total-statistics>****Usage**

```

<logical-interface>
  <transit-traffic-statistics>

```

```
<ipv6-total-statistics>
  <input-bytes>
    input-bytes
  </input-bytes>
  <output-bytes>
    output-bytes
  </output-bytes>
  <input-packets>
    input-packets
  </input-packets>
  <output-packets>
    output-packets
  </output-packets>
</ipv6-total-statistics>
</transit-traffic-statistics>
</logical-interface>
```

#### Description

<ipv6-total-statistics>

#### Usage

```
<logical-interface>
  <virtual-circuit-information>
    <traffic-statistics>
      <ipv6-total-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-packets>
          input-packets
        </input-packets>
        <output-packets>
          output-packets
        </output-packets>
      </ipv6-total-statistics>
    </traffic-statistics>
  </virtual-circuit-information>
</logical-interface>
```

#### Description

<ipv6-total-statistics>

#### Usage

```
<physical-interface>
  <traffic-statistics>
    <ipv6-total-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
```

```

    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-total-statistics>
</traffic-statistics>
</physical-interface>

```

### Description

#### <ipv6-total-statistics>

#### Usage

```

<physical-interface>
<virtual-path-information>
<traffic-statistics>
  <ipv6-total-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-total-statistics>
</traffic-statistics>
</virtual-path-information>
</physical-interface>

```

### Description

#### <ipv6-total-statistics>

#### Usage

```

<physical-interface>
<logical-interface>
<traffic-statistics>
  <ipv6-total-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
  </ipv6-total-statistics>
</traffic-statistics>
</logical-interface>
</physical-interface>

```

```
<input-packets>
  input-packets
</input-packets>
<output-packets>
  output-packets
</output-packets>
</ipv6-total-statistics>
</traffic-statistics>
</logical-interface>
</physical-interface>
```

#### Description

**<ipv6-total-statistics>**

#### Usage

```
<physical-interface>
<logical-interface>
<transit-traffic-statistics>
  <ipv6-total-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-total-statistics>
</transit-traffic-statistics>
</logical-interface>
</physical-interface>
```

#### Description

**<ipv6-total-statistics>**

#### Usage

```
<physical-interface>
<logical-interface>
<virtual-circuit-information>
  <traffic-statistics>
    <ipv6-total-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-packets>
```



```

        input-packets
      </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-total-statistics>
</traffic-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>

```

#### Description

### <ipv6-total-statistics>

#### Usage

```

<interface-set>
  <traffic-statistics>
    <ipv6-total-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>
        output-packets
      </output-packets>
    </ipv6-total-statistics>
  </traffic-statistics>
</interface-set>

```

#### Description

### <ipv6-total-statistics>

#### Usage

```

<interface-information>
  <physical-interface>
    <traffic-statistics>
      <ipv6-total-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-packets>
          input-packets
        </input-packets>
        <output-packets>

```

```
        output-packets
      </output-packets>
    </ipv6-total-statistics>
  </traffic-statistics>
</physical-interface>
</interface-information>
```

#### Description

### <ipv6-total-statistics>

#### Usage

```
<interface-information>
  <physical-interface>
    <virtual-path-information>
      <traffic-statistics>
        <ipv6-total-statistics>
          <input-bytes>
            input-bytes
          </input-bytes>
          <output-bytes>
            output-bytes
          </output-bytes>
          <input-packets>
            input-packets
          </input-packets>
          <output-packets>
            output-packets
          </output-packets>
        </ipv6-total-statistics>
      </traffic-statistics>
    </virtual-path-information>
  </physical-interface>
</interface-information>
```

#### Description

### <ipv6-total-statistics>

#### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <traffic-statistics>
        <ipv6-total-statistics>
          <input-bytes>
            input-bytes
          </input-bytes>
          <output-bytes>
            output-bytes
          </output-bytes>
          <input-packets>
            input-packets
          </input-packets>
```

```

    <output-packets>
      output-packets
    </output-packets>
  </ipv6-total-statistics>
</traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>

```

#### Description

### <ipv6-total-statistics>

#### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <transit-traffic-statistics>
        <ipv6-total-statistics>
          <input-bytes>
            input-bytes
          </input-bytes>
          <output-bytes>
            output-bytes
          </output-bytes>
          <input-packets>
            input-packets
          </input-packets>
          <output-packets>
            output-packets
          </output-packets>
        </ipv6-total-statistics>
      </transit-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-information>

```

#### Description

### <ipv6-total-statistics>

#### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <traffic-statistics>
          <ipv6-total-statistics>
            <input-bytes>
              input-bytes
            </input-bytes>
            <output-bytes>
              output-bytes
            </output-bytes>
          </ipv6-total-statistics>
        </traffic-statistics>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-information>

```

```
<input-packets>
  input-packets
</input-packets>
<output-packets>
  output-packets
</output-packets>
</ipv6-total-statistics>
</traffic-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-information>
```

#### Description

**<ipv6-total-statistics>**

#### Usage

```
<interface-information>
<logical-interface>
<traffic-statistics>
  <ipv6-total-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-total-statistics>
</traffic-statistics>
</logical-interface>
</interface-information>
```

#### Description

**<ipv6-total-statistics>**

#### Usage

```
<interface-information>
<logical-interface>
<transit-traffic-statistics>
  <ipv6-total-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
```

```

    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-total-statistics>
</transit-traffic-statistics>
</logical-interface>
</interface-information>

```

### Description

#### <ipv6-total-statistics>

#### Usage

```

<interface-information>
  <logical-interface>
    <virtual-circuit-information>
      <traffic-statistics>
        <ipv6-total-statistics>
          <input-bytes>
            input-bytes
          </input-bytes>
          <output-bytes>
            output-bytes
          </output-bytes>
          <input-packets>
            input-packets
          </input-packets>
          <output-packets>
            output-packets
          </output-packets>
        </ipv6-total-statistics>
      </traffic-statistics>
    </virtual-circuit-information>
  </logical-interface>
</interface-information>

```

### Description

#### <ipv6-total-statistics>

#### Usage

```

<interface-information>
  <interface-set>
    <traffic-statistics>
      <ipv6-total-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
      </ipv6-total-statistics>
    </traffic-statistics>
  </interface-set>
</interface-information>

```

```
<input-packets>
  input-packets
</input-packets>
<output-packets>
  output-packets
</output-packets>
</ipv6-total-statistics>
</traffic-statistics>
</interface-set>
</interface-information>
```

#### Description

### <ipv6-total-statistics>

#### Usage

```
<interface-filter-information>
<physical-interface>
<traffic-statistics>
  <ipv6-total-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-total-statistics>
</traffic-statistics>
</physical-interface>
</interface-filter-information>
```

#### Description

### <ipv6-total-statistics>

#### Usage

```
<interface-filter-information>
<physical-interface>
<virtual-path-information>
<traffic-statistics>
  <ipv6-total-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
```

```

        input-packets
      </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-total-statistics>
</traffic-statistics>
</virtual-path-information>
</physical-interface>
</interface-filter-information>

```

### Description

#### <ipv6-total-statistics>

##### Usage

```

<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <traffic-statistics>
      <ipv6-total-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-packets>
          input-packets
        </input-packets>
        <output-packets>
          output-packets
        </output-packets>
      </ipv6-total-statistics>
    </traffic-statistics>
  </logical-interface>
</physical-interface>
</interface-filter-information>

```

### Description

#### <ipv6-total-statistics>

##### Usage

```

<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <transit-traffic-statistics>
      <ipv6-total-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes

```

```
</output-bytes>
<input-packets>
  input-packets
</input-packets>
<output-packets>
  output-packets
</output-packets>
</ipv6-total-statistics>
</transit-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

#### Description

### <ipv6-total-statistics>

#### Usage

```
<interface-filter-information>
<physical-interface>
<logical-interface>
  <virtual-circuit-information>
    <traffic-statistics>
      <ipv6-total-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-packets>
          input-packets
        </input-packets>
        <output-packets>
          output-packets
        </output-packets>
      </ipv6-total-statistics>
    </traffic-statistics>
  </virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

#### Description

### <ipv6-total-statistics>

#### Usage

```
<interface-filter-information>
<logical-interface>
  <traffic-statistics>
    <ipv6-total-statistics>
      <input-bytes>
        input-bytes
```



```

</input-bytes>
<output-bytes>
  output-bytes
</output-bytes>
<input-packets>
  input-packets
</input-packets>
<output-packets>
  output-packets
</output-packets>
</ipv6-total-statistics>
</traffic-statistics>
</logical-interface>
</interface-filter-information>

```

### Description

<ipv6-total-statistics>

### Usage

```

<interface-filter-information>
<logical-interface>
  <transit-traffic-statistics>
    <ipv6-total-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>
        output-packets
      </output-packets>
    </ipv6-total-statistics>
  </transit-traffic-statistics>
</logical-interface>
</interface-filter-information>

```

### Description

<ipv6-total-statistics>

### Usage

```

<interface-filter-information>
<logical-interface>
  <virtual-circuit-information>
    <traffic-statistics>
      <ipv6-total-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>

```

```
<output-bytes>
  output-bytes
</output-bytes>
<input-packets>
  input-packets
</input-packets>
<output-packets>
  output-packets
</output-packets>
</ipv6-total-statistics>
</traffic-statistics>
</virtual-circuit-information>
</logical-interface>
</interface-filter-information>
```

#### Description

<ipv6-total-statistics>

#### Usage

```
<interface-policer-information>
<physical-interface>
<traffic-statistics>
  <ipv6-total-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-total-statistics>
</traffic-statistics>
</physical-interface>
</interface-policer-information>
```

#### Description

<ipv6-total-statistics>

#### Usage

```
<interface-policer-information>
<physical-interface>
<virtual-path-information>
<traffic-statistics>
  <ipv6-total-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
```

```

    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-total-statistics>
</traffic-statistics>
</virtual-path-information>
</physical-interface>
</interface-policer-information>

```

#### Description

<ipv6-total-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <traffic-statistics>
        <ipv6-total-statistics>
          <input-bytes>
            input-bytes
          </input-bytes>
          <output-bytes>
            output-bytes
          </output-bytes>
          <input-packets>
            input-packets
          </input-packets>
          <output-packets>
            output-packets
          </output-packets>
        </ipv6-total-statistics>
      </traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

#### Description

<ipv6-total-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <transit-traffic-statistics>
        <ipv6-total-statistics>
          <input-bytes>

```

```
        input-bytes
      </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-total-statistics>
</transit-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

#### Description

<ipv6-total-statistics>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <traffic-statistics>
          <ipv6-total-statistics>
            <input-bytes>
              input-bytes
            </input-bytes>
            <output-bytes>
              output-bytes
            </output-bytes>
            <input-packets>
              input-packets
            </input-packets>
            <output-packets>
              output-packets
            </output-packets>
          </ipv6-total-statistics>
        </traffic-statistics>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```

#### Description

<ipv6-total-statistics>

#### Usage

```
<interface-policer-information>
  <logical-interface>
```

```

<traffic-statistics>
  <ipv6-total-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-total-statistics>
</traffic-statistics>
</logical-interface>
</interface-policer-information>

```

#### Description

<ipv6-total-statistics>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <transit-traffic-statistics>
      <ipv6-total-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-packets>
          input-packets
        </input-packets>
        <output-packets>
          output-packets
        </output-packets>
      </ipv6-total-statistics>
    </transit-traffic-statistics>
  </logical-interface>
</interface-policer-information>

```

#### Description

<ipv6-total-statistics>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <virtual-circuit-information>
      <traffic-statistics>

```

```

<ipv6-total-statistics>
  <input-bytes>
    input-bytes
  </input-bytes>
  <output-bytes>
    output-bytes
  </output-bytes>
  <input-packets>
    input-packets
  </input-packets>
  <output-packets>
    output-packets
  </output-packets>
</ipv6-total-statistics>
</traffic-statistics>
</virtual-circuit-information>
</logical-interface>
</interface-policer-information>

```

#### Description

#### <ipv6-transit-statistics>

##### Usage

```

<traffic-statistics>
  <ipv6-transit-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-transit-statistics>
</traffic-statistics>

```

#### Description

#### <ipv6-transit-statistics>

##### Usage

```

<transit-traffic-statistics>
  <ipv6-transit-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
  </ipv6-transit-statistics>

```

```

<input-packets>
  input-packets
</input-packets>
<output-packets>
  output-packets
</output-packets>
</ipv6-transit-statistics>
</transit-traffic-statistics>

```

#### Description

### <ipv6-transit-statistics>

#### Usage

```

<virtual-circuit-information>
  <traffic-statistics>
    <ipv6-transit-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>
        output-packets
      </output-packets>
    </ipv6-transit-statistics>
  </traffic-statistics>
</virtual-circuit-information>

```

#### Description

### <ipv6-transit-statistics>

#### Usage

```

<virtual-path-information>
  <traffic-statistics>
    <ipv6-transit-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>
        output-packets
      </output-packets>
    </ipv6-transit-statistics>
  </traffic-statistics>
</virtual-path-information>

```

```
</traffic-statistics>
</virtual-path-information>
```

#### Description

### <ipv6-transit-statistics>

#### Usage

```
<logical-interface>
<traffic-statistics>
  <ipv6-transit-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-transit-statistics>
</traffic-statistics>
</logical-interface>
```

#### Description

### <ipv6-transit-statistics>

#### Usage

```
<logical-interface>
<transit-traffic-statistics>
  <ipv6-transit-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-transit-statistics>
</transit-traffic-statistics>
</logical-interface>
```

#### Description



**<ipv6-transit-statistics>****Usage**

```

<logical-interface>
<virtual-circuit-information>
<traffic-statistics>
  <ipv6-transit-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-transit-statistics>
</traffic-statistics>
</virtual-circuit-information>
</logical-interface>

```

**Description****<ipv6-transit-statistics>****Usage**

```

<physical-interface>
<traffic-statistics>
  <ipv6-transit-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-transit-statistics>
</traffic-statistics>
</physical-interface>

```

**Description**

## <ipv6-transit-statistics>

### Usage

```
<physical-interface>
<virtual-path-information>
<traffic-statistics>
  <ipv6-transit-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-transit-statistics>
</traffic-statistics>
</virtual-path-information>
</physical-interface>
```

### Description

## <ipv6-transit-statistics>

### Usage

```
<physical-interface>
<logical-interface>
<traffic-statistics>
  <ipv6-transit-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-transit-statistics>
</traffic-statistics>
</logical-interface>
</physical-interface>
```

### Description

**<ipv6-transit-statistics>****Usage**

```

<physical-interface>
<logical-interface>
  <transit-traffic-statistics>
    <ipv6-transit-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>
        output-packets
      </output-packets>
    </ipv6-transit-statistics>
  </transit-traffic-statistics>
</logical-interface>
</physical-interface>

```

**Description****<ipv6-transit-statistics>****Usage**

```

<physical-interface>
<logical-interface>
  <virtual-circuit-information>
    <traffic-statistics>
      <ipv6-transit-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-packets>
          input-packets
        </input-packets>
        <output-packets>
          output-packets
        </output-packets>
      </ipv6-transit-statistics>
    </traffic-statistics>
  </virtual-circuit-information>
</logical-interface>
</physical-interface>

```

**Description**

## <ipv6-transit-statistics>

### Usage

```
<interface-set>
  <traffic-statistics>
    <ipv6-transit-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>
        output-packets
      </output-packets>
    </ipv6-transit-statistics>
  </traffic-statistics>
</interface-set>
```

### Description

## <ipv6-transit-statistics>

### Usage

```
<interface-information>
  <physical-interface>
    <traffic-statistics>
      <ipv6-transit-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-packets>
          input-packets
        </input-packets>
        <output-packets>
          output-packets
        </output-packets>
      </ipv6-transit-statistics>
    </traffic-statistics>
  </physical-interface>
</interface-information>
```

### Description

## <ipv6-transit-statistics>

### Usage

```

<interface-information>
  <physical-interface>
    <virtual-path-information>
      <traffic-statistics>
        <ipv6-transit-statistics>
          <input-bytes>
            input-bytes
          </input-bytes>
          <output-bytes>
            output-bytes
          </output-bytes>
          <input-packets>
            input-packets
          </input-packets>
          <output-packets>
            output-packets
          </output-packets>
        </ipv6-transit-statistics>
      </traffic-statistics>
    </virtual-path-information>
  </physical-interface>
</interface-information>

```

### Description

## <ipv6-transit-statistics>

### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <traffic-statistics>
        <ipv6-transit-statistics>
          <input-bytes>
            input-bytes
          </input-bytes>
          <output-bytes>
            output-bytes
          </output-bytes>
          <input-packets>
            input-packets
          </input-packets>
          <output-packets>
            output-packets
          </output-packets>
        </ipv6-transit-statistics>
      </traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-information>

```

**Description****<ipv6-transit-statistics>****Usage**

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <transit-traffic-statistics>
        <ipv6-transit-statistics>
          <input-bytes>
            input-bytes
          </input-bytes>
          <output-bytes>
            output-bytes
          </output-bytes>
          <input-packets>
            input-packets
          </input-packets>
          <output-packets>
            output-packets
          </output-packets>
        </ipv6-transit-statistics>
      </transit-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-information>
```

**Description****<ipv6-transit-statistics>****Usage**

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <traffic-statistics>
          <ipv6-transit-statistics>
            <input-bytes>
              input-bytes
            </input-bytes>
            <output-bytes>
              output-bytes
            </output-bytes>
            <input-packets>
              input-packets
            </input-packets>
            <output-packets>
              output-packets
            </output-packets>
          </ipv6-transit-statistics>
        </traffic-statistics>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-information>
```

```

    </physical-interface>
  </interface-information>

```

### Description

## <ipv6-transit-statistics>

### Usage

```

<interface-information>
  <logical-interface>
    <traffic-statistics>
      <ipv6-transit-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-packets>
          input-packets
        </input-packets>
        <output-packets>
          output-packets
        </output-packets>
      </ipv6-transit-statistics>
    </traffic-statistics>
  </logical-interface>
</interface-information>

```

### Description

## <ipv6-transit-statistics>

### Usage

```

<interface-information>
  <logical-interface>
    <transit-traffic-statistics>
      <ipv6-transit-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-packets>
          input-packets
        </input-packets>
        <output-packets>
          output-packets
        </output-packets>
      </ipv6-transit-statistics>
    </transit-traffic-statistics>
  </logical-interface>

```

</interface-information>

#### Description

<ipv6-transit-statistics>

#### Usage

```
<interface-information>
  <logical-interface>
    <virtual-circuit-information>
      <traffic-statistics>
        <ipv6-transit-statistics>
          <input-bytes>
            input-bytes
          </input-bytes>
          <output-bytes>
            output-bytes
          </output-bytes>
          <input-packets>
            input-packets
          </input-packets>
          <output-packets>
            output-packets
          </output-packets>
        </ipv6-transit-statistics>
      </traffic-statistics>
    </virtual-circuit-information>
  </logical-interface>
</interface-information>
```

#### Description

<ipv6-transit-statistics>

#### Usage

```
<interface-information>
  <interface-set>
    <traffic-statistics>
      <ipv6-transit-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-packets>
          input-packets
        </input-packets>
        <output-packets>
          output-packets
        </output-packets>
      </ipv6-transit-statistics>
    </traffic-statistics>
  </interface-set>
```



```
</interface-information>
```

## Description

### <ipv6-transit-statistics>

#### Usage

```
<interface-filter-information>
<physical-interface>
<traffic-statistics>
  <ipv6-transit-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-transit-statistics>
</traffic-statistics>
</physical-interface>
</interface-filter-information>
```

## Description

### <ipv6-transit-statistics>

#### Usage

```
<interface-filter-information>
<physical-interface>
<virtual-path-information>
<traffic-statistics>
  <ipv6-transit-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-transit-statistics>
</traffic-statistics>
</virtual-path-information>
</physical-interface>
```

</interface-filter-information>

#### Description

<ipv6-transit-statistics>

#### Usage

```
<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <traffic-statistics>
      <ipv6-transit-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-packets>
          input-packets
        </input-packets>
        <output-packets>
          output-packets
        </output-packets>
      </ipv6-transit-statistics>
    </traffic-statistics>
  </logical-interface>
</physical-interface>
</interface-filter-information>
```

#### Description

<ipv6-transit-statistics>

#### Usage

```
<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <transit-traffic-statistics>
      <ipv6-transit-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-packets>
          input-packets
        </input-packets>
        <output-packets>
          output-packets
        </output-packets>
      </ipv6-transit-statistics>
    </transit-traffic-statistics>
```

```

    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

#### Description

### <ipv6-transit-statistics>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <traffic-statistics>
          <ipv6-transit-statistics>
            <input-bytes>
              input-bytes
            </input-bytes>
            <output-bytes>
              output-bytes
            </output-bytes>
            <input-packets>
              input-packets
            </input-packets>
            <output-packets>
              output-packets
            </output-packets>
          </ipv6-transit-statistics>
        </traffic-statistics>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

#### Description

### <ipv6-transit-statistics>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <traffic-statistics>
      <ipv6-transit-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-packets>
          input-packets
        </input-packets>
        <output-packets>
          output-packets

```

```
</output-packets>
</ipv6-transit-statistics>
</traffic-statistics>
</logical-interface>
</interface-filter-information>
```

#### Description

### <ipv6-transit-statistics>

#### Usage

```
<interface-filter-information>
<logical-interface>
<transit-traffic-statistics>
  <ipv6-transit-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-transit-statistics>
</transit-traffic-statistics>
</logical-interface>
</interface-filter-information>
```

#### Description

### <ipv6-transit-statistics>

#### Usage

```
<interface-filter-information>
<logical-interface>
<virtual-circuit-information>
<traffic-statistics>
  <ipv6-transit-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
```

```

    </ipv6-transit-statistics>
  </traffic-statistics>
</virtual-circuit-information>
</logical-interface>
</interface-filter-information>

```

## Description

### <ipv6-transit-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <traffic-statistics>
      <ipv6-transit-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-packets>
          input-packets
        </input-packets>
        <output-packets>
          output-packets
        </output-packets>
      </ipv6-transit-statistics>
    </traffic-statistics>
  </physical-interface>
</interface-policer-information>

```

## Description

### <ipv6-transit-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <virtual-path-information>
      <traffic-statistics>
        <ipv6-transit-statistics>
          <input-bytes>
            input-bytes
          </input-bytes>
          <output-bytes>
            output-bytes
          </output-bytes>
          <input-packets>
            input-packets
          </input-packets>
          <output-packets>
            output-packets
          </output-packets>
        </ipv6-transit-statistics>
      </traffic-statistics>
    </virtual-path-information>
  </physical-interface>
</interface-policer-information>

```

```
</ipv6-transit-statistics>
</traffic-statistics>
</virtual-path-information>
</physical-interface>
</interface-policer-information>
```

#### Description

### <ipv6-transit-statistics>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
<traffic-statistics>
  <ipv6-transit-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </ipv6-transit-statistics>
</traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

#### Description

### <ipv6-transit-statistics>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
  <transit-traffic-statistics>
    <ipv6-transit-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>

```

```

        output-packets
      </output-packets>
    </ipv6-transit-statistics>
  </transit-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

#### Description

### <ipv6-transit-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <traffic-statistics>
          <ipv6-transit-statistics>
            <input-bytes>
              input-bytes
            </input-bytes>
            <output-bytes>
              output-bytes
            </output-bytes>
            <input-packets>
              input-packets
            </input-packets>
            <output-packets>
              output-packets
            </output-packets>
          </ipv6-transit-statistics>
        </traffic-statistics>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

#### Description

### <ipv6-transit-statistics>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <traffic-statistics>
      <ipv6-transit-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-packets>

```

```
    input-packets
  </input-packets>
  <output-packets>
    output-packets
  </output-packets>
</ipv6-transit-statistics>
</traffic-statistics>
</logical-interface>
</interface-policer-information>
```

## Description

### <ipv6-transit-statistics>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <transit-traffic-statistics>
      <ipv6-transit-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-packets>
          input-packets
        </input-packets>
        <output-packets>
          output-packets
        </output-packets>
      </ipv6-transit-statistics>
    </transit-traffic-statistics>
  </logical-interface>
</interface-policer-information>
```

## Description

### <ipv6-transit-statistics>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <virtual-circuit-information>
      <traffic-statistics>
        <ipv6-transit-statistics>
          <input-bytes>
            input-bytes
          </input-bytes>
          <output-bytes>
            output-bytes
          </output-bytes>
          <input-packets>
            input-packets
          </input-packets>
        </ipv6-transit-statistics>
      </traffic-statistics>
    </virtual-circuit-information>
  </logical-interface>
</interface-policer-information>
```



```

        </input-packets>
        <output-packets>
          output-packets
        </output-packets>
      </ipv6-transit-statistics>
    </traffic-statistics>
  </virtual-circuit-information>
</logical-interface>
</interface-policer-information>

```

#### Description

#### <irb-domain>

##### Usage

```

<irb-domain>
  <irb-routing-instance>
    irb-routing-instance
  </irb-routing-instance>
  <irb-bridge>
    irb-bridge
  </irb-bridge>
</irb-domain>

```

#### Description

#### <irb-domain>

##### Usage

```

<logical-interface>
  <irb-domain>
    <irb-routing-instance>
      irb-routing-instance
    </irb-routing-instance>
    <irb-bridge>
      irb-bridge
    </irb-bridge>
  </irb-domain>
</logical-interface>

```

#### Description

#### <irb-domain>

##### Usage

```

<physical-interface>
  <logical-interface>
    <irb-domain>
      <irb-routing-instance>
        irb-routing-instance
      </irb-routing-instance>
      <irb-bridge>
        irb-bridge
      </irb-bridge>
    </irb-domain>
  </logical-interface>
</physical-interface>

```

```
</irb-bridge>
</irb-domain>
</logical-interface>
</physical-interface>
```

#### Description

### <irb-domain>

#### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <irb-domain>
        <irb-routing-instance>
          irb-routing-instance
        </irb-routing-instance>
        <irb-bridge>
          irb-bridge
        </irb-bridge>
      </irb-domain>
    </logical-interface>
  </physical-interface>
</interface-information>
```

#### Description

### <irb-domain>

#### Usage

```
<interface-information>
  <logical-interface>
    <irb-domain>
      <irb-routing-instance>
        irb-routing-instance
      </irb-routing-instance>
      <irb-bridge>
        irb-bridge
      </irb-bridge>
    </irb-domain>
  </logical-interface>
</interface-information>
```

#### Description

### <irb-domain>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <irb-domain>
        <irb-routing-instance>
```

```

        irb-routing-instance
      </irb-routing-instance>
    <irb-bridge>
      irb-bridge
    </irb-bridge>
  </irb-domain>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

#### Description

#### <irb-domain>

##### Usage

```

<interface-filter-information>
  <logical-interface>
    <irb-domain>
      <irb-routing-instance>
        irb-routing-instance
      </irb-routing-instance>
    <irb-bridge>
      irb-bridge
    </irb-bridge>
    </irb-domain>
  </logical-interface>
</interface-filter-information>

```

#### Description

#### <irb-domain>

##### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <irb-domain>
        <irb-routing-instance>
          irb-routing-instance
        </irb-routing-instance>
        <irb-bridge>
          irb-bridge
        </irb-bridge>
      </irb-domain>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

#### Description

## <irb-domain>

### Usage

```
<interface-policer-information>
  <logical-interface>
    <irb-domain>
      <irb-routing-instance>
        irb-routing-instance
      </irb-routing-instance>
      <irb-bridge>
        irb-bridge
      </irb-bridge>
    </irb-domain>
  </logical-interface>
</interface-policer-information>
```

### Description

## <jswitch-port>

### Usage

```
<jswitch-port-information>
  <jswitch-port>
    <physical-interface-name>
      physical-interface-name
    </physical-interface-name>
    <port>
      port
    </port>
    <admin-state>
      admin-state
    </admin-state>
    <physical-link>
      physical-link
    </physical-link>
    <link-speed>
      link-speed
    </link-speed>
    <auto-negotiation>
      auto-negotiation
    </auto-negotiation>
    <link-duplexity>
      link-duplexity
    </link-duplexity>
    <port-mtu>
      port-mtu
    </port-mtu>
    <ethernet-mac-statistics>.....</ethernet-mac-statistics>
    <ethernet-autonegotiation>.....</ethernet-autonegotiation>
    <vlan-id>
      vlan-id
    </vlan-id>
    <default-vlan-id>
      default-vlan-id
    </default-vlan-id>
```

```

</default-vlan-id>
<cascade-port>
  cascade-port
</cascade-port>
</jswitch-port>
</jswitch-port-information>

```

#### Description

### <jswitch-port-information>

#### Usage

```

<jswitch-port-information>
  <jswitch-port>....</jswitch-port>
</jswitch-port-information>

```

#### Description

### <keepalive-config>

#### Usage

```

<keepalive-config>
  <keepalive-interval>
    keepalive-interval
  </keepalive-interval>
  <keepalive-up-count>
    keepalive-up-count
  </keepalive-up-count>
  <keepalive-down-count>
    keepalive-down-count
  </keepalive-down-count>
</keepalive-config>

```

**Description** Configured keepalive settings on this interface

### <keepalive-config>

#### Usage

```

<logical-interface>
  <keepalive-config>
    <keepalive-interval>
      keepalive-interval
    </keepalive-interval>
    <keepalive-up-count>
      keepalive-up-count
    </keepalive-up-count>
    <keepalive-down-count>
      keepalive-down-count
    </keepalive-down-count>
  </keepalive-config>
</logical-interface>

```

**Description** Configured keepalive settings on this interface

### <keepalive-config>

#### Usage

```
<physical-interface>
  <keepalive-config>
    <keepalive-interval>
      keepalive-interval
    </keepalive-interval>
    <keepalive-up-count>
      keepalive-up-count
    </keepalive-up-count>
    <keepalive-down-count>
      keepalive-down-count
    </keepalive-down-count>
  </keepalive-config>
</physical-interface>
```

**Description** Configured keepalive settings on this interface

### <keepalive-config>

#### Usage

```
<physical-interface>
  <logical-interface>
    <keepalive-config>
      <keepalive-interval>
        keepalive-interval
      </keepalive-interval>
      <keepalive-up-count>
        keepalive-up-count
      </keepalive-up-count>
      <keepalive-down-count>
        keepalive-down-count
      </keepalive-down-count>
    </keepalive-config>
  </logical-interface>
</physical-interface>
```

**Description** Configured keepalive settings on this interface

### <keepalive-config>

#### Usage

```
<interface-information>
  <physical-interface>
    <keepalive-config>
      <keepalive-interval>
        keepalive-interval
      </keepalive-interval>
      <keepalive-up-count>
```

```

        keepalive-up-count
      </keepalive-up-count>
      <keepalive-down-count>
        keepalive-down-count
      </keepalive-down-count>
    </keepalive-config>
  </physical-interface>
</interface-information>

```

**Description** Configured keepalive settings on this interface

### <keepalive-config>

#### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <keepalive-config>
        <keepalive-interval>
          keepalive-interval
        </keepalive-interval>
        <keepalive-up-count>
          keepalive-up-count
        </keepalive-up-count>
        <keepalive-down-count>
          keepalive-down-count
        </keepalive-down-count>
      </keepalive-config>
    </logical-interface>
  </physical-interface>
</interface-information>

```

**Description** Configured keepalive settings on this interface

### <keepalive-config>

#### Usage

```

<interface-information>
  <logical-interface>
    <keepalive-config>
      <keepalive-interval>
        keepalive-interval
      </keepalive-interval>
      <keepalive-up-count>
        keepalive-up-count
      </keepalive-up-count>
      <keepalive-down-count>
        keepalive-down-count
      </keepalive-down-count>
    </keepalive-config>
  </logical-interface>

```

```
</interface-information>
```

**Description** Configured keepalive settings on this interface

### <keepalive-config>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <keepalive-config>
    <keepalive-interval>
      keepalive-interval
    </keepalive-interval>
    <keepalive-up-count>
      keepalive-up-count
    </keepalive-up-count>
    <keepalive-down-count>
      keepalive-down-count
    </keepalive-down-count>
  </keepalive-config>
</physical-interface>
</interface-filter-information>
```

**Description** Configured keepalive settings on this interface

### <keepalive-config>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <logical-interface>
    <keepalive-config>
      <keepalive-interval>
        keepalive-interval
      </keepalive-interval>
      <keepalive-up-count>
        keepalive-up-count
      </keepalive-up-count>
      <keepalive-down-count>
        keepalive-down-count
      </keepalive-down-count>
    </keepalive-config>
  </logical-interface>
</physical-interface>
</interface-filter-information>
```

**Description** Configured keepalive settings on this interface



**<keepalive-config>****Usage**

```

<interface-filter-information>
  <logical-interface>
    <keepalive-config>
      <keepalive-interval>
        keepalive-interval
      </keepalive-interval>
      <keepalive-up-count>
        keepalive-up-count
      </keepalive-up-count>
      <keepalive-down-count>
        keepalive-down-count
      </keepalive-down-count>
    </keepalive-config>
  </logical-interface>
</interface-filter-information>

```

**Description** Configured keepalive settings on this interface

**<keepalive-config>****Usage**

```

<interface-policer-information>
  <physical-interface>
    <keepalive-config>
      <keepalive-interval>
        keepalive-interval
      </keepalive-interval>
      <keepalive-up-count>
        keepalive-up-count
      </keepalive-up-count>
      <keepalive-down-count>
        keepalive-down-count
      </keepalive-down-count>
    </keepalive-config>
  </physical-interface>
</interface-policer-information>

```

**Description** Configured keepalive settings on this interface

**<keepalive-config>****Usage**

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <keepalive-config>
        <keepalive-interval>
          keepalive-interval
        </keepalive-interval>

```

```
<keepalive-up-count>
  keepalive-up-count
</keepalive-up-count>
<keepalive-down-count>
  keepalive-down-count
</keepalive-down-count>
</keepalive-config>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

**Description** Configured keepalive settings on this interface

### <keepalive-config>

#### Usage

```
<interface-policer-information>
<logical-interface>
  <keepalive-config>
    <keepalive-interval>
      keepalive-interval
    </keepalive-interval>
    <keepalive-up-count>
      keepalive-up-count
    </keepalive-up-count>
    <keepalive-down-count>
      keepalive-down-count
    </keepalive-down-count>
  </keepalive-config>
</logical-interface>
</interface-policer-information>
```

**Description** Configured keepalive settings on this interface

### <keepalive-statistics>

#### Usage

```
<keepalive-statistics>
  <keepalive-lmi-descriptor>
    keepalive-lmi-descriptor
  </keepalive-lmi-descriptor>
  <keepalive-input-count>
    keepalive-input-count
  </keepalive-input-count>
  <keepalive-input-time>
    keepalive-input-time
  </keepalive-input-time>
  <keepalive-output-count>
    keepalive-output-count
  </keepalive-output-count>
  <keepalive-output-time>
    keepalive-output-time
```

```

    </keepalive-output-time>
  </keepalive-statistics>

```

**Description** Keepalive statistics for this interface

### <keepalive-statistics>

#### Usage

```

<logical-interface>
  <keepalive-statistics>
    <keepalive-lmi-descriptor>
      keepalive-lmi-descriptor
    </keepalive-lmi-descriptor>
    <keepalive-input-count>
      keepalive-input-count
    </keepalive-input-count>
    <keepalive-input-time>
      keepalive-input-time
    </keepalive-input-time>
    <keepalive-output-count>
      keepalive-output-count
    </keepalive-output-count>
    <keepalive-output-time>
      keepalive-output-time
    </keepalive-output-time>
  </keepalive-statistics>
</logical-interface>

```

**Description** Keepalive statistics for this interface

### <keepalive-statistics>

#### Usage

```

<physical-interface>
  <keepalive-statistics>
    <keepalive-lmi-descriptor>
      keepalive-lmi-descriptor
    </keepalive-lmi-descriptor>
    <keepalive-input-count>
      keepalive-input-count
    </keepalive-input-count>
    <keepalive-input-time>
      keepalive-input-time
    </keepalive-input-time>
    <keepalive-output-count>
      keepalive-output-count
    </keepalive-output-count>
    <keepalive-output-time>
      keepalive-output-time
    </keepalive-output-time>
  </keepalive-statistics>

```

```
</physical-interface>
```

**Description**    Keepalive statistics for this interface

### <keepalive-statistics>

#### Usage

```
<physical-interface>
<logical-interface>
  <keepalive-statistics>
    <keepalive-lmi-descriptor>
      keepalive-lmi-descriptor
    </keepalive-lmi-descriptor>
    <keepalive-input-count>
      keepalive-input-count
    </keepalive-input-count>
    <keepalive-input-time>
      keepalive-input-time
    </keepalive-input-time>
    <keepalive-output-count>
      keepalive-output-count
    </keepalive-output-count>
    <keepalive-output-time>
      keepalive-output-time
    </keepalive-output-time>
  </keepalive-statistics>
</logical-interface>
</physical-interface>
```

**Description**    Keepalive statistics for this interface

### <keepalive-statistics>

#### Usage

```
<interface-information>
<physical-interface>
  <keepalive-statistics>
    <keepalive-lmi-descriptor>
      keepalive-lmi-descriptor
    </keepalive-lmi-descriptor>
    <keepalive-input-count>
      keepalive-input-count
    </keepalive-input-count>
    <keepalive-input-time>
      keepalive-input-time
    </keepalive-input-time>
    <keepalive-output-count>
      keepalive-output-count
    </keepalive-output-count>
    <keepalive-output-time>
      keepalive-output-time
    </keepalive-output-time>
```

```

    </keepalive-statistics>
  </physical-interface>
</interface-information>

```

**Description** Keepalive statistics for this interface

## <keepalive-statistics>

### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <keepalive-statistics>
        <keepalive-lmi-descriptor>
          keepalive-lmi-descriptor
        </keepalive-lmi-descriptor>
        <keepalive-input-count>
          keepalive-input-count
        </keepalive-input-count>
        <keepalive-input-time>
          keepalive-input-time
        </keepalive-input-time>
        <keepalive-output-count>
          keepalive-output-count
        </keepalive-output-count>
        <keepalive-output-time>
          keepalive-output-time
        </keepalive-output-time>
      </keepalive-statistics>
    </logical-interface>
  </physical-interface>
</interface-information>

```

**Description** Keepalive statistics for this interface

## <keepalive-statistics>

### Usage

```

<interface-information>
  <logical-interface>
    <keepalive-statistics>
      <keepalive-lmi-descriptor>
        keepalive-lmi-descriptor
      </keepalive-lmi-descriptor>
      <keepalive-input-count>
        keepalive-input-count
      </keepalive-input-count>
      <keepalive-input-time>
        keepalive-input-time
      </keepalive-input-time>
      <keepalive-output-count>
        keepalive-output-count

```

```
</keepalive-output-count>
<keepalive-output-time>
  keepalive-output-time
</keepalive-output-time>
</keepalive-statistics>
</logical-interface>
</interface-information>
```

**Description** Keepalive statistics for this interface

### <keepalive-statistics>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <keepalive-statistics>
    <keepalive-lmi-descriptor>
      keepalive-lmi-descriptor
    </keepalive-lmi-descriptor>
    <keepalive-input-count>
      keepalive-input-count
    </keepalive-input-count>
    <keepalive-input-time>
      keepalive-input-time
    </keepalive-input-time>
    <keepalive-output-count>
      keepalive-output-count
    </keepalive-output-count>
    <keepalive-output-time>
      keepalive-output-time
    </keepalive-output-time>
  </keepalive-statistics>
</physical-interface>
</interface-filter-information>
```

**Description** Keepalive statistics for this interface

### <keepalive-statistics>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <logical-interface>
    <keepalive-statistics>
      <keepalive-lmi-descriptor>
        keepalive-lmi-descriptor
      </keepalive-lmi-descriptor>
      <keepalive-input-count>
        keepalive-input-count
      </keepalive-input-count>
      <keepalive-input-time>
        keepalive-input-time
      </keepalive-input-time>
    </keepalive-statistics>
  </logical-interface>
</physical-interface>
</interface-filter-information>
```

```

    </keepalive-input-time>
    <keepalive-output-count>
      keepalive-output-count
    </keepalive-output-count>
    <keepalive-output-time>
      keepalive-output-time
    </keepalive-output-time>
  </keepalive-statistics>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

**Description** Keepalive statistics for this interface

### <keepalive-statistics>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <keepalive-statistics>
      <keepalive-lmi-descriptor>
        keepalive-lmi-descriptor
      </keepalive-lmi-descriptor>
      <keepalive-input-count>
        keepalive-input-count
      </keepalive-input-count>
      <keepalive-input-time>
        keepalive-input-time
      </keepalive-input-time>
      <keepalive-output-count>
        keepalive-output-count
      </keepalive-output-count>
      <keepalive-output-time>
        keepalive-output-time
      </keepalive-output-time>
    </keepalive-statistics>
  </logical-interface>
</interface-filter-information>

```

**Description** Keepalive statistics for this interface

### <keepalive-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <keepalive-statistics>
      <keepalive-lmi-descriptor>
        keepalive-lmi-descriptor
      </keepalive-lmi-descriptor>
      <keepalive-input-count>
        keepalive-input-count

```

```
</keepalive-input-count>
<keepalive-input-time>
  keepalive-input-time
</keepalive-input-time>
<keepalive-output-count>
  keepalive-output-count
</keepalive-output-count>
<keepalive-output-time>
  keepalive-output-time
</keepalive-output-time>
</keepalive-statistics>
</physical-interface>
</interface-policer-information>
```

**Description** Keepalive statistics for this interface

### <keepalive-statistics>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
  <keepalive-statistics>
    <keepalive-lmi-descriptor>
      keepalive-lmi-descriptor
    </keepalive-lmi-descriptor>
    <keepalive-input-count>
      keepalive-input-count
    </keepalive-input-count>
    <keepalive-input-time>
      keepalive-input-time
    </keepalive-input-time>
    <keepalive-output-count>
      keepalive-output-count
    </keepalive-output-count>
    <keepalive-output-time>
      keepalive-output-time
    </keepalive-output-time>
  </keepalive-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

**Description** Keepalive statistics for this interface

### <keepalive-statistics>

#### Usage

```
<interface-policer-information>
<logical-interface>
  <keepalive-statistics>
    <keepalive-lmi-descriptor>
```



```

    keepalive-lmi-descriptor
  </keepalive-lmi-descriptor>
  <keepalive-input-count>
    keepalive-input-count
  </keepalive-input-count>
  <keepalive-input-time>
    keepalive-input-time
  </keepalive-input-time>
  <keepalive-output-count>
    keepalive-output-count
  </keepalive-output-count>
  <keepalive-output-time>
    keepalive-output-time
  </keepalive-output-time>
</keepalive-statistics>
</logical-interface>
</interface-policer-information>

```

**Description** Keepalive statistics for this interface

## <l2circuit-info>

### Usage

```

<l2circuit-info>
  <cell-bundle-size>
    cell-bundle-size
  </cell-bundle-size>
  <cell-bundle-timeout>
    cell-bundle-timeout
  </cell-bundle-timeout>
  <cell-timeout-count>
    cell-timeout-count
  </cell-timeout-count>
  <out-of-sequence>
    out-of-sequence
  </out-of-sequence>
</l2circuit-info>

```

### Description

## <l2circuit-info>

### Usage

```

<logical-interface>
  <l2circuit-info>
    <cell-bundle-size>
      cell-bundle-size
    </cell-bundle-size>
    <cell-bundle-timeout>
      cell-bundle-timeout
    </cell-bundle-timeout>
    <cell-timeout-count>
      cell-timeout-count

```

```
</cell-timeout-count>
<out-of-sequence>
  out-of-sequence
</out-of-sequence>
</l2circuit-info>
</logical-interface>
```

#### Description

### <l2circuit-info>

#### Usage

```
<physical-interface>
<logical-interface>
  <l2circuit-info>
    <cell-bundle-size>
      cell-bundle-size
    </cell-bundle-size>
    <cell-bundle-timeout>
      cell-bundle-timeout
    </cell-bundle-timeout>
    <cell-timeout-count>
      cell-timeout-count
    </cell-timeout-count>
    <out-of-sequence>
      out-of-sequence
    </out-of-sequence>
  </l2circuit-info>
</logical-interface>
</physical-interface>
```

#### Description

### <l2circuit-info>

#### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
  <l2circuit-info>
    <cell-bundle-size>
      cell-bundle-size
    </cell-bundle-size>
    <cell-bundle-timeout>
      cell-bundle-timeout
    </cell-bundle-timeout>
    <cell-timeout-count>
      cell-timeout-count
    </cell-timeout-count>
    <out-of-sequence>
      out-of-sequence
    </out-of-sequence>
  </l2circuit-info>
</logical-interface>
```

```

    </physical-interface>
  </interface-information>

```

## Description

### <l2circuit-info>

#### Usage

```

<interface-information>
  <logical-interface>
    <l2circuit-info>
      <cell-bundle-size>
        cell-bundle-size
      </cell-bundle-size>
      <cell-bundle-timeout>
        cell-bundle-timeout
      </cell-bundle-timeout>
      <cell-timeout-count>
        cell-timeout-count
      </cell-timeout-count>
      <out-of-sequence>
        out-of-sequence
      </out-of-sequence>
    </l2circuit-info>
  </logical-interface>
</interface-information>

```

## Description

### <l2circuit-info>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <l2circuit-info>
        <cell-bundle-size>
          cell-bundle-size
        </cell-bundle-size>
        <cell-bundle-timeout>
          cell-bundle-timeout
        </cell-bundle-timeout>
        <cell-timeout-count>
          cell-timeout-count
        </cell-timeout-count>
        <out-of-sequence>
          out-of-sequence
        </out-of-sequence>
      </l2circuit-info>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

**Description****<l2circuit-info>****Usage**

```
<interface-filter-information>
  <logical-interface>
    <l2circuit-info>
      <cell-bundle-size>
        cell-bundle-size
      </cell-bundle-size>
      <cell-bundle-timeout>
        cell-bundle-timeout
      </cell-bundle-timeout>
      <cell-timeout-count>
        cell-timeout-count
      </cell-timeout-count>
      <out-of-sequence>
        out-of-sequence
      </out-of-sequence>
    </l2circuit-info>
  </logical-interface>
</interface-filter-information>
```

**Description****<l2circuit-info>****Usage**

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <l2circuit-info>
        <cell-bundle-size>
          cell-bundle-size
        </cell-bundle-size>
        <cell-bundle-timeout>
          cell-bundle-timeout
        </cell-bundle-timeout>
        <cell-timeout-count>
          cell-timeout-count
        </cell-timeout-count>
        <out-of-sequence>
          out-of-sequence
        </out-of-sequence>
      </l2circuit-info>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```

**Description**

**<l2circuit-info>****Usage**

```

<interface-policer-information>
  <logical-interface>
    <l2circuit-info>
      <cell-bundle-size>
        cell-bundle-size
      </cell-bundle-size>
      <cell-bundle-timeout>
        cell-bundle-timeout
      </cell-bundle-timeout>
      <cell-timeout-count>
        cell-timeout-count
      </cell-timeout-count>
      <out-of-sequence>
        out-of-sequence
      </out-of-sequence>
    </l2circuit-info>
  </logical-interface>
</interface-policer-information>

```

**Description****<lag-bundle>****Usage**

```

<lag-traffic-statistics>
  <lag-bundle>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-packets>
      output-packets
    </output-packets>
    <output-pps>
      output-pps
    </output-pps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </lag-bundle>

```

```
</lag-traffic-statistics>
```

#### Description

### <lag-bundle>

#### Usage

```
<logical-interface>
<lag-traffic-statistics>
  <lag-bundle>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-packets>
      output-packets
    </output-packets>
    <output-pps>
      output-pps
    </output-pps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </lag-bundle>
</lag-traffic-statistics>
</logical-interface>
```

#### Description

### <lag-bundle>

#### Usage

```
<physical-interface>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-bundle>
        <input-packets>
          input-packets
        </input-packets>
        <input-pps>
          input-pps
        </input-pps>
        <input-bytes>
```

```

    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-packets>
    output-packets
  </output-packets>
  <output-pps>
    output-pps
  </output-pps>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-bps>
    output-bps
  </output-bps>
</lag-bundle>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>

```

## Description

### <lag-bundle>

#### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-bundle>
          <input-packets>
            input-packets
          </input-packets>
          <input-pps>
            input-pps
          </input-pps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-packets>
            output-packets
          </output-packets>
          <output-pps>
            output-pps
          </output-pps>
          <output-bytes>
            output-bytes
          </output-bytes>
          <output-bps>
            output-bps

```

```
</output-bps>
</lag-bundle>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>
```

#### Description

#### <lag-bundle>

##### Usage

```
<interface-information>
<logical-interface>
<lag-traffic-statistics>
<lag-bundle>
  <input-packets>
    input-packets
  </input-packets>
  <input-pps>
    input-pps
  </input-pps>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-packets>
    output-packets
  </output-packets>
  <output-pps>
    output-pps
  </output-pps>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-bps>
    output-bps
  </output-bps>
</lag-bundle>
</lag-traffic-statistics>
</logical-interface>
</interface-information>
```

#### Description

#### <lag-bundle>

##### Usage

```
<interface-filter-information>
<physical-interface>
<logical-interface>
  <lag-traffic-statistics>
```



```

<lag-bundle>
  <input-packets>
    input-packets
  </input-packets>
  <input-pps>
    input-pps
  </input-pps>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-packets>
    output-packets
  </output-packets>
  <output-pps>
    output-pps
  </output-pps>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-bps>
    output-bps
  </output-bps>
</lag-bundle>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

## Description

### <lag-bundle>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-bundle>
        <input-packets>
          input-packets
        </input-packets>
        <input-pps>
          input-pps
        </input-pps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-packets>
          output-packets
        </output-packets>

```

```
<output-pps>
  output-pps
</output-pps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</lag-bundle>
</lag-traffic-statistics>
</logical-interface>
</interface-filter-information>
```

## Description

### <lag-bundle>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
  <lag-traffic-statistics>
    <lag-bundle>
      <input-packets>
        input-packets
      </input-packets>
      <input-pps>
        input-pps
      </input-pps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-packets>
        output-packets
      </output-packets>
      <output-pps>
        output-pps
      </output-pps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
    </lag-bundle>
  </lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

**Description****<lag-bundle>****Usage**

```
<interface-policer-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-bundle>
        <input-packets>
          input-packets
        </input-packets>
        <input-pps>
          input-pps
        </input-pps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-packets>
          output-packets
        </output-packets>
        <output-pps>
          output-pps
        </output-pps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </lag-bundle>
    </lag-traffic-statistics>
  </logical-interface>
</interface-policer-information>
```

**Description****<lag-ipv4-multicast-statistics>****Usage**

```
<lag-traffic-statistics>
  <lag-multicast-statistics>
    <lag-ipv4-multicast-statistics>
      <input-packets>
        input-packets
      </input-packets>
      <input-pps>
        input-pps
      </input-pps>
      <input-bytes>
        input-bytes
      </input-bytes>
```

```
<input-bps>
  input-bps
</input-bps>
<output-packets>
  output-packets
</output-packets>
<output-pps>
  output-pps
</output-pps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</lag-ipv4-multicast-statistics>
</lag-multicast-statistics>
</lag-traffic-statistics>
```

## Description

### <lag-ipv4-multicast-statistics>

#### Usage

```
<logical-interface>
<lag-traffic-statistics>
<lag-multicast-statistics>
  <lag-ipv4-multicast-statistics>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-packets>
      output-packets
    </output-packets>
    <output-pps>
      output-pps
    </output-pps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </lag-ipv4-multicast-statistics>
</lag-multicast-statistics>
</lag-traffic-statistics>
```

```
</logical-interface>
```

### Description

#### <lag-ipv4-multicast-statistics>

#### Usage

```
<physical-interface>
<logical-interface>
  <lag-traffic-statistics>
    <lag-multicast-statistics>
      <lag-ipv4-multicast-statistics>
        <input-packets>
          input-packets
        </input-packets>
        <input-pps>
          input-pps
        </input-pps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-packets>
          output-packets
        </output-packets>
        <output-pps>
          output-pps
        </output-pps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </lag-ipv4-multicast-statistics>
    </lag-multicast-statistics>
  </lag-traffic-statistics>
</logical-interface>
</physical-interface>
```

### Description

#### <lag-ipv4-multicast-statistics>

#### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-multicast-statistics>
          <lag-ipv4-multicast-statistics>
            <input-packets>
```

```
    input-packets
  </input-packets>
  <input-pps>
    input-pps
  </input-pps>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-packets>
    output-packets
  </output-packets>
  <output-pps>
    output-pps
  </output-pps>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-bps>
    output-bps
  </output-bps>
</lag-ipv4-multicast-statistics>
</lag-multicast-statistics>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>
```

## Description

### <lag-ipv4-multicast-statistics>

#### Usage

```
<interface-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-multicast-statistics>
        <lag-ipv4-multicast-statistics>
          <input-packets>
            input-packets
          </input-packets>
          <input-pps>
            input-pps
          </input-pps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-packets>
            output-packets
          </output-packets>
```

```

    <output-pps>
      output-pps
    </output-pps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </lag-ipv4-multicast-statistics>
</lag-multicast-statistics>
</lag-traffic-statistics>
</logical-interface>
</interface-information>

```

## Description

### <lag-ipv4-multicast-statistics>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-multicast-statistics>
          <lag-ipv4-multicast-statistics>
            <input-packets>
              input-packets
            </input-packets>
            <input-pps>
              input-pps
            </input-pps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>
              input-bps
            </input-bps>
            <output-packets>
              output-packets
            </output-packets>
            <output-pps>
              output-pps
            </output-pps>
            <output-bytes>
              output-bytes
            </output-bytes>
            <output-bps>
              output-bps
            </output-bps>
          </lag-ipv4-multicast-statistics>
        </lag-multicast-statistics>
      </lag-traffic-statistics>
    </logical-interface>
  </physical-interface>

```

</interface-filter-information>

#### Description

### <lag-ipv4-multicast-statistics>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-multicast-statistics>
        <lag-ipv4-multicast-statistics>
          <input-packets>
            input-packets
          </input-packets>
          <input-pps>
            input-pps
          </input-pps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-packets>
            output-packets
          </output-packets>
          <output-pps>
            output-pps
          </output-pps>
          <output-bytes>
            output-bytes
          </output-bytes>
          <output-bps>
            output-bps
          </output-bps>
        </lag-ipv4-multicast-statistics>
      </lag-multicast-statistics>
    </lag-traffic-statistics>
  </logical-interface>
</interface-filter-information>
```

#### Description

### <lag-ipv4-multicast-statistics>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-multicast-statistics>
          <lag-ipv4-multicast-statistics>
            <input-packets>
```



```

        input-packets
      </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-packets>
      output-packets
    </output-packets>
    <output-pps>
      output-pps
    </output-pps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </lag-ipv4-multicast-statistics>
</lag-multicast-statistics>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

## Description

### <lag-ipv4-multicast-statistics>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-multicast-statistics>
        <lag-ipv4-multicast-statistics>
          <input-packets>
            input-packets
          </input-packets>
          <input-pps>
            input-pps
          </input-pps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-packets>
            output-packets
          </output-packets>

```

```
<output-pps>
  output-pps
</output-pps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</lag-ipv4-multicast-statistics>
</lag-multicast-statistics>
</lag-traffic-statistics>
</logical-interface>
</interface-policer-information>
```

### Description

## <lag-ipv6-multicast-statistics>

### Usage

```
<lag-traffic-statistics>
<lag-multicast-statistics>
  <lag-ipv6-multicast-statistics>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-packets>
      output-packets
    </output-packets>
    <output-pps>
      output-pps
    </output-pps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </lag-ipv6-multicast-statistics>
</lag-multicast-statistics>
</lag-traffic-statistics>
```

### Description

## <lag-ipv6-multicast-statistics>

### Usage

```

<logical-interface>
  <lag-traffic-statistics>
    <lag-multicast-statistics>
      <lag-ipv6-multicast-statistics>
        <input-packets>
          input-packets
        </input-packets>
        <input-pps>
          input-pps
        </input-pps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-packets>
          output-packets
        </output-packets>
        <output-pps>
          output-pps
        </output-pps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </lag-ipv6-multicast-statistics>
    </lag-multicast-statistics>
  </lag-traffic-statistics>
</logical-interface>

```

### Description

## <lag-ipv6-multicast-statistics>

### Usage

```

<physical-interface>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-multicast-statistics>
        <lag-ipv6-multicast-statistics>
          <input-packets>
            input-packets
          </input-packets>
          <input-pps>
            input-pps
          </input-pps>
          <input-bytes>
            input-bytes

```

```
</input-bytes>
<input-bps>
  input-bps
</input-bps>
<output-packets>
  output-packets
</output-packets>
<output-pps>
  output-pps
</output-pps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</lag-ipv6-multicast-statistics>
</lag-multicast-statistics>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>
```

## Description

### <lag-ipv6-multicast-statistics>

#### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
<lag-traffic-statistics>
<lag-multicast-statistics>
  <lag-ipv6-multicast-statistics>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-packets>
      output-packets
    </output-packets>
    <output-pps>
      output-pps
    </output-pps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
```

```

        output-bps
      </output-bps>
    </lag-ipv6-multicast-statistics>
  </lag-multicast-statistics>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>

```

## Description

### <lag-ipv6-multicast-statistics>

#### Usage

```

<interface-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-multicast-statistics>
        <lag-ipv6-multicast-statistics>
          <input-packets>
            input-packets
          </input-packets>
          <input-pps>
            input-pps
          </input-pps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-packets>
            output-packets
          </output-packets>
          <output-pps>
            output-pps
          </output-pps>
          <output-bytes>
            output-bytes
          </output-bytes>
          <output-bps>
            output-bps
          </output-bps>
        </lag-ipv6-multicast-statistics>
      </lag-multicast-statistics>
    </lag-traffic-statistics>
  </logical-interface>
</interface-information>

```

## Description

## <lag-ipv6-multicast-statistics>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-multicast-statistics>
          <lag-ipv6-multicast-statistics>
            <input-packets>
              input-packets
            </input-packets>
            <input-pps>
              input-pps
            </input-pps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>
              input-bps
            </input-bps>
            <output-packets>
              output-packets
            </output-packets>
            <output-pps>
              output-pps
            </output-pps>
            <output-bytes>
              output-bytes
            </output-bytes>
            <output-bps>
              output-bps
            </output-bps>
          </lag-ipv6-multicast-statistics>
        </lag-multicast-statistics>
      </lag-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

### Description

## <lag-ipv6-multicast-statistics>

### Usage

```
<interface-filter-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-multicast-statistics>
        <lag-ipv6-multicast-statistics>
          <input-packets>
            input-packets
          </input-packets>
          <input-pps>
```

```

    input-pps
  </input-pps>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-packets>
    output-packets
  </output-packets>
  <output-pps>
    output-pps
  </output-pps>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-bps>
    output-bps
  </output-bps>
</lag-ipv6-multicast-statistics>
</lag-multicast-statistics>
</lag-traffic-statistics>
</logical-interface>
</interface-filter-information>

```

## Description

### <lag-ipv6-multicast-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-multicast-statistics>
        <lag-ipv6-multicast-statistics>
          <input-packets>
            input-packets
          </input-packets>
          <input-pps>
            input-pps
          </input-pps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-packets>
            output-packets
          </output-packets>
          <output-pps>
            output-pps
          </output-pps>

```

```
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</lag-ipv6-multicast-statistics>
</lag-multicast-statistics>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

## Description

### <lag-ipv6-multicast-statistics>

#### Usage

```
<interface-policer-information>
<logical-interface>
<lag-traffic-statistics>
<lag-multicast-statistics>
  <lag-ipv6-multicast-statistics>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-packets>
      output-packets
    </output-packets>
    <output-pps>
      output-pps
    </output-pps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </lag-ipv6-multicast-statistics>
</lag-multicast-statistics>
</lag-traffic-statistics>
</logical-interface>
</interface-policer-information>
```

## Description



**<lag-lACP-info>****Usage**

```

<lag-lACP-info>
  <name>
    name
  </name>
  <lACP-role>
    lACP-role
  </lACP-role>
  <lACP-sys-priority>
    lACP-sys-priority
  </lACP-sys-priority>
  <lACP-system-id>
    lACP-system-id
  </lACP-system-id>
  <lACP-port-priority>
    lACP-port-priority
  </lACP-port-priority>
  <lACP-port-number>
    lACP-port-number
  </lACP-port-number>
  <lACP-port-key>
    lACP-port-key
  </lACP-port-key>
</lag-lACP-info>

```

**Description** LACP information

**<lag-lACP-info>****Usage**

```

<lag-traffic-statistics>
  <lag-lACP-info>
    <name>
      name
    </name>
    <lACP-role>
      lACP-role
    </lACP-role>
    <lACP-sys-priority>
      lACP-sys-priority
    </lACP-sys-priority>
    <lACP-system-id>
      lACP-system-id
    </lACP-system-id>
    <lACP-port-priority>
      lACP-port-priority
    </lACP-port-priority>
    <lACP-port-number>
      lACP-port-number
    </lACP-port-number>
    <lACP-port-key>

```

```
    lacp-port-key
  </lacp-port-key>
</lag-lACP-info>
</lag-traffic-statistics>
```

**Description** LACP information

### <lag-lACP-info>

#### Usage

```
<logical-interface>
  <lag-traffic-statistics>
    <lag-lACP-info>
      <name>
        name
      </name>
      <lacp-role>
        lacp-role
      </lacp-role>
      <lacp-sys-priority>
        lacp-sys-priority
      </lacp-sys-priority>
      <lacp-system-id>
        lacp-system-id
      </lacp-system-id>
      <lacp-port-priority>
        lacp-port-priority
      </lacp-port-priority>
      <lacp-port-number>
        lacp-port-number
      </lacp-port-number>
      <lacp-port-key>
        lacp-port-key
      </lacp-port-key>
    </lag-lACP-info>
  </lag-traffic-statistics>
</logical-interface>
```

**Description** LACP information

### <lag-lACP-info>

#### Usage

```
<physical-interface>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-lACP-info>
        <name>
          name
        </name>
        <lacp-role>
          lacp-role
        </lacp-role>
      </lag-lACP-info>
    </lag-traffic-statistics>
  </logical-interface>
</physical-interface>
```

```

</lacp-role>
<lacp-sys-priority>
  lacp-sys-priority
</lacp-sys-priority>
<lacp-system-id>
  lacp-system-id
</lacp-system-id>
<lacp-port-priority>
  lacp-port-priority
</lacp-port-priority>
<lacp-port-number>
  lacp-port-number
</lacp-port-number>
<lacp-port-key>
  lacp-port-key
</lacp-port-key>
</lag-lacp-info>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>

```

**Description** LACP information

### <lag-lacp-info>

#### Usage

```

<interface-information>
<physical-interface>
<logical-interface>
<lag-traffic-statistics>
  <lag-lacp-info>
    <name>
      name
    </name>
    <lacp-role>
      lacp-role
    </lacp-role>
    <lacp-sys-priority>
      lacp-sys-priority
    </lacp-sys-priority>
    <lacp-system-id>
      lacp-system-id
    </lacp-system-id>
    <lacp-port-priority>
      lacp-port-priority
    </lacp-port-priority>
    <lacp-port-number>
      lacp-port-number
    </lacp-port-number>
    <lacp-port-key>
      lacp-port-key
    </lacp-port-key>
  </lag-lacp-info>
</lag-traffic-statistics>

```

```
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** LACP information

### <lag-lACP-info>

#### Usage

```
<interface-information>
<logical-interface>
<lag-traffic-statistics>
<lag-lACP-info>
  <name>
    name
  </name>
  <lacp-role>
    lacp-role
  </lacp-role>
  <lacp-sys-priority>
    lacp-sys-priority
  </lacp-sys-priority>
  <lacp-system-id>
    lacp-system-id
  </lacp-system-id>
  <lacp-port-priority>
    lacp-port-priority
  </lacp-port-priority>
  <lacp-port-number>
    lacp-port-number
  </lacp-port-number>
  <lacp-port-key>
    lacp-port-key
  </lacp-port-key>
</lag-lACP-info>
</lag-traffic-statistics>
</logical-interface>
</interface-information>
```

**Description** LACP information

### <lag-lACP-info>

#### Usage

```
<interface-filter-information>
<physical-interface>
<logical-interface>
<lag-traffic-statistics>
<lag-lACP-info>
  <name>
    name
  </name>
```

```

    <lacp-role>
      lacp-role
    </lacp-role>
    <lacp-sys-priority>
      lacp-sys-priority
    </lacp-sys-priority>
    <lacp-system-id>
      lacp-system-id
    </lacp-system-id>
    <lacp-port-priority>
      lacp-port-priority
    </lacp-port-priority>
    <lacp-port-number>
      lacp-port-number
    </lacp-port-number>
    <lacp-port-key>
      lacp-port-key
    </lacp-port-key>
  </lag-lACP-info>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

**Description** LACP information

### <lag-lACP-info>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-lACP-info>
        <name>
          name
        </name>
        <lacp-role>
          lacp-role
        </lacp-role>
        <lacp-sys-priority>
          lacp-sys-priority
        </lacp-sys-priority>
        <lacp-system-id>
          lacp-system-id
        </lacp-system-id>
        <lacp-port-priority>
          lacp-port-priority
        </lacp-port-priority>
        <lacp-port-number>
          lacp-port-number
        </lacp-port-number>
        <lacp-port-key>
          lacp-port-key
        </lacp-port-key>
      </lag-lACP-info>
    </lag-traffic-statistics>
  </logical-interface>
</interface-filter-information>

```

```
</lag-lACP-info>  
</lag-traffic-statistics>  
</logical-interface>  
</interface-filter-information>
```

**Description** LACP information

### <lag-lACP-info>

#### Usage

```
<interface-policer-information>  
  <physical-interface>  
    <logical-interface>  
      <lag-traffic-statistics>  
        <lag-lACP-info>  
          <name>  
            name  
          </name>  
          <lacp-role>  
            lacp-role  
          </lacp-role>  
          <lacp-sys-priority>  
            lacp-sys-priority  
          </lacp-sys-priority>  
          <lacp-system-id>  
            lacp-system-id  
          </lacp-system-id>  
          <lacp-port-priority>  
            lacp-port-priority  
          </lacp-port-priority>  
          <lacp-port-number>  
            lacp-port-number  
          </lacp-port-number>  
          <lacp-port-key>  
            lacp-port-key  
          </lacp-port-key>  
        </lag-lACP-info>  
      </lag-traffic-statistics>  
    </logical-interface>  
  </physical-interface>  
</interface-policer-information>
```

**Description** LACP information

### <lag-lACP-info>

#### Usage

```
<interface-policer-information>  
  <logical-interface>  
    <lag-traffic-statistics>  
      <lag-lACP-info>  
        <name>
```

```

    name
  </name>
  <lacp-role>
    lacp-role
  </lacp-role>
  <lacp-sys-priority>
    lacp-sys-priority
  </lacp-sys-priority>
  <lacp-system-id>
    lacp-system-id
  </lacp-system-id>
  <lacp-port-priority>
    lacp-port-priority
  </lacp-port-priority>
  <lacp-port-number>
    lacp-port-number
  </lacp-port-number>
  <lacp-port-key>
    lacp-port-key
  </lacp-port-key>
</lag-lacp-info>
</lag-traffic-statistics>
</logical-interface>
</interface-policer-information>

```

**Description** LACP information

### <lag-lacp-protocol>

#### Usage

```

<lag-lacp-protocol>
  <name>
    name
  </name>
  <lacp-receive-state>
    lacp-receive-state
  </lacp-receive-state>
  <lacp-transmit-state>
    lacp-transmit-state
  </lacp-transmit-state>
  <lacp-mux-state>
    lacp-mux-state
  </lacp-mux-state>
</lag-lacp-protocol>

```

**Description** LACP protocol information

### <lag-lacp-protocol>

#### Usage

```

<lag-traffic-statistics>
  <lag-lacp-protocol>

```

```
<name>
  name
</name>
<lacp-receive-state>
  lacp-receive-state
</lacp-receive-state>
<lacp-transmit-state>
  lacp-transmit-state
</lacp-transmit-state>
<lacp-mux-state>
  lacp-mux-state
</lacp-mux-state>
</lag-lACP-protocol>
</lag-traffic-statistics>
```

**Description** LACP protocol information

### <lag-lACP-protocol>

#### Usage

```
<logical-interface>
<lag-traffic-statistics>
<lag-lACP-protocol>
  <name>
    name
  </name>
  <lacp-receive-state>
    lacp-receive-state
  </lacp-receive-state>
  <lacp-transmit-state>
    lacp-transmit-state
  </lacp-transmit-state>
  <lacp-mux-state>
    lacp-mux-state
  </lacp-mux-state>
</lag-lACP-protocol>
</lag-traffic-statistics>
</logical-interface>
```

**Description** LACP protocol information

### <lag-lACP-protocol>

#### Usage

```
<physical-interface>
<logical-interface>
  <lag-traffic-statistics>
    <lag-lACP-protocol>
      <name>
        name
      </name>
      <lacp-receive-state>
```



```

        lacp-receive-state
      </lacp-receive-state>
    <lacp-transmit-state>
      lacp-transmit-state
    </lacp-transmit-state>
    <lacp-mux-state>
      lacp-mux-state
    </lacp-mux-state>
  </lag-lACP-protocol>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>

```

**Description** LACP protocol information

### <lag-lACP-protocol>

#### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-lACP-protocol>
          <name>
            name
          </name>
          <lacp-receive-state>
            lacp-receive-state
          </lacp-receive-state>
          <lacp-transmit-state>
            lacp-transmit-state
          </lacp-transmit-state>
          <lacp-mux-state>
            lacp-mux-state
          </lacp-mux-state>
        </lag-lACP-protocol>
      </lag-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-information>

```

**Description** LACP protocol information

### <lag-lACP-protocol>

#### Usage

```

<interface-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-lACP-protocol>
        <name>
          name
        </name>
      </lag-lACP-protocol>
    </lag-traffic-statistics>
  </logical-interface>
</interface-information>

```

```
</name>
<lacp-receive-state>
  lacp-receive-state
</lacp-receive-state>
<lacp-transmit-state>
  lacp-transmit-state
</lacp-transmit-state>
<lacp-mux-state>
  lacp-mux-state
</lacp-mux-state>
</lag-lacp-protocol>
</lag-traffic-statistics>
</logical-interface>
</interface-information>
```

**Description** LACP protocol information

### <lag-lacp-protocol>

#### Usage

```
<interface-filter-information>
<physical-interface>
<logical-interface>
  <lag-traffic-statistics>
    <lag-lacp-protocol>
      <name>
        name
      </name>
      <lacp-receive-state>
        lacp-receive-state
      </lacp-receive-state>
      <lacp-transmit-state>
        lacp-transmit-state
      </lacp-transmit-state>
      <lacp-mux-state>
        lacp-mux-state
      </lacp-mux-state>
    </lag-lacp-protocol>
  </lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

**Description** LACP protocol information

### <lag-lacp-protocol>

#### Usage

```
<interface-filter-information>
<logical-interface>
  <lag-traffic-statistics>
    <lag-lacp-protocol>
```

```

<name>
  name
</name>
<lacp-receive-state>
  lacp-receive-state
</lacp-receive-state>
<lacp-transmit-state>
  lacp-transmit-state
</lacp-transmit-state>
<lacp-mux-state>
  lacp-mux-state
</lacp-mux-state>
</lag-lacp-protocol>
</lag-traffic-statistics>
</logical-interface>
</interface-filter-information>

```

**Description** LACP protocol information

### <lag-lacp-protocol>

#### Usage

```

<interface-policer-information>
<physical-interface>
<logical-interface>
<lag-traffic-statistics>
<lag-lacp-protocol>
  <name>
    name
  </name>
  <lacp-receive-state>
    lacp-receive-state
  </lacp-receive-state>
  <lacp-transmit-state>
    lacp-transmit-state
  </lacp-transmit-state>
  <lacp-mux-state>
    lacp-mux-state
  </lacp-mux-state>
</lag-lacp-protocol>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** LACP protocol information

### <lag-lacp-protocol>

#### Usage

```

<interface-policer-information>
<logical-interface>

```

```
<lag-traffic-statistics>
  <lag-lacp-protocol>
    <name>
      name
    </name>
    <lacp-receive-state>
      lacp-receive-state
    </lacp-receive-state>
    <lacp-transmit-state>
      lacp-transmit-state
    </lacp-transmit-state>
    <lacp-mux-state>
      lacp-mux-state
    </lacp-mux-state>
  </lag-lacp-protocol>
</lag-traffic-statistics>
</logical-interface>
</interface-policer-information>
```

**Description** LACP protocol information

### <lag-lacp-state>

#### Usage

```
<lag-lacp-state>
  <name>
    name
  </name>
  <lacp-role>
    lacp-role
  </lacp-role>
  <lacp-expired>
    lacp-expired
  </lacp-expired>
  <lacp-defaulted>
    lacp-defaulted
  </lacp-defaulted>
  <lacp-distributing>
    lacp-distributing
  </lacp-distributing>
  <lacp-collecting>
    lacp-collecting
  </lacp-collecting>
  <lacp-synchronization>
    lacp-synchronization
  </lacp-synchronization>
  <lacp-aggregation>
    lacp-aggregation
  </lacp-aggregation>
  <lacp-timeout>
    lacp-timeout
  </lacp-timeout>
  <lacp-activity>
    lacp-activity
```

```

    </lacp-activity>
  </lag-lacp-state>

```

**Description** LACP protocol state information

### <lag-lacp-state>

#### Usage

```

<lag-traffic-statistics>
  <lag-lacp-state>
    <name>
      name
    </name>
    <lacp-role>
      lacp-role
    </lacp-role>
    <lacp-expired>
      lacp-expired
    </lacp-expired>
    <lacp-defaulted>
      lacp-defaulted
    </lacp-defaulted>
    <lacp-distributing>
      lacp-distributing
    </lacp-distributing>
    <lacp-collecting>
      lacp-collecting
    </lacp-collecting>
    <lacp-synchronization>
      lacp-synchronization
    </lacp-synchronization>
    <lacp-aggregation>
      lacp-aggregation
    </lacp-aggregation>
    <lacp-timeout>
      lacp-timeout
    </lacp-timeout>
    <lacp-activity>
      lacp-activity
    </lacp-activity>
  </lag-lacp-state>
</lag-traffic-statistics>

```

**Description** LACP protocol state information

### <lag-lacp-state>

#### Usage

```

<logical-interface>
  <lag-traffic-statistics>
    <lag-lacp-state>
      <name>

```

```
    name
  </name>
  <lacp-role>
    lacp-role
  </lacp-role>
  <lacp-expired>
    lacp-expired
  </lacp-expired>
  <lacp-defaulted>
    lacp-defaulted
  </lacp-defaulted>
  <lacp-distributing>
    lacp-distributing
  </lacp-distributing>
  <lacp-collecting>
    lacp-collecting
  </lacp-collecting>
  <lacp-synchronization>
    lacp-synchronization
  </lacp-synchronization>
  <lacp-aggregation>
    lacp-aggregation
  </lacp-aggregation>
  <lacp-timeout>
    lacp-timeout
  </lacp-timeout>
  <lacp-activity>
    lacp-activity
  </lacp-activity>
</lag-lacp-state>
</lag-traffic-statistics>
</logical-interface>
```

**Description** LACP protocol state information

## <lag-lacp-state>

### Usage

```
<physical-interface>
<logical-interface>
  <lag-traffic-statistics>
    <lag-lacp-state>
      <name>
        name
      </name>
      <lacp-role>
        lacp-role
      </lacp-role>
      <lacp-expired>
        lacp-expired
      </lacp-expired>
      <lacp-defaulted>
        lacp-defaulted
      </lacp-defaulted>
```

```

    <lacp-distributing>
      lacp-distributing
    </lacp-distributing>
    <lacp-collecting>
      lacp-collecting
    </lacp-collecting>
    <lacp-synchronization>
      lacp-synchronization
    </lacp-synchronization>
    <lacp-aggregation>
      lacp-aggregation
    </lacp-aggregation>
    <lacp-timeout>
      lacp-timeout
    </lacp-timeout>
    <lacp-activity>
      lacp-activity
    </lacp-activity>
  </lag-lacp-state>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>

```

**Description** LACP protocol state information

### <lag-lacp-state>

#### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-lacp-state>
          <name>
            name
          </name>
          <lacp-role>
            lacp-role
          </lacp-role>
          <lacp-expired>
            lacp-expired
          </lacp-expired>
          <lacp-defaulted>
            lacp-defaulted
          </lacp-defaulted>
          <lacp-distributing>
            lacp-distributing
          </lacp-distributing>
          <lacp-collecting>
            lacp-collecting
          </lacp-collecting>
          <lacp-synchronization>
            lacp-synchronization
          </lacp-synchronization>

```

```
<lacp-aggregation>
  lacp-aggregation
</lacp-aggregation>
<lacp-timeout>
  lacp-timeout
</lacp-timeout>
<lacp-activity>
  lacp-activity
</lacp-activity>
</lag-lacp-state>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** LACP protocol state information

### <lag-lacp-state>

#### Usage

```
<interface-information>
<logical-interface>
  <lag-traffic-statistics>
    <lag-lacp-state>
      <name>
        name
      </name>
      <lacp-role>
        lacp-role
      </lacp-role>
      <lacp-expired>
        lacp-expired
      </lacp-expired>
      <lacp-defaulted>
        lacp-defaulted
      </lacp-defaulted>
      <lacp-distributing>
        lacp-distributing
      </lacp-distributing>
      <lacp-collecting>
        lacp-collecting
      </lacp-collecting>
      <lacp-synchronization>
        lacp-synchronization
      </lacp-synchronization>
      <lacp-aggregation>
        lacp-aggregation
      </lacp-aggregation>
      <lacp-timeout>
        lacp-timeout
      </lacp-timeout>
      <lacp-activity>
        lacp-activity
      </lacp-activity>
```



```

    </lag-lacp-state>
  </lag-traffic-statistics>
</logical-interface>
</interface-information>

```

**Description** LACP protocol state information

### <lag-lacp-state>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-lacp-state>
          <name>
            name
          </name>
          <lacp-role>
            lacp-role
          </lacp-role>
          <lacp-expired>
            lacp-expired
          </lacp-expired>
          <lacp-defaulted>
            lacp-defaulted
          </lacp-defaulted>
          <lacp-distributing>
            lacp-distributing
          </lacp-distributing>
          <lacp-collecting>
            lacp-collecting
          </lacp-collecting>
          <lacp-synchronization>
            lacp-synchronization
          </lacp-synchronization>
          <lacp-aggregation>
            lacp-aggregation
          </lacp-aggregation>
          <lacp-timeout>
            lacp-timeout
          </lacp-timeout>
          <lacp-activity>
            lacp-activity
          </lacp-activity>
        </lag-lacp-state>
      </lag-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

**Description** LACP protocol state information

## <lag-lacp-state>

### Usage

```
<interface-filter-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-lacp-state>
        <name>
          name
        </name>
        <lacp-role>
          lacp-role
        </lacp-role>
        <lacp-expired>
          lacp-expired
        </lacp-expired>
        <lacp-defaulted>
          lacp-defaulted
        </lacp-defaulted>
        <lacp-distributing>
          lacp-distributing
        </lacp-distributing>
        <lacp-collecting>
          lacp-collecting
        </lacp-collecting>
        <lacp-synchronization>
          lacp-synchronization
        </lacp-synchronization>
        <lacp-aggregation>
          lacp-aggregation
        </lacp-aggregation>
        <lacp-timeout>
          lacp-timeout
        </lacp-timeout>
        <lacp-activity>
          lacp-activity
        </lacp-activity>
      </lag-lacp-state>
    </lag-traffic-statistics>
  </logical-interface>
</interface-filter-information>
```

**Description** LACP protocol state information

## <lag-lacp-state>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-lacp-state>
          <name>
```

```

    name
  </name>
  <lacp-role>
    lacp-role
  </lacp-role>
  <lacp-expired>
    lacp-expired
  </lacp-expired>
  <lacp-defaulted>
    lacp-defaulted
  </lacp-defaulted>
  <lacp-distributing>
    lacp-distributing
  </lacp-distributing>
  <lacp-collecting>
    lacp-collecting
  </lacp-collecting>
  <lacp-synchronization>
    lacp-synchronization
  </lacp-synchronization>
  <lacp-aggregation>
    lacp-aggregation
  </lacp-aggregation>
  <lacp-timeout>
    lacp-timeout
  </lacp-timeout>
  <lacp-activity>
    lacp-activity
  </lacp-activity>
</lag-lacp-state>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** LACP protocol state information

### <lag-lacp-state>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-lacp-state>
        <name>
          name
        </name>
        <lacp-role>
          lacp-role
        </lacp-role>
        <lacp-expired>
          lacp-expired
        </lacp-expired>
        <lacp-defaulted>

```

```
    lacp-defaulted
  </lacp-defaulted>
  <lacp-distributing>
    lacp-distributing
  </lacp-distributing>
  <lacp-collecting>
    lacp-collecting
  </lacp-collecting>
  <lacp-synchronization>
    lacp-synchronization
  </lacp-synchronization>
  <lacp-aggregation>
    lacp-aggregation
  </lacp-aggregation>
  <lacp-timeout>
    lacp-timeout
  </lacp-timeout>
  <lacp-activity>
    lacp-activity
  </lacp-activity>
</lag-lacp-state>
</lag-traffic-statistics>
</logical-interface>
</interface-policer-information>
```

**Description** LACP protocol state information

## <lag-lacp-statistics>

### Usage

```
<lag-lacp-statistics>
  <name>
    name
  </name>
  <lacp-rx-packets>
    lacp-rx-packets
  </lacp-rx-packets>
  <lacp-tx-packets>
    lacp-tx-packets
  </lacp-tx-packets>
  <unknown-rx-packets>
    unknown-rx-packets
  </unknown-rx-packets>
  <illegal-rx-packets>
    illegal-rx-packets
  </illegal-rx-packets>
</lag-lacp-statistics>
```

### Description

**<lag-lACP-statistics>****Usage**

```

<lag-traffic-statistics>
  <lag-lACP-statistics>
    <name>
      name
    </name>
    <lacp-rx-packets>
      lacp-rx-packets
    </lacp-rx-packets>
    <lacp-tx-packets>
      lacp-tx-packets
    </lacp-tx-packets>
    <unknown-rx-packets>
      unknown-rx-packets
    </unknown-rx-packets>
    <illegal-rx-packets>
      illegal-rx-packets
    </illegal-rx-packets>
  </lag-lACP-statistics>
</lag-traffic-statistics>

```

**Description****<lag-lACP-statistics>****Usage**

```

<logical-interface>
  <lag-traffic-statistics>
    <lag-lACP-statistics>
      <name>
        name
      </name>
      <lacp-rx-packets>
        lacp-rx-packets
      </lacp-rx-packets>
      <lacp-tx-packets>
        lacp-tx-packets
      </lacp-tx-packets>
      <unknown-rx-packets>
        unknown-rx-packets
      </unknown-rx-packets>
      <illegal-rx-packets>
        illegal-rx-packets
      </illegal-rx-packets>
    </lag-lACP-statistics>
  </lag-traffic-statistics>
</logical-interface>

```

**Description**

## <lag-lacp-statistics>

### Usage

```
<physical-interface>
<logical-interface>
  <lag-traffic-statistics>
    <lag-lacp-statistics>
      <name>
        name
      </name>
      <lacp-rx-packets>
        lacp-rx-packets
      </lacp-rx-packets>
      <lacp-tx-packets>
        lacp-tx-packets
      </lacp-tx-packets>
      <unknown-rx-packets>
        unknown-rx-packets
      </unknown-rx-packets>
      <illegal-rx-packets>
        illegal-rx-packets
      </illegal-rx-packets>
    </lag-lacp-statistics>
  </lag-traffic-statistics>
</logical-interface>
</physical-interface>
```

### Description

## <lag-lacp-statistics>

### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
  <lag-traffic-statistics>
    <lag-lacp-statistics>
      <name>
        name
      </name>
      <lacp-rx-packets>
        lacp-rx-packets
      </lacp-rx-packets>
      <lacp-tx-packets>
        lacp-tx-packets
      </lacp-tx-packets>
      <unknown-rx-packets>
        unknown-rx-packets
      </unknown-rx-packets>
      <illegal-rx-packets>
        illegal-rx-packets
      </illegal-rx-packets>
    </lag-lacp-statistics>
  </lag-traffic-statistics>
```

```

    </logical-interface>
  </physical-interface>
</interface-information>

```

## Description

### <lag-lacp-statistics>

#### Usage

```

<interface-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-lacp-statistics>
        <name>
          name
        </name>
        <lacp-rx-packets>
          lacp-rx-packets
        </lacp-rx-packets>
        <lacp-tx-packets>
          lacp-tx-packets
        </lacp-tx-packets>
        <unknown-rx-packets>
          unknown-rx-packets
        </unknown-rx-packets>
        <illegal-rx-packets>
          illegal-rx-packets
        </illegal-rx-packets>
      </lag-lacp-statistics>
    </lag-traffic-statistics>
  </logical-interface>
</interface-information>

```

## Description

### <lag-lacp-statistics>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-lacp-statistics>
          <name>
            name
          </name>
          <lacp-rx-packets>
            lacp-rx-packets
          </lacp-rx-packets>
          <lacp-tx-packets>
            lacp-tx-packets
          </lacp-tx-packets>
          <unknown-rx-packets>
            unknown-rx-packets

```

```
</unknown-rx-packets>
<illegal-rx-packets>
  illegal-rx-packets
</illegal-rx-packets>
</lag-lACP-statistics>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

## Description

### <lag-lACP-statistics>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-lACP-statistics>
        <name>
          name
        </name>
        <lACP-rx-packets>
          lACP-rx-packets
        </lACP-rx-packets>
        <lACP-tx-packets>
          lACP-tx-packets
        </lACP-tx-packets>
        <unknown-rx-packets>
          unknown-rx-packets
        </unknown-rx-packets>
        <illegal-rx-packets>
          illegal-rx-packets
        </illegal-rx-packets>
      </lag-lACP-statistics>
    </lag-traffic-statistics>
  </logical-interface>
</interface-filter-information>
```

## Description

### <lag-lACP-statistics>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-lACP-statistics>
          <name>
            name
          </name>
          <lACP-rx-packets>
            lACP-rx-packets
          </lACP-rx-packets>
        </lag-lACP-statistics>
      </lag-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```



```

    </lacp-rx-packets>
    <lacp-tx-packets>
      lacp-tx-packets
    </lacp-tx-packets>
    <unknown-rx-packets>
      unknown-rx-packets
    </unknown-rx-packets>
    <illegal-rx-packets>
      illegal-rx-packets
    </illegal-rx-packets>
  </lag-lACP-statistics>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

#### Description

### <lag-lACP-statistics>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-lACP-statistics>
        <name>
          name
        </name>
        <lacp-rx-packets>
          lacp-rx-packets
        </lacp-rx-packets>
        <lacp-tx-packets>
          lacp-tx-packets
        </lacp-tx-packets>
        <unknown-rx-packets>
          unknown-rx-packets
        </unknown-rx-packets>
        <illegal-rx-packets>
          illegal-rx-packets
        </illegal-rx-packets>
      </lag-lACP-statistics>
    </lag-traffic-statistics>
  </logical-interface>
</interface-policer-information>

```

#### Description

### <lag-link>

#### Usage

```

<lag-traffic-statistics>
  <lag-link>
    <name>
      name
    </name>
  </lag-link>
</lag-traffic-statistics>

```

```
</name>
<down>
  down
</down>
<input-packets>
  input-packets
</input-packets>
<input-pps>
  input-pps
</input-pps>
<input-bytes>
  input-bytes
</input-bytes>
<input-bps>
  input-bps
</input-bps>
<output-packets>
  output-packets
</output-packets>
<output-pps>
  output-pps
</output-pps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</lag-link>
</lag-traffic-statistics>
```

## Description

<lag-link>

## Usage

```
<logical-interface>
<lag-traffic-statistics>
  <lag-link>
    <name>
      name
    </name>
    <down>
      down
    </down>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
```

```

        input-bps
      </input-bps>
    <output-packets>
      output-packets
    </output-packets>
    <output-pps>
      output-pps
    </output-pps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </lag-link>
</lag-traffic-statistics>
</logical-interface>

```

#### Description

<lag-link>

#### Usage

```

<physical-interface>
<logical-interface>
  <lag-traffic-statistics>
    <lag-link>
      <name>
        name
      </name>
      <down>
        down
      </down>
      <input-packets>
        input-packets
      </input-packets>
      <input-pps>
        input-pps
      </input-pps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-packets>
        output-packets
      </output-packets>
      <output-pps>
        output-pps
      </output-pps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>

```

```
        output-bps
      </output-bps>
    </lag-link>
  </lag-traffic-statistics>
</logical-interface>
</physical-interface>
```

## Description

### <lag-link>

#### Usage

```
<interface-information>
<physical-interface>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-link>
        <name>
          name
        </name>
        <down>
          down
        </down>
        <input-packets>
          input-packets
        </input-packets>
        <input-pps>
          input-pps
        </input-pps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-packets>
          output-packets
        </output-packets>
        <output-pps>
          output-pps
        </output-pps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </lag-link>
    </lag-traffic-statistics>
  </logical-interface>
</physical-interface>
</interface-information>
```

## Description

## <lag-link>

### Usage

```

<interface-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-link>
        <name>
          name
        </name>
        <down>
          down
        </down>
        <input-packets>
          input-packets
        </input-packets>
        <input-pps>
          input-pps
        </input-pps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-packets>
          output-packets
        </output-packets>
        <output-pps>
          output-pps
        </output-pps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </lag-link>
    </lag-traffic-statistics>
  </logical-interface>
</interface-information>

```

### Description

## <lag-link>

### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-link>
          <name>
            name
          </name>
        </lag-link>
      </lag-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

```
</name>
<down>
  down
</down>
<input-packets>
  input-packets
</input-packets>
<input-pps>
  input-pps
</input-pps>
<input-bytes>
  input-bytes
</input-bytes>
<input-bps>
  input-bps
</input-bps>
<output-packets>
  output-packets
</output-packets>
<output-pps>
  output-pps
</output-pps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</lag-link>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

## Description

<lag-link>

## Usage

```
<interface-filter-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-link>
        <name>
          name
        </name>
        <down>
          down
        </down>
        <input-packets>
          input-packets
        </input-packets>
        <input-pps>
          input-pps
        </input-pps>
```

```

    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-packets>
      output-packets
    </output-packets>
    <output-pps>
      output-pps
    </output-pps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </lag-link>
</lag-traffic-statistics>
</logical-interface>
</interface-filter-information>

```

## Description

### <lag-link>

## Usage

```

<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-link>
        <name>
          name
        </name>
        <down>
          down
        </down>
        <input-packets>
          input-packets
        </input-packets>
        <input-pps>
          input-pps
        </input-pps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-packets>
          output-packets
        </output-packets>
        <output-pps>

```

```
        output-pps
      </output-pps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </lag-link>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

## Description

### <lag-link>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-link>
        <name>
          name
        </name>
        <down>
          down
        </down>
        <input-packets>
          input-packets
        </input-packets>
        <input-pps>
          input-pps
        </input-pps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-packets>
          output-packets
        </output-packets>
        <output-pps>
          output-pps
        </output-pps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </lag-link>
    </lag-traffic-statistics>
```



```

    </logical-interface>
  </interface-policer-information>

```

#### Description

#### <lag-marker>

#### Usage

```

<lag-traffic-statistics>
  <lag-marker>
    <name>
      name
    </name>
    <marker-rx-packets>
      marker-rx-packets
    </marker-rx-packets>
    <marker-response-tx-packets>
      marker-response-tx-packets
    </marker-response-tx-packets>
    <unknown-rx-packets>
      unknown-rx-packets
    </unknown-rx-packets>
    <illegal-rx-packets>
      illegal-rx-packets
    </illegal-rx-packets>
  </lag-marker>
</lag-traffic-statistics>

```

#### Description

#### <lag-marker>

#### Usage

```

<logical-interface>
  <lag-traffic-statistics>
    <lag-marker>
      <name>
        name
      </name>
      <marker-rx-packets>
        marker-rx-packets
      </marker-rx-packets>
      <marker-response-tx-packets>
        marker-response-tx-packets
      </marker-response-tx-packets>
      <unknown-rx-packets>
        unknown-rx-packets
      </unknown-rx-packets>
      <illegal-rx-packets>
        illegal-rx-packets
      </illegal-rx-packets>
    </lag-marker>
  </lag-traffic-statistics>

```

```
</logical-interface>
```

#### Description

### <lag-marker>

#### Usage

```
<physical-interface>
<logical-interface>
  <lag-traffic-statistics>
    <lag-marker>
      <name>
        name
      </name>
      <marker-rx-packets>
        marker-rx-packets
      </marker-rx-packets>
      <marker-response-tx-packets>
        marker-response-tx-packets
      </marker-response-tx-packets>
      <unknown-rx-packets>
        unknown-rx-packets
      </unknown-rx-packets>
      <illegal-rx-packets>
        illegal-rx-packets
      </illegal-rx-packets>
    </lag-marker>
  </lag-traffic-statistics>
</logical-interface>
</physical-interface>
```

#### Description

### <lag-marker>

#### Usage

```
<interface-information>
<physical-interface>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-marker>
        <name>
          name
        </name>
        <marker-rx-packets>
          marker-rx-packets
        </marker-rx-packets>
        <marker-response-tx-packets>
          marker-response-tx-packets
        </marker-response-tx-packets>
        <unknown-rx-packets>
          unknown-rx-packets
        </unknown-rx-packets>
        <illegal-rx-packets>
```

```

        illegal-rx-packets
      </illegal-rx-packets>
    </lag-marker>
  </lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>

```

#### Description

### <lag-marker>

#### Usage

```

<interface-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-marker>
        <name>
          name
        </name>
        <marker-rx-packets>
          marker-rx-packets
        </marker-rx-packets>
        <marker-response-tx-packets>
          marker-response-tx-packets
        </marker-response-tx-packets>
        <unknown-rx-packets>
          unknown-rx-packets
        </unknown-rx-packets>
        <illegal-rx-packets>
          illegal-rx-packets
        </illegal-rx-packets>
      </lag-marker>
    </lag-traffic-statistics>
  </logical-interface>
</interface-information>

```

#### Description

### <lag-marker>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-marker>
          <name>
            name
          </name>
          <marker-rx-packets>
            marker-rx-packets
          </marker-rx-packets>
          <marker-response-tx-packets>

```

```
        marker-response-tx-packets
      </marker-response-tx-packets>
    <unknown-rx-packets>
      unknown-rx-packets
    </unknown-rx-packets>
    <illegal-rx-packets>
      illegal-rx-packets
    </illegal-rx-packets>
  </lag-marker>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

#### Description

### <lag-marker>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-marker>
        <name>
          name
        </name>
        <marker-rx-packets>
          marker-rx-packets
        </marker-rx-packets>
        <marker-response-tx-packets>
          marker-response-tx-packets
        </marker-response-tx-packets>
        <unknown-rx-packets>
          unknown-rx-packets
        </unknown-rx-packets>
        <illegal-rx-packets>
          illegal-rx-packets
        </illegal-rx-packets>
      </lag-marker>
    </lag-traffic-statistics>
  </logical-interface>
</interface-filter-information>
```

#### Description

### <lag-marker>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-marker>
          <name>
```

```

        name
      </name>
    <marker-rx-packets>
      marker-rx-packets
    </marker-rx-packets>
    <marker-response-tx-packets>
      marker-response-tx-packets
    </marker-response-tx-packets>
    <unknown-rx-packets>
      unknown-rx-packets
    </unknown-rx-packets>
    <illegal-rx-packets>
      illegal-rx-packets
    </illegal-rx-packets>
  </lag-marker>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

#### Description

#### <lag-marker>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-marker>
        <name>
          name
        </name>
        <marker-rx-packets>
          marker-rx-packets
        </marker-rx-packets>
        <marker-response-tx-packets>
          marker-response-tx-packets
        </marker-response-tx-packets>
        <unknown-rx-packets>
          unknown-rx-packets
        </unknown-rx-packets>
        <illegal-rx-packets>
          illegal-rx-packets
        </illegal-rx-packets>
      </lag-marker>
    </lag-traffic-statistics>
  </logical-interface>
</interface-policer-information>

```

#### Description

## <lag-multicast-statistics>

### Usage

```
<lag-traffic-statistics>
  <lag-multicast-statistics>
    <lag-multicast-statistics-header>
      lag-multicast-statistics-header
    </lag-multicast-statistics-header>
    <lag-ipv4-multicast-statistics>....</lag-ipv4-multicast-statistics>
    <lag-ipv6-multicast-statistics>....</lag-ipv6-multicast-statistics>
  </lag-multicast-statistics>
</lag-traffic-statistics>
```

### Description

## <lag-multicast-statistics>

### Usage

```
<logical-interface>
  <lag-traffic-statistics>
    <lag-multicast-statistics>
      <lag-multicast-statistics-header>
        lag-multicast-statistics-header
      </lag-multicast-statistics-header>
      <lag-ipv4-multicast-statistics>....</lag-ipv4-multicast-statistics>
      <lag-ipv6-multicast-statistics>....</lag-ipv6-multicast-statistics>
    </lag-multicast-statistics>
  </lag-traffic-statistics>
</logical-interface>
```

### Description

## <lag-multicast-statistics>

### Usage

```
<physical-interface>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-multicast-statistics>
        <lag-multicast-statistics-header>
          lag-multicast-statistics-header
        </lag-multicast-statistics-header>
        <lag-ipv4-multicast-statistics>....</lag-ipv4-multicast-statistics>
        <lag-ipv6-multicast-statistics>....</lag-ipv6-multicast-statistics>
      </lag-multicast-statistics>
    </lag-traffic-statistics>
  </logical-interface>
</physical-interface>
```

### Description

## <lag-multicast-statistics>

### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-multicast-statistics>
          <lag-multicast-statistics-header>
            lag-multicast-statistics-header
          </lag-multicast-statistics-header>
          <lag-ipv4-multicast-statistics>....</lag-ipv4-multicast-statistics>
          <lag-ipv6-multicast-statistics>....</lag-ipv6-multicast-statistics>
        </lag-multicast-statistics>
      </lag-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-information>

```

### Description

## <lag-multicast-statistics>

### Usage

```

<interface-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-multicast-statistics>
        <lag-multicast-statistics-header>
          lag-multicast-statistics-header
        </lag-multicast-statistics-header>
        <lag-ipv4-multicast-statistics>....</lag-ipv4-multicast-statistics>
        <lag-ipv6-multicast-statistics>....</lag-ipv6-multicast-statistics>
      </lag-multicast-statistics>
    </lag-traffic-statistics>
  </logical-interface>
</interface-information>

```

### Description

## <lag-multicast-statistics>

### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-multicast-statistics>
          <lag-multicast-statistics-header>
            lag-multicast-statistics-header
          </lag-multicast-statistics-header>
          <lag-ipv4-multicast-statistics>....</lag-ipv4-multicast-statistics>
          <lag-ipv6-multicast-statistics>....</lag-ipv6-multicast-statistics>
        </lag-multicast-statistics>
      </lag-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

```
    </lag-multicast-statistics>
  </lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

#### Description

### <lag-multicast-statistics>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-multicast-statistics>
        <lag-multicast-statistics-header>
          lag-multicast-statistics-header
        </lag-multicast-statistics-header>
        <lag-ipv4-multicast-statistics>....</lag-ipv4-multicast-statistics>
        <lag-ipv6-multicast-statistics>....</lag-ipv6-multicast-statistics>
      </lag-multicast-statistics>
    </lag-traffic-statistics>
  </logical-interface>
</interface-filter-information>
```

#### Description

### <lag-multicast-statistics>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-multicast-statistics>
          <lag-multicast-statistics-header>
            lag-multicast-statistics-header
          </lag-multicast-statistics-header>
          <lag-ipv4-multicast-statistics>....</lag-ipv4-multicast-statistics>
          <lag-ipv6-multicast-statistics>....</lag-ipv6-multicast-statistics>
        </lag-multicast-statistics>
      </lag-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```

#### Description

### <lag-multicast-statistics>

#### Usage

```
<interface-policer-information>
  <logical-interface>
```



```

    <lag-traffic-statistics>
      <lag-multicast-statistics>
        <lag-multicast-statistics-header>
          lag-multicast-statistics-header
        </lag-multicast-statistics-header>
        <lag-ipv4-multicast-statistics>....</lag-ipv4-multicast-statistics>
        <lag-ipv6-multicast-statistics>....</lag-ipv6-multicast-statistics>
      </lag-multicast-statistics>
    </lag-traffic-statistics>
  </logical-interface>
</interface-policer-information>

```

#### Description

### <lag-targeting-summary>

#### Usage

```

    <lag-traffic-statistics>
      <lag-targeting-summary>
        <targeting-intf-name>
          targeting-intf-name
        </targeting-intf-name>
        <targeting-intf-type>
          targeting-intf-type
        </targeting-intf-type>
        <targeting-intf-link-state>
          targeting-intf-link-state
        </targeting-intf-link-state>
      </lag-targeting-summary>
    </lag-traffic-statistics>

```

#### Description

### <lag-targeting-summary>

#### Usage

```

  <logical-interface>
    <lag-traffic-statistics>
      <lag-targeting-summary>
        <targeting-intf-name>
          targeting-intf-name
        </targeting-intf-name>
        <targeting-intf-type>
          targeting-intf-type
        </targeting-intf-type>
        <targeting-intf-link-state>
          targeting-intf-link-state
        </targeting-intf-link-state>
      </lag-targeting-summary>
    </lag-traffic-statistics>
  </logical-interface>

```

#### Description

## <lag-targeting-summary>

### Usage

```
<physical-interface>
<logical-interface>
  <lag-traffic-statistics>
    <lag-targeting-summary>
      <targeting-intf-name>
        targeting-intf-name
      </targeting-intf-name>
      <targeting-intf-type>
        targeting-intf-type
      </targeting-intf-type>
      <targeting-intf-link-state>
        targeting-intf-link-state
      </targeting-intf-link-state>
    </lag-targeting-summary>
  </lag-traffic-statistics>
</logical-interface>
</physical-interface>
```

### Description

## <lag-targeting-summary>

### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
  <lag-traffic-statistics>
    <lag-targeting-summary>
      <targeting-intf-name>
        targeting-intf-name
      </targeting-intf-name>
      <targeting-intf-type>
        targeting-intf-type
      </targeting-intf-type>
      <targeting-intf-link-state>
        targeting-intf-link-state
      </targeting-intf-link-state>
    </lag-targeting-summary>
  </lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>
```

### Description

## <lag-targeting-summary>

### Usage

```
<interface-information>
<logical-interface>
```

```

<lag-traffic-statistics>
  <lag-targeting-summary>
    <targeting-intf-name>
      targeting-intf-name
    </targeting-intf-name>
    <targeting-intf-type>
      targeting-intf-type
    </targeting-intf-type>
    <targeting-intf-link-state>
      targeting-intf-link-state
    </targeting-intf-link-state>
  </lag-targeting-summary>
</lag-traffic-statistics>
</logical-interface>
</interface-information>

```

#### Description

### <lag-targeting-summary>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-targeting-summary>
          <targeting-intf-name>
            targeting-intf-name
          </targeting-intf-name>
          <targeting-intf-type>
            targeting-intf-type
          </targeting-intf-type>
          <targeting-intf-link-state>
            targeting-intf-link-state
          </targeting-intf-link-state>
        </lag-targeting-summary>
      </lag-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

#### Description

### <lag-targeting-summary>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-targeting-summary>
        <targeting-intf-name>
          targeting-intf-name
        </targeting-intf-name>
        <targeting-intf-type>

```

```
    targeting-intf-type
  </targeting-intf-type>
  <targeting-intf-link-state>
    targeting-intf-link-state
  </targeting-intf-link-state>
</lag-targeting-summary>
</lag-traffic-statistics>
</logical-interface>
</interface-filter-information>
```

#### Description

### <lag-targeting-summary>

#### Usage

```
<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-targeting-summary>
        <targeting-intf-name>
          targeting-intf-name
        </targeting-intf-name>
        <targeting-intf-type>
          targeting-intf-type
        </targeting-intf-type>
        <targeting-intf-link-state>
          targeting-intf-link-state
        </targeting-intf-link-state>
      </lag-targeting-summary>
    </lag-traffic-statistics>
  </logical-interface>
</physical-interface>
</interface-policer-information>
```

#### Description

### <lag-targeting-summary>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-targeting-summary>
        <targeting-intf-name>
          targeting-intf-name
        </targeting-intf-name>
        <targeting-intf-type>
          targeting-intf-type
        </targeting-intf-type>
        <targeting-intf-link-state>
          targeting-intf-link-state
        </targeting-intf-link-state>
      </lag-targeting-summary>
```

```

    </lag-traffic-statistics>
  </logical-interface>
</interface-policer-information>

```

#### Description

### <lag-traffic-statistics>

#### Usage

```

<lag-traffic-statistics>
  <lag-bundle>....</lag-bundle>
  <lag-multicast-statistics>....</lag-multicast-statistics>
  <lag-link>....</lag-link>
  <lag-targeting-summary>....</lag-targeting-summary>
  <lag-marker>....</lag-marker>
  <lag-lacp-statistics>....</lag-lacp-statistics>
  <lag-lacp-info>....</lag-lacp-info>
  <lag-lacp-state>....</lag-lacp-state>
  <lag-lacp-protocol>....</lag-lacp-protocol>
</lag-traffic-statistics>

```

#### Description

### <lag-traffic-statistics>

#### Usage

```

<logical-interface>
  <lag-traffic-statistics>
    <lag-bundle>....</lag-bundle>
    <lag-multicast-statistics>....</lag-multicast-statistics>
    <lag-link>....</lag-link>
    <lag-targeting-summary>....</lag-targeting-summary>
    <lag-marker>....</lag-marker>
    <lag-lacp-statistics>....</lag-lacp-statistics>
    <lag-lacp-info>....</lag-lacp-info>
    <lag-lacp-state>....</lag-lacp-state>
    <lag-lacp-protocol>....</lag-lacp-protocol>
  </lag-traffic-statistics>
</logical-interface>

```

#### Description

### <lag-traffic-statistics>

#### Usage

```

<physical-interface>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-bundle>....</lag-bundle>
      <lag-multicast-statistics>....</lag-multicast-statistics>
      <lag-link>....</lag-link>
      <lag-targeting-summary>....</lag-targeting-summary>
      <lag-marker>....</lag-marker>
    </lag-traffic-statistics>
  </logical-interface>
</physical-interface>

```

```
<lag-lacp-statistics>....</lag-lacp-statistics>
<lag-lacp-info>....</lag-lacp-info>
<lag-lacp-state>....</lag-lacp-state>
<lag-lacp-protocol>....</lag-lacp-protocol>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>
```

#### Description

### <lag-traffic-statistics>

#### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
  <lag-traffic-statistics>
    <lag-bundle>....</lag-bundle>
    <lag-multicast-statistics>....</lag-multicast-statistics>
    <lag-link>....</lag-link>
    <lag-targeting-summary>....</lag-targeting-summary>
    <lag-marker>....</lag-marker>
    <lag-lacp-statistics>....</lag-lacp-statistics>
    <lag-lacp-info>....</lag-lacp-info>
    <lag-lacp-state>....</lag-lacp-state>
    <lag-lacp-protocol>....</lag-lacp-protocol>
  </lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>
```

#### Description

### <lag-traffic-statistics>

#### Usage

```
<interface-information>
<logical-interface>
  <lag-traffic-statistics>
    <lag-bundle>....</lag-bundle>
    <lag-multicast-statistics>....</lag-multicast-statistics>
    <lag-link>....</lag-link>
    <lag-targeting-summary>....</lag-targeting-summary>
    <lag-marker>....</lag-marker>
    <lag-lacp-statistics>....</lag-lacp-statistics>
    <lag-lacp-info>....</lag-lacp-info>
    <lag-lacp-state>....</lag-lacp-state>
    <lag-lacp-protocol>....</lag-lacp-protocol>
  </lag-traffic-statistics>
</logical-interface>
</interface-information>
```

#### Description

**<lag-traffic-statistics>****Usage**

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-bundle>....</lag-bundle>
        <lag-multicast-statistics>....</lag-multicast-statistics>
        <lag-link>....</lag-link>
        <lag-targeting-summary>....</lag-targeting-summary>
        <lag-marker>....</lag-marker>
        <lag-lacp-statistics>....</lag-lacp-statistics>
        <lag-lacp-info>....</lag-lacp-info>
        <lag-lacp-state>....</lag-lacp-state>
        <lag-lacp-protocol>....</lag-lacp-protocol>
      </lag-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

**Description****<lag-traffic-statistics>****Usage**

```

<interface-filter-information>
  <logical-interface>
    <lag-traffic-statistics>
      <lag-bundle>....</lag-bundle>
      <lag-multicast-statistics>....</lag-multicast-statistics>
      <lag-link>....</lag-link>
      <lag-targeting-summary>....</lag-targeting-summary>
      <lag-marker>....</lag-marker>
      <lag-lacp-statistics>....</lag-lacp-statistics>
      <lag-lacp-info>....</lag-lacp-info>
      <lag-lacp-state>....</lag-lacp-state>
      <lag-lacp-protocol>....</lag-lacp-protocol>
    </lag-traffic-statistics>
  </logical-interface>
</interface-filter-information>

```

**Description****<lag-traffic-statistics>****Usage**

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <lag-traffic-statistics>
        <lag-bundle>....</lag-bundle>
        <lag-multicast-statistics>....</lag-multicast-statistics>

```

```
<lag-link>....</lag-link>
<lag-targeting-summary>....</lag-targeting-summary>
<lag-marker>....</lag-marker>
<lag-lacp-statistics>....</lag-lacp-statistics>
<lag-lacp-info>....</lag-lacp-info>
<lag-lacp-state>....</lag-lacp-state>
<lag-lacp-protocol>....</lag-lacp-protocol>
</lag-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

#### Description

### <lag-traffic-statistics>

#### Usage

```
<interface-policer-information>
<logical-interface>
  <lag-traffic-statistics>
    <lag-bundle>....</lag-bundle>
    <lag-multicast-statistics>....</lag-multicast-statistics>
    <lag-link>....</lag-link>
    <lag-targeting-summary>....</lag-targeting-summary>
    <lag-marker>....</lag-marker>
    <lag-lacp-statistics>....</lag-lacp-statistics>
    <lag-lacp-info>....</lag-lacp-info>
    <lag-lacp-state>....</lag-lacp-state>
    <lag-lacp-protocol>....</lag-lacp-protocol>
  </lag-traffic-statistics>
</logical-interface>
</interface-policer-information>
```

#### Description

### <layer2-input-policer-information>

#### Usage

```
<layer2-input-policer-information>
  <layer2-input-policer>
    layer2-input-policer
  </layer2-input-policer>
</layer2-input-policer-information>
```

**Description** Information about Layer 2 input policer for interface

### <layer2-input-policer-information>

#### Usage

```
<logical-interface>
  <layer2-input-policer-information>
    <layer2-input-policer>
```



```

        layer2-input-policer
      </layer2-input-policer>
    </layer2-input-policer-information>
  </logical-interface>

```

**Description** Information about Layer 2 input policer for interface

### <layer2-input-policer-information>

#### Usage

```

    <physical-interface>
      <logical-interface>
        <layer2-input-policer-information>
          <layer2-input-policer>
            layer2-input-policer
          </layer2-input-policer>
        </layer2-input-policer-information>
      </logical-interface>
    </physical-interface>
  </physical-interface>

```

**Description** Information about Layer 2 input policer for interface

### <layer2-input-policer-information>

#### Usage

```

    <interface-information>
      <physical-interface>
        <logical-interface>
          <layer2-input-policer-information>
            <layer2-input-policer>
              layer2-input-policer
            </layer2-input-policer>
          </layer2-input-policer-information>
        </logical-interface>
      </physical-interface>
    </interface-information>

```

**Description** Information about Layer 2 input policer for interface

### <layer2-input-policer-information>

#### Usage

```

    <interface-information>
      <logical-interface>
        <layer2-input-policer-information>
          <layer2-input-policer>
            layer2-input-policer
          </layer2-input-policer>
        </layer2-input-policer-information>
      </logical-interface>

```

</interface-information>

**Description** Information about Layer 2 input policer for interface

### <layer2-input-policer-information>

#### Usage

```
<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <layer2-input-policer-information>
      <layer2-input-policer>
        layer2-input-policer
      </layer2-input-policer>
    </layer2-input-policer-information>
  </logical-interface>
</physical-interface>
</interface-filter-information>
```

**Description** Information about Layer 2 input policer for interface

### <layer2-input-policer-information>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <layer2-input-policer-information>
      <layer2-input-policer>
        layer2-input-policer
      </layer2-input-policer>
    </layer2-input-policer-information>
  </logical-interface>
</interface-filter-information>
```

**Description** Information about Layer 2 input policer for interface

### <layer2-input-policer-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <layer2-input-policer-information>
      <layer2-input-policer>
        layer2-input-policer
      </layer2-input-policer>
    </layer2-input-policer-information>
  </logical-interface>
</physical-interface>
</interface-policer-information>
```

**Description** Information about Layer 2 input policer for interface

### <layer2-input-policer-information>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <layer2-input-policer-information>
      <layer2-input-policer>
        layer2-input-policer
      </layer2-input-policer>
    </layer2-input-policer-information>
  </logical-interface>
</interface-policer-information>
```

**Description** Information about Layer 2 input policer for interface

### <layer2-input-policer-statistics>

#### Usage

```
<layer2-input-policer-statistics>
  <policer-low-1q2-frames>
    policer-low-1q2-frames
  </policer-low-1q2-frames>
  <policer-medium-low-1q2-frames>
    policer-medium-low-1q2-frames
  </policer-medium-low-1q2-frames>
  <policer-medium-high-1q2-frames>
    policer-medium-high-1q2-frames
  </policer-medium-high-1q2-frames>
  <policer-high-1q2-frames>
    policer-high-1q2-frames
  </policer-high-1q2-frames>
  <policer-dropped-1q2-frames>
    policer-dropped-1q2-frames
  </policer-dropped-1q2-frames>
  <policer-low-frames>
    policer-low-frames
  </policer-low-frames>
  <policer-medium-low-frames>
    policer-medium-low-frames
  </policer-medium-low-frames>
  <policer-medium-high-frames>
    policer-medium-high-frames
  </policer-medium-high-frames>
  <policer-high-frames>
    policer-high-frames
  </policer-high-frames>
  <policer-dropped-frames>
    policer-dropped-frames
  </policer-dropped-frames>
  <policer-low-bytes>
    policer-low-bytes
```

```
</policer-low-bytes>
<policer-medium-low-bytes>
  policer-medium-low-bytes
</policer-medium-low-bytes>
<policer-medium-high-bytes>
  policer-medium-high-bytes
</policer-medium-high-bytes>
<policer-high-bytes>
  policer-high-bytes
</policer-high-bytes>
<policer-dropped-bytes>
  policer-dropped-bytes
</policer-dropped-bytes>
<policer-low-rate>
  policer-low-rate
</policer-low-rate>
<policer-medium-low-rate>
  policer-medium-low-rate
</policer-medium-low-rate>
<policer-medium-high-rate>
  policer-medium-high-rate
</policer-medium-high-rate>
<policer-high-rate>
  policer-high-rate
</policer-high-rate>
<policer-dropped-rate>
  policer-dropped-rate
</policer-dropped-rate>
</layer2-input-policer-statistics>
```

**Description** Layer 2 input policer statistics for interface

### <layer2-input-policer-statistics>

#### Usage

```
<logical-interface>
  <layer2-input-policer-statistics>
    <policer-low-iq2-frames>
      policer-low-iq2-frames
    </policer-low-iq2-frames>
    <policer-medium-low-iq2-frames>
      policer-medium-low-iq2-frames
    </policer-medium-low-iq2-frames>
    <policer-medium-high-iq2-frames>
      policer-medium-high-iq2-frames
    </policer-medium-high-iq2-frames>
    <policer-high-iq2-frames>
      policer-high-iq2-frames
    </policer-high-iq2-frames>
    <policer-dropped-iq2-frames>
      policer-dropped-iq2-frames
    </policer-dropped-iq2-frames>
    <policer-low-frames>
      policer-low-frames
```

```

</policer-low-frames>
<policer-medium-low-frames>
  policer-medium-low-frames
</policer-medium-low-frames>
<policer-medium-high-frames>
  policer-medium-high-frames
</policer-medium-high-frames>
<policer-high-frames>
  policer-high-frames
</policer-high-frames>
<policer-dropped-frames>
  policer-dropped-frames
</policer-dropped-frames>
<policer-low-bytes>
  policer-low-bytes
</policer-low-bytes>
<policer-medium-low-bytes>
  policer-medium-low-bytes
</policer-medium-low-bytes>
<policer-medium-high-bytes>
  policer-medium-high-bytes
</policer-medium-high-bytes>
<policer-high-bytes>
  policer-high-bytes
</policer-high-bytes>
<policer-dropped-bytes>
  policer-dropped-bytes
</policer-dropped-bytes>
<policer-low-rate>
  policer-low-rate
</policer-low-rate>
<policer-medium-low-rate>
  policer-medium-low-rate
</policer-medium-low-rate>
<policer-medium-high-rate>
  policer-medium-high-rate
</policer-medium-high-rate>
<policer-high-rate>
  policer-high-rate
</policer-high-rate>
<policer-dropped-rate>
  policer-dropped-rate
</policer-dropped-rate>
</layer2-input-policer-statistics>
</logical-interface>

```

**Description** Layer 2 input policer statistics for interface

### <layer2-input-policer-statistics>

#### Usage

```

<physical-interface>
<logical-interface>
  <layer2-input-policer-statistics>

```

```
<policer-low-iq2-frames>
  policer-low-iq2-frames
</policer-low-iq2-frames>
<policer-medium-low-iq2-frames>
  policer-medium-low-iq2-frames
</policer-medium-low-iq2-frames>
<policer-medium-high-iq2-frames>
  policer-medium-high-iq2-frames
</policer-medium-high-iq2-frames>
<policer-high-iq2-frames>
  policer-high-iq2-frames
</policer-high-iq2-frames>
<policer-dropped-iq2-frames>
  policer-dropped-iq2-frames
</policer-dropped-iq2-frames>
<policer-low-frames>
  policer-low-frames
</policer-low-frames>
<policer-medium-low-frames>
  policer-medium-low-frames
</policer-medium-low-frames>
<policer-medium-high-frames>
  policer-medium-high-frames
</policer-medium-high-frames>
<policer-high-frames>
  policer-high-frames
</policer-high-frames>
<policer-dropped-frames>
  policer-dropped-frames
</policer-dropped-frames>
<policer-low-bytes>
  policer-low-bytes
</policer-low-bytes>
<policer-medium-low-bytes>
  policer-medium-low-bytes
</policer-medium-low-bytes>
<policer-medium-high-bytes>
  policer-medium-high-bytes
</policer-medium-high-bytes>
<policer-high-bytes>
  policer-high-bytes
</policer-high-bytes>
<policer-dropped-bytes>
  policer-dropped-bytes
</policer-dropped-bytes>
<policer-low-rate>
  policer-low-rate
</policer-low-rate>
<policer-medium-low-rate>
  policer-medium-low-rate
</policer-medium-low-rate>
<policer-medium-high-rate>
  policer-medium-high-rate
</policer-medium-high-rate>
<policer-high-rate>
  policer-high-rate
```

```

    </policer-high-rate>
    <policer-dropped-rate>
      policer-dropped-rate
    </policer-dropped-rate>
  </layer2-input-policer-statistics>
</logical-interface>
</physical-interface>

```

**Description** Layer 2 input policer statistics for interface

### <layer2-input-policer-statistics>

#### Usage

```

<interface-information>
<physical-interface>
<logical-interface>
  <layer2-input-policer-statistics>
    <policer-low-iq2-frames>
      policer-low-iq2-frames
    </policer-low-iq2-frames>
    <policer-medium-low-iq2-frames>
      policer-medium-low-iq2-frames
    </policer-medium-low-iq2-frames>
    <policer-medium-high-iq2-frames>
      policer-medium-high-iq2-frames
    </policer-medium-high-iq2-frames>
    <policer-high-iq2-frames>
      policer-high-iq2-frames
    </policer-high-iq2-frames>
    <policer-dropped-iq2-frames>
      policer-dropped-iq2-frames
    </policer-dropped-iq2-frames>
    <policer-low-frames>
      policer-low-frames
    </policer-low-frames>
    <policer-medium-low-frames>
      policer-medium-low-frames
    </policer-medium-low-frames>
    <policer-medium-high-frames>
      policer-medium-high-frames
    </policer-medium-high-frames>
    <policer-high-frames>
      policer-high-frames
    </policer-high-frames>
    <policer-dropped-frames>
      policer-dropped-frames
    </policer-dropped-frames>
    <policer-low-bytes>
      policer-low-bytes
    </policer-low-bytes>
    <policer-medium-low-bytes>
      policer-medium-low-bytes
    </policer-medium-low-bytes>
    <policer-medium-high-bytes>

```

```

    policer-medium-high-bytes
  </policer-medium-high-bytes>
  <policer-high-bytes>
    policer-high-bytes
  </policer-high-bytes>
  <policer-dropped-bytes>
    policer-dropped-bytes
  </policer-dropped-bytes>
  <policer-low-rate>
    policer-low-rate
  </policer-low-rate>
  <policer-medium-low-rate>
    policer-medium-low-rate
  </policer-medium-low-rate>
  <policer-medium-high-rate>
    policer-medium-high-rate
  </policer-medium-high-rate>
  <policer-high-rate>
    policer-high-rate
  </policer-high-rate>
  <policer-dropped-rate>
    policer-dropped-rate
  </policer-dropped-rate>
</layer2-input-policer-statistics>
</logical-interface>
</physical-interface>
</interface-information>

```

**Description** Layer 2 input policer statistics for interface

### <layer2-input-policer-statistics>

#### Usage

```

<interface-information>
  <logical-interface>
    <layer2-input-policer-statistics>
      <policer-low-igmp-frames>
        policer-low-igmp-frames
      </policer-low-igmp-frames>
      <policer-medium-low-igmp-frames>
        policer-medium-low-igmp-frames
      </policer-medium-low-igmp-frames>
      <policer-medium-high-igmp-frames>
        policer-medium-high-igmp-frames
      </policer-medium-high-igmp-frames>
      <policer-high-igmp-frames>
        policer-high-igmp-frames
      </policer-high-igmp-frames>
      <policer-dropped-igmp-frames>
        policer-dropped-igmp-frames
      </policer-dropped-igmp-frames>
      <policer-low-frames>
        policer-low-frames
      </policer-low-frames>
    </layer2-input-policer-statistics>
  </logical-interface>
</interface-information>

```



```

<policer-medium-low-frames>
  policer-medium-low-frames
</policer-medium-low-frames>
<policer-medium-high-frames>
  policer-medium-high-frames
</policer-medium-high-frames>
<policer-high-frames>
  policer-high-frames
</policer-high-frames>
<policer-dropped-frames>
  policer-dropped-frames
</policer-dropped-frames>
<policer-low-bytes>
  policer-low-bytes
</policer-low-bytes>
<policer-medium-low-bytes>
  policer-medium-low-bytes
</policer-medium-low-bytes>
<policer-medium-high-bytes>
  policer-medium-high-bytes
</policer-medium-high-bytes>
<policer-high-bytes>
  policer-high-bytes
</policer-high-bytes>
<policer-dropped-bytes>
  policer-dropped-bytes
</policer-dropped-bytes>
<policer-low-rate>
  policer-low-rate
</policer-low-rate>
<policer-medium-low-rate>
  policer-medium-low-rate
</policer-medium-low-rate>
<policer-medium-high-rate>
  policer-medium-high-rate
</policer-medium-high-rate>
<policer-high-rate>
  policer-high-rate
</policer-high-rate>
<policer-dropped-rate>
  policer-dropped-rate
</policer-dropped-rate>
</layer2-input-policer-statistics>
</logical-interface>
</interface-information>

```

**Description** Layer 2 input policer statistics for interface

### <layer2-input-policer-statistics>

#### Usage

```

<interface-filter-information>
  <physical-interface>
  <logical-interface>

```

```
<layer2-input-policer-statistics>
  <policer-low-iq2-frames>
    policer-low-iq2-frames
  </policer-low-iq2-frames>
  <policer-medium-low-iq2-frames>
    policer-medium-low-iq2-frames
  </policer-medium-low-iq2-frames>
  <policer-medium-high-iq2-frames>
    policer-medium-high-iq2-frames
  </policer-medium-high-iq2-frames>
  <policer-high-iq2-frames>
    policer-high-iq2-frames
  </policer-high-iq2-frames>
  <policer-dropped-iq2-frames>
    policer-dropped-iq2-frames
  </policer-dropped-iq2-frames>
  <policer-low-frames>
    policer-low-frames
  </policer-low-frames>
  <policer-medium-low-frames>
    policer-medium-low-frames
  </policer-medium-low-frames>
  <policer-medium-high-frames>
    policer-medium-high-frames
  </policer-medium-high-frames>
  <policer-high-frames>
    policer-high-frames
  </policer-high-frames>
  <policer-dropped-frames>
    policer-dropped-frames
  </policer-dropped-frames>
  <policer-low-bytes>
    policer-low-bytes
  </policer-low-bytes>
  <policer-medium-low-bytes>
    policer-medium-low-bytes
  </policer-medium-low-bytes>
  <policer-medium-high-bytes>
    policer-medium-high-bytes
  </policer-medium-high-bytes>
  <policer-high-bytes>
    policer-high-bytes
  </policer-high-bytes>
  <policer-dropped-bytes>
    policer-dropped-bytes
  </policer-dropped-bytes>
  <policer-low-rate>
    policer-low-rate
  </policer-low-rate>
  <policer-medium-low-rate>
    policer-medium-low-rate
  </policer-medium-low-rate>
  <policer-medium-high-rate>
    policer-medium-high-rate
  </policer-medium-high-rate>
  <policer-high-rate>
```

```

        policer-high-rate
      </policer-high-rate>
      <policer-dropped-rate>
        policer-dropped-rate
      </policer-dropped-rate>
    </layer2-input-policer-statistics>
  </logical-interface>
</physical-interface>
</interface-filter-information>

```

**Description** Layer 2 input policer statistics for interface

### <layer2-input-policer-statistics>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <layer2-input-policer-statistics>
      <policer-low-iq2-frames>
        policer-low-iq2-frames
      </policer-low-iq2-frames>
      <policer-medium-low-iq2-frames>
        policer-medium-low-iq2-frames
      </policer-medium-low-iq2-frames>
      <policer-medium-high-iq2-frames>
        policer-medium-high-iq2-frames
      </policer-medium-high-iq2-frames>
      <policer-high-iq2-frames>
        policer-high-iq2-frames
      </policer-high-iq2-frames>
      <policer-dropped-iq2-frames>
        policer-dropped-iq2-frames
      </policer-dropped-iq2-frames>
      <policer-low-frames>
        policer-low-frames
      </policer-low-frames>
      <policer-medium-low-frames>
        policer-medium-low-frames
      </policer-medium-low-frames>
      <policer-medium-high-frames>
        policer-medium-high-frames
      </policer-medium-high-frames>
      <policer-high-frames>
        policer-high-frames
      </policer-high-frames>
      <policer-dropped-frames>
        policer-dropped-frames
      </policer-dropped-frames>
      <policer-low-bytes>
        policer-low-bytes
      </policer-low-bytes>
      <policer-medium-low-bytes>
        policer-medium-low-bytes
      </policer-medium-low-bytes>
    </layer2-input-policer-statistics>
  </logical-interface>
</interface-filter-information>

```

```
<policer-medium-high-bytes>
  policer-medium-high-bytes
</policer-medium-high-bytes>
<policer-high-bytes>
  policer-high-bytes
</policer-high-bytes>
<policer-dropped-bytes>
  policer-dropped-bytes
</policer-dropped-bytes>
<policer-low-rate>
  policer-low-rate
</policer-low-rate>
<policer-medium-low-rate>
  policer-medium-low-rate
</policer-medium-low-rate>
<policer-medium-high-rate>
  policer-medium-high-rate
</policer-medium-high-rate>
<policer-high-rate>
  policer-high-rate
</policer-high-rate>
<policer-dropped-rate>
  policer-dropped-rate
</policer-dropped-rate>
</layer2-input-policer-statistics>
</logical-interface>
</interface-filter-information>
```

**Description** Layer 2 input policer statistics for interface

### <layer2-input-policer-statistics>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
  <layer2-input-policer-statistics>
    <policer-low-iq2-frames>
      policer-low-iq2-frames
    </policer-low-iq2-frames>
    <policer-medium-low-iq2-frames>
      policer-medium-low-iq2-frames
    </policer-medium-low-iq2-frames>
    <policer-medium-high-iq2-frames>
      policer-medium-high-iq2-frames
    </policer-medium-high-iq2-frames>
    <policer-high-iq2-frames>
      policer-high-iq2-frames
    </policer-high-iq2-frames>
    <policer-dropped-iq2-frames>
      policer-dropped-iq2-frames
    </policer-dropped-iq2-frames>
    <policer-low-frames>
      policer-low-frames
```

```

</policer-low-frames>
<policer-medium-low-frames>
  policer-medium-low-frames
</policer-medium-low-frames>
<policer-medium-high-frames>
  policer-medium-high-frames
</policer-medium-high-frames>
<policer-high-frames>
  policer-high-frames
</policer-high-frames>
<policer-dropped-frames>
  policer-dropped-frames
</policer-dropped-frames>
<policer-low-bytes>
  policer-low-bytes
</policer-low-bytes>
<policer-medium-low-bytes>
  policer-medium-low-bytes
</policer-medium-low-bytes>
<policer-medium-high-bytes>
  policer-medium-high-bytes
</policer-medium-high-bytes>
<policer-high-bytes>
  policer-high-bytes
</policer-high-bytes>
<policer-dropped-bytes>
  policer-dropped-bytes
</policer-dropped-bytes>
<policer-low-rate>
  policer-low-rate
</policer-low-rate>
<policer-medium-low-rate>
  policer-medium-low-rate
</policer-medium-low-rate>
<policer-medium-high-rate>
  policer-medium-high-rate
</policer-medium-high-rate>
<policer-high-rate>
  policer-high-rate
</policer-high-rate>
<policer-dropped-rate>
  policer-dropped-rate
</policer-dropped-rate>
</layer2-input-policer-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** Layer 2 input policer statistics for interface

### <layer2-input-policer-statistics>

#### Usage

```
<interface-policer-information>
```

```
<logical-interface>
  <layer2-input-policer-statistics>
    <policer-low-iq2-frames>
      policer-low-iq2-frames
    </policer-low-iq2-frames>
    <policer-medium-low-iq2-frames>
      policer-medium-low-iq2-frames
    </policer-medium-low-iq2-frames>
    <policer-medium-high-iq2-frames>
      policer-medium-high-iq2-frames
    </policer-medium-high-iq2-frames>
    <policer-high-iq2-frames>
      policer-high-iq2-frames
    </policer-high-iq2-frames>
    <policer-dropped-iq2-frames>
      policer-dropped-iq2-frames
    </policer-dropped-iq2-frames>
    <policer-low-frames>
      policer-low-frames
    </policer-low-frames>
    <policer-medium-low-frames>
      policer-medium-low-frames
    </policer-medium-low-frames>
    <policer-medium-high-frames>
      policer-medium-high-frames
    </policer-medium-high-frames>
    <policer-high-frames>
      policer-high-frames
    </policer-high-frames>
    <policer-dropped-frames>
      policer-dropped-frames
    </policer-dropped-frames>
    <policer-low-bytes>
      policer-low-bytes
    </policer-low-bytes>
    <policer-medium-low-bytes>
      policer-medium-low-bytes
    </policer-medium-low-bytes>
    <policer-medium-high-bytes>
      policer-medium-high-bytes
    </policer-medium-high-bytes>
    <policer-high-bytes>
      policer-high-bytes
    </policer-high-bytes>
    <policer-dropped-bytes>
      policer-dropped-bytes
    </policer-dropped-bytes>
    <policer-low-rate>
      policer-low-rate
    </policer-low-rate>
    <policer-medium-low-rate>
      policer-medium-low-rate
    </policer-medium-low-rate>
    <policer-medium-high-rate>
      policer-medium-high-rate
    </policer-medium-high-rate>
```

```
<policer-high-rate>
  policer-high-rate
</policer-high-rate>
<policer-dropped-rate>
  policer-dropped-rate
</policer-dropped-rate>
</layer2-input-policer-statistics>
</logical-interface>
</interface-policer-information>
```

**Description** Layer 2 input policer statistics for interface

### <layer2-output-policer-information>

**Usage**

```
<layer2-output-policer-information>
  <layer2-output-policer>
    layer2-output-policer
  </layer2-output-policer>
</layer2-output-policer-information>
```

**Description** Information about Layer 2 output policer for interface

### <layer2-output-policer-information>

**Usage**

```
<logical-interface>
  <layer2-output-policer-information>
    <layer2-output-policer>
      layer2-output-policer
    </layer2-output-policer>
  </layer2-output-policer-information>
</logical-interface>
```

**Description** Information about Layer 2 output policer for interface

### <layer2-output-policer-information>

**Usage**

```
<physical-interface>
  <logical-interface>
    <layer2-output-policer-information>
      <layer2-output-policer>
        layer2-output-policer
      </layer2-output-policer>
    </layer2-output-policer-information>
  </logical-interface>
</physical-interface>
```

**Description** Information about Layer 2 output policer for interface

### <layer2-output-policer-information>

**Usage**

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <layer2-output-policer-information>
        <layer2-output-policer>
          layer2-output-policer
        </layer2-output-policer>
      </layer2-output-policer-information>
    </logical-interface>
  </physical-interface>
</interface-information>
```

**Description** Information about Layer 2 output policer for interface

### <layer2-output-policer-information>

**Usage**

```
<interface-information>
  <logical-interface>
    <layer2-output-policer-information>
      <layer2-output-policer>
        layer2-output-policer
      </layer2-output-policer>
    </layer2-output-policer-information>
  </logical-interface>
</interface-information>
```

**Description** Information about Layer 2 output policer for interface

### <layer2-output-policer-information>

**Usage**

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <layer2-output-policer-information>
        <layer2-output-policer>
          layer2-output-policer
        </layer2-output-policer>
      </layer2-output-policer-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description** Information about Layer 2 output policer for interface



**<layer2-output-policer-information>****Usage**

```
<interface-filter-information>
  <logical-interface>
    <layer2-output-policer-information>
      <layer2-output-policer>
        layer2-output-policer
      </layer2-output-policer>
    </layer2-output-policer-information>
  </logical-interface>
</interface-filter-information>
```

**Description** Information about Layer 2 output policer for interface

**<layer2-output-policer-information>****Usage**

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <layer2-output-policer-information>
        <layer2-output-policer>
          layer2-output-policer
        </layer2-output-policer>
      </layer2-output-policer-information>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```

**Description** Information about Layer 2 output policer for interface

**<layer2-output-policer-information>****Usage**

```
<interface-policer-information>
  <logical-interface>
    <layer2-output-policer-information>
      <layer2-output-policer>
        layer2-output-policer
      </layer2-output-policer>
    </layer2-output-policer-information>
  </logical-interface>
</interface-policer-information>
```

**Description** Information about Layer 2 output policer for interface

## &lt;layer2-output-policer-statistics&gt;

## Usage

```
<layer2-output-policer-statistics>
  <policer-low-iq2-frames>
    policer-low-iq2-frames
  </policer-low-iq2-frames>
  <policer-medium-low-iq2-frames>
    policer-medium-low-iq2-frames
  </policer-medium-low-iq2-frames>
  <policer-medium-high-iq2-frames>
    policer-medium-high-iq2-frames
  </policer-medium-high-iq2-frames>
  <policer-high-iq2-frames>
    policer-high-iq2-frames
  </policer-high-iq2-frames>
  <policer-dropped-iq2-frames>
    policer-dropped-iq2-frames
  </policer-dropped-iq2-frames>
  <policer-low-frames>
    policer-low-frames
  </policer-low-frames>
  <policer-medium-low-frames>
    policer-medium-low-frames
  </policer-medium-low-frames>
  <policer-medium-high-frames>
    policer-medium-high-frames
  </policer-medium-high-frames>
  <policer-high-frames>
    policer-high-frames
  </policer-high-frames>
  <policer-dropped-frames>
    policer-dropped-frames
  </policer-dropped-frames>
  <policer-low-bytes>
    policer-low-bytes
  </policer-low-bytes>
  <policer-medium-low-bytes>
    policer-medium-low-bytes
  </policer-medium-low-bytes>
  <policer-medium-high-bytes>
    policer-medium-high-bytes
  </policer-medium-high-bytes>
  <policer-high-bytes>
    policer-high-bytes
  </policer-high-bytes>
  <policer-dropped-bytes>
    policer-dropped-bytes
  </policer-dropped-bytes>
  <policer-low-rate>
    policer-low-rate
  </policer-low-rate>
  <policer-medium-low-rate>
    policer-medium-low-rate
  </policer-medium-low-rate>
```

```

    <policer-medium-high-rate>
      policer-medium-high-rate
    </policer-medium-high-rate>
    <policer-high-rate>
      policer-high-rate
    </policer-high-rate>
    <policer-dropped-rate>
      policer-dropped-rate
    </policer-dropped-rate>
  </layer2-output-policer-statistics>

```

**Description** Layer 2 output policer statistics for interface

### <layer2-output-policer-statistics>

#### Usage

```

<logical-interface>
  <layer2-output-policer-statistics>
    <policer-low-iq2-frames>
      policer-low-iq2-frames
    </policer-low-iq2-frames>
    <policer-medium-low-iq2-frames>
      policer-medium-low-iq2-frames
    </policer-medium-low-iq2-frames>
    <policer-medium-high-iq2-frames>
      policer-medium-high-iq2-frames
    </policer-medium-high-iq2-frames>
    <policer-high-iq2-frames>
      policer-high-iq2-frames
    </policer-high-iq2-frames>
    <policer-dropped-iq2-frames>
      policer-dropped-iq2-frames
    </policer-dropped-iq2-frames>
    <policer-low-frames>
      policer-low-frames
    </policer-low-frames>
    <policer-medium-low-frames>
      policer-medium-low-frames
    </policer-medium-low-frames>
    <policer-medium-high-frames>
      policer-medium-high-frames
    </policer-medium-high-frames>
    <policer-high-frames>
      policer-high-frames
    </policer-high-frames>
    <policer-dropped-frames>
      policer-dropped-frames
    </policer-dropped-frames>
    <policer-low-bytes>
      policer-low-bytes
    </policer-low-bytes>
    <policer-medium-low-bytes>
      policer-medium-low-bytes
    </policer-medium-low-bytes>
  </layer2-output-policer-statistics>

```

```
<policer-medium-high-bytes>
  policer-medium-high-bytes
</policer-medium-high-bytes>
<policer-high-bytes>
  policer-high-bytes
</policer-high-bytes>
<policer-dropped-bytes>
  policer-dropped-bytes
</policer-dropped-bytes>
<policer-low-rate>
  policer-low-rate
</policer-low-rate>
<policer-medium-low-rate>
  policer-medium-low-rate
</policer-medium-low-rate>
<policer-medium-high-rate>
  policer-medium-high-rate
</policer-medium-high-rate>
<policer-high-rate>
  policer-high-rate
</policer-high-rate>
<policer-dropped-rate>
  policer-dropped-rate
</policer-dropped-rate>
</layer2-output-policer-statistics>
</logical-interface>
```

**Description** Layer 2 output policer statistics for interface

### <layer2-output-policer-statistics>

#### Usage

```
<physical-interface>
<logical-interface>
  <layer2-output-policer-statistics>
    <policer-low-igmp-frames>
      policer-low-igmp-frames
    </policer-low-igmp-frames>
    <policer-medium-low-igmp-frames>
      policer-medium-low-igmp-frames
    </policer-medium-low-igmp-frames>
    <policer-medium-high-igmp-frames>
      policer-medium-high-igmp-frames
    </policer-medium-high-igmp-frames>
    <policer-high-igmp-frames>
      policer-high-igmp-frames
    </policer-high-igmp-frames>
    <policer-dropped-igmp-frames>
      policer-dropped-igmp-frames
    </policer-dropped-igmp-frames>
    <policer-low-frames>
      policer-low-frames
    </policer-low-frames>
    <policer-medium-low-frames>
```

```

    policer-medium-low-frames
  </policer-medium-low-frames>
  <policer-medium-high-frames>
    policer-medium-high-frames
  </policer-medium-high-frames>
  <policer-high-frames>
    policer-high-frames
  </policer-high-frames>
  <policer-dropped-frames>
    policer-dropped-frames
  </policer-dropped-frames>
  <policer-low-bytes>
    policer-low-bytes
  </policer-low-bytes>
  <policer-medium-low-bytes>
    policer-medium-low-bytes
  </policer-medium-low-bytes>
  <policer-medium-high-bytes>
    policer-medium-high-bytes
  </policer-medium-high-bytes>
  <policer-high-bytes>
    policer-high-bytes
  </policer-high-bytes>
  <policer-dropped-bytes>
    policer-dropped-bytes
  </policer-dropped-bytes>
  <policer-low-rate>
    policer-low-rate
  </policer-low-rate>
  <policer-medium-low-rate>
    policer-medium-low-rate
  </policer-medium-low-rate>
  <policer-medium-high-rate>
    policer-medium-high-rate
  </policer-medium-high-rate>
  <policer-high-rate>
    policer-high-rate
  </policer-high-rate>
  <policer-dropped-rate>
    policer-dropped-rate
  </policer-dropped-rate>
</layer2-output-policer-statistics>
</logical-interface>
</physical-interface>

```

**Description** Layer 2 output policer statistics for interface

### <layer2-output-policer-statistics>

#### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <layer2-output-policer-statistics>

```

```
<policer-low-iq2-frames>
  policer-low-iq2-frames
</policer-low-iq2-frames>
<policer-medium-low-iq2-frames>
  policer-medium-low-iq2-frames
</policer-medium-low-iq2-frames>
<policer-medium-high-iq2-frames>
  policer-medium-high-iq2-frames
</policer-medium-high-iq2-frames>
<policer-high-iq2-frames>
  policer-high-iq2-frames
</policer-high-iq2-frames>
<policer-dropped-iq2-frames>
  policer-dropped-iq2-frames
</policer-dropped-iq2-frames>
<policer-low-frames>
  policer-low-frames
</policer-low-frames>
<policer-medium-low-frames>
  policer-medium-low-frames
</policer-medium-low-frames>
<policer-medium-high-frames>
  policer-medium-high-frames
</policer-medium-high-frames>
<policer-high-frames>
  policer-high-frames
</policer-high-frames>
<policer-dropped-frames>
  policer-dropped-frames
</policer-dropped-frames>
<policer-low-bytes>
  policer-low-bytes
</policer-low-bytes>
<policer-medium-low-bytes>
  policer-medium-low-bytes
</policer-medium-low-bytes>
<policer-medium-high-bytes>
  policer-medium-high-bytes
</policer-medium-high-bytes>
<policer-high-bytes>
  policer-high-bytes
</policer-high-bytes>
<policer-dropped-bytes>
  policer-dropped-bytes
</policer-dropped-bytes>
<policer-low-rate>
  policer-low-rate
</policer-low-rate>
<policer-medium-low-rate>
  policer-medium-low-rate
</policer-medium-low-rate>
<policer-medium-high-rate>
  policer-medium-high-rate
</policer-medium-high-rate>
<policer-high-rate>
  policer-high-rate
```

```

    </policer-high-rate>
    <policer-dropped-rate>
      policer-dropped-rate
    </policer-dropped-rate>
  </layer2-output-policer-statistics>
</logical-interface>
</physical-interface>
</interface-information>

```

**Description** Layer 2 output policer statistics for interface

### <layer2-output-policer-statistics>

#### Usage

```

<interface-information>
  <logical-interface>
    <layer2-output-policer-statistics>
      <policer-low-iq2-frames>
        policer-low-iq2-frames
      </policer-low-iq2-frames>
      <policer-medium-low-iq2-frames>
        policer-medium-low-iq2-frames
      </policer-medium-low-iq2-frames>
      <policer-medium-high-iq2-frames>
        policer-medium-high-iq2-frames
      </policer-medium-high-iq2-frames>
      <policer-high-iq2-frames>
        policer-high-iq2-frames
      </policer-high-iq2-frames>
      <policer-dropped-iq2-frames>
        policer-dropped-iq2-frames
      </policer-dropped-iq2-frames>
      <policer-low-frames>
        policer-low-frames
      </policer-low-frames>
      <policer-medium-low-frames>
        policer-medium-low-frames
      </policer-medium-low-frames>
      <policer-medium-high-frames>
        policer-medium-high-frames
      </policer-medium-high-frames>
      <policer-high-frames>
        policer-high-frames
      </policer-high-frames>
      <policer-dropped-frames>
        policer-dropped-frames
      </policer-dropped-frames>
      <policer-low-bytes>
        policer-low-bytes
      </policer-low-bytes>
      <policer-medium-low-bytes>
        policer-medium-low-bytes
      </policer-medium-low-bytes>
      <policer-medium-high-bytes>

```

```
    policer-medium-high-bytes
  </policer-medium-high-bytes>
  <policer-high-bytes>
    policer-high-bytes
  </policer-high-bytes>
  <policer-dropped-bytes>
    policer-dropped-bytes
  </policer-dropped-bytes>
  <policer-low-rate>
    policer-low-rate
  </policer-low-rate>
  <policer-medium-low-rate>
    policer-medium-low-rate
  </policer-medium-low-rate>
  <policer-medium-high-rate>
    policer-medium-high-rate
  </policer-medium-high-rate>
  <policer-high-rate>
    policer-high-rate
  </policer-high-rate>
  <policer-dropped-rate>
    policer-dropped-rate
  </policer-dropped-rate>
</layer2-output-policer-statistics>
</logical-interface>
</interface-information>
```

**Description** Layer 2 output policer statistics for interface

### <layer2-output-policer-statistics>

#### Usage

```
<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <layer2-output-policer-statistics>
      <policer-low-iq2-frames>
        policer-low-iq2-frames
      </policer-low-iq2-frames>
      <policer-medium-low-iq2-frames>
        policer-medium-low-iq2-frames
      </policer-medium-low-iq2-frames>
      <policer-medium-high-iq2-frames>
        policer-medium-high-iq2-frames
      </policer-medium-high-iq2-frames>
      <policer-high-iq2-frames>
        policer-high-iq2-frames
      </policer-high-iq2-frames>
      <policer-dropped-iq2-frames>
        policer-dropped-iq2-frames
      </policer-dropped-iq2-frames>
      <policer-low-frames>
        policer-low-frames
      </policer-low-frames>
```



```

<policer-medium-low-frames>
  policer-medium-low-frames
</policer-medium-low-frames>
<policer-medium-high-frames>
  policer-medium-high-frames
</policer-medium-high-frames>
<policer-high-frames>
  policer-high-frames
</policer-high-frames>
<policer-dropped-frames>
  policer-dropped-frames
</policer-dropped-frames>
<policer-low-bytes>
  policer-low-bytes
</policer-low-bytes>
<policer-medium-low-bytes>
  policer-medium-low-bytes
</policer-medium-low-bytes>
<policer-medium-high-bytes>
  policer-medium-high-bytes
</policer-medium-high-bytes>
<policer-high-bytes>
  policer-high-bytes
</policer-high-bytes>
<policer-dropped-bytes>
  policer-dropped-bytes
</policer-dropped-bytes>
<policer-low-rate>
  policer-low-rate
</policer-low-rate>
<policer-medium-low-rate>
  policer-medium-low-rate
</policer-medium-low-rate>
<policer-medium-high-rate>
  policer-medium-high-rate
</policer-medium-high-rate>
<policer-high-rate>
  policer-high-rate
</policer-high-rate>
<policer-dropped-rate>
  policer-dropped-rate
</policer-dropped-rate>
</layer2-output-policer-statistics>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

**Description** Layer 2 output policer statistics for interface

### <layer2-output-policer-statistics>

#### Usage

```

<interface-filter-information>
<logical-interface>

```

```
<layer2-output-policer-statistics>
  <policer-low-iq2-frames>
    policer-low-iq2-frames
  </policer-low-iq2-frames>
  <policer-medium-low-iq2-frames>
    policer-medium-low-iq2-frames
  </policer-medium-low-iq2-frames>
  <policer-medium-high-iq2-frames>
    policer-medium-high-iq2-frames
  </policer-medium-high-iq2-frames>
  <policer-high-iq2-frames>
    policer-high-iq2-frames
  </policer-high-iq2-frames>
  <policer-dropped-iq2-frames>
    policer-dropped-iq2-frames
  </policer-dropped-iq2-frames>
  <policer-low-frames>
    policer-low-frames
  </policer-low-frames>
  <policer-medium-low-frames>
    policer-medium-low-frames
  </policer-medium-low-frames>
  <policer-medium-high-frames>
    policer-medium-high-frames
  </policer-medium-high-frames>
  <policer-high-frames>
    policer-high-frames
  </policer-high-frames>
  <policer-dropped-frames>
    policer-dropped-frames
  </policer-dropped-frames>
  <policer-low-bytes>
    policer-low-bytes
  </policer-low-bytes>
  <policer-medium-low-bytes>
    policer-medium-low-bytes
  </policer-medium-low-bytes>
  <policer-medium-high-bytes>
    policer-medium-high-bytes
  </policer-medium-high-bytes>
  <policer-high-bytes>
    policer-high-bytes
  </policer-high-bytes>
  <policer-dropped-bytes>
    policer-dropped-bytes
  </policer-dropped-bytes>
  <policer-low-rate>
    policer-low-rate
  </policer-low-rate>
  <policer-medium-low-rate>
    policer-medium-low-rate
  </policer-medium-low-rate>
  <policer-medium-high-rate>
    policer-medium-high-rate
  </policer-medium-high-rate>
  <policer-high-rate>
```

```

    policer-high-rate
  </policer-high-rate>
  <policer-dropped-rate>
    policer-dropped-rate
  </policer-dropped-rate>
</layer2-output-policer-statistics>
</logical-interface>
</interface-filter-information>

```

**Description** Layer 2 output policer statistics for interface

### <layer2-output-policer-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <layer2-output-policer-statistics>
      <policer-low-iq2-frames>
        policer-low-iq2-frames
      </policer-low-iq2-frames>
      <policer-medium-low-iq2-frames>
        policer-medium-low-iq2-frames
      </policer-medium-low-iq2-frames>
      <policer-medium-high-iq2-frames>
        policer-medium-high-iq2-frames
      </policer-medium-high-iq2-frames>
      <policer-high-iq2-frames>
        policer-high-iq2-frames
      </policer-high-iq2-frames>
      <policer-dropped-iq2-frames>
        policer-dropped-iq2-frames
      </policer-dropped-iq2-frames>
      <policer-low-frames>
        policer-low-frames
      </policer-low-frames>
      <policer-medium-low-frames>
        policer-medium-low-frames
      </policer-medium-low-frames>
      <policer-medium-high-frames>
        policer-medium-high-frames
      </policer-medium-high-frames>
      <policer-high-frames>
        policer-high-frames
      </policer-high-frames>
      <policer-dropped-frames>
        policer-dropped-frames
      </policer-dropped-frames>
      <policer-low-bytes>
        policer-low-bytes
      </policer-low-bytes>
      <policer-medium-low-bytes>
        policer-medium-low-bytes
      </policer-medium-low-bytes>
    </layer2-output-policer-statistics>
  </logical-interface>
</interface-policer-information>

```

```

    <policer-medium-high-bytes>
      policer-medium-high-bytes
    </policer-medium-high-bytes>
    <policer-high-bytes>
      policer-high-bytes
    </policer-high-bytes>
    <policer-dropped-bytes>
      policer-dropped-bytes
    </policer-dropped-bytes>
    <policer-low-rate>
      policer-low-rate
    </policer-low-rate>
    <policer-medium-low-rate>
      policer-medium-low-rate
    </policer-medium-low-rate>
    <policer-medium-high-rate>
      policer-medium-high-rate
    </policer-medium-high-rate>
    <policer-high-rate>
      policer-high-rate
    </policer-high-rate>
    <policer-dropped-rate>
      policer-dropped-rate
    </policer-dropped-rate>
  </layer2-output-policer-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** Layer 2 output policer statistics for interface

### <layer2-output-policer-statistics>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <layer2-output-policer-statistics>
      <policer-low-iq2-frames>
        policer-low-iq2-frames
      </policer-low-iq2-frames>
      <policer-medium-low-iq2-frames>
        policer-medium-low-iq2-frames
      </policer-medium-low-iq2-frames>
      <policer-medium-high-iq2-frames>
        policer-medium-high-iq2-frames
      </policer-medium-high-iq2-frames>
      <policer-high-iq2-frames>
        policer-high-iq2-frames
      </policer-high-iq2-frames>
      <policer-dropped-iq2-frames>
        policer-dropped-iq2-frames
      </policer-dropped-iq2-frames>
      <policer-low-frames>
        policer-low-frames

```

```

</policer-low-frames>
<policer-medium-low-frames>
  policer-medium-low-frames
</policer-medium-low-frames>
<policer-medium-high-frames>
  policer-medium-high-frames
</policer-medium-high-frames>
<policer-high-frames>
  policer-high-frames
</policer-high-frames>
<policer-dropped-frames>
  policer-dropped-frames
</policer-dropped-frames>
<policer-low-bytes>
  policer-low-bytes
</policer-low-bytes>
<policer-medium-low-bytes>
  policer-medium-low-bytes
</policer-medium-low-bytes>
<policer-medium-high-bytes>
  policer-medium-high-bytes
</policer-medium-high-bytes>
<policer-high-bytes>
  policer-high-bytes
</policer-high-bytes>
<policer-dropped-bytes>
  policer-dropped-bytes
</policer-dropped-bytes>
<policer-low-rate>
  policer-low-rate
</policer-low-rate>
<policer-medium-low-rate>
  policer-medium-low-rate
</policer-medium-low-rate>
<policer-medium-high-rate>
  policer-medium-high-rate
</policer-medium-high-rate>
<policer-high-rate>
  policer-high-rate
</policer-high-rate>
<policer-dropped-rate>
  policer-dropped-rate
</policer-dropped-rate>
</layer2-output-policer-statistics>
</logical-interface>
</interface-policer-information>

```

**Description** Layer 2 output policer statistics for interface

<lfi>

**Usage**

```

<lfi>
<input-frames>

```

```
    input-frames
  </input-frames>
  <input-fps>
    input-fps
  </input-fps>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-frames>
    output-frames
  </output-frames>
  <output-fps>
    output-fps
  </output-fps>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-bps>
    output-bps
  </output-bps>
</lfi>
```

**Description** LFI frame statistics for multilink bundles and classes

<lfi>

#### Usage

```
<multilink-traffic-statistics>
  <multilink-detail-statistics>
    <bundle-detail>
      <lfi>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
        </output-frames>
        <output-fps>
          output-fps
        </output-fps>
        <output-bytes>
          output-bytes
```

```

    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </lfi>
</bundle-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>

```

**Description** LFI frame statistics for multilink bundles and classes

<lfi>

#### Usage

```

<logical-interface>
  <multilink-traffic-statistics>
    <multilink-detail-statistics>
      <bundle-detail>
        <lfi>
          <input-frames>
            input-frames
          </input-frames>
          <input-fps>
            input-fps
          </input-fps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-frames>
            output-frames
          </output-frames>
          <output-fps>
            output-fps
          </output-fps>
          <output-bytes>
            output-bytes
          </output-bytes>
          <output-bps>
            output-bps
          </output-bps>
        </lfi>
      </bundle-detail>
    </multilink-detail-statistics>
  </multilink-traffic-statistics>
</logical-interface>

```

**Description** LFI frame statistics for multilink bundles and classes

**<lfi>****Usage**

```
<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <multilink-detail-statistics>
      <bundle-detail>
        <lfi>
          <input-frames>
            input-frames
          </input-frames>
          <input-fps>
            input-fps
          </input-fps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-frames>
            output-frames
          </output-frames>
          <output-fps>
            output-fps
          </output-fps>
          <output-bytes>
            output-bytes
          </output-bytes>
          <output-bps>
            output-bps
          </output-bps>
        </lfi>
      </bundle-detail>
    </multilink-detail-statistics>
  </multilink-traffic-statistics>
</logical-interface>
</physical-interface>
```

**Description** LFI frame statistics for multilink bundles and classes

**<lfi>****Usage**

```
<interface-information>
<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <multilink-detail-statistics>
      <bundle-detail>
        <lfi>
          <input-frames>
```



```

        input-frames
      </input-frames>
    <input-fps>
      input-fps
    </input-fps>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-frames>
      output-frames
    </output-frames>
    <output-fps>
      output-fps
    </output-fps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </lfi>
</bundle-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>

```

**Description** LFI frame statistics for multilink bundles and classes

<lfi>

#### Usage

```

<interface-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>
          <lfi>
            <input-frames>
              input-frames
            </input-frames>
            <input-fps>
              input-fps
            </input-fps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>
              input-bps
            </input-bps>
          </lfi>
        </bundle-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-information>

```

```
<output-frames>
  output-frames
</output-frames>
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</lfi>
</bundle-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</interface-information>
```

**Description** LFI frame statistics for multilink bundles and classes

## <lfi>

### Usage

```
<interface-filter-information>
<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
  <multilink-detail-statistics>
  <bundle-detail>
    <lfi>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-frames>
        output-frames
      </output-frames>
      <output-fps>
        output-fps
      </output-fps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
    </lfi>
  </bundle-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

```

        </output-bps>
      </lfi>
    </bundle-detail>
  </multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

**Description** LFI frame statistics for multilink bundles and classes

<lfi>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>
          <lfi>
            <input-frames>
              input-frames
            </input-frames>
            <input-fps>
              input-fps
            </input-fps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>
              input-bps
            </input-bps>
            <output-frames>
              output-frames
            </output-frames>
            <output-fps>
              output-fps
            </output-fps>
            <output-bytes>
              output-bytes
            </output-bytes>
            <output-bps>
              output-bps
            </output-bps>
          </lfi>
        </bundle-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-filter-information>

```

**Description** LFI frame statistics for multilink bundles and classes

## &lt;lfi&gt;

## Usage

```
<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>
          <lfi>
            <input-frames>
              input-frames
            </input-frames>
            <input-fps>
              input-fps
            </input-fps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>
              input-bps
            </input-bps>
            <output-frames>
              output-frames
            </output-frames>
            <output-fps>
              output-fps
            </output-fps>
            <output-bytes>
              output-bytes
            </output-bytes>
            <output-bps>
              output-bps
            </output-bps>
          </lfi>
        </bundle-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</physical-interface>
</interface-policer-information>
```

**Description** LFI frame statistics for multilink bundles and classes

## &lt;lfi&gt;

## Usage

```
<interface-policer-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>
          <lfi>
```

```

<input-frames>
  input-frames
</input-frames>
<input-fps>
  input-fps
</input-fps>
<input-bytes>
  input-bytes
</input-bytes>
<input-bps>
  input-bps
</input-bps>
<output-frames>
  output-frames
</output-frames>
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</lfi>
</bundle-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</interface-policer-information>

```

**Description** LFI frame statistics for multilink bundles and classes

## <line-protocol>

### Usage

```

<serial-information>
  <line-protocol>
    <line-protocol-mode>
      line-protocol-mode
    </line-protocol-mode>
  </line-protocol>
</serial-information>

```

**Description**

## <line-protocol>

### Usage

```

<physical-interface>
  <serial-information>
    <line-protocol>
      <line-protocol-mode>

```

```

        line-protocol-mode
      </line-protocol-mode>
    </line-protocol>
  </serial-information>
</physical-interface>

```

#### Description

<line-protocol>

#### Usage

```

<interface-information>
  <physical-interface>
    <serial-information>
      <line-protocol>
        <line-protocol-mode>
          line-protocol-mode
        </line-protocol-mode>
      </line-protocol>
    </serial-information>
  </physical-interface>
</interface-information>

```

#### Description

<line-protocol>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <serial-information>
      <line-protocol>
        <line-protocol-mode>
          line-protocol-mode
        </line-protocol-mode>
      </line-protocol>
    </serial-information>
  </physical-interface>
</interface-filter-information>

```

#### Description

<line-protocol>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <serial-information>
      <line-protocol>
        <line-protocol-mode>
          line-protocol-mode
        </line-protocol-mode>
      </line-protocol>
    </serial-information>
  </physical-interface>
</interface-policer-information>

```

```

    </serial-information>
  </physical-interface>
</interface-policer-information>

```

#### Description

### <linear-red-drop-profile>

#### Usage

```

<atm-cos-queue-parameters>
  <linear-red-drop-profile>
    <queue-depth>
      queue-depth
    </queue-depth>
    <low-red>
      low-red
    </low-red>
    <high-red>
      high-red
    </high-red>
    <max-low-red>
      max-low-red
    </max-low-red>
    <max-high-red>
      max-high-red
    </max-high-red>
  </linear-red-drop-profile>
</atm-cos-queue-parameters>

```

#### Description

### <linear-red-drop-profile>

#### Usage

```

<atm-cos-queue>
  <atm-cos-queue-parameters>
    <linear-red-drop-profile>
      <queue-depth>
        queue-depth
      </queue-depth>
      <low-red>
        low-red
      </low-red>
      <high-red>
        high-red
      </high-red>
      <max-low-red>
        max-low-red
      </max-low-red>
      <max-high-red>
        max-high-red
      </max-high-red>
    </linear-red-drop-profile>
  </atm-cos-queue-parameters>

```

</atm-cos-queue>

#### Description

### <linear-red-drop-profile>

#### Usage

```
<atm-cos-information>
  <atm-cos-queue>
    <atm-cos-queue-parameters>
      <linear-red-drop-profile>
        <queue-depth>
          queue-depth
        </queue-depth>
        <low-red>
          low-red
        </low-red>
        <high-red>
          high-red
        </high-red>
        <max-low-red>
          max-low-red
        </max-low-red>
        <max-high-red>
          max-high-red
        </max-high-red>
      </linear-red-drop-profile>
    </atm-cos-queue-parameters>
  </atm-cos-queue>
</atm-cos-information>
```

#### Description

### <linear-red-drop-profile>

#### Usage

```
<virtual-circuit-information>
  <atm-cos-information>
    <atm-cos-queue>
      <atm-cos-queue-parameters>
        <linear-red-drop-profile>
          <queue-depth>
            queue-depth
          </queue-depth>
          <low-red>
            low-red
          </low-red>
          <high-red>
            high-red
          </high-red>
          <max-low-red>
            max-low-red
          </max-low-red>
          <max-high-red>
```



```

        max-high-red
      </max-high-red>
    </linear-red-drop-profile>
  </atm-cos-queue-parameters>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>

```

#### Description

### <linear-red-drop-profile>

#### Usage

```

<logical-interface>
  <virtual-circuit-information>
    <atm-cos-information>
      <atm-cos-queue>
        <atm-cos-queue-parameters>
          <linear-red-drop-profile>
            <queue-depth>
              queue-depth
            </queue-depth>
            <low-red>
              low-red
            </low-red>
            <high-red>
              high-red
            </high-red>
            <max-low-red>
              max-low-red
            </max-low-red>
            <max-high-red>
              max-high-red
            </max-high-red>
          </linear-red-drop-profile>
        </atm-cos-queue-parameters>
      </atm-cos-queue>
    </atm-cos-information>
  </virtual-circuit-information>
</logical-interface>

```

#### Description

### <linear-red-drop-profile>

#### Usage

```

<physical-interface>
  <logical-interface>
    <virtual-circuit-information>
      <atm-cos-information>
        <atm-cos-queue>
          <atm-cos-queue-parameters>
            <linear-red-drop-profile>
              <queue-depth>

```

```
        queue-depth
      </queue-depth>
    <low-red>
      low-red
    </low-red>
    <high-red>
      high-red
    </high-red>
    <max-low-red>
      max-low-red
    </max-low-red>
    <max-high-red>
      max-high-red
    </max-high-red>
  </linear-red-drop-profile>
</atm-cos-queue-parameters>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
```

## Description

### <linear-red-drop-profile>

#### Usage

```
<interface-information>
  <physical-interface>
  <logical-interface>
    <virtual-circuit-information>
      <atm-cos-information>
        <atm-cos-queue>
          <atm-cos-queue-parameters>
            <linear-red-drop-profile>
              <queue-depth>
                queue-depth
              </queue-depth>
              <low-red>
                low-red
              </low-red>
              <high-red>
                high-red
              </high-red>
              <max-low-red>
                max-low-red
              </max-low-red>
              <max-high-red>
                max-high-red
              </max-high-red>
            </linear-red-drop-profile>
          </atm-cos-queue-parameters>
        </atm-cos-queue>
      </atm-cos-information>
    </virtual-circuit-information>
```

```

    </logical-interface>
  </physical-interface>
</interface-information>

```

## Description

### <linear-red-drop-profile>

#### Usage

```

<interface-information>
  <logical-interface>
    <virtual-circuit-information>
      <atm-cos-information>
        <atm-cos-queue>
          <atm-cos-queue-parameters>
            <linear-red-drop-profile>
              <queue-depth>
                queue-depth
              </queue-depth>
              <low-red>
                low-red
              </low-red>
              <high-red>
                high-red
              </high-red>
              <max-low-red>
                max-low-red
              </max-low-red>
              <max-high-red>
                max-high-red
              </max-high-red>
            </linear-red-drop-profile>
          </atm-cos-queue-parameters>
        </atm-cos-queue>
      </atm-cos-information>
    </virtual-circuit-information>
  </logical-interface>
</interface-information>

```

## Description

### <linear-red-drop-profile>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <atm-cos-information>
          <atm-cos-queue>
            <atm-cos-queue-parameters>
              <linear-red-drop-profile>
                <queue-depth>
                  queue-depth

```

```
</queue-depth>
<low-red>
  low-red
</low-red>
<high-red>
  high-red
</high-red>
<max-low-red>
  max-low-red
</max-low-red>
<max-high-red>
  max-high-red
</max-high-red>
</linear-red-drop-profile>
</atm-cos-queue-parameters>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

## Description

### <linear-red-drop-profile>

#### Usage

```
<interface-filter-information>
<logical-interface>
<virtual-circuit-information>
<atm-cos-information>
<atm-cos-queue>
<atm-cos-queue-parameters>
<linear-red-drop-profile>
<queue-depth>
  queue-depth
</queue-depth>
<low-red>
  low-red
</low-red>
<high-red>
  high-red
</high-red>
<max-low-red>
  max-low-red
</max-low-red>
<max-high-red>
  max-high-red
</max-high-red>
</linear-red-drop-profile>
</atm-cos-queue-parameters>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
```

```
</interface-filter-information>
```

## Description

### <linear-red-drop-profile>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
<virtual-circuit-information>
<atm-cos-information>
<atm-cos-queue>
<atm-cos-queue-parameters>
<linear-red-drop-profile>
<queue-depth>
  queue-depth
</queue-depth>
<low-red>
  low-red
</low-red>
<high-red>
  high-red
</high-red>
<max-low-red>
  max-low-red
</max-low-red>
<max-high-red>
  max-high-red
</max-high-red>
</linear-red-drop-profile>
</atm-cos-queue-parameters>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

## Description

### <linear-red-drop-profile>

#### Usage

```
<interface-policer-information>
<logical-interface>
<virtual-circuit-information>
<atm-cos-information>
<atm-cos-queue>
<atm-cos-queue-parameters>
<linear-red-drop-profile>
<queue-depth>
  queue-depth
</queue-depth>
```

```
<low-red>
  low-red
</low-red>
<high-red>
  high-red
</high-red>
<max-low-red>
  max-low-red
</max-low-red>
<max-high-red>
  max-high-red
</max-high-red>
</linear-red-drop-profile>
</atm-cos-queue-parameters>
</atm-cos-queue>
</atm-cos-information>
</virtual-circuit-information>
</logical-interface>
</interface-policer-information>
```

#### Description

<link>

#### Usage

```
<multilink-traffic-statistics>
  <link>
    <name>
      name
    </name>
    <down>
      down
    </down>
    <link-uptime>
      link-uptime
    </link-uptime>
    <input-frames>
      input-frames
    </input-frames>
    <input-fps>
      input-fps
    </input-fps>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-frames>
      output-frames
    </output-frames>
    <output-fps>
      output-fps
    </output-fps>
    <output-bytes>
```

```

        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
    </link>
  </multilink-traffic-statistics>

```

## Description

<link>

## Usage

```

<logical-interface>
  <multilink-traffic-statistics>
    <link>
      <name>
        name
      </name>
      <down>
        down
      </down>
      <link-uptime>
        link-uptime
      </link-uptime>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-frames>
        output-frames
      </output-frames>
      <output-fps>
        output-fps
      </output-fps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
    </link>
  </multilink-traffic-statistics>
</logical-interface>

```

## Description

## <link>

### Usage

```
<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <link>
      <name>
        name
      </name>
      <down>
        down
      </down>
      <link-uptime>
        link-uptime
      </link-uptime>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-frames>
        output-frames
      </output-frames>
      <output-fps>
        output-fps
      </output-fps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
    </link>
  </multilink-traffic-statistics>
</logical-interface>
</physical-interface>
```

### Description

## <link>

### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
```



```

<link>
  <name>
    name
  </name>
  <down>
    down
  </down>
  <link-uptime>
    link-uptime
  </link-uptime>
  <input-frames>
    input-frames
  </input-frames>
  <input-fps>
    input-fps
  </input-fps>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-frames>
    output-frames
  </output-frames>
  <output-fps>
    output-fps
  </output-fps>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-bps>
    output-bps
  </output-bps>
</link>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>

```

## Description

<link>

## Usage

```

<interface-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <link>
        <name>
          name
        </name>
        <down>
          down
        </down>

```

```
<link-uptime>
  link-uptime
</link-uptime>
<input-frames>
  input-frames
</input-frames>
<input-fps>
  input-fps
</input-fps>
<input-bytes>
  input-bytes
</input-bytes>
<input-bps>
  input-bps
</input-bps>
<output-frames>
  output-frames
</output-frames>
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</link>
</multilink-traffic-statistics>
</logical-interface>
</interface-information>
```

## Description

[<link>](#)

## Usage

```
<interface-filter-information>
<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <link>
      <name>
        name
      </name>
      <down>
        down
      </down>
      <link-uptime>
        link-uptime
      </link-uptime>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
```

```

    input-fps
  </input-fps>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-frames>
    output-frames
  </output-frames>
  <output-fps>
    output-fps
  </output-fps>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-bps>
    output-bps
  </output-bps>
</link>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

## Description

<link>

## Usage

```

<interface-filter-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <link>
        <name>
          name
        </name>
        <down>
          down
        </down>
        <link-uptime>
          link-uptime
        </link-uptime>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps

```

```
</input-bps>
<output-frames>
  output-frames
</output-frames>
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</link>
</multilink-traffic-statistics>
</logical-interface>
</interface-filter-information>
```

## Description

<link>

## Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <link>
      <name>
        name
      </name>
      <down>
        down
      </down>
      <link-uptime>
        link-uptime
      </link-uptime>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-frames>
        output-frames
      </output-frames>
      <output-fps>
        output-fps
      </output-fps>
```

```

        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </link>
    </multilink-traffic-statistics>
  </logical-interface>
</physical-interface>
</interface-policer-information>

```

## Description

<link>

## Usage

```

<interface-policer-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <link>
        <name>
          name
        </name>
        <down>
          down
        </down>
        <link-uptime>
          link-uptime
        </link-uptime>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
        </output-frames>
        <output-fps>
          output-fps
        </output-fps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </link>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-policer-information>

```

```

    </multilink-traffic-statistics>
  </logical-interface>
</interface-policer-information>

```

## Description

### <link-entry>

## Usage

```

<physical-interface>
  <links>
    <link-entry>
      <link-id>
        link-id
      </link-id>
      <active-alarms>....</active-alarms>
      <active-defects>....</active-defects>
      <sonet-errors>....</sonet-errors>
      <sonet-physical-information>....</sonet-physical-information>
      <sonet-section-information>....</sonet-section-information>
      <sonet-line-information>....</sonet-line-information>
      <sonet-path-information>....</sonet-path-information>
      <sonet-payload-pointer-information>....</sonet-payload-pointer-information>

      <sonet-payload-pointer-curptr>
        sonet-payload-pointer-curptr
      </sonet-payload-pointer-curptr>
      <sonet-payload-pointer-ptrinc-count>
        sonet-payload-pointer-ptrinc-count
      </sonet-payload-pointer-ptrinc-count>
      <sonet-payload-pointer-ptrdec-count>
        sonet-payload-pointer-ptrdec-count
      </sonet-payload-pointer-ptrdec-count>
      <sonet-payload-pointer-newptr-ndf-count>
        sonet-payload-pointer-newptr-ndf-count
      </sonet-payload-pointer-newptr-ndf-count>
      <sonet-vt-information>....</sonet-vt-information>
      <sonet-rx-overhead>
        sonet-rx-overhead
      </sonet-rx-overhead>
      <sonet-tx-overhead>
        sonet-tx-overhead
      </sonet-tx-overhead>
      <sonet-rx-path-trace>
        sonet-rx-path-trace
      </sonet-rx-path-trace>
      <sonet-tx-path-trace>
        sonet-tx-path-trace
      </sonet-tx-path-trace>
      <optics-diagnostics>....</optics-diagnostics>
    </link-entry>
  </links>
</physical-interface>

```

**Description** SONET/SDH link information

## <link-entry>

### Usage

```

<interface-information>
  <physical-interface>
    <links>
      <link-entry>
        <link-id>
          link-id
        </link-id>
        <active-alarms>....</active-alarms>
        <active-defects>....</active-defects>
        <sonet-errors>....</sonet-errors>
        <sonet-physical-information>....</sonet-physical-information>
        <sonet-section-information>....</sonet-section-information>
        <sonet-line-information>....</sonet-line-information>
        <sonet-path-information>....</sonet-path-information>
        <sonet-payload-pointer-information>....</sonet-payload-pointer-information>

        <sonet-payload-pointer-curptr>
          sonet-payload-pointer-curptr
        </sonet-payload-pointer-curptr>
        <sonet-payload-pointer-ptrinc-count>
          sonet-payload-pointer-ptrinc-count
        </sonet-payload-pointer-ptrinc-count>
        <sonet-payload-pointer-ptrdec-count>
          sonet-payload-pointer-ptrdec-count
        </sonet-payload-pointer-ptrdec-count>
        <sonet-payload-pointer-newptr-ndf-count>
          sonet-payload-pointer-newptr-ndf-count
        </sonet-payload-pointer-newptr-ndf-count>
        <sonet-vt-information>....</sonet-vt-information>
        <sonet-rx-overhead>
          sonet-rx-overhead
        </sonet-rx-overhead>
        <sonet-tx-overhead>
          sonet-tx-overhead
        </sonet-tx-overhead>
        <sonet-rx-path-trace>
          sonet-rx-path-trace
        </sonet-rx-path-trace>
        <sonet-tx-path-trace>
          sonet-tx-path-trace
        </sonet-tx-path-trace>
        <optics-diagnostics>....</optics-diagnostics>
      </link-entry>
    </links>
  </physical-interface>
</interface-information>

```

**Description** SONET/SDH link information

## &lt;link-entry&gt;

## Usage

```

<interface-filter-information>
  <physical-interface>
    <links>
      <link-entry>
        <link-id>
          link-id
        </link-id>
        <active-alarms>....</active-alarms>
        <active-defects>....</active-defects>
        <sonet-errors>....</sonet-errors>
        <sonet-physical-information>....</sonet-physical-information>
        <sonet-section-information>....</sonet-section-information>
        <sonet-line-information>....</sonet-line-information>
        <sonet-path-information>....</sonet-path-information>
        <sonet-payload-pointer-information>....</sonet-payload-pointer-information>

        <sonet-payload-pointer-curptr>
          sonet-payload-pointer-curptr
        </sonet-payload-pointer-curptr>
        <sonet-payload-pointer-ptrinc-count>
          sonet-payload-pointer-ptrinc-count
        </sonet-payload-pointer-ptrinc-count>
        <sonet-payload-pointer-ptrdec-count>
          sonet-payload-pointer-ptrdec-count
        </sonet-payload-pointer-ptrdec-count>
        <sonet-payload-pointer-newptr-ndf-count>
          sonet-payload-pointer-newptr-ndf-count
        </sonet-payload-pointer-newptr-ndf-count>
        <sonet-vt-information>....</sonet-vt-information>
        <sonet-rx-overhead>
          sonet-rx-overhead
        </sonet-rx-overhead>
        <sonet-tx-overhead>
          sonet-tx-overhead
        </sonet-tx-overhead>
        <sonet-rx-path-trace>
          sonet-rx-path-trace
        </sonet-rx-path-trace>
        <sonet-tx-path-trace>
          sonet-tx-path-trace
        </sonet-tx-path-trace>
        <optics-diagnostics>....</optics-diagnostics>
      </link-entry>
    </links>
  </physical-interface>
</interface-filter-information>

```

**Description** SONET/SDH link information



## &lt;link-entry&gt;

## Usage

```

<interface-policer-information>
  <physical-interface>
    <links>
      <link-entry>
        <link-id>
          link-id
        </link-id>
        <active-alarms>....</active-alarms>
        <active-defects>....</active-defects>
        <sonet-errors>....</sonet-errors>
        <sonet-physical-information>....</sonet-physical-information>
        <sonet-section-information>....</sonet-section-information>
        <sonet-line-information>....</sonet-line-information>
        <sonet-path-information>....</sonet-path-information>
      <sonet-payload-pointer-information>....</sonet-payload-pointer-information>

      <sonet-payload-pointer-curptr>
        sonet-payload-pointer-curptr
      </sonet-payload-pointer-curptr>
      <sonet-payload-pointer-ptrinc-count>
        sonet-payload-pointer-ptrinc-count
      </sonet-payload-pointer-ptrinc-count>
      <sonet-payload-pointer-ptrdec-count>
        sonet-payload-pointer-ptrdec-count
      </sonet-payload-pointer-ptrdec-count>
      <sonet-payload-pointer-newptr-ndf-count>
        sonet-payload-pointer-newptr-ndf-count
      </sonet-payload-pointer-newptr-ndf-count>
      <sonet-vt-information>....</sonet-vt-information>
      <sonet-rx-overhead>
        sonet-rx-overhead
      </sonet-rx-overhead>
      <sonet-tx-overhead>
        sonet-tx-overhead
      </sonet-tx-overhead>
      <sonet-rx-path-trace>
        sonet-rx-path-trace
      </sonet-rx-path-trace>
      <sonet-tx-path-trace>
        sonet-tx-path-trace
      </sonet-tx-path-trace>
      <optics-diagnostics>....</optics-diagnostics>
    </link-entry>
  </links>
</physical-interface>
</interface-policer-information>

```

**Description** SONET/SDH link information

**<links>****Usage**

```
<physical-interface>
  <links>
    <link-entry>....</link-entry>
  </links>
</physical-interface>
```

**Description** Aggregated SONET/SDH link information

**<links>****Usage**

```
<interface-information>
  <physical-interface>
    <links>
      <link-entry>....</link-entry>
    </links>
  </physical-interface>
</interface-information>
```

**Description** Aggregated SONET/SDH link information

**<links>****Usage**

```
<interface-filter-information>
  <physical-interface>
    <links>
      <link-entry>....</link-entry>
    </links>
  </physical-interface>
</interface-filter-information>
```

**Description** Aggregated SONET/SDH link information

**<links>****Usage**

```
<interface-policer-information>
  <physical-interface>
    <links>
      <link-entry>....</link-entry>
    </links>
  </physical-interface>
</interface-policer-information>
```

**Description** Aggregated SONET/SDH link information

**<lmi-dce-config>****Usage**

```

<physical-interface>
  <lmi-dce-config>
    <lmi-type>
      lmi-type
    </lmi-type>
    <lmi-n392dce>
      lmi-n392dce
    </lmi-n392dce>
    <lmi-n393dce>
      lmi-n393dce
    </lmi-n393dce>
    <lmi-t392dce>
      lmi-t392dce
    </lmi-t392dce>
  </lmi-dce-config>
</physical-interface>

```

**Description** Configured LMI DCE setting on this interface

**<lmi-dce-config>****Usage**

```

<interface-information>
  <physical-interface>
    <lmi-dce-config>
      <lmi-type>
        lmi-type
      </lmi-type>
      <lmi-n392dce>
        lmi-n392dce
      </lmi-n392dce>
      <lmi-n393dce>
        lmi-n393dce
      </lmi-n393dce>
      <lmi-t392dce>
        lmi-t392dce
      </lmi-t392dce>
    </lmi-dce-config>
  </physical-interface>
</interface-information>

```

**Description** Configured LMI DCE setting on this interface

**<lmi-dce-config>****Usage**

```

<interface-filter-information>
  <physical-interface>
    <lmi-dce-config>

```

```
<lmi-type>
  lmi-type
</lmi-type>
<lmi-n392dce>
  lmi-n392dce
</lmi-n392dce>
<lmi-n393dce>
  lmi-n393dce
</lmi-n393dce>
<lmi-t392dce>
  lmi-t392dce
</lmi-t392dce>
</lmi-dce-config>
</physical-interface>
</interface-filter-information>
```

**Description** Configured LMI DCE setting on this interface

### <lmi-dce-config>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <lmi-dce-config>
    <lmi-type>
      lmi-type
    </lmi-type>
    <lmi-n392dce>
      lmi-n392dce
    </lmi-n392dce>
    <lmi-n393dce>
      lmi-n393dce
    </lmi-n393dce>
    <lmi-t392dce>
      lmi-t392dce
    </lmi-t392dce>
  </lmi-dce-config>
</physical-interface>
</interface-policer-information>
```

**Description** Configured LMI DCE setting on this interface

### <lmi-dte-config>

#### Usage

```
<physical-interface>
  <lmi-dte-config>
    <lmi-type>
      lmi-type
    </lmi-type>
    <lmi-n391dte>
      lmi-n391dte
    </lmi-n391dte>
  </lmi-dte-config>
</physical-interface>
```

```

</lmi-n391dte>
<lmi-n392dte>
  lmi-n392dte
</lmi-n392dte>
<lmi-n393dte>
  lmi-n393dte
</lmi-n393dte>
<lmi-t391dte>
  lmi-t391dte
</lmi-t391dte>
</lmi-dte-config>
</physical-interface>

```

**Description** Configured LMI DTE setting on this interface

### <lmi-dte-config>

#### Usage

```

<interface-information>
<physical-interface>
  <lmi-dte-config>
    <lmi-type>
      lmi-type
    </lmi-type>
    <lmi-n391dte>
      lmi-n391dte
    </lmi-n391dte>
    <lmi-n392dte>
      lmi-n392dte
    </lmi-n392dte>
    <lmi-n393dte>
      lmi-n393dte
    </lmi-n393dte>
    <lmi-t391dte>
      lmi-t391dte
    </lmi-t391dte>
  </lmi-dte-config>
</physical-interface>
</interface-information>

```

**Description** Configured LMI DTE setting on this interface

### <lmi-dte-config>

#### Usage

```

<interface-filter-information>
<physical-interface>
  <lmi-dte-config>
    <lmi-type>
      lmi-type
    </lmi-type>
    <lmi-n391dte>

```

```
    lmi-n391dte
  </lmi-n391dte>
  <lmi-n392dte>
    lmi-n392dte
  </lmi-n392dte>
  <lmi-n393dte>
    lmi-n393dte
  </lmi-n393dte>
  <lmi-t391dte>
    lmi-t391dte
  </lmi-t391dte>
</lmi-dte-config>
</physical-interface>
</interface-filter-information>
```

**Description** Configured LMI DTE setting on this interface

### <lmi-dte-config>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <lmi-dte-config>
      <lmi-type>
        lmi-type
      </lmi-type>
      <lmi-n391dte>
        lmi-n391dte
      </lmi-n391dte>
      <lmi-n392dte>
        lmi-n392dte
      </lmi-n392dte>
      <lmi-n393dte>
        lmi-n393dte
      </lmi-n393dte>
      <lmi-t391dte>
        lmi-t391dte
      </lmi-t391dte>
    </lmi-dte-config>
  </physical-interface>
</interface-policer-information>
```

**Description** Configured LMI DTE setting on this interface

### <lmi-statistics>

#### Usage

```
<lmi-statistics>
  <lmi-statistics-dte-descriptor>
    lmi-statistics-dte-descriptor
  </lmi-statistics-dte-descriptor>
  <lmi-enquiries-sent>
```

```

    lmi-enquiries-sent
  </lmi-enquiries-sent>
  <lmi-full-enquiries-sent>
    lmi-full-enquiries-sent
  </lmi-full-enquiries-sent>
  <lmi-enquiry-responses-received>
    lmi-enquiry-responses-received
  </lmi-enquiry-responses-received>
  <lmi-full-enquiry-responses-received>
    lmi-full-enquiry-responses-received
  </lmi-full-enquiry-responses-received>
  <lmi-statistics-dce-descriptor>
    lmi-statistics-dce-descriptor
  </lmi-statistics-dce-descriptor>
  <lmi-enquiries-received>
    lmi-enquiries-received
  </lmi-enquiries-received>
  <lmi-full-enquiries-received>
    lmi-full-enquiries-received
  </lmi-full-enquiries-received>
  <lmi-enquiry-responses-sent>
    lmi-enquiry-responses-sent
  </lmi-enquiry-responses-sent>
  <lmi-full-enquiry-responses-sent>
    lmi-full-enquiry-responses-sent
  </lmi-full-enquiry-responses-sent>
  <lmi-statistics-common-descriptor>
    lmi-statistics-common-descriptor
  </lmi-statistics-common-descriptor>
  <lmi-unknown-messages-received>
    lmi-unknown-messages-received
  </lmi-unknown-messages-received>
  <lmi-asynchronous-updates-received>
    lmi-asynchronous-updates-received
  </lmi-asynchronous-updates-received>
  <lmi-out-of-sequence>
    lmi-out-of-sequence
  </lmi-out-of-sequence>
  <lmi-keepalive-responses-timeout>
    lmi-keepalive-responses-timeout
  </lmi-keepalive-responses-timeout>
</lmi-statistics>

```

**Description** LMI statistics for an interface

## <lmi-statistics>

### Usage

```

<physical-interface>
  <lmi-statistics>
    <lmi-statistics-dte-descriptor>
      lmi-statistics-dte-descriptor
    </lmi-statistics-dte-descriptor>
    <lmi-enquiries-sent>

```

```
    lmi-enquiries-sent
  </lmi-enquiries-sent>
  <lmi-full-enquiries-sent>
    lmi-full-enquiries-sent
  </lmi-full-enquiries-sent>
  <lmi-enquiry-responses-received>
    lmi-enquiry-responses-received
  </lmi-enquiry-responses-received>
  <lmi-full-enquiry-responses-received>
    lmi-full-enquiry-responses-received
  </lmi-full-enquiry-responses-received>
  <lmi-statistics-dce-descriptor>
    lmi-statistics-dce-descriptor
  </lmi-statistics-dce-descriptor>
  <lmi-enquiries-received>
    lmi-enquiries-received
  </lmi-enquiries-received>
  <lmi-full-enquiries-received>
    lmi-full-enquiries-received
  </lmi-full-enquiries-received>
  <lmi-enquiry-responses-sent>
    lmi-enquiry-responses-sent
  </lmi-enquiry-responses-sent>
  <lmi-full-enquiry-responses-sent>
    lmi-full-enquiry-responses-sent
  </lmi-full-enquiry-responses-sent>
  <lmi-statistics-common-descriptor>
    lmi-statistics-common-descriptor
  </lmi-statistics-common-descriptor>
  <lmi-unknown-messages-received>
    lmi-unknown-messages-received
  </lmi-unknown-messages-received>
  <lmi-asynchronous-updates-received>
    lmi-asynchronous-updates-received
  </lmi-asynchronous-updates-received>
  <lmi-out-of-sequence>
    lmi-out-of-sequence
  </lmi-out-of-sequence>
  <lmi-keepalive-responses-timeout>
    lmi-keepalive-responses-timeout
  </lmi-keepalive-responses-timeout>
</lmi-statistics>
</physical-interface>
```

**Description** LMI statistics for an interface

## <lmi-statistics>

### Usage

```
<interface-information>
  <physical-interface>
    <lmi-statistics>
      <lmi-statistics-dte-descriptor>
        lmi-statistics-dte-descriptor
```



```

</lmi-statistics-dte-descriptor>
<lmi-enquiries-sent>
  lmi-enquiries-sent
</lmi-enquiries-sent>
<lmi-full-enquiries-sent>
  lmi-full-enquiries-sent
</lmi-full-enquiries-sent>
<lmi-enquiry-responses-received>
  lmi-enquiry-responses-received
</lmi-enquiry-responses-received>
<lmi-full-enquiry-responses-received>
  lmi-full-enquiry-responses-received
</lmi-full-enquiry-responses-received>
<lmi-statistics-dce-descriptor>
  lmi-statistics-dce-descriptor
</lmi-statistics-dce-descriptor>
<lmi-enquiries-received>
  lmi-enquiries-received
</lmi-enquiries-received>
<lmi-full-enquiries-received>
  lmi-full-enquiries-received
</lmi-full-enquiries-received>
<lmi-enquiry-responses-sent>
  lmi-enquiry-responses-sent
</lmi-enquiry-responses-sent>
<lmi-full-enquiry-responses-sent>
  lmi-full-enquiry-responses-sent
</lmi-full-enquiry-responses-sent>
<lmi-statistics-common-descriptor>
  lmi-statistics-common-descriptor
</lmi-statistics-common-descriptor>
<lmi-unknown-messages-received>
  lmi-unknown-messages-received
</lmi-unknown-messages-received>
<lmi-asynchronous-updates-received>
  lmi-asynchronous-updates-received
</lmi-asynchronous-updates-received>
<lmi-out-of-sequence>
  lmi-out-of-sequence
</lmi-out-of-sequence>
<lmi-keepalive-responses-timeout>
  lmi-keepalive-responses-timeout
</lmi-keepalive-responses-timeout>
</lmi-statistics>
</physical-interface>
</interface-information>

```

**Description** LMI statistics for an interface

## <lmi-statistics>

### Usage

```

<interface-filter-information>
<physical-interface>

```

```
<lmi-statistics>
  <lmi-statistics-dte-descriptor>
    lmi-statistics-dte-descriptor
  </lmi-statistics-dte-descriptor>
  <lmi-enquiries-sent>
    lmi-enquiries-sent
  </lmi-enquiries-sent>
  <lmi-full-enquiries-sent>
    lmi-full-enquiries-sent
  </lmi-full-enquiries-sent>
  <lmi-enquiry-responses-received>
    lmi-enquiry-responses-received
  </lmi-enquiry-responses-received>
  <lmi-full-enquiry-responses-received>
    lmi-full-enquiry-responses-received
  </lmi-full-enquiry-responses-received>
  <lmi-statistics-dce-descriptor>
    lmi-statistics-dce-descriptor
  </lmi-statistics-dce-descriptor>
  <lmi-enquiries-received>
    lmi-enquiries-received
  </lmi-enquiries-received>
  <lmi-full-enquiries-received>
    lmi-full-enquiries-received
  </lmi-full-enquiries-received>
  <lmi-enquiry-responses-sent>
    lmi-enquiry-responses-sent
  </lmi-enquiry-responses-sent>
  <lmi-full-enquiry-responses-sent>
    lmi-full-enquiry-responses-sent
  </lmi-full-enquiry-responses-sent>
  <lmi-statistics-common-descriptor>
    lmi-statistics-common-descriptor
  </lmi-statistics-common-descriptor>
  <lmi-unknown-messages-received>
    lmi-unknown-messages-received
  </lmi-unknown-messages-received>
  <lmi-asynchronous-updates-received>
    lmi-asynchronous-updates-received
  </lmi-asynchronous-updates-received>
  <lmi-out-of-sequence>
    lmi-out-of-sequence
  </lmi-out-of-sequence>
  <lmi-keepalive-responses-timeout>
    lmi-keepalive-responses-timeout
  </lmi-keepalive-responses-timeout>
</lmi-statistics>
</physical-interface>
</interface-filter-information>
```

**Description** LMI statistics for an interface

## &lt;lmi-statistics&gt;

## Usage

```

<interface-policer-information>
  <physical-interface>
    <lmi-statistics>
      <lmi-statistics-dte-descriptor>
        lmi-statistics-dte-descriptor
      </lmi-statistics-dte-descriptor>
      <lmi-enquiries-sent>
        lmi-enquiries-sent
      </lmi-enquiries-sent>
      <lmi-full-enquiries-sent>
        lmi-full-enquiries-sent
      </lmi-full-enquiries-sent>
      <lmi-enquiry-responses-received>
        lmi-enquiry-responses-received
      </lmi-enquiry-responses-received>
      <lmi-full-enquiry-responses-received>
        lmi-full-enquiry-responses-received
      </lmi-full-enquiry-responses-received>
      <lmi-statistics-dce-descriptor>
        lmi-statistics-dce-descriptor
      </lmi-statistics-dce-descriptor>
      <lmi-enquiries-received>
        lmi-enquiries-received
      </lmi-enquiries-received>
      <lmi-full-enquiries-received>
        lmi-full-enquiries-received
      </lmi-full-enquiries-received>
      <lmi-enquiry-responses-sent>
        lmi-enquiry-responses-sent
      </lmi-enquiry-responses-sent>
      <lmi-full-enquiry-responses-sent>
        lmi-full-enquiry-responses-sent
      </lmi-full-enquiry-responses-sent>
      <lmi-statistics-common-descriptor>
        lmi-statistics-common-descriptor
      </lmi-statistics-common-descriptor>
      <lmi-unknown-messages-received>
        lmi-unknown-messages-received
      </lmi-unknown-messages-received>
      <lmi-asynchronous-updates-received>
        lmi-asynchronous-updates-received
      </lmi-asynchronous-updates-received>
      <lmi-out-of-sequence>
        lmi-out-of-sequence
      </lmi-out-of-sequence>
      <lmi-keepalive-responses-timeout>
        lmi-keepalive-responses-timeout
      </lmi-keepalive-responses-timeout>
    </lmi-statistics>
  </physical-interface>
</interface-policer-information>

```

**Description** LMI statistics for an interface

### <local-info>

#### Usage

```
<ethernet-autonegotiation>
  <local-info>
    <local-flow-control>
      local-flow-control
    </local-flow-control>
    <local-remote-fault>
      local-remote-fault
    </local-remote-fault>
    <local-link-speed>
      local-link-speed
    </local-link-speed>
    <local-link-duplexity>
      local-link-duplexity
    </local-link-duplexity>
  </local-info>
</ethernet-autonegotiation>
```

**Description** Auto-negotiation status of local partner

### <local-info>

#### Usage

```
<jswitch-port-information>
  <jswitch-port>
    <ethernet-autonegotiation>
      <local-info>
        <local-flow-control>
          local-flow-control
        </local-flow-control>
        <local-remote-fault>
          local-remote-fault
        </local-remote-fault>
        <local-link-speed>
          local-link-speed
        </local-link-speed>
        <local-link-duplexity>
          local-link-duplexity
        </local-link-duplexity>
      </local-info>
    </ethernet-autonegotiation>
  </jswitch-port>
</jswitch-port-information>
```

**Description** Auto-negotiation status of local partner

**<local-info>****Usage**

```

<physical-interface>
  <ethernet-autonegotiation>
    <local-info>
      <local-flow-control>
        local-flow-control
      </local-flow-control>
      <local-remote-fault>
        local-remote-fault
      </local-remote-fault>
      <local-link-speed>
        local-link-speed
      </local-link-speed>
      <local-link-duplexity>
        local-link-duplexity
      </local-link-duplexity>
    </local-info>
  </ethernet-autonegotiation>
</physical-interface>

```

**Description** Auto-negotiation status of local partner

**<local-info>****Usage**

```

<physical-interface>
  <local-info>
    <local-flow-control>
      local-flow-control
    </local-flow-control>
    <local-remote-fault>
      local-remote-fault
    </local-remote-fault>
    <local-link-speed>
      local-link-speed
    </local-link-speed>
    <local-link-duplexity>
      local-link-duplexity
    </local-link-duplexity>
  </local-info>
</physical-interface>

```

**Description** Auto-negotiation status of local partner

**<local-info>****Usage**

```

<interface-information>
  <physical-interface>
    <ethernet-autonegotiation>

```

```

<local-info>
  <local-flow-control>
    local-flow-control
  </local-flow-control>
  <local-remote-fault>
    local-remote-fault
  </local-remote-fault>
  <local-link-speed>
    local-link-speed
  </local-link-speed>
  <local-link-duplexity>
    local-link-duplexity
  </local-link-duplexity>
</local-info>
</ethernet-autonegotiation>
</physical-interface>
</interface-information>

```

**Description** Auto-negotiation status of local partner

## <local-info>

### Usage

```

<interface-information>
  <physical-interface>
    <local-info>
      <local-flow-control>
        local-flow-control
      </local-flow-control>
      <local-remote-fault>
        local-remote-fault
      </local-remote-fault>
      <local-link-speed>
        local-link-speed
      </local-link-speed>
      <local-link-duplexity>
        local-link-duplexity
      </local-link-duplexity>
    </local-info>
  </physical-interface>
</interface-information>

```

**Description** Auto-negotiation status of local partner

## <local-info>

### Usage

```

<interface-filter-information>
  <physical-interface>
    <ethernet-autonegotiation>
      <local-info>
        <local-flow-control>

```

```

        local-flow-control
      </local-flow-control>
      <local-remote-fault>
        local-remote-fault
      </local-remote-fault>
      <local-link-speed>
        local-link-speed
      </local-link-speed>
      <local-link-duplexity>
        local-link-duplexity
      </local-link-duplexity>
    </local-info>
  </ethernet-autonegotiation>
</physical-interface>
</interface-filter-information>

```

**Description** Auto-negotiation status of local partner

### <local-info>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <local-info>
      <local-flow-control>
        local-flow-control
      </local-flow-control>
      <local-remote-fault>
        local-remote-fault
      </local-remote-fault>
      <local-link-speed>
        local-link-speed
      </local-link-speed>
      <local-link-duplexity>
        local-link-duplexity
      </local-link-duplexity>
    </local-info>
  </physical-interface>
</interface-filter-information>

```

**Description** Auto-negotiation status of local partner

### <local-info>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <ethernet-autonegotiation>
      <local-info>
        <local-flow-control>
          local-flow-control
        </local-flow-control>

```

```
<local-remote-fault>
  local-remote-fault
</local-remote-fault>
<local-link-speed>
  local-link-speed
</local-link-speed>
<local-link-duplexity>
  local-link-duplexity
</local-link-duplexity>
</local-info>
</ethernet-autonegotiation>
</physical-interface>
</interface-policer-information>
```

**Description** Auto-negotiation status of local partner

### <local-info>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <local-info>
    <local-flow-control>
      local-flow-control
    </local-flow-control>
    <local-remote-fault>
      local-remote-fault
    </local-remote-fault>
    <local-link-speed>
      local-link-speed
    </local-link-speed>
    <local-link-duplexity>
      local-link-duplexity
    </local-link-duplexity>
  </local-info>
</physical-interface>
</interface-policer-information>
```

**Description** Auto-negotiation status of local partner

### <local-traffic-statistics>

#### Usage

```
<local-traffic-statistics>
  <input-bytes>
    input-bytes
  </input-bytes>
  <output-bytes>
    output-bytes
  </output-bytes>
  <input-bps>
    input-bps
```



```

</input-bps>
<output-bps>
  output-bps
</output-bps>
<input-packets>
  input-packets
</input-packets>
<output-packets>
  output-packets
</output-packets>
<input-pps>
  input-pps
</input-pps>
<output-pps>
  output-pps
</output-pps>
</local-traffic-statistics>

```

**Description** Statistics for locally originated traffic

### <local-traffic-statistics>

#### Usage

```

<logical-interface>
  <local-traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
  </local-traffic-statistics>
</logical-interface>

```

**Description** Statistics for locally originated traffic

## <local-traffic-statistics>

### Usage

```
<physical-interface>
<logical-interface>
  <local-traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
  </local-traffic-statistics>
</logical-interface>
</physical-interface>
```

**Description** Statistics for locally originated traffic

## <local-traffic-statistics>

### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <local-traffic-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-bps>
```

```

        output-bps
      </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
  </local-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>

```

**Description** Statistics for locally originated traffic

### <local-traffic-statistics>

#### Usage

```

<interface-information>
  <logical-interface>
    <local-traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-bps>
        output-bps
      </output-bps>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>
        output-packets
      </output-packets>
      <input-pps>
        input-pps
      </input-pps>
      <output-pps>
        output-pps
      </output-pps>
    </local-traffic-statistics>
  </logical-interface>

```

</interface-information>

**Description** Statistics for locally originated traffic

### <local-traffic-statistics>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <local-traffic-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-bps>
          output-bps
        </output-bps>
        <input-packets>
          input-packets
        </input-packets>
        <output-packets>
          output-packets
        </output-packets>
        <input-pps>
          input-pps
        </input-pps>
        <output-pps>
          output-pps
        </output-pps>
      </local-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description** Statistics for locally originated traffic

### <local-traffic-statistics>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <local-traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
```

```

        output-bytes
      </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
  </local-traffic-statistics>
</logical-interface>
</interface-filter-information>

```

**Description** Statistics for locally originated traffic

### <local-traffic-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <local-traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-bps>
        output-bps
      </output-bps>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>
        output-packets
      </output-packets>
      <input-pps>
        input-pps
      </input-pps>
    </local-traffic-statistics>
  </logical-interface>
</interface-policer-information>

```

```
<output-pps>
  output-pps
</output-pps>
</local-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

**Description** Statistics for locally originated traffic

### <local-traffic-statistics>

#### Usage

```
<interface-policer-information>
<logical-interface>
  <local-traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
  </local-traffic-statistics>
</logical-interface>
</interface-policer-information>
```

**Description** Statistics for locally originated traffic

### <location-name-information>

#### Usage

```
<location-name-information>
  <interface-name>
    interface-name
```

```
</interface-name>
<fpc-number>
  fpc-number
</fpc-number>
<lcc-number>
  lcc-number
</lcc-number>
</location-name-information>
```

#### Description

### <location-name-information>

#### Usage

```
<interface-location-name-information>
  <location-name-information>
    <interface-name>
      interface-name
    </interface-name>
    <fpc-number>
      fpc-number
    </fpc-number>
    <lcc-number>
      lcc-number
    </lcc-number>
  </location-name-information>
</interface-location-name-information>
```

#### Description

### <location-slot-information>

#### Usage

```
<location-slot-information>
  <global-fpc-number>
    global-fpc-number
  </global-fpc-number>
</location-slot-information>
```

#### Description

### <location-slot-information>

#### Usage

```
<interface-location-slot-information>
  <location-slot-information>
    <global-fpc-number>
      global-fpc-number
    </global-fpc-number>
  </location-slot-information>
</interface-location-slot-information>
```

**Description****<logical-interface>****Usage**

```
<logical-interface>
  <name>
    name
  </name>
  <admin-status>
    admin-status
  </admin-status>
  <oper-status>
    oper-status
  </oper-status>
  <vrfname>
    vrfname
  </vrfname>
  <local-index>
    local-index
  </local-index>
  <hardware-token>
    hardware-token
  </hardware-token>
  <snmp-index>
    snmp-index
  </snmp-index>
  <generation>
    generation
  </generation>
  <description>
    description
  </description>
  <if-config-flags>....</if-config-flags>
  <multilink-flapped>
    multilink-flapped
  </multilink-flapped>
  <link-address>
    link-address
  </link-address>
  <encapsulation>
    encapsulation
  </encapsulation>
  <interface-set-name>
    interface-set-name
  </interface-set-name>
  <demux-table-type>
    demux-table-type
  </demux-table-type>
  <gre-keepalive-configured>
    gre-keepalive-configured
  </gre-keepalive-configured>
  <gre-keepalive-adj-state>
    gre-keepalive-adj-state
  </gre-keepalive-adj-state>
  <copy-tos-to-outer-ip-header>
```



```

    copy-tos-to-outer-ip-header
  </copy-tos-to-outer-ip-header>
  <redundant-logical-interface-name>
    redundant-logical-interface-name
  </redundant-logical-interface-name>
  <layer2-input-policer-information>....</layer2-input-policer-information>
  <layer2-output-policer-information>....</layer2-output-policer-information>
  <pppoe-information>....</pppoe-information>
  <pppoe-underlying-information>....</pppoe-underlying-information>
  <demux-interface>....</demux-interface>
  <demux-information>....</demux-information>
  <dialer-time-to-disconnect>
    dialer-time-to-disconnect
  </dialer-time-to-disconnect>
  <dialer-information>....</dialer-information>
  <shared-interface-information>....</shared-interface-information>
  <logical-interface-mac>
    logical-interface-mac
  </logical-interface-mac>
  <mac-database>....</mac-database>
  <logical-interface-bandwidth>
    logical-interface-bandwidth
  </logical-interface-bandwidth>
  <queue-counters>....</queue-counters>
  <ingress-queue-counters>....</ingress-queue-counters>
  <multilink-bundle-link-information>....</multilink-bundle-link-information>
  <multilink-bundle-options>....</multilink-bundle-options>
  <multilink-bundle-errors>....</multilink-bundle-errors>
  <multilink-traffic-statistics>....</multilink-traffic-statistics>
  <traffic-statistics>....</traffic-statistics>
  <multicast-statistics>....</multicast-statistics>
  <ingress-traffic-statistics>....</ingress-traffic-statistics>
  <local-traffic-statistics>....</local-traffic-statistics>
  <transit-traffic-statistics>....</transit-traffic-statistics>
  <keepalive-config>....</keepalive-config>
  <keepalive-statistics>....</keepalive-statistics>
  <ppp-flags>....</ppp-flags>
  <lcp-state>
    lcp-state
  </lcp-state>
  <ncp-information>....</ncp-information>
  <chap-state>
    chap-state
  </chap-state>
  <pap-state>
    pap-state
  </pap-state>
  <virtual-circuit-information>....</virtual-circuit-information>
  <filter-information>....</filter-information>
  <policer-information>....</policer-information>
  <address-family>....</address-family>
  <bridge-iff-properties>....</bridge-iff-properties>
  <in-arp-statistics>....</in-arp-statistics>
  <l2circuit-info>....</l2circuit-info>
  <irb-domain>....</irb-domain>
  <media-information>....</media-information>

```

```
<multilink-bundle-status>....</multilink-bundle-status>
<multilink-bundle-class>....</multilink-bundle-class>
<lag-traffic-statistics>....</lag-traffic-statistics>
<layer2-input-policer-statistics>....</layer2-input-policer-statistics>
<layer2-output-policer-statistics>....</layer2-output-policer-statistics>
<mac-policer-information>....</mac-policer-information>
<ppp-parameters>....</ppp-parameters>
</logical-interface>
```

**Description** Information about a single logical interface

## <logical-interface>

### Usage

```
<physical-interface>
<logical-interface>
  <name>
    name
  </name>
  <admin-status>
    admin-status
  </admin-status>
  <oper-status>
    oper-status
  </oper-status>
  <vrfname>
    vrfname
  </vrfname>
  <local-index>
    local-index
  </local-index>
  <hardware-token>
    hardware-token
  </hardware-token>
  <snmp-index>
    snmp-index
  </snmp-index>
  <generation>
    generation
  </generation>
  <description>
    description
  </description>
  <if-config-flags>....</if-config-flags>
  <multilink-flapped>
    multilink-flapped
  </multilink-flapped>
  <link-address>
    link-address
  </link-address>
  <encapsulation>
    encapsulation
  </encapsulation>
  <interface-set-name>
```

```

    interface-set-name
  </interface-set-name>
  <demux-table-type>
    demux-table-type
  </demux-table-type>
  <gre-keepalive-configured>
    gre-keepalive-configured
  </gre-keepalive-configured>
  <gre-keepalive-adj-state>
    gre-keepalive-adj-state
  </gre-keepalive-adj-state>
  <copy-tos-to-outer-ip-header>
    copy-tos-to-outer-ip-header
  </copy-tos-to-outer-ip-header>
  <redundant-logical-interface-name>
    redundant-logical-interface-name
  </redundant-logical-interface-name>
  <layer2-input-policer-information>....</layer2-input-policer-information>
  <layer2-output-policer-information>....</layer2-output-policer-information>
  <pppoe-information>....</pppoe-information>
  <pppoe-underlying-information>....</pppoe-underlying-information>
  <demux-interface>....</demux-interface>
  <demux-information>....</demux-information>
  <dialer-time-to-disconnect>
    dialer-time-to-disconnect
  </dialer-time-to-disconnect>
  <dialer-information>....</dialer-information>
  <shared-interface-information>....</shared-interface-information>
  <logical-interface-mac>
    logical-interface-mac
  </logical-interface-mac>
  <mac-database>....</mac-database>
  <logical-interface-bandwidth>
    logical-interface-bandwidth
  </logical-interface-bandwidth>
  <queue-counters>....</queue-counters>
  <ingress-queue-counters>....</ingress-queue-counters>
  <multilink-bundle-link-information>....</multilink-bundle-link-information>
  <multilink-bundle-options>....</multilink-bundle-options>
  <multilink-bundle-errors>....</multilink-bundle-errors>
  <multilink-traffic-statistics>....</multilink-traffic-statistics>
  <traffic-statistics>....</traffic-statistics>
  <multicast-statistics>....</multicast-statistics>
  <ingress-traffic-statistics>....</ingress-traffic-statistics>
  <local-traffic-statistics>....</local-traffic-statistics>
  <transit-traffic-statistics>....</transit-traffic-statistics>
  <keepalive-config>....</keepalive-config>
  <keepalive-statistics>....</keepalive-statistics>
  <ppp-flags>....</ppp-flags>
  <lcp-state>
    lcp-state
  </lcp-state>
  <ncp-information>....</ncp-information>
  <chap-state>
    chap-state
  </chap-state>

```

```
<pap-state>
  pap-state
</pap-state>
<virtual-circuit-information>....</virtual-circuit-information>
<filter-information>....</filter-information>
<policer-information>....</policer-information>
<address-family>....</address-family>
<bridge-iff-properties>....</bridge-iff-properties>
<in-arp-statistics>....</in-arp-statistics>
<l2circuit-info>....</l2circuit-info>
<irb-domain>....</irb-domain>
<media-information>....</media-information>
<multilink-bundle-status>....</multilink-bundle-status>
<multilink-bundle-class>....</multilink-bundle-class>
<lag-traffic-statistics>....</lag-traffic-statistics>
<layer2-input-policer-statistics>....</layer2-input-policer-statistics>
<layer2-output-policer-statistics>....</layer2-output-policer-statistics>
<mac-policer-information>....</mac-policer-information>
<ppp-parameters>....</ppp-parameters>
</logical-interface>
</physical-interface>
```

**Description** Information about a single logical interface

## <logical-interface>

### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
  <name>
    name
  </name>
  <admin-status>
    admin-status
  </admin-status>
  <oper-status>
    oper-status
  </oper-status>
  <vrfname>
    vrfname
  </vrfname>
  <local-index>
    local-index
  </local-index>
  <hardware-token>
    hardware-token
  </hardware-token>
  <snmp-index>
    snmp-index
  </snmp-index>
  <generation>
    generation
  </generation>
```

```

<description>
  description
</description>
<if-config-flags>....</if-config-flags>
<multilink-flapped>
  multilink-flapped
</multilink-flapped>
<link-address>
  link-address
</link-address>
<encapsulation>
  encapsulation
</encapsulation>
<interface-set-name>
  interface-set-name
</interface-set-name>
<demux-table-type>
  demux-table-type
</demux-table-type>
<gre-keepalive-configured>
  gre-keepalive-configured
</gre-keepalive-configured>
<gre-keepalive-adj-state>
  gre-keepalive-adj-state
</gre-keepalive-adj-state>
<copy-tos-to-outer-ip-header>
  copy-tos-to-outer-ip-header
</copy-tos-to-outer-ip-header>
<redundant-logical-interface-name>
  redundant-logical-interface-name
</redundant-logical-interface-name>
<layer2-input-policer-information>....</layer2-input-policer-information>
<layer2-output-policer-information>....</layer2-output-policer-information>
<pppoe-information>....</pppoe-information>
<pppoe-underlying-information>....</pppoe-underlying-information>
<demux-interface>....</demux-interface>
<demux-information>....</demux-information>
<dialer-time-to-disconnect>
  dialer-time-to-disconnect
</dialer-time-to-disconnect>
<dialer-information>....</dialer-information>
<shared-interface-information>....</shared-interface-information>
<logical-interface-mac>
  logical-interface-mac
</logical-interface-mac>
<mac-database>....</mac-database>
<logical-interface-bandwidth>
  logical-interface-bandwidth
</logical-interface-bandwidth>
<queue-counters>....</queue-counters>
<ingress-queue-counters>....</ingress-queue-counters>
<multilink-bundle-link-information>....</multilink-bundle-link-information>
<multilink-bundle-options>....</multilink-bundle-options>
<multilink-bundle-errors>....</multilink-bundle-errors>
<multilink-traffic-statistics>....</multilink-traffic-statistics>
<traffic-statistics>....</traffic-statistics>

```

```
<multicast-statistics>....</multicast-statistics>
<ingress-traffic-statistics>....</ingress-traffic-statistics>
<local-traffic-statistics>....</local-traffic-statistics>
<transit-traffic-statistics>....</transit-traffic-statistics>
<keepalive-config>....</keepalive-config>
<keepalive-statistics>....</keepalive-statistics>
<ppp-flags>....</ppp-flags>
<lcp-state>
  lcp-state
</lcp-state>
<ncp-information>....</ncp-information>
<chap-state>
  chap-state
</chap-state>
<pap-state>
  pap-state
</pap-state>
<virtual-circuit-information>....</virtual-circuit-information>
<filter-information>....</filter-information>
<policer-information>....</policer-information>
<address-family>....</address-family>
<bridge-iff-properties>....</bridge-iff-properties>
<in-arp-statistics>....</in-arp-statistics>
<l2circuit-info>....</l2circuit-info>
<irb-domain>....</irb-domain>
<media-information>....</media-information>
<multilink-bundle-status>....</multilink-bundle-status>
<multilink-bundle-class>....</multilink-bundle-class>
<lag-traffic-statistics>....</lag-traffic-statistics>
<layer2-input-policer-statistics>....</layer2-input-policer-statistics>
<layer2-output-policer-statistics>....</layer2-output-policer-statistics>
<mac-policer-information>....</mac-policer-information>
<ppp-parameters>....</ppp-parameters>
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** Information about a single logical interface

## <logical-interface>

### Usage

```
<interface-information>
  <logical-interface>
    <name>
      name
    </name>
    <admin-status>
      admin-status
    </admin-status>
    <oper-status>
      oper-status
    </oper-status>
    <vrfname>
```

```

    vrfname
</vrfname>
<local-index>
    local-index
</local-index>
<hardware-token>
    hardware-token
</hardware-token>
<snmp-index>
    snmp-index
</snmp-index>
<generation>
    generation
</generation>
<description>
    description
</description>
<if-config-flags>....</if-config-flags>
<multilink-flapped>
    multilink-flapped
</multilink-flapped>
<link-address>
    link-address
</link-address>
<encapsulation>
    encapsulation
</encapsulation>
<interface-set-name>
    interface-set-name
</interface-set-name>
<demux-table-type>
    demux-table-type
</demux-table-type>
<gre-keepalive-configured>
    gre-keepalive-configured
</gre-keepalive-configured>
<gre-keepalive-adj-state>
    gre-keepalive-adj-state
</gre-keepalive-adj-state>
<copy-tos-to-outer-ip-header>
    copy-tos-to-outer-ip-header
</copy-tos-to-outer-ip-header>
<redundant-logical-interface-name>
    redundant-logical-interface-name
</redundant-logical-interface-name>
<layer2-input-policer-information>....</layer2-input-policer-information>
<layer2-output-policer-information>....</layer2-output-policer-information>
<pppoe-information>....</pppoe-information>
<pppoe-underlying-information>....</pppoe-underlying-information>
<demux-interface>....</demux-interface>
<demux-information>....</demux-information>
<dialer-time-to-disconnect>
    dialer-time-to-disconnect
</dialer-time-to-disconnect>
<dialer-information>....</dialer-information>
<shared-interface-information>....</shared-interface-information>

```

```

<logical-interface-mac>
  logical-interface-mac
</logical-interface-mac>
<mac-database>....</mac-database>
<logical-interface-bandwidth>
  logical-interface-bandwidth
</logical-interface-bandwidth>
<queue-counters>....</queue-counters>
<ingress-queue-counters>....</ingress-queue-counters>
<multilink-bundle-link-information>....</multilink-bundle-link-information>
<multilink-bundle-options>....</multilink-bundle-options>
<multilink-bundle-errors>....</multilink-bundle-errors>
<multilink-traffic-statistics>....</multilink-traffic-statistics>
<traffic-statistics>....</traffic-statistics>
<multicast-statistics>....</multicast-statistics>
<ingress-traffic-statistics>....</ingress-traffic-statistics>
<local-traffic-statistics>....</local-traffic-statistics>
<transit-traffic-statistics>....</transit-traffic-statistics>
<keepalive-config>....</keepalive-config>
<keepalive-statistics>....</keepalive-statistics>
<ppp-flags>....</ppp-flags>
<lcp-state>
  lcp-state
</lcp-state>
<ncp-information>....</ncp-information>
<chap-state>
  chap-state
</chap-state>
<pap-state>
  pap-state
</pap-state>
<virtual-circuit-information>....</virtual-circuit-information>
<filter-information>....</filter-information>
<policer-information>....</policer-information>
<address-family>....</address-family>
<bridge-iff-properties>....</bridge-iff-properties>
<in-arp-statistics>....</in-arp-statistics>
<l2circuit-info>....</l2circuit-info>
<irb-domain>....</irb-domain>
<media-information>....</media-information>
<multilink-bundle-status>....</multilink-bundle-status>
<multilink-bundle-class>....</multilink-bundle-class>
<lag-traffic-statistics>....</lag-traffic-statistics>
<layer2-input-policer-statistics>....</layer2-input-policer-statistics>
<layer2-output-policer-statistics>....</layer2-output-policer-statistics>
<mac-policer-information>....</mac-policer-information>
<ppp-parameters>....</ppp-parameters>
</logical-interface>
</interface-information>

```

**Description** Information about a single logical interface



## &lt;logical-interface&gt;

## Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <name>
        name
      </name>
      <admin-status>
        admin-status
      </admin-status>
      <oper-status>
        oper-status
      </oper-status>
      <vrfname>
        vrfname
      </vrfname>
      <local-index>
        local-index
      </local-index>
      <hardware-token>
        hardware-token
      </hardware-token>
      <snmp-index>
        snmp-index
      </snmp-index>
      <generation>
        generation
      </generation>
      <description>
        description
      </description>
      <if-config-flags>....</if-config-flags>
      <multilink-flapped>
        multilink-flapped
      </multilink-flapped>
      <link-address>
        link-address
      </link-address>
      <encapsulation>
        encapsulation
      </encapsulation>
      <interface-set-name>
        interface-set-name
      </interface-set-name>
      <demux-table-type>
        demux-table-type
      </demux-table-type>
      <gre-keepalive-configured>
        gre-keepalive-configured
      </gre-keepalive-configured>
      <gre-keepalive-adj-state>
        gre-keepalive-adj-state
      </gre-keepalive-adj-state>

```

```
<copy-tos-to-outer-ip-header>
  copy-tos-to-outer-ip-header
</copy-tos-to-outer-ip-header>
<redundant-logical-interface-name>
  redundant-logical-interface-name
</redundant-logical-interface-name>
<layer2-input-policer-information>....</layer2-input-policer-information>
<layer2-output-policer-information>....</layer2-output-policer-information>
<pppoe-information>....</pppoe-information>
<pppoe-underlying-information>....</pppoe-underlying-information>
<demux-interface>....</demux-interface>
<demux-information>....</demux-information>
<dialer-time-to-disconnect>
  dialer-time-to-disconnect
</dialer-time-to-disconnect>
<dialer-information>....</dialer-information>
<shared-interface-information>....</shared-interface-information>
<logical-interface-mac>
  logical-interface-mac
</logical-interface-mac>
<mac-database>....</mac-database>
<logical-interface-bandwidth>
  logical-interface-bandwidth
</logical-interface-bandwidth>
<queue-counters>....</queue-counters>
<ingress-queue-counters>....</ingress-queue-counters>
<multilink-bundle-link-information>....</multilink-bundle-link-information>
<multilink-bundle-options>....</multilink-bundle-options>
<multilink-bundle-errors>....</multilink-bundle-errors>
<multilink-traffic-statistics>....</multilink-traffic-statistics>
<traffic-statistics>....</traffic-statistics>
<multicast-statistics>....</multicast-statistics>
<ingress-traffic-statistics>....</ingress-traffic-statistics>
<local-traffic-statistics>....</local-traffic-statistics>
<transit-traffic-statistics>....</transit-traffic-statistics>
<keepalive-config>....</keepalive-config>
<keepalive-statistics>....</keepalive-statistics>
<ppp-flags>....</ppp-flags>
<lcp-state>
  lcp-state
</lcp-state>
<ncp-information>....</ncp-information>
<chap-state>
  chap-state
</chap-state>
<pap-state>
  pap-state
</pap-state>
<virtual-circuit-information>....</virtual-circuit-information>
<filter-information>....</filter-information>
<policer-information>....</policer-information>
<address-family>....</address-family>
<bridge-iff-properties>....</bridge-iff-properties>
<in-arp-statistics>....</in-arp-statistics>
<l2circuit-info>....</l2circuit-info>
<irb-domain>....</irb-domain>
```

```

    <media-information>....</media-information>
    <multilink-bundle-status>....</multilink-bundle-status>
    <multilink-bundle-class>....</multilink-bundle-class>
    <lag-traffic-statistics>....</lag-traffic-statistics>
    <layer2-input-policer-statistics>....</layer2-input-policer-statistics>
    <layer2-output-policer-statistics>....</layer2-output-policer-statistics>
    <mac-policer-information>....</mac-policer-information>
    <ppp-parameters>....</ppp-parameters>
  </logical-interface>
</physical-interface>
</interface-filter-information>

```

**Description** Information about a single logical interface

## <logical-interface>

### Usage

```

<interface-filter-information>
  <logical-interface>
    <name>
      name
    </name>
    <admin-status>
      admin-status
    </admin-status>
    <oper-status>
      oper-status
    </oper-status>
    <vrfname>
      vrfname
    </vrfname>
    <local-index>
      local-index
    </local-index>
    <hardware-token>
      hardware-token
    </hardware-token>
    <snmp-index>
      snmp-index
    </snmp-index>
    <generation>
      generation
    </generation>
    <description>
      description
    </description>
    <if-config-flags>....</if-config-flags>
    <multilink-flapped>
      multilink-flapped
    </multilink-flapped>
    <link-address>
      link-address
    </link-address>
    <encapsulation>

```

```
    encapsulation
  </encapsulation>
  <interface-set-name>
    interface-set-name
  </interface-set-name>
  <demux-table-type>
    demux-table-type
  </demux-table-type>
  <gre-keepalive-configured>
    gre-keepalive-configured
  </gre-keepalive-configured>
  <gre-keepalive-adj-state>
    gre-keepalive-adj-state
  </gre-keepalive-adj-state>
  <copy-tos-to-outer-ip-header>
    copy-tos-to-outer-ip-header
  </copy-tos-to-outer-ip-header>
  <redundant-logical-interface-name>
    redundant-logical-interface-name
  </redundant-logical-interface-name>
  <layer2-input-policer-information>....</layer2-input-policer-information>
  <layer2-output-policer-information>....</layer2-output-policer-information>
  <pppoe-information>....</pppoe-information>
  <pppoe-underlying-information>....</pppoe-underlying-information>
  <demux-interface>....</demux-interface>
  <demux-information>....</demux-information>
  <dialer-time-to-disconnect>
    dialer-time-to-disconnect
  </dialer-time-to-disconnect>
  <dialer-information>....</dialer-information>
  <shared-interface-information>....</shared-interface-information>
  <logical-interface-mac>
    logical-interface-mac
  </logical-interface-mac>
  <mac-database>....</mac-database>
  <logical-interface-bandwidth>
    logical-interface-bandwidth
  </logical-interface-bandwidth>
  <queue-counters>....</queue-counters>
  <ingress-queue-counters>....</ingress-queue-counters>
  <multilink-bundle-link-information>....</multilink-bundle-link-information>
  <multilink-bundle-options>....</multilink-bundle-options>
  <multilink-bundle-errors>....</multilink-bundle-errors>
  <multilink-traffic-statistics>....</multilink-traffic-statistics>
  <traffic-statistics>....</traffic-statistics>
  <multicast-statistics>....</multicast-statistics>
  <ingress-traffic-statistics>....</ingress-traffic-statistics>
  <local-traffic-statistics>....</local-traffic-statistics>
  <transit-traffic-statistics>....</transit-traffic-statistics>
  <keepalive-config>....</keepalive-config>
  <keepalive-statistics>....</keepalive-statistics>
  <ppp-flags>....</ppp-flags>
  <lcp-state>
    lcp-state
  </lcp-state>
  <ncp-information>....</ncp-information>
```

```

<chap-state>
  chap-state
</chap-state>
<pap-state>
  pap-state
</pap-state>
<virtual-circuit-information>....</virtual-circuit-information>
<filter-information>....</filter-information>
<policer-information>....</policer-information>
<address-family>....</address-family>
<bridge-iff-properties>....</bridge-iff-properties>
<in-arp-statistics>....</in-arp-statistics>
<l2circuit-info>....</l2circuit-info>
<irb-domain>....</irb-domain>
<media-information>....</media-information>
<multilink-bundle-status>....</multilink-bundle-status>
<multilink-bundle-class>....</multilink-bundle-class>
<lag-traffic-statistics>....</lag-traffic-statistics>
<layer2-input-policer-statistics>....</layer2-input-policer-statistics>
<layer2-output-policer-statistics>....</layer2-output-policer-statistics>
<mac-policer-information>....</mac-policer-information>
<ppp-parameters>....</ppp-parameters>
</logical-interface>
</interface-filter-information>

```

**Description** Information about a single logical interface

## <logical-interface>

### Usage

```

<interface-policer-information>
<physical-interface>
  <logical-interface>
    <name>
      name
    </name>
    <admin-status>
      admin-status
    </admin-status>
    <oper-status>
      oper-status
    </oper-status>
    <vrfname>
      vrfname
    </vrfname>
    <local-index>
      local-index
    </local-index>
    <hardware-token>
      hardware-token
    </hardware-token>
    <snmp-index>
      snmp-index
    </snmp-index>
  
```

```
<generation>
  generation
</generation>
<description>
  description
</description>
<if-config-flags>....</if-config-flags>
<multilink-flapped>
  multilink-flapped
</multilink-flapped>
<link-address>
  link-address
</link-address>
<encapsulation>
  encapsulation
</encapsulation>
<interface-set-name>
  interface-set-name
</interface-set-name>
<demux-table-type>
  demux-table-type
</demux-table-type>
<gre-keepalive-configured>
  gre-keepalive-configured
</gre-keepalive-configured>
<gre-keepalive-adj-state>
  gre-keepalive-adj-state
</gre-keepalive-adj-state>
<copy-tos-to-outer-ip-header>
  copy-tos-to-outer-ip-header
</copy-tos-to-outer-ip-header>
<redundant-logical-interface-name>
  redundant-logical-interface-name
</redundant-logical-interface-name>
<layer2-input-policer-information>....</layer2-input-policer-information>
<layer2-output-policer-information>....</layer2-output-policer-information>
<pppoe-information>....</pppoe-information>
<pppoe-underlying-information>....</pppoe-underlying-information>
<demux-interface>....</demux-interface>
<demux-information>....</demux-information>
<dialer-time-to-disconnect>
  dialer-time-to-disconnect
</dialer-time-to-disconnect>
<dialer-information>....</dialer-information>
<shared-interface-information>....</shared-interface-information>
<logical-interface-mac>
  logical-interface-mac
</logical-interface-mac>
<mac-database>....</mac-database>
<logical-interface-bandwidth>
  logical-interface-bandwidth
</logical-interface-bandwidth>
<queue-counters>....</queue-counters>
<ingress-queue-counters>....</ingress-queue-counters>
<multilink-bundle-link-information>....</multilink-bundle-link-information>
<multilink-bundle-options>....</multilink-bundle-options>
```

```

<multilink-bundle-errors>....</multilink-bundle-errors>
<multilink-traffic-statistics>....</multilink-traffic-statistics>
<traffic-statistics>....</traffic-statistics>
<multicast-statistics>....</multicast-statistics>
<ingress-traffic-statistics>....</ingress-traffic-statistics>
<local-traffic-statistics>....</local-traffic-statistics>
<transit-traffic-statistics>....</transit-traffic-statistics>
<keepalive-config>....</keepalive-config>
<keepalive-statistics>....</keepalive-statistics>
<ppp-flags>....</ppp-flags>
<lcp-state>
  lcp-state
</lcp-state>
<ncp-information>....</ncp-information>
<chap-state>
  chap-state
</chap-state>
<pap-state>
  pap-state
</pap-state>
<virtual-circuit-information>....</virtual-circuit-information>
<filter-information>....</filter-information>
<policer-information>....</policer-information>
<address-family>....</address-family>
<bridge-iff-properties>....</bridge-iff-properties>
<in-arp-statistics>....</in-arp-statistics>
<l2circuit-info>....</l2circuit-info>
<irb-domain>....</irb-domain>
<media-information>....</media-information>
<multilink-bundle-status>....</multilink-bundle-status>
<multilink-bundle-class>....</multilink-bundle-class>
<lag-traffic-statistics>....</lag-traffic-statistics>
<layer2-input-policer-statistics>....</layer2-input-policer-statistics>
<layer2-output-policer-statistics>....</layer2-output-policer-statistics>
<mac-policer-information>....</mac-policer-information>
<ppp-parameters>....</ppp-parameters>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** Information about a single logical interface

## <logical-interface>

### Usage

```

<interface-policer-information>
<logical-interface>
  <name>
    name
  </name>
  <admin-status>
    admin-status
  </admin-status>
  <oper-status>

```

```
    oper-status
  </oper-status>
  <vrfname>
    vrfname
  </vrfname>
  <local-index>
    local-index
  </local-index>
  <hardware-token>
    hardware-token
  </hardware-token>
  <snmp-index>
    snmp-index
  </snmp-index>
  <generation>
    generation
  </generation>
  <description>
    description
  </description>
  <if-config-flags>....</if-config-flags>
  <multilink-flapped>
    multilink-flapped
  </multilink-flapped>
  <link-address>
    link-address
  </link-address>
  <encapsulation>
    encapsulation
  </encapsulation>
  <interface-set-name>
    interface-set-name
  </interface-set-name>
  <demux-table-type>
    demux-table-type
  </demux-table-type>
  <gre-keepalive-configured>
    gre-keepalive-configured
  </gre-keepalive-configured>
  <gre-keepalive-adj-state>
    gre-keepalive-adj-state
  </gre-keepalive-adj-state>
  <copy-tos-to-outer-ip-header>
    copy-tos-to-outer-ip-header
  </copy-tos-to-outer-ip-header>
  <redundant-logical-interface-name>
    redundant-logical-interface-name
  </redundant-logical-interface-name>
  <layer2-input-policer-information>....</layer2-input-policer-information>
  <layer2-output-policer-information>....</layer2-output-policer-information>
  <pppoe-information>....</pppoe-information>
  <pppoe-underlying-information>....</pppoe-underlying-information>
  <demux-interface>....</demux-interface>
  <demux-information>....</demux-information>
  <dialer-time-to-disconnect>
    dialer-time-to-disconnect
```



```

</dialer-time-to-disconnect>
<dialer-information>....</dialer-information>
<shared-interface-information>....</shared-interface-information>
<logical-interface-mac>
  logical-interface-mac
</logical-interface-mac>
<mac-database>....</mac-database>
<logical-interface-bandwidth>
  logical-interface-bandwidth
</logical-interface-bandwidth>
<queue-counters>....</queue-counters>
<ingress-queue-counters>....</ingress-queue-counters>
<multilink-bundle-link-information>....</multilink-bundle-link-information>
<multilink-bundle-options>....</multilink-bundle-options>
<multilink-bundle-errors>....</multilink-bundle-errors>
<multilink-traffic-statistics>....</multilink-traffic-statistics>
<traffic-statistics>....</traffic-statistics>
<multicast-statistics>....</multicast-statistics>
<ingress-traffic-statistics>....</ingress-traffic-statistics>
<local-traffic-statistics>....</local-traffic-statistics>
<transit-traffic-statistics>....</transit-traffic-statistics>
<keepalive-config>....</keepalive-config>
<keepalive-statistics>....</keepalive-statistics>
<ppp-flags>....</ppp-flags>
<lcp-state>
  lcp-state
</lcp-state>
<ncp-information>....</ncp-information>
<chap-state>
  chap-state
</chap-state>
<pap-state>
  pap-state
</pap-state>
<virtual-circuit-information>....</virtual-circuit-information>
<filter-information>....</filter-information>
<policer-information>....</policer-information>
<address-family>....</address-family>
<bridge-iff-properties>....</bridge-iff-properties>
<in-arp-statistics>....</in-arp-statistics>
<l2circuit-info>....</l2circuit-info>
<irb-domain>....</irb-domain>
<media-information>....</media-information>
<multilink-bundle-status>....</multilink-bundle-status>
<multilink-bundle-class>....</multilink-bundle-class>
<lag-traffic-statistics>....</lag-traffic-statistics>
<layer2-input-policer-statistics>....</layer2-input-policer-statistics>
<layer2-output-policer-statistics>....</layer2-output-policer-statistics>
<mac-policer-information>....</mac-policer-information>
<ppp-parameters>....</ppp-parameters>
</logical-interface>
</interface-policer-information>

```

**Description** Information about a single logical interface

## <lsi-traffic-statistics>

### Usage

```
<lsi-traffic-statistics>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <input-packets>
    input-packets
  </input-packets>
  <input-pps>
    input-pps
  </input-pps>
</lsi-traffic-statistics>
```

### Description

## <lsi-traffic-statistics>

### Usage

```
<physical-interface>
  <lsi-traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
  </lsi-traffic-statistics>
</physical-interface>
```

### Description

## <lsi-traffic-statistics>

### Usage

```
<interface-information>
  <physical-interface>
    <lsi-traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
```

```

    </input-bps>
    <input-packets>
      input-packets
    </input-packets>
    <input-pps>
      input-pps
    </input-pps>
  </lsi-traffic-statistics>
</physical-interface>
</interface-information>

```

#### Description

### <lsi-traffic-statistics>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <lsi-traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <input-packets>
        input-packets
      </input-packets>
      <input-pps>
        input-pps
      </input-pps>
    </lsi-traffic-statistics>
  </physical-interface>
</interface-filter-information>

```

#### Description

### <lsi-traffic-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <lsi-traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <input-packets>
        input-packets
      </input-packets>
      <input-pps>
        input-pps

```

```
</input-pps>
</lsi-traffic-statistics>
</physical-interface>
</interface-policer-information>
```

#### Description

<mac-database>

#### Usage

```
<mac-database>
  <mac-record>....</mac-record>
  <number-of-mac-record>
    number-of-mac-record
  </number-of-mac-record>
</mac-database>
```

#### Description

<mac-database>

#### Usage

```
<logical-interface>
  <mac-database>
    <mac-record>....</mac-record>
    <number-of-mac-record>
      number-of-mac-record
    </number-of-mac-record>
  </mac-database>
</logical-interface>
```

#### Description

<mac-database>

#### Usage

```
<physical-interface>
  <mac-database>
    <mac-record>....</mac-record>
    <number-of-mac-record>
      number-of-mac-record
    </number-of-mac-record>
  </mac-database>
</physical-interface>
```

#### Description

<mac-database>

#### Usage

```
<physical-interface>
<logical-interface>
```

```

<mac-database>
  <mac-record>....</mac-record>
  <number-of-mac-record>
    number-of-mac-record
  </number-of-mac-record>
</mac-database>
</logical-interface>
</physical-interface>

```

#### Description

<mac-database>

#### Usage

```

<interface-information>
  <physical-interface>
    <mac-database>
      <mac-record>....</mac-record>
      <number-of-mac-record>
        number-of-mac-record
      </number-of-mac-record>
    </mac-database>
  </physical-interface>
</interface-information>

```

#### Description

<mac-database>

#### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <mac-database>
        <mac-record>....</mac-record>
        <number-of-mac-record>
          number-of-mac-record
        </number-of-mac-record>
      </mac-database>
    </logical-interface>
  </physical-interface>
</interface-information>

```

#### Description

<mac-database>

#### Usage

```

<interface-information>
  <logical-interface>
    <mac-database>
      <mac-record>....</mac-record>
      <number-of-mac-record>

```

```
        number-of-mac-record
      </number-of-mac-record>
    </mac-database>
  </logical-interface>
</interface-information>
```

#### Description

### <mac-database>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <mac-database>
      <mac-record>....</mac-record>
      <number-of-mac-record>
        number-of-mac-record
      </number-of-mac-record>
    </mac-database>
  </physical-interface>
</interface-filter-information>
```

#### Description

### <mac-database>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <mac-database>
        <mac-record>....</mac-record>
        <number-of-mac-record>
          number-of-mac-record
        </number-of-mac-record>
      </mac-database>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

#### Description

### <mac-database>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <mac-database>
      <mac-record>....</mac-record>
      <number-of-mac-record>
        number-of-mac-record
      </number-of-mac-record>
    </mac-database>
```

```

</logical-interface>
</interface-filter-information>

```

#### Description

<mac-database>

#### Usage

```

<interface-policer-information>
<physical-interface>
  <mac-database>
    <mac-record>....</mac-record>
    <number-of-mac-record>
      number-of-mac-record
    </number-of-mac-record>
  </mac-database>
</physical-interface>
</interface-policer-information>

```

#### Description

<mac-database>

#### Usage

```

<interface-policer-information>
<physical-interface>
  <logical-interface>
    <mac-database>
      <mac-record>....</mac-record>
      <number-of-mac-record>
        number-of-mac-record
      </number-of-mac-record>
    </mac-database>
  </logical-interface>
</physical-interface>
</interface-policer-information>

```

#### Description

<mac-database>

#### Usage

```

<interface-policer-information>
<logical-interface>
  <mac-database>
    <mac-record>....</mac-record>
    <number-of-mac-record>
      number-of-mac-record
    </number-of-mac-record>
  </mac-database>
</logical-interface>
</interface-policer-information>

```

**Description****<mac-policer-information>****Usage**

```
<mac-policer-information>
  <mac-address>
    mac-address
  </mac-address>
  <mac-entry-type>
    mac-entry-type
  </mac-entry-type>
  <receive-bytes>
    receive-bytes
  </receive-bytes>
  <transmit-bytes>
    transmit-bytes
  </transmit-bytes>
  <receive-frames>
    receive-frames
  </receive-frames>
  <transmit-frames>
    transmit-frames
  </transmit-frames>
  <ether-policer-list>....</ether-policer-list>
</mac-policer-information>
```

**Description****<mac-policer-information>****Usage**

```
<logical-interface>
  <mac-policer-information>
    <mac-address>
      mac-address
    </mac-address>
    <mac-entry-type>
      mac-entry-type
    </mac-entry-type>
    <receive-bytes>
      receive-bytes
    </receive-bytes>
    <transmit-bytes>
      transmit-bytes
    </transmit-bytes>
    <receive-frames>
      receive-frames
    </receive-frames>
    <transmit-frames>
      transmit-frames
    </transmit-frames>
    <ether-policer-list>....</ether-policer-list>
  </mac-policer-information>
```



```
</logical-interface>
```

#### Description

### <mac-policer-information>

#### Usage

```
<physical-interface>
<logical-interface>
  <mac-policer-information>
    <mac-address>
      mac-address
    </mac-address>
    <mac-entry-type>
      mac-entry-type
    </mac-entry-type>
    <receive-bytes>
      receive-bytes
    </receive-bytes>
    <transmit-bytes>
      transmit-bytes
    </transmit-bytes>
    <receive-frames>
      receive-frames
    </receive-frames>
    <transmit-frames>
      transmit-frames
    </transmit-frames>
    <ether-policer-list>....</ether-policer-list>
  </mac-policer-information>
</logical-interface>
</physical-interface>
```

#### Description

### <mac-policer-information>

#### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
  <mac-policer-information>
    <mac-address>
      mac-address
    </mac-address>
    <mac-entry-type>
      mac-entry-type
    </mac-entry-type>
    <receive-bytes>
      receive-bytes
    </receive-bytes>
    <transmit-bytes>
      transmit-bytes
    </transmit-bytes>
```

```
<receive-frames>
  receive-frames
</receive-frames>
<transmit-frames>
  transmit-frames
</transmit-frames>
<ether-policer-list>....</ether-policer-list>
</mac-policer-information>
</logical-interface>
</physical-interface>
</interface-information>
```

#### Description

### <mac-policer-information>

#### Usage

```
<interface-information>
<logical-interface>
  <mac-policer-information>
    <mac-address>
      mac-address
    </mac-address>
    <mac-entry-type>
      mac-entry-type
    </mac-entry-type>
    <receive-bytes>
      receive-bytes
    </receive-bytes>
    <transmit-bytes>
      transmit-bytes
    </transmit-bytes>
    <receive-frames>
      receive-frames
    </receive-frames>
    <transmit-frames>
      transmit-frames
    </transmit-frames>
    <ether-policer-list>....</ether-policer-list>
  </mac-policer-information>
</logical-interface>
</interface-information>
```

#### Description

### <mac-policer-information>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <logical-interface>
    <mac-policer-information>
      <mac-address>
        mac-address
```

```

</mac-address>
<mac-entry-type>
  mac-entry-type
</mac-entry-type>
<receive-bytes>
  receive-bytes
</receive-bytes>
<transmit-bytes>
  transmit-bytes
</transmit-bytes>
<receive-frames>
  receive-frames
</receive-frames>
<transmit-frames>
  transmit-frames
</transmit-frames>
<ether-policer-list>....</ether-policer-list>
</mac-policer-information>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

## Description

### <mac-policer-information>

#### Usage

```

<interface-filter-information>
<logical-interface>
  <mac-policer-information>
    <mac-address>
      mac-address
    </mac-address>
    <mac-entry-type>
      mac-entry-type
    </mac-entry-type>
    <receive-bytes>
      receive-bytes
    </receive-bytes>
    <transmit-bytes>
      transmit-bytes
    </transmit-bytes>
    <receive-frames>
      receive-frames
    </receive-frames>
    <transmit-frames>
      transmit-frames
    </transmit-frames>
    <ether-policer-list>....</ether-policer-list>
  </mac-policer-information>
</logical-interface>
</interface-filter-information>

```

## Description

## <mac-policer-information>

### Usage

```
<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <mac-policer-information>
      <mac-address>
        mac-address
      </mac-address>
      <mac-entry-type>
        mac-entry-type
      </mac-entry-type>
      <receive-bytes>
        receive-bytes
      </receive-bytes>
      <transmit-bytes>
        transmit-bytes
      </transmit-bytes>
      <receive-frames>
        receive-frames
      </receive-frames>
      <transmit-frames>
        transmit-frames
      </transmit-frames>
      <ether-policer-list>....</ether-policer-list>
    </mac-policer-information>
  </logical-interface>
</physical-interface>
</interface-policer-information>
```

### Description

## <mac-policer-information>

### Usage

```
<interface-policer-information>
  <logical-interface>
    <mac-policer-information>
      <mac-address>
        mac-address
      </mac-address>
      <mac-entry-type>
        mac-entry-type
      </mac-entry-type>
      <receive-bytes>
        receive-bytes
      </receive-bytes>
      <transmit-bytes>
        transmit-bytes
      </transmit-bytes>
      <receive-frames>
        receive-frames
      </receive-frames>
```

```

    <transmit-frames>
      transmit-frames
    </transmit-frames>
    <ether-policer-list>....</ether-policer-list>
  </mac-policer-information>
</logical-interface>
</interface-policer-information>

```

#### Description

#### <mac-record>

##### Usage

```

<mac-database>
  <mac-record>
    <mac-address>
      mac-address
    </mac-address>
    <receive-frames>
      receive-frames
    </receive-frames>
    <receive-bytes>
      receive-bytes
    </receive-bytes>
    <transmit-frames>
      transmit-frames
    </transmit-frames>
    <transmit-bytes>
      transmit-bytes
    </transmit-bytes>
  </mac-record>
</mac-database>

```

#### Description

#### <mac-record>

##### Usage

```

<logical-interface>
  <mac-database>
    <mac-record>
      <mac-address>
        mac-address
      </mac-address>
      <receive-frames>
        receive-frames
      </receive-frames>
      <receive-bytes>
        receive-bytes
      </receive-bytes>
      <transmit-frames>
        transmit-frames
      </transmit-frames>
      <transmit-bytes>

```

```
        transmit-bytes
      </transmit-bytes>
    </mac-record>
  </mac-database>
</logical-interface>
```

#### Description

### <mac-record>

#### Usage

```
<physical-interface>
  <mac-database>
    <mac-record>
      <mac-address>
        mac-address
      </mac-address>
      <receive-frames>
        receive-frames
      </receive-frames>
      <receive-bytes>
        receive-bytes
      </receive-bytes>
      <transmit-frames>
        transmit-frames
      </transmit-frames>
      <transmit-bytes>
        transmit-bytes
      </transmit-bytes>
    </mac-record>
  </mac-database>
</physical-interface>
```

#### Description

### <mac-record>

#### Usage

```
<physical-interface>
  <logical-interface>
    <mac-database>
      <mac-record>
        <mac-address>
          mac-address
        </mac-address>
        <receive-frames>
          receive-frames
        </receive-frames>
        <receive-bytes>
          receive-bytes
        </receive-bytes>
        <transmit-frames>
          transmit-frames
        </transmit-frames>
```

```

    <transmit-bytes>
      transmit-bytes
    </transmit-bytes>
  </mac-record>
</mac-database>
</logical-interface>
</physical-interface>

```

#### Description

#### <mac-record>

##### Usage

```

<interface-information>
  <physical-interface>
    <mac-database>
      <mac-record>
        <mac-address>
          mac-address
        </mac-address>
        <receive-frames>
          receive-frames
        </receive-frames>
        <receive-bytes>
          receive-bytes
        </receive-bytes>
        <transmit-frames>
          transmit-frames
        </transmit-frames>
        <transmit-bytes>
          transmit-bytes
        </transmit-bytes>
      </mac-record>
    </mac-database>
  </physical-interface>
</interface-information>

```

#### Description

#### <mac-record>

##### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <mac-database>
        <mac-record>
          <mac-address>
            mac-address
          </mac-address>
          <receive-frames>
            receive-frames
          </receive-frames>
          <receive-bytes>

```

```
        receive-bytes
      </receive-bytes>
    <transmit-frames>
      transmit-frames
    </transmit-frames>
    <transmit-bytes>
      transmit-bytes
    </transmit-bytes>
  </mac-record>
</mac-database>
</logical-interface>
</physical-interface>
</interface-information>
```

#### Description

#### <mac-record>

##### Usage

```
<interface-information>
  <logical-interface>
    <mac-database>
      <mac-record>
        <mac-address>
          mac-address
        </mac-address>
        <receive-frames>
          receive-frames
        </receive-frames>
        <receive-bytes>
          receive-bytes
        </receive-bytes>
        <transmit-frames>
          transmit-frames
        </transmit-frames>
        <transmit-bytes>
          transmit-bytes
        </transmit-bytes>
      </mac-record>
    </mac-database>
  </logical-interface>
</interface-information>
```

#### Description

#### <mac-record>

##### Usage

```
<interface-filter-information>
  <physical-interface>
    <mac-database>
      <mac-record>
        <mac-address>
          mac-address
```



```

</mac-address>
<receive-frames>
  receive-frames
</receive-frames>
<receive-bytes>
  receive-bytes
</receive-bytes>
<transmit-frames>
  transmit-frames
</transmit-frames>
<transmit-bytes>
  transmit-bytes
</transmit-bytes>
</mac-record>
</mac-database>
</physical-interface>
</interface-filter-information>

```

#### Description

#### <mac-record>

#### Usage

```

<interface-filter-information>
<physical-interface>
<logical-interface>
  <mac-database>
    <mac-record>
      <mac-address>
        mac-address
      </mac-address>
      <receive-frames>
        receive-frames
      </receive-frames>
      <receive-bytes>
        receive-bytes
      </receive-bytes>
      <transmit-frames>
        transmit-frames
      </transmit-frames>
      <transmit-bytes>
        transmit-bytes
      </transmit-bytes>
    </mac-record>
  </mac-database>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

#### Description

## <mac-record>

### Usage

```
<interface-filter-information>
  <logical-interface>
    <mac-database>
      <mac-record>
        <mac-address>
          mac-address
        </mac-address>
        <receive-frames>
          receive-frames
        </receive-frames>
        <receive-bytes>
          receive-bytes
        </receive-bytes>
        <transmit-frames>
          transmit-frames
        </transmit-frames>
        <transmit-bytes>
          transmit-bytes
        </transmit-bytes>
      </mac-record>
    </mac-database>
  </logical-interface>
</interface-filter-information>
```

### Description

## <mac-record>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <mac-database>
      <mac-record>
        <mac-address>
          mac-address
        </mac-address>
        <receive-frames>
          receive-frames
        </receive-frames>
        <receive-bytes>
          receive-bytes
        </receive-bytes>
        <transmit-frames>
          transmit-frames
        </transmit-frames>
        <transmit-bytes>
          transmit-bytes
        </transmit-bytes>
      </mac-record>
    </mac-database>
  </physical-interface>
```

```
</interface-policer-information>
```

## Description

### <mac-record>

#### Usage

```
<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <mac-database>
      <mac-record>
        <mac-address>
          mac-address
        </mac-address>
        <receive-frames>
          receive-frames
        </receive-frames>
        <receive-bytes>
          receive-bytes
        </receive-bytes>
        <transmit-frames>
          transmit-frames
        </transmit-frames>
        <transmit-bytes>
          transmit-bytes
        </transmit-bytes>
      </mac-record>
    </mac-database>
  </logical-interface>
</physical-interface>
</interface-policer-information>
```

## Description

### <mac-record>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <mac-database>
      <mac-record>
        <mac-address>
          mac-address
        </mac-address>
        <receive-frames>
          receive-frames
        </receive-frames>
        <receive-bytes>
          receive-bytes
        </receive-bytes>
        <transmit-frames>
          transmit-frames
        </transmit-frames>
```

```
<transmit-bytes>
  transmit-bytes
</transmit-bytes>
</mac-record>
</mac-database>
</logical-interface>
</interface-policer-information>
```

#### Description

### <mac-validate-statistics>

#### Usage

```
<mac-validate-statistics>
  <mac-validate-packets>
    mac-validate-packets
  </mac-validate-packets>
  <mac-validate-bytes>
    mac-validate-bytes
  </mac-validate-bytes>
</mac-validate-statistics>
```

**Description** SRC MAC validate statistics

### <mac-validate-statistics>

#### Usage

```
<address-family>
  <mac-validate-statistics>
    <mac-validate-packets>
      mac-validate-packets
    </mac-validate-packets>
    <mac-validate-bytes>
      mac-validate-bytes
    </mac-validate-bytes>
  </mac-validate-statistics>
</address-family>
```

**Description** SRC MAC validate statistics

### <mac-validate-statistics>

#### Usage

```
<logical-interface>
  <address-family>
    <mac-validate-statistics>
      <mac-validate-packets>
        mac-validate-packets
      </mac-validate-packets>
      <mac-validate-bytes>
        mac-validate-bytes
      </mac-validate-bytes>
    </mac-validate-statistics>
  </address-family>
</logical-interface>
```

```

        </mac-validate-bytes>
      </mac-validate-statistics>
    </address-family>
  </logical-interface>

```

**Description** SRC MAC validate statistics

### <mac-validate-statistics>

#### Usage

```

    <physical-interface>
      <logical-interface>
        <address-family>
          <mac-validate-statistics>
            <mac-validate-packets>
              mac-validate-packets
            </mac-validate-packets>
            <mac-validate-bytes>
              mac-validate-bytes
            </mac-validate-bytes>
          </mac-validate-statistics>
        </address-family>
      </logical-interface>
    </physical-interface>

```

**Description** SRC MAC validate statistics

### <mac-validate-statistics>

#### Usage

```

    <interface-information>
      <physical-interface>
        <logical-interface>
          <address-family>
            <mac-validate-statistics>
              <mac-validate-packets>
                mac-validate-packets
              </mac-validate-packets>
              <mac-validate-bytes>
                mac-validate-bytes
              </mac-validate-bytes>
            </mac-validate-statistics>
          </address-family>
        </logical-interface>
      </physical-interface>
    </interface-information>

```

**Description** SRC MAC validate statistics

## <mac-validate-statistics>

### Usage

```
<interface-information>
  <logical-interface>
    <address-family>
      <mac-validate-statistics>
        <mac-validate-packets>
          mac-validate-packets
        </mac-validate-packets>
        <mac-validate-bytes>
          mac-validate-bytes
        </mac-validate-bytes>
      </mac-validate-statistics>
    </address-family>
  </logical-interface>
</interface-information>
```

**Description** SRC MAC validate statistics

## <mac-validate-statistics>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <address-family>
        <mac-validate-statistics>
          <mac-validate-packets>
            mac-validate-packets
          </mac-validate-packets>
          <mac-validate-bytes>
            mac-validate-bytes
          </mac-validate-bytes>
        </mac-validate-statistics>
      </address-family>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description** SRC MAC validate statistics

## <mac-validate-statistics>

### Usage

```
<interface-filter-information>
  <logical-interface>
    <address-family>
      <mac-validate-statistics>
        <mac-validate-packets>
          mac-validate-packets
        </mac-validate-packets>
```

```

    <mac-validate-bytes>
      mac-validate-bytes
    </mac-validate-bytes>
  </mac-validate-statistics>
</address-family>
</logical-interface>
</interface-filter-information>

```

**Description** SRC MAC validate statistics

### <mac-validate-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <address-family>
        <mac-validate-statistics>
          <mac-validate-packets>
            mac-validate-packets
          </mac-validate-packets>
          <mac-validate-bytes>
            mac-validate-bytes
          </mac-validate-bytes>
        </mac-validate-statistics>
      </address-family>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

**Description** SRC MAC validate statistics

### <mac-validate-statistics>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <address-family>
      <mac-validate-statistics>
        <mac-validate-packets>
          mac-validate-packets
        </mac-validate-packets>
        <mac-validate-bytes>
          mac-validate-bytes
        </mac-validate-bytes>
      </mac-validate-statistics>
    </address-family>
  </logical-interface>
</interface-policer-information>

```

**Description** SRC MAC validate statistics

## <media-alarm>

### Usage

```
<media-alarm>
  <media-alarm-name>
    media-alarm-name
  </media-alarm-name>
  <media-alarm-seconds>
    media-alarm-seconds
  </media-alarm-seconds>
  <media-alarm-count>
    media-alarm-count
  </media-alarm-count>
  <media-alarm-state>
    media-alarm-state
  </media-alarm-state>
  <ce-counter-name>
    ce-counter-name
  </ce-counter-name>
  <ce-counter-packets>
    ce-counter-packets
  </ce-counter-packets>
  <ce-counter-bytes>
    ce-counter-bytes
  </ce-counter-bytes>
  <ce-counter-count>
    ce-counter-count
  </ce-counter-count>
</media-alarm>
```

### Description

## <media-alarm>

### Usage

```
<interval-information>
  <interval>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
```



```

        ce-counter-packets
      </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</interval>
</interval-information>

```

### Description

#### <media-alarm>

#### Usage

```

<sonet-errors>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</sonet-errors>

```

### Description

#### <media-alarm>

#### Usage

```

<sonet-physical-information>
  <media-alarm>
    <media-alarm-name>

```

```
    media-alarm-name
  </media-alarm-name>
  <media-alarm-seconds>
    media-alarm-seconds
  </media-alarm-seconds>
  <media-alarm-count>
    media-alarm-count
  </media-alarm-count>
  <media-alarm-state>
    media-alarm-state
  </media-alarm-state>
  <ce-counter-name>
    ce-counter-name
  </ce-counter-name>
  <ce-counter-packets>
    ce-counter-packets
  </ce-counter-packets>
  <ce-counter-bytes>
    ce-counter-bytes
  </ce-counter-bytes>
  <ce-counter-count>
    ce-counter-count
  </ce-counter-count>
</media-alarm>
</sonet-physical-information>
```

## Description

### <media-alarm>

#### Usage

```
<sonet-section-information>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
```

```

        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </sonet-section-information>

```

#### Description

#### <media-alarm>

#### Usage

```

<sonet-line-information>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</sonet-line-information>

```

#### Description

#### <media-alarm>

#### Usage

```

<sonet-path-information>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
  </media-alarm>
</sonet-path-information>

```

```
</media-alarm-count>
<media-alarm-state>
  media-alarm-state
</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</sonet-path-information>
```

#### Description

#### <media-alarm>

#### Usage

```
<sonet-vt-information>
<media-alarm>
  <media-alarm-name>
    media-alarm-name
  </media-alarm-name>
  <media-alarm-seconds>
    media-alarm-seconds
  </media-alarm-seconds>
  <media-alarm-count>
    media-alarm-count
  </media-alarm-count>
  <media-alarm-state>
    media-alarm-state
  </media-alarm-state>
  <ce-counter-name>
    ce-counter-name
  </ce-counter-name>
  <ce-counter-packets>
    ce-counter-packets
  </ce-counter-packets>
  <ce-counter-bytes>
    ce-counter-bytes
  </ce-counter-bytes>
  <ce-counter-count>
    ce-counter-count
  </ce-counter-count>
</media-alarm>
</sonet-vt-information>
```

#### Description

**<media-alarm>****Usage**

```

<atm-information>
<plcp-defects>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</plcp-defects>
</atm-information>

```

**Description****<media-alarm>****Usage**

```

<atm-information>
<atm-defects>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
  </media-alarm>
</atm-defects>
</atm-information>

```

```
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</atm-defects>
</atm-information>
```

#### Description

#### <media-alarm>

#### Usage

```
<media-information>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</media-information>
```

#### Description

**<media-alarm>****Usage**

```

<otn-errors>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</otn-errors>

```

**Description****<media-alarm>****Usage**

```

<otn-oc-information>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
  </media-alarm>
</otn-oc-information>

```

```
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</otn-oc-information>
```

#### Description

### <media-alarm>

#### Usage

```
<otn-otu-information>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</otn-otu-information>
```

#### Description

### <media-alarm>

#### Usage

```
<otn-fec-alarms>
  <media-alarm>
    <media-alarm-name>
```



```

    media-alarm-name
  </media-alarm-name>
  <media-alarm-seconds>
    media-alarm-seconds
  </media-alarm-seconds>
  <media-alarm-count>
    media-alarm-count
  </media-alarm-count>
  <media-alarm-state>
    media-alarm-state
  </media-alarm-state>
  <ce-counter-name>
    ce-counter-name
  </ce-counter-name>
  <ce-counter-packets>
    ce-counter-packets
  </ce-counter-packets>
  <ce-counter-bytes>
    ce-counter-bytes
  </ce-counter-bytes>
  <ce-counter-count>
    ce-counter-count
  </ce-counter-count>
</media-alarm>
</otn-fec-alarms>

```

## Description

### <media-alarm>

## Usage

```

<otn-odu-information>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>

```

```
ce-counter-count
</ce-counter-count>
</media-alarm>
</otn-odu-information>
```

#### Description

### <media-alarm>

#### Usage

```
<ima-group-information>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</ima-group-information>
```

#### Description

### <media-alarm>

#### Usage

```
<ima-link-information>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
  </media-alarm>
</ima-link-information>
```

```

</media-alarm-count>
<media-alarm-state>
  media-alarm-state
</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</ima-link-information>

```

#### Description

#### <media-alarm>

#### Usage

```

<logical-interface>
  <media-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </media-information>
</logical-interface>

```

**Description****<media-alarm>****Usage**

```
<physical-interface>
  <sonet-errors>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </sonet-errors>
</physical-interface>
```

**Description****<media-alarm>****Usage**

```
<physical-interface>
  <sonet-physical-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
    </media-alarm>
  </sonet-physical-information>
</physical-interface>
```

```

</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</sonet-physical-information>
</physical-interface>

```

### Description

#### <media-alarm>

### Usage

```

<physical-interface>
  <sonet-section-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </sonet-section-information>
</physical-interface>

```

### Description

## <media-alarm>

### Usage

```
<physical-interface>
<sonet-line-information>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</sonet-line-information>
</physical-interface>
```

### Description

## <media-alarm>

### Usage

```
<physical-interface>
<sonet-path-information>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
```

```

    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</sonet-path-information>
</physical-interface>

```

#### Description

#### <media-alarm>

#### Usage

```

<physical-interface>
  <sonet-vt-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </sonet-vt-information>
</physical-interface>

```

#### Description

## <media-alarm>

### Usage

```
<physical-interface>
<otn-errors>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</otn-errors>
</physical-interface>
```

### Description

## <media-alarm>

### Usage

```
<physical-interface>
<otn-fec-alarms>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
```



```

    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</otn-fec-alarms>
</physical-interface>

```

#### Description

#### <media-alarm>

#### Usage

```

<physical-interface>
  <media-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </media-information>
</physical-interface>

```

#### Description

## <media-alarm>

### Usage

```
<physical-interface>
<atm-information>
<plcp-defects>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</plcp-defects>
</atm-information>
</physical-interface>
```

### Description

## <media-alarm>

### Usage

```
<physical-interface>
<atm-information>
<atm-defects>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
```

```

<media-alarm-state>
  media-alarm-state
</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</atm-defects>
</atm-information>
</physical-interface>

```

#### Description

#### <media-alarm>

#### Usage

```

<physical-interface>
<logical-interface>
<media-information>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</media-information>

```

```
</logical-interface>
</physical-interface>
```

#### Description

#### <media-alarm>

##### Usage

```
<physical-interface>
<links>
  <link-entry>
    <sonet-errors>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
        </ce-counter-name>
        <ce-counter-packets>
          ce-counter-packets
        </ce-counter-packets>
        <ce-counter-bytes>
          ce-counter-bytes
        </ce-counter-bytes>
        <ce-counter-count>
          ce-counter-count
        </ce-counter-count>
      </media-alarm>
    </sonet-errors>
  </link-entry>
</links>
</physical-interface>
```

#### Description

#### <media-alarm>

##### Usage

```
<physical-interface>
<links>
  <link-entry>
    <sonet-physical-information>
      <media-alarm>
        <media-alarm-name>
```

```

        media-alarm-name
      </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</sonet-physical-information>
</link-entry>
</links>
</physical-interface>

```

## Description

### <media-alarm>

#### Usage

```

<physical-interface>
  <links>
    <link-entry>
      <sonet-section-information>
        <media-alarm>
          <media-alarm-name>
            media-alarm-name
          </media-alarm-name>
          <media-alarm-seconds>
            media-alarm-seconds
          </media-alarm-seconds>
          <media-alarm-count>
            media-alarm-count
          </media-alarm-count>
          <media-alarm-state>
            media-alarm-state
          </media-alarm-state>
          <ce-counter-name>
            ce-counter-name
          </ce-counter-name>
          <ce-counter-packets>

```

```
        ce-counter-packets
      </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</sonet-section-information>
</link-entry>
</links>
</physical-interface>
```

## Description

### <media-alarm>

#### Usage

```
<physical-interface>
<links>
  <link-entry>
    <sonet-line-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
        </ce-counter-name>
        <ce-counter-packets>
          ce-counter-packets
        </ce-counter-packets>
        <ce-counter-bytes>
          ce-counter-bytes
        </ce-counter-bytes>
        <ce-counter-count>
          ce-counter-count
        </ce-counter-count>
      </media-alarm>
    </sonet-line-information>
  </link-entry>
</links>
</physical-interface>
```

## Description

## &lt;media-alarm&gt;

## Usage

```

<physical-interface>
<links>
  <link-entry>
    <sonet-path-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
        </ce-counter-name>
        <ce-counter-packets>
          ce-counter-packets
        </ce-counter-packets>
        <ce-counter-bytes>
          ce-counter-bytes
        </ce-counter-bytes>
        <ce-counter-count>
          ce-counter-count
        </ce-counter-count>
      </media-alarm>
    </sonet-path-information>
  </link-entry>
</links>
</physical-interface>

```

## Description

## &lt;media-alarm&gt;

## Usage

```

<physical-interface>
<links>
  <link-entry>
    <sonet-vt-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds

```

```
</media-alarm-seconds>
<media-alarm-count>
  media-alarm-count
</media-alarm-count>
<media-alarm-state>
  media-alarm-state
</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</sonet-vt-information>
</link-entry>
</links>
</physical-interface>
```

## Description

### <media-alarm>

#### Usage

```
<physical-interface>
<otn-oc-information>
<media-alarm>
  <media-alarm-name>
    media-alarm-name
  </media-alarm-name>
  <media-alarm-seconds>
    media-alarm-seconds
  </media-alarm-seconds>
  <media-alarm-count>
    media-alarm-count
  </media-alarm-count>
  <media-alarm-state>
    media-alarm-state
  </media-alarm-state>
  <ce-counter-name>
    ce-counter-name
  </ce-counter-name>
  <ce-counter-packets>
    ce-counter-packets
  </ce-counter-packets>
  <ce-counter-bytes>
    ce-counter-bytes
  </ce-counter-bytes>
  <ce-counter-count>
```



```

        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </otn-oc-information>
</physical-interface>

```

#### Description

#### <media-alarm>

##### Usage

```

<physical-interface>
  <otn-otu-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </otn-otu-information>
</physical-interface>

```

#### Description

#### <media-alarm>

##### Usage

```

<physical-interface>
  <otn-odu-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>

```

```
    media-alarm-seconds
  </media-alarm-seconds>
  <media-alarm-count>
    media-alarm-count
  </media-alarm-count>
  <media-alarm-state>
    media-alarm-state
  </media-alarm-state>
  <ce-counter-name>
    ce-counter-name
  </ce-counter-name>
  <ce-counter-packets>
    ce-counter-packets
  </ce-counter-packets>
  <ce-counter-bytes>
    ce-counter-bytes
  </ce-counter-bytes>
  <ce-counter-count>
    ce-counter-count
  </ce-counter-count>
</media-alarm>
</otn-odu-information>
</physical-interface>
```

## Description

### <media-alarm>

#### Usage

```
<physical-interface>
  <ima-group-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
```

```

    </ce-counter-count>
  </media-alarm>
</ima-group-information>
</physical-interface>

```

#### Description

#### <media-alarm>

#### Usage

```

<physical-interface>
  <ima-link-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </ima-link-information>
</physical-interface>

```

#### Description

#### <media-alarm>

#### Usage

```

<physical-interface>
  <interval-information>
    <interval>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>

```

```
        media-alarm-seconds
      </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</interval>
</interval-information>
</physical-interface>
```

## Description

### <media-alarm>

#### Usage

```
<interface-information>
<physical-interface>
  <sonet-errors>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
```

```

    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</sonet-errors>
</physical-interface>
</interface-information>

```

#### Description

### <media-alarm>

#### Usage

```

<interface-information>
  <physical-interface>
    <sonet-physical-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
        </ce-counter-name>
        <ce-counter-packets>
          ce-counter-packets
        </ce-counter-packets>
        <ce-counter-bytes>
          ce-counter-bytes
        </ce-counter-bytes>
        <ce-counter-count>
          ce-counter-count
        </ce-counter-count>
      </media-alarm>
    </sonet-physical-information>
  </physical-interface>
</interface-information>

```

#### Description

### <media-alarm>

#### Usage

```

<interface-information>
  <physical-interface>
    <sonet-section-information>

```

```
<media-alarm>
  <media-alarm-name>
    media-alarm-name
  </media-alarm-name>
  <media-alarm-seconds>
    media-alarm-seconds
  </media-alarm-seconds>
  <media-alarm-count>
    media-alarm-count
  </media-alarm-count>
  <media-alarm-state>
    media-alarm-state
  </media-alarm-state>
  <ce-counter-name>
    ce-counter-name
  </ce-counter-name>
  <ce-counter-packets>
    ce-counter-packets
  </ce-counter-packets>
  <ce-counter-bytes>
    ce-counter-bytes
  </ce-counter-bytes>
  <ce-counter-count>
    ce-counter-count
  </ce-counter-count>
</media-alarm>
</sonet-section-information>
</physical-interface>
</interface-information>
```

## Description

### <media-alarm>

#### Usage

```
<interface-information>
  <physical-interface>
    <sonet-line-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
        </ce-counter-name>
        <ce-counter-packets>
```

```

        ce-counter-packets
      </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</sonet-line-information>
</physical-interface>
</interface-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-information>
  <physical-interface>
    <sonet-path-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
        </ce-counter-name>
        <ce-counter-packets>
          ce-counter-packets
        </ce-counter-packets>
        <ce-counter-bytes>
          ce-counter-bytes
        </ce-counter-bytes>
        <ce-counter-count>
          ce-counter-count
        </ce-counter-count>
      </media-alarm>
    </sonet-path-information>
  </physical-interface>
</interface-information>

```

## Description

## <media-alarm>

### Usage

```
<interface-information>
  <physical-interface>
    <sonet-vt-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
        </ce-counter-name>
        <ce-counter-packets>
          ce-counter-packets
        </ce-counter-packets>
        <ce-counter-bytes>
          ce-counter-bytes
        </ce-counter-bytes>
        <ce-counter-count>
          ce-counter-count
        </ce-counter-count>
      </media-alarm>
    </sonet-vt-information>
  </physical-interface>
</interface-information>
```

### Description

## <media-alarm>

### Usage

```
<interface-information>
  <physical-interface>
    <otn-errors>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
```



```

<media-alarm-state>
  media-alarm-state
</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</otn-errors>
</physical-interface>
</interface-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-information>
<physical-interface>
<otn-fec-alarms>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</otn-fec-alarms>

```

```
</physical-interface>
</interface-information>
```

#### Description

### <media-alarm>

#### Usage

```
<interface-information>
<physical-interface>
  <media-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </media-information>
</physical-interface>
</interface-information>
```

#### Description

### <media-alarm>

#### Usage

```
<interface-information>
<physical-interface>
  <atm-information>
    <plcp-defects>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
```

```

<media-alarm-seconds>
  media-alarm-seconds
</media-alarm-seconds>
<media-alarm-count>
  media-alarm-count
</media-alarm-count>
<media-alarm-state>
  media-alarm-state
</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</plcp-defects>
</atm-information>
</physical-interface>
</interface-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-information>
  <physical-interface>
    <atm-information>
      <atm-defects>
        <media-alarm>
          <media-alarm-name>
            media-alarm-name
          </media-alarm-name>
          <media-alarm-seconds>
            media-alarm-seconds
          </media-alarm-seconds>
          <media-alarm-count>
            media-alarm-count
          </media-alarm-count>
          <media-alarm-state>
            media-alarm-state
          </media-alarm-state>
          <ce-counter-name>
            ce-counter-name
          </ce-counter-name>
          <ce-counter-packets>
            ce-counter-packets
          </ce-counter-packets>

```

```
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</atm-defects>
</atm-information>
</physical-interface>
</interface-information>
```

## Description

### <media-alarm>

#### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
<media-information>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</media-information>
</logical-interface>
</physical-interface>
</interface-information>
```

## Description

**<media-alarm>****Usage**

```

<interface-information>
<physical-interface>
<links>
  <link-entry>
    <sonet-errors>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
        </ce-counter-name>
        <ce-counter-packets>
          ce-counter-packets
        </ce-counter-packets>
        <ce-counter-bytes>
          ce-counter-bytes
        </ce-counter-bytes>
        <ce-counter-count>
          ce-counter-count
        </ce-counter-count>
      </media-alarm>
    </sonet-errors>
  </link-entry>
</links>
</physical-interface>
</interface-information>

```

**Description****<media-alarm>****Usage**

```

<interface-information>
<physical-interface>
<links>
  <link-entry>
    <sonet-physical-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>

```

```
<media-alarm-seconds>
  media-alarm-seconds
</media-alarm-seconds>
<media-alarm-count>
  media-alarm-count
</media-alarm-count>
<media-alarm-state>
  media-alarm-state
</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</sonet-physical-information>
</link-entry>
</links>
</physical-interface>
</interface-information>
```

## Description

### <media-alarm>

#### Usage

```
<interface-information>
<physical-interface>
<links>
<link-entry>
<sonet-section-information>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
```

```

        ce-counter-packets
      </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</sonet-section-information>
</link-entry>
</links>
</physical-interface>
</interface-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-line-information>
          <media-alarm>
            <media-alarm-name>
              media-alarm-name
            </media-alarm-name>
            <media-alarm-seconds>
              media-alarm-seconds
            </media-alarm-seconds>
            <media-alarm-count>
              media-alarm-count
            </media-alarm-count>
            <media-alarm-state>
              media-alarm-state
            </media-alarm-state>
            <ce-counter-name>
              ce-counter-name
            </ce-counter-name>
            <ce-counter-packets>
              ce-counter-packets
            </ce-counter-packets>
            <ce-counter-bytes>
              ce-counter-bytes
            </ce-counter-bytes>
            <ce-counter-count>
              ce-counter-count
            </ce-counter-count>
          </media-alarm>
        </sonet-line-information>
      </link-entry>
    </links>
  </physical-interface>

```

```
</interface-information>
```

#### Description

### <media-alarm>

#### Usage

```
<interface-information>
<physical-interface>
<links>
  <link-entry>
    <sonet-path-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
        </ce-counter-name>
        <ce-counter-packets>
          ce-counter-packets
        </ce-counter-packets>
        <ce-counter-bytes>
          ce-counter-bytes
        </ce-counter-bytes>
        <ce-counter-count>
          ce-counter-count
        </ce-counter-count>
      </media-alarm>
    </sonet-path-information>
  </link-entry>
</links>
</physical-interface>
</interface-information>
```

#### Description

### <media-alarm>

#### Usage

```
<interface-information>
<physical-interface>
<links>
  <link-entry>
    <sonet-vt-information>
```



```

<media-alarm>
  <media-alarm-name>
    media-alarm-name
  </media-alarm-name>
  <media-alarm-seconds>
    media-alarm-seconds
  </media-alarm-seconds>
  <media-alarm-count>
    media-alarm-count
  </media-alarm-count>
  <media-alarm-state>
    media-alarm-state
  </media-alarm-state>
  <ce-counter-name>
    ce-counter-name
  </ce-counter-name>
  <ce-counter-packets>
    ce-counter-packets
  </ce-counter-packets>
  <ce-counter-bytes>
    ce-counter-bytes
  </ce-counter-bytes>
  <ce-counter-count>
    ce-counter-count
  </ce-counter-count>
</media-alarm>
</sonet-vt-information>
</link-entry>
</links>
</physical-interface>
</interface-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-information>
  <physical-interface>
    <otn-oc-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name

```

```
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</otn-oc-information>
</physical-interface>
</interface-information>
```

## Description

### <media-alarm>

#### Usage

```
<interface-information>
<physical-interface>
  <otn-otu-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </otn-otu-information>
</physical-interface>
</interface-information>
```

## Description

**<media-alarm>****Usage**

```

<interface-information>
  <physical-interface>
    <otn-odu-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
        </ce-counter-name>
        <ce-counter-packets>
          ce-counter-packets
        </ce-counter-packets>
        <ce-counter-bytes>
          ce-counter-bytes
        </ce-counter-bytes>
        <ce-counter-count>
          ce-counter-count
        </ce-counter-count>
      </media-alarm>
    </otn-odu-information>
  </physical-interface>
</interface-information>

```

**Description****<media-alarm>****Usage**

```

<interface-information>
  <physical-interface>
    <ima-group-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
      </media-alarm>
    </ima-group-information>
  </physical-interface>
</interface-information>

```

```
<media-alarm-state>
  media-alarm-state
</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</ima-group-information>
</physical-interface>
</interface-information>
```

## Description

### <media-alarm>

#### Usage

```
<interface-information>
<physical-interface>
  <ima-link-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </ima-link-information>
```

```

    </physical-interface>
  </interface-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-information>
  <physical-interface>
    <interval-information>
      <interval>
        <media-alarm>
          <media-alarm-name>
            media-alarm-name
          </media-alarm-name>
          <media-alarm-seconds>
            media-alarm-seconds
          </media-alarm-seconds>
          <media-alarm-count>
            media-alarm-count
          </media-alarm-count>
          <media-alarm-state>
            media-alarm-state
          </media-alarm-state>
          <ce-counter-name>
            ce-counter-name
          </ce-counter-name>
          <ce-counter-packets>
            ce-counter-packets
          </ce-counter-packets>
          <ce-counter-bytes>
            ce-counter-bytes
          </ce-counter-bytes>
          <ce-counter-count>
            ce-counter-count
          </ce-counter-count>
        </media-alarm>
      </interval>
    </interval-information>
  </physical-interface>
</interface-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-information>
  <logical-interface>
    <media-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name

```

```
</media-alarm-name>
<media-alarm-seconds>
  media-alarm-seconds
</media-alarm-seconds>
<media-alarm-count>
  media-alarm-count
</media-alarm-count>
<media-alarm-state>
  media-alarm-state
</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</media-information>
</logical-interface>
</interface-information>
```

## Description

### <media-alarm>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <sonet-errors>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
```

```

        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </sonet-errors>
</physical-interface>
</interface-filter-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <sonet-physical-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
        </ce-counter-name>
        <ce-counter-packets>
          ce-counter-packets
        </ce-counter-packets>
        <ce-counter-bytes>
          ce-counter-bytes
        </ce-counter-bytes>
        <ce-counter-count>
          ce-counter-count
        </ce-counter-count>
      </media-alarm>
    </sonet-physical-information>
  </physical-interface>
</interface-filter-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-filter-information>

```

```
<physical-interface>
  <sonet-section-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </sonet-section-information>
</physical-interface>
</interface-filter-information>
```

## Description

### <media-alarm>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <sonet-line-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
```



```

    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</sonet-line-information>
</physical-interface>
</interface-filter-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <sonet-path-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
        </ce-counter-name>
        <ce-counter-packets>
          ce-counter-packets
        </ce-counter-packets>
        <ce-counter-bytes>
          ce-counter-bytes
        </ce-counter-bytes>
        <ce-counter-count>
          ce-counter-count
        </ce-counter-count>
      </media-alarm>
    </sonet-path-information>
  </physical-interface>
</interface-filter-information>

```

## Description

## <media-alarm>

### Usage

```
<interface-filter-information>
<physical-interface>
  <sonet-vt-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </sonet-vt-information>
</physical-interface>
</interface-filter-information>
```

### Description

## <media-alarm>

### Usage

```
<interface-filter-information>
<physical-interface>
  <otn-errors>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
```

```

<media-alarm-state>
  media-alarm-state
</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</otn-errors>
</physical-interface>
</interface-filter-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-filter-information>
<physical-interface>
<otn-fec-alarms>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</otn-fec-alarms>

```

```
</physical-interface>
</interface-filter-information>
```

#### Description

### <media-alarm>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <media-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </media-information>
</physical-interface>
</interface-filter-information>
```

#### Description

### <media-alarm>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <atm-information>
    <plcp-defects>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
```

```

<media-alarm-seconds>
  media-alarm-seconds
</media-alarm-seconds>
<media-alarm-count>
  media-alarm-count
</media-alarm-count>
<media-alarm-state>
  media-alarm-state
</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</plcp-defects>
</atm-information>
</physical-interface>
</interface-filter-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <atm-information>
      <atm-defects>
        <media-alarm>
          <media-alarm-name>
            media-alarm-name
          </media-alarm-name>
          <media-alarm-seconds>
            media-alarm-seconds
          </media-alarm-seconds>
          <media-alarm-count>
            media-alarm-count
          </media-alarm-count>
          <media-alarm-state>
            media-alarm-state
          </media-alarm-state>
          <ce-counter-name>
            ce-counter-name
          </ce-counter-name>
          <ce-counter-packets>
            ce-counter-packets
          </ce-counter-packets>

```

```
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</atm-defects>
</atm-information>
</physical-interface>
</interface-filter-information>
```

## Description

### <media-alarm>

#### Usage

```
<interface-filter-information>
<physical-interface>
<logical-interface>
  <media-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </media-information>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

## Description

**<media-alarm>****Usage**

```

<interface-filter-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-errors>
          <media-alarm>
            <media-alarm-name>
              media-alarm-name
            </media-alarm-name>
            <media-alarm-seconds>
              media-alarm-seconds
            </media-alarm-seconds>
            <media-alarm-count>
              media-alarm-count
            </media-alarm-count>
            <media-alarm-state>
              media-alarm-state
            </media-alarm-state>
            <ce-counter-name>
              ce-counter-name
            </ce-counter-name>
            <ce-counter-packets>
              ce-counter-packets
            </ce-counter-packets>
            <ce-counter-bytes>
              ce-counter-bytes
            </ce-counter-bytes>
            <ce-counter-count>
              ce-counter-count
            </ce-counter-count>
          </media-alarm>
        </sonet-errors>
      </link-entry>
    </links>
  </physical-interface>
</interface-filter-information>

```

**Description****<media-alarm>****Usage**

```

<interface-filter-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-physical-information>
          <media-alarm>
            <media-alarm-name>
              media-alarm-name
            </media-alarm-name>
          </media-alarm>
        </sonet-physical-information>
      </link-entry>
    </links>
  </physical-interface>
</interface-filter-information>

```

```
<media-alarm-seconds>
  media-alarm-seconds
</media-alarm-seconds>
<media-alarm-count>
  media-alarm-count
</media-alarm-count>
<media-alarm-state>
  media-alarm-state
</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</sonet-physical-information>
</link-entry>
</links>
</physical-interface>
</interface-filter-information>
```

## Description

### <media-alarm>

#### Usage

```
<interface-filter-information>
<physical-interface>
<links>
<link-entry>
<sonet-section-information>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
```



```

        ce-counter-packets
      </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</sonet-section-information>
</link-entry>
</links>
</physical-interface>
</interface-filter-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-line-information>
          <media-alarm>
            <media-alarm-name>
              media-alarm-name
            </media-alarm-name>
            <media-alarm-seconds>
              media-alarm-seconds
            </media-alarm-seconds>
            <media-alarm-count>
              media-alarm-count
            </media-alarm-count>
            <media-alarm-state>
              media-alarm-state
            </media-alarm-state>
            <ce-counter-name>
              ce-counter-name
            </ce-counter-name>
            <ce-counter-packets>
              ce-counter-packets
            </ce-counter-packets>
            <ce-counter-bytes>
              ce-counter-bytes
            </ce-counter-bytes>
            <ce-counter-count>
              ce-counter-count
            </ce-counter-count>
          </media-alarm>
        </sonet-line-information>
      </link-entry>
    </links>
  </physical-interface>

```

```
</interface-filter-information>
```

#### Description

### <media-alarm>

#### Usage

```
<interface-filter-information>
<physical-interface>
<links>
  <link-entry>
    <sonet-path-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
        </ce-counter-name>
        <ce-counter-packets>
          ce-counter-packets
        </ce-counter-packets>
        <ce-counter-bytes>
          ce-counter-bytes
        </ce-counter-bytes>
        <ce-counter-count>
          ce-counter-count
        </ce-counter-count>
      </media-alarm>
    </sonet-path-information>
  </link-entry>
</links>
</physical-interface>
</interface-filter-information>
```

#### Description

### <media-alarm>

#### Usage

```
<interface-filter-information>
<physical-interface>
<links>
  <link-entry>
    <sonet-vt-information>
```

```

<media-alarm>
  <media-alarm-name>
    media-alarm-name
  </media-alarm-name>
  <media-alarm-seconds>
    media-alarm-seconds
  </media-alarm-seconds>
  <media-alarm-count>
    media-alarm-count
  </media-alarm-count>
  <media-alarm-state>
    media-alarm-state
  </media-alarm-state>
  <ce-counter-name>
    ce-counter-name
  </ce-counter-name>
  <ce-counter-packets>
    ce-counter-packets
  </ce-counter-packets>
  <ce-counter-bytes>
    ce-counter-bytes
  </ce-counter-bytes>
  <ce-counter-count>
    ce-counter-count
  </ce-counter-count>
</media-alarm>
</sonet-vt-information>
</link-entry>
</links>
</physical-interface>
</interface-filter-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <otn-oc-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name

```

```
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</otn-oc-information>
</physical-interface>
</interface-filter-information>
```

### Description

#### <media-alarm>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <otn-otu-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </otn-otu-information>
</physical-interface>
</interface-filter-information>
```

### Description

**<media-alarm>****Usage**

```

<interface-filter-information>
  <physical-interface>
    <otn-odu-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
        </ce-counter-name>
        <ce-counter-packets>
          ce-counter-packets
        </ce-counter-packets>
        <ce-counter-bytes>
          ce-counter-bytes
        </ce-counter-bytes>
        <ce-counter-count>
          ce-counter-count
        </ce-counter-count>
      </media-alarm>
    </otn-odu-information>
  </physical-interface>
</interface-filter-information>

```

**Description****<media-alarm>****Usage**

```

<interface-filter-information>
  <physical-interface>
    <ima-group-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
      </media-alarm>
    </ima-group-information>
  </physical-interface>
</interface-filter-information>

```

```
<media-alarm-state>
  media-alarm-state
</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</ima-group-information>
</physical-interface>
</interface-filter-information>
```

## Description

### <media-alarm>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <ima-link-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </ima-link-information>
```

```

    </physical-interface>
  </interface-filter-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <interval-information>
      <interval>
        <media-alarm>
          <media-alarm-name>
            media-alarm-name
          </media-alarm-name>
          <media-alarm-seconds>
            media-alarm-seconds
          </media-alarm-seconds>
          <media-alarm-count>
            media-alarm-count
          </media-alarm-count>
          <media-alarm-state>
            media-alarm-state
          </media-alarm-state>
          <ce-counter-name>
            ce-counter-name
          </ce-counter-name>
          <ce-counter-packets>
            ce-counter-packets
          </ce-counter-packets>
          <ce-counter-bytes>
            ce-counter-bytes
          </ce-counter-bytes>
          <ce-counter-count>
            ce-counter-count
          </ce-counter-count>
        </media-alarm>
      </interval>
    </interval-information>
  </physical-interface>
</interface-filter-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <media-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name

```

```
</media-alarm-name>
<media-alarm-seconds>
  media-alarm-seconds
</media-alarm-seconds>
<media-alarm-count>
  media-alarm-count
</media-alarm-count>
<media-alarm-state>
  media-alarm-state
</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</media-information>
</logical-interface>
</interface-filter-information>
```

## Description

### <media-alarm>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <sonet-errors>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
```



```

        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </sonet-errors>
</physical-interface>
</interface-policer-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <sonet-physical-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
        </ce-counter-name>
        <ce-counter-packets>
          ce-counter-packets
        </ce-counter-packets>
        <ce-counter-bytes>
          ce-counter-bytes
        </ce-counter-bytes>
        <ce-counter-count>
          ce-counter-count
        </ce-counter-count>
      </media-alarm>
    </sonet-physical-information>
  </physical-interface>
</interface-policer-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-policer-information>

```

```
<physical-interface>
  <sonet-section-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </sonet-section-information>
</physical-interface>
</interface-policer-information>
```

## Description

### <media-alarm>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <sonet-line-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
```

```

</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</sonet-line-information>
</physical-interface>
</interface-policer-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <sonet-path-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
        </ce-counter-name>
        <ce-counter-packets>
          ce-counter-packets
        </ce-counter-packets>
        <ce-counter-bytes>
          ce-counter-bytes
        </ce-counter-bytes>
        <ce-counter-count>
          ce-counter-count
        </ce-counter-count>
      </media-alarm>
    </sonet-path-information>
  </physical-interface>
</interface-policer-information>

```

## Description

## <media-alarm>

### Usage

```
<interface-policer-information>
<physical-interface>
  <sonet-vt-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </sonet-vt-information>
</physical-interface>
</interface-policer-information>
```

### Description

## <media-alarm>

### Usage

```
<interface-policer-information>
<physical-interface>
  <otn-errors>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
```

```

<media-alarm-state>
  media-alarm-state
</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</otn-errors>
</physical-interface>
</interface-policer-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-policer-information>
<physical-interface>
<otn-fec-alarms>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
      ce-counter-packets
    </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</otn-fec-alarms>

```

```
</physical-interface>
</interface-policer-information>
```

#### Description

### <media-alarm>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <media-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </media-information>
</physical-interface>
</interface-policer-information>
```

#### Description

### <media-alarm>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <atm-information>
    <plcp-defects>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
```

```

<media-alarm-seconds>
  media-alarm-seconds
</media-alarm-seconds>
<media-alarm-count>
  media-alarm-count
</media-alarm-count>
<media-alarm-state>
  media-alarm-state
</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</plcp-defects>
</atm-information>
</physical-interface>
</interface-policer-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <atm-information>
      <atm-defects>
        <media-alarm>
          <media-alarm-name>
            media-alarm-name
          </media-alarm-name>
          <media-alarm-seconds>
            media-alarm-seconds
          </media-alarm-seconds>
          <media-alarm-count>
            media-alarm-count
          </media-alarm-count>
          <media-alarm-state>
            media-alarm-state
          </media-alarm-state>
          <ce-counter-name>
            ce-counter-name
          </ce-counter-name>
          <ce-counter-packets>
            ce-counter-packets
          </ce-counter-packets>

```

```
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</atm-defects>
</atm-information>
</physical-interface>
</interface-policer-information>
```

## Description

### <media-alarm>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
  <media-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </media-information>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

## Description



**<media-alarm>****Usage**

```

<interface-policer-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-errors>
          <media-alarm>
            <media-alarm-name>
              media-alarm-name
            </media-alarm-name>
            <media-alarm-seconds>
              media-alarm-seconds
            </media-alarm-seconds>
            <media-alarm-count>
              media-alarm-count
            </media-alarm-count>
            <media-alarm-state>
              media-alarm-state
            </media-alarm-state>
            <ce-counter-name>
              ce-counter-name
            </ce-counter-name>
            <ce-counter-packets>
              ce-counter-packets
            </ce-counter-packets>
            <ce-counter-bytes>
              ce-counter-bytes
            </ce-counter-bytes>
            <ce-counter-count>
              ce-counter-count
            </ce-counter-count>
          </media-alarm>
        </sonet-errors>
      </link-entry>
    </links>
  </physical-interface>
</interface-policer-information>

```

**Description****<media-alarm>****Usage**

```

<interface-policer-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-physical-information>
          <media-alarm>
            <media-alarm-name>
              media-alarm-name
            </media-alarm-name>
          </media-alarm>
        </sonet-physical-information>
      </link-entry>
    </links>
  </physical-interface>
</interface-policer-information>

```

```
<media-alarm-seconds>
  media-alarm-seconds
</media-alarm-seconds>
<media-alarm-count>
  media-alarm-count
</media-alarm-count>
<media-alarm-state>
  media-alarm-state
</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</sonet-physical-information>
</link-entry>
</links>
</physical-interface>
</interface-policer-information>
```

## Description

### <media-alarm>

#### Usage

```
<interface-policer-information>
<physical-interface>
<links>
<link-entry>
<sonet-section-information>
  <media-alarm>
    <media-alarm-name>
      media-alarm-name
    </media-alarm-name>
    <media-alarm-seconds>
      media-alarm-seconds
    </media-alarm-seconds>
    <media-alarm-count>
      media-alarm-count
    </media-alarm-count>
    <media-alarm-state>
      media-alarm-state
    </media-alarm-state>
    <ce-counter-name>
      ce-counter-name
    </ce-counter-name>
    <ce-counter-packets>
```

```

        ce-counter-packets
      </ce-counter-packets>
    <ce-counter-bytes>
      ce-counter-bytes
    </ce-counter-bytes>
    <ce-counter-count>
      ce-counter-count
    </ce-counter-count>
  </media-alarm>
</sonet-section-information>
</link-entry>
</links>
</physical-interface>
</interface-policer-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-line-information>
          <media-alarm>
            <media-alarm-name>
              media-alarm-name
            </media-alarm-name>
            <media-alarm-seconds>
              media-alarm-seconds
            </media-alarm-seconds>
            <media-alarm-count>
              media-alarm-count
            </media-alarm-count>
            <media-alarm-state>
              media-alarm-state
            </media-alarm-state>
            <ce-counter-name>
              ce-counter-name
            </ce-counter-name>
            <ce-counter-packets>
              ce-counter-packets
            </ce-counter-packets>
            <ce-counter-bytes>
              ce-counter-bytes
            </ce-counter-bytes>
            <ce-counter-count>
              ce-counter-count
            </ce-counter-count>
          </media-alarm>
        </sonet-line-information>
      </link-entry>
    </links>
  </physical-interface>

```

```
</interface-policer-information>
```

#### Description

### <media-alarm>

#### Usage

```
<interface-policer-information>
<physical-interface>
<links>
  <link-entry>
    <sonet-path-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
        </ce-counter-name>
        <ce-counter-packets>
          ce-counter-packets
        </ce-counter-packets>
        <ce-counter-bytes>
          ce-counter-bytes
        </ce-counter-bytes>
        <ce-counter-count>
          ce-counter-count
        </ce-counter-count>
      </media-alarm>
    </sonet-path-information>
  </link-entry>
</links>
</physical-interface>
</interface-policer-information>
```

#### Description

### <media-alarm>

#### Usage

```
<interface-policer-information>
<physical-interface>
<links>
  <link-entry>
    <sonet-vt-information>
```

```

<media-alarm>
  <media-alarm-name>
    media-alarm-name
  </media-alarm-name>
  <media-alarm-seconds>
    media-alarm-seconds
  </media-alarm-seconds>
  <media-alarm-count>
    media-alarm-count
  </media-alarm-count>
  <media-alarm-state>
    media-alarm-state
  </media-alarm-state>
  <ce-counter-name>
    ce-counter-name
  </ce-counter-name>
  <ce-counter-packets>
    ce-counter-packets
  </ce-counter-packets>
  <ce-counter-bytes>
    ce-counter-bytes
  </ce-counter-bytes>
  <ce-counter-count>
    ce-counter-count
  </ce-counter-count>
</media-alarm>
</sonet-vt-information>
</link-entry>
</links>
</physical-interface>
</interface-policer-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <otn-oc-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name

```

```
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</otn-oc-information>
</physical-interface>
</interface-policer-information>
```

### Description

#### <media-alarm>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <otn-otu-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </otn-otu-information>
</physical-interface>
</interface-policer-information>
```

### Description

**<media-alarm>****Usage**

```

<interface-policer-information>
  <physical-interface>
    <otn-odu-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
        <media-alarm-state>
          media-alarm-state
        </media-alarm-state>
        <ce-counter-name>
          ce-counter-name
        </ce-counter-name>
        <ce-counter-packets>
          ce-counter-packets
        </ce-counter-packets>
        <ce-counter-bytes>
          ce-counter-bytes
        </ce-counter-bytes>
        <ce-counter-count>
          ce-counter-count
        </ce-counter-count>
      </media-alarm>
    </otn-odu-information>
  </physical-interface>
</interface-policer-information>

```

**Description****<media-alarm>****Usage**

```

<interface-policer-information>
  <physical-interface>
    <ima-group-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name
        </media-alarm-name>
        <media-alarm-seconds>
          media-alarm-seconds
        </media-alarm-seconds>
        <media-alarm-count>
          media-alarm-count
        </media-alarm-count>
      </media-alarm>
    </ima-group-information>
  </physical-interface>
</interface-policer-information>

```

```
<media-alarm-state>
  media-alarm-state
</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</ima-group-information>
</physical-interface>
</interface-policer-information>
```

## Description

### <media-alarm>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <ima-link-information>
    <media-alarm>
      <media-alarm-name>
        media-alarm-name
      </media-alarm-name>
      <media-alarm-seconds>
        media-alarm-seconds
      </media-alarm-seconds>
      <media-alarm-count>
        media-alarm-count
      </media-alarm-count>
      <media-alarm-state>
        media-alarm-state
      </media-alarm-state>
      <ce-counter-name>
        ce-counter-name
      </ce-counter-name>
      <ce-counter-packets>
        ce-counter-packets
      </ce-counter-packets>
      <ce-counter-bytes>
        ce-counter-bytes
      </ce-counter-bytes>
      <ce-counter-count>
        ce-counter-count
      </ce-counter-count>
    </media-alarm>
  </ima-link-information>
```



```

    </physical-interface>
  </interface-policer-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <interval-information>
      <interval>
        <media-alarm>
          <media-alarm-name>
            media-alarm-name
          </media-alarm-name>
          <media-alarm-seconds>
            media-alarm-seconds
          </media-alarm-seconds>
          <media-alarm-count>
            media-alarm-count
          </media-alarm-count>
          <media-alarm-state>
            media-alarm-state
          </media-alarm-state>
          <ce-counter-name>
            ce-counter-name
          </ce-counter-name>
          <ce-counter-packets>
            ce-counter-packets
          </ce-counter-packets>
          <ce-counter-bytes>
            ce-counter-bytes
          </ce-counter-bytes>
          <ce-counter-count>
            ce-counter-count
          </ce-counter-count>
        </media-alarm>
      </interval>
    </interval-information>
  </physical-interface>
</interface-policer-information>

```

## Description

### <media-alarm>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <media-information>
      <media-alarm>
        <media-alarm-name>
          media-alarm-name

```

```
</media-alarm-name>
<media-alarm-seconds>
  media-alarm-seconds
</media-alarm-seconds>
<media-alarm-count>
  media-alarm-count
</media-alarm-count>
<media-alarm-state>
  media-alarm-state
</media-alarm-state>
<ce-counter-name>
  ce-counter-name
</ce-counter-name>
<ce-counter-packets>
  ce-counter-packets
</ce-counter-packets>
<ce-counter-bytes>
  ce-counter-bytes
</ce-counter-bytes>
<ce-counter-count>
  ce-counter-count
</ce-counter-count>
</media-alarm>
</media-information>
</logical-interface>
</interface-policer-information>
```

## Description

### <media-information>

#### Usage

```
<media-information>
  <media-alarm>....</media-alarm>
  <ds1-timeslots>
    ds1-timeslots
  </ds1-timeslots>
  <ds1-line-encoding>
    ds1-line-encoding
  </ds1-line-encoding>
  <ds1-byte-encoding>
    ds1-byte-encoding
  </ds1-byte-encoding>
  <ds1-data-inversion>
    ds1-data-inversion
  </ds1-data-inversion>
  <ds1-buildout>
    ds1-buildout
  </ds1-buildout>
  <ds0-byte-encoding>
    ds0-byte-encoding
  </ds0-byte-encoding>
  <ds0-data-inversion>
    ds0-data-inversion
  </ds0-data-inversion>
```

```

<idle-cycle-flag>
  idle-cycle-flag
</idle-cycle-flag>
<start-end-flag>
  start-end-flag
</start-end-flag>
<e3-data-inversion>
  e3-data-inversion
</e3-data-inversion>
<media-type>
  media-type
</media-type>
</media-information>

```

**Description** Information about media alarms

## <media-information>

### Usage

```

<logical-interface>
  <media-information>
    <media-alarm>....</media-alarm>
    <ds1-timeslots>
      ds1-timeslots
    </ds1-timeslots>
    <ds1-line-encoding>
      ds1-line-encoding
    </ds1-line-encoding>
    <ds1-byte-encoding>
      ds1-byte-encoding
    </ds1-byte-encoding>
    <ds1-data-inversion>
      ds1-data-inversion
    </ds1-data-inversion>
    <ds1-buildout>
      ds1-buildout
    </ds1-buildout>
    <ds0-byte-encoding>
      ds0-byte-encoding
    </ds0-byte-encoding>
    <ds0-data-inversion>
      ds0-data-inversion
    </ds0-data-inversion>
    <idle-cycle-flag>
      idle-cycle-flag
    </idle-cycle-flag>
    <start-end-flag>
      start-end-flag
    </start-end-flag>
    <e3-data-inversion>
      e3-data-inversion
    </e3-data-inversion>
    <media-type>
      media-type
  </media-information>
</logical-interface>

```

```
</media-type>
</media-information>
</logical-interface>
```

**Description** Information about media alarms

## <media-information>

### Usage

```
<physical-interface>
  <media-information>
    <media-alarm>....</media-alarm>
    <ds1-timeslots>
      ds1-timeslots
    </ds1-timeslots>
    <ds1-line-encoding>
      ds1-line-encoding
    </ds1-line-encoding>
    <ds1-byte-encoding>
      ds1-byte-encoding
    </ds1-byte-encoding>
    <ds1-data-inversion>
      ds1-data-inversion
    </ds1-data-inversion>
    <ds1-buildout>
      ds1-buildout
    </ds1-buildout>
    <ds0-byte-encoding>
      ds0-byte-encoding
    </ds0-byte-encoding>
    <ds0-data-inversion>
      ds0-data-inversion
    </ds0-data-inversion>
    <idle-cycle-flag>
      idle-cycle-flag
    </idle-cycle-flag>
    <start-end-flag>
      start-end-flag
    </start-end-flag>
    <e3-data-inversion>
      e3-data-inversion
    </e3-data-inversion>
    <media-type>
      media-type
    </media-type>
  </media-information>
</physical-interface>
```

**Description** Information about media alarms

**<media-information>****Usage**

```

<physical-interface>
<logical-interface>
  <media-information>
    <media-alarm>....</media-alarm>
    <ds1-timeslots>
      ds1-timeslots
    </ds1-timeslots>
    <ds1-line-encoding>
      ds1-line-encoding
    </ds1-line-encoding>
    <ds1-byte-encoding>
      ds1-byte-encoding
    </ds1-byte-encoding>
    <ds1-data-inversion>
      ds1-data-inversion
    </ds1-data-inversion>
    <ds1-buildout>
      ds1-buildout
    </ds1-buildout>
    <ds0-byte-encoding>
      ds0-byte-encoding
    </ds0-byte-encoding>
    <ds0-data-inversion>
      ds0-data-inversion
    </ds0-data-inversion>
    <idle-cycle-flag>
      idle-cycle-flag
    </idle-cycle-flag>
    <start-end-flag>
      start-end-flag
    </start-end-flag>
    <e3-data-inversion>
      e3-data-inversion
    </e3-data-inversion>
    <media-type>
      media-type
    </media-type>
  </media-information>
</logical-interface>
</physical-interface>

```

**Description** Information about media alarms

**<media-information>****Usage**

```

<interface-information>
<physical-interface>
  <media-information>
    <media-alarm>....</media-alarm>

```

```

<ds1-timeslots>
  ds1-timeslots
</ds1-timeslots>
<ds1-line-encoding>
  ds1-line-encoding
</ds1-line-encoding>
<ds1-byte-encoding>
  ds1-byte-encoding
</ds1-byte-encoding>
<ds1-data-inversion>
  ds1-data-inversion
</ds1-data-inversion>
<ds1-buildout>
  ds1-buildout
</ds1-buildout>
<ds0-byte-encoding>
  ds0-byte-encoding
</ds0-byte-encoding>
<ds0-data-inversion>
  ds0-data-inversion
</ds0-data-inversion>
<idle-cycle-flag>
  idle-cycle-flag
</idle-cycle-flag>
<start-end-flag>
  start-end-flag
</start-end-flag>
<e3-data-inversion>
  e3-data-inversion
</e3-data-inversion>
<media-type>
  media-type
</media-type>
</media-information>
</physical-interface>
</interface-information>

```

**Description** Information about media alarms

## <media-information>

### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <media-information>
        <media-alarm>....</media-alarm>
        <ds1-timeslots>
          ds1-timeslots
        </ds1-timeslots>
        <ds1-line-encoding>
          ds1-line-encoding
        </ds1-line-encoding>
        <ds1-byte-encoding>

```

```

    ds1-byte-encoding
  </ds1-byte-encoding>
  <ds1-data-inversion>
    ds1-data-inversion
  </ds1-data-inversion>
  <ds1-buildout>
    ds1-buildout
  </ds1-buildout>
  <ds0-byte-encoding>
    ds0-byte-encoding
  </ds0-byte-encoding>
  <ds0-data-inversion>
    ds0-data-inversion
  </ds0-data-inversion>
  <idle-cycle-flag>
    idle-cycle-flag
  </idle-cycle-flag>
  <start-end-flag>
    start-end-flag
  </start-end-flag>
  <e3-data-inversion>
    e3-data-inversion
  </e3-data-inversion>
  <media-type>
    media-type
  </media-type>
</media-information>
</logical-interface>
</physical-interface>
</interface-information>

```

**Description** Information about media alarms

## <media-information>

### Usage

```

<interface-information>
  <logical-interface>
    <media-information>
      <media-alarm>....</media-alarm>
      <ds1-timeslots>
        ds1-timeslots
      </ds1-timeslots>
      <ds1-line-encoding>
        ds1-line-encoding
      </ds1-line-encoding>
      <ds1-byte-encoding>
        ds1-byte-encoding
      </ds1-byte-encoding>
      <ds1-data-inversion>
        ds1-data-inversion
      </ds1-data-inversion>
      <ds1-buildout>
        ds1-buildout

```

```
</ds1-buildout>
<ds0-byte-encoding>
  ds0-byte-encoding
</ds0-byte-encoding>
<ds0-data-inversion>
  ds0-data-inversion
</ds0-data-inversion>
<idle-cycle-flag>
  idle-cycle-flag
</idle-cycle-flag>
<start-end-flag>
  start-end-flag
</start-end-flag>
<e3-data-inversion>
  e3-data-inversion
</e3-data-inversion>
<media-type>
  media-type
</media-type>
</media-information>
</logical-interface>
</interface-information>
```

**Description** Information about media alarms

## <media-information>

### Usage

```
<interface-filter-information>
<physical-interface>
  <media-information>
    <media-alarm>....</media-alarm>
    <ds1-timeslots>
      ds1-timeslots
    </ds1-timeslots>
    <ds1-line-encoding>
      ds1-line-encoding
    </ds1-line-encoding>
    <ds1-byte-encoding>
      ds1-byte-encoding
    </ds1-byte-encoding>
    <ds1-data-inversion>
      ds1-data-inversion
    </ds1-data-inversion>
    <ds1-buildout>
      ds1-buildout
    </ds1-buildout>
    <ds0-byte-encoding>
      ds0-byte-encoding
    </ds0-byte-encoding>
    <ds0-data-inversion>
      ds0-data-inversion
    </ds0-data-inversion>
    <idle-cycle-flag>
```



```

        idle-cycle-flag
      </idle-cycle-flag>
    <start-end-flag>
      start-end-flag
    </start-end-flag>
    <e3-data-inversion>
      e3-data-inversion
    </e3-data-inversion>
    <media-type>
      media-type
    </media-type>
  </media-information>
</physical-interface>
</interface-filter-information>

```

**Description** Information about media alarms

### <media-information>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <media-information>
        <media-alarm>....</media-alarm>
        <ds1-timeslots>
          ds1-timeslots
        </ds1-timeslots>
        <ds1-line-encoding>
          ds1-line-encoding
        </ds1-line-encoding>
        <ds1-byte-encoding>
          ds1-byte-encoding
        </ds1-byte-encoding>
        <ds1-data-inversion>
          ds1-data-inversion
        </ds1-data-inversion>
        <ds1-buildout>
          ds1-buildout
        </ds1-buildout>
        <ds0-byte-encoding>
          ds0-byte-encoding
        </ds0-byte-encoding>
        <ds0-data-inversion>
          ds0-data-inversion
        </ds0-data-inversion>
        <idle-cycle-flag>
          idle-cycle-flag
        </idle-cycle-flag>
        <start-end-flag>
          start-end-flag
        </start-end-flag>
        <e3-data-inversion>
          e3-data-inversion
      </media-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

```
</e3-data-inversion>
<media-type>
  media-type
</media-type>
</media-information>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

**Description** Information about media alarms

### <media-information>

#### Usage

```
<interface-filter-information>
<logical-interface>
  <media-information>
    <media-alarm>....</media-alarm>
    <ds1-timeslots>
      ds1-timeslots
    </ds1-timeslots>
    <ds1-line-encoding>
      ds1-line-encoding
    </ds1-line-encoding>
    <ds1-byte-encoding>
      ds1-byte-encoding
    </ds1-byte-encoding>
    <ds1-data-inversion>
      ds1-data-inversion
    </ds1-data-inversion>
    <ds1-buildout>
      ds1-buildout
    </ds1-buildout>
    <ds0-byte-encoding>
      ds0-byte-encoding
    </ds0-byte-encoding>
    <ds0-data-inversion>
      ds0-data-inversion
    </ds0-data-inversion>
    <idle-cycle-flag>
      idle-cycle-flag
    </idle-cycle-flag>
    <start-end-flag>
      start-end-flag
    </start-end-flag>
    <e3-data-inversion>
      e3-data-inversion
    </e3-data-inversion>
    <media-type>
      media-type
    </media-type>
  </media-information>
</logical-interface>
```

</interface-filter-information>

**Description** Information about media alarms

## <media-information>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <media-information>
      <media-alarm>....</media-alarm>
      <ds1-timeslots>
        ds1-timeslots
      </ds1-timeslots>
      <ds1-line-encoding>
        ds1-line-encoding
      </ds1-line-encoding>
      <ds1-byte-encoding>
        ds1-byte-encoding
      </ds1-byte-encoding>
      <ds1-data-inversion>
        ds1-data-inversion
      </ds1-data-inversion>
      <ds1-buildout>
        ds1-buildout
      </ds1-buildout>
      <ds0-byte-encoding>
        ds0-byte-encoding
      </ds0-byte-encoding>
      <ds0-data-inversion>
        ds0-data-inversion
      </ds0-data-inversion>
      <idle-cycle-flag>
        idle-cycle-flag
      </idle-cycle-flag>
      <start-end-flag>
        start-end-flag
      </start-end-flag>
      <e3-data-inversion>
        e3-data-inversion
      </e3-data-inversion>
      <media-type>
        media-type
      </media-type>
    </media-information>
  </physical-interface>
</interface-policer-information>
```

**Description** Information about media alarms

## <media-information>

### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
  <media-information>
    <media-alarm>....</media-alarm>
    <ds1-timeslots>
      ds1-timeslots
    </ds1-timeslots>
    <ds1-line-encoding>
      ds1-line-encoding
    </ds1-line-encoding>
    <ds1-byte-encoding>
      ds1-byte-encoding
    </ds1-byte-encoding>
    <ds1-data-inversion>
      ds1-data-inversion
    </ds1-data-inversion>
    <ds1-buildout>
      ds1-buildout
    </ds1-buildout>
    <ds0-byte-encoding>
      ds0-byte-encoding
    </ds0-byte-encoding>
    <ds0-data-inversion>
      ds0-data-inversion
    </ds0-data-inversion>
    <idle-cycle-flag>
      idle-cycle-flag
    </idle-cycle-flag>
    <start-end-flag>
      start-end-flag
    </start-end-flag>
    <e3-data-inversion>
      e3-data-inversion
    </e3-data-inversion>
    <media-type>
      media-type
    </media-type>
  </media-information>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

**Description** Information about media alarms

## <media-information>

### Usage

```
<interface-policer-information>
<logical-interface>
```

```

<media-information>
  <media-alarm>....</media-alarm>
  <ds1-timeslots>
    ds1-timeslots
  </ds1-timeslots>
  <ds1-line-encoding>
    ds1-line-encoding
  </ds1-line-encoding>
  <ds1-byte-encoding>
    ds1-byte-encoding
  </ds1-byte-encoding>
  <ds1-data-inversion>
    ds1-data-inversion
  </ds1-data-inversion>
  <ds1-buildout>
    ds1-buildout
  </ds1-buildout>
  <ds0-byte-encoding>
    ds0-byte-encoding
  </ds0-byte-encoding>
  <ds0-data-inversion>
    ds0-data-inversion
  </ds0-data-inversion>
  <idle-cycle-flag>
    idle-cycle-flag
  </idle-cycle-flag>
  <start-end-flag>
    start-end-flag
  </start-end-flag>
  <e3-data-inversion>
    e3-data-inversion
  </e3-data-inversion>
  <media-type>
    media-type
  </media-type>
</media-information>
</logical-interface>
</interface-policer-information>

```

**Description** Information about media alarms

## <media-state>

### Usage

```

<physical-interface>
  <media-state-information>
    <media-state>
      <media-state-name>
        media-state-name
      </media-state-name>
      <media-state-state>
        media-state-state
      </media-state-state>
    </media-state>
  </media-state-information>
</physical-interface>

```

```
</media-state-information>
</physical-interface>
```

#### Description

**<media-state>**

#### Usage

```
<interface-information>
  <physical-interface>
    <media-state-information>
      <media-state>
        <media-state-name>
          media-state-name
        </media-state-name>
        <media-state-state>
          media-state-state
        </media-state-state>
      </media-state>
    </media-state-information>
  </physical-interface>
</interface-information>
```

#### Description

**<media-state>**

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <media-state-information>
      <media-state>
        <media-state-name>
          media-state-name
        </media-state-name>
        <media-state-state>
          media-state-state
        </media-state-state>
      </media-state>
    </media-state-information>
  </physical-interface>
</interface-filter-information>
```

#### Description

**<media-state>**

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <media-state-information>
      <media-state>
        <media-state-name>
```

```

        media-state-name
      </media-state-name>
    <media-state-state>
      media-state-state
    </media-state-state>
  </media-state>
</media-state-information>
</physical-interface>
</interface-policer-information>

```

#### Description

### <media-state-information>

#### Usage

```

<physical-interface>
  <media-state-information>
    <media-type>
      media-type
    </media-type>
    <media-state>....</media-state>
  </media-state-information>
</physical-interface>

```

#### Description

### <media-state-information>

#### Usage

```

<interface-information>
  <physical-interface>
    <media-state-information>
      <media-type>
        media-type
      </media-type>
      <media-state>....</media-state>
    </media-state-information>
  </physical-interface>
</interface-information>

```

#### Description

### <media-state-information>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <media-state-information>
      <media-type>
        media-type
      </media-type>
      <media-state>....</media-state>
    </media-state-information>
  </physical-interface>
</interface-filter-information>

```

```
</physical-interface>
</interface-filter-information>
```

#### Description

### <media-state-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <media-state-information>
      <media-type>
        media-type
      </media-type>
      <media-state>....</media-state>
    </media-state-information>
  </physical-interface>
</interface-policer-information>
```

#### Description

### <mlfr-uni-nni-bundle-options>

#### Usage

```
<mlfr-uni-nni-bundle-options>
  <mlfr-uni-nni-device-type>
    mlfr-uni-nni-device-type
  </mlfr-uni-nni-device-type>
  <mlfr-uni-nni-mrru>
    mlfr-uni-nni-mrru
  </mlfr-uni-nni-mrru>
  <mlfr-uni-nni-bandwidth>
    mlfr-uni-nni-bandwidth
  </mlfr-uni-nni-bandwidth>
  <red-differential-delay>
    red-differential-delay
  </red-differential-delay>
  <red-differential-delay-action>
    red-differential-delay-action
  </red-differential-delay-action>
  <yellow-differential-delay>
    yellow-differential-delay
  </yellow-differential-delay>
  <lip-hello-timer>
    lip-hello-timer
  </lip-hello-timer>
  <lip-ack-timer>
    lip-ack-timer
  </lip-ack-timer>
  <lip-ack-retries>
    lip-ack-retries
  </lip-ack-retries>
  <bundle-class>
    bundle-class
```



```

</bundle-class>
<mlfr-uni-nni-drop-timeout>
  mlfr-uni-nni-drop-timeout
</mlfr-uni-nni-drop-timeout>
<mlfr-uni-nni-link-layer-overhead>
  mlfr-uni-nni-link-layer-overhead
</mlfr-uni-nni-link-layer-overhead>
<mlfr-uni-nni-lmi-type>
  mlfr-uni-nni-lmi-type
</mlfr-uni-nni-lmi-type>
<mlfr-uni-nni-fragment-threshold>
  mlfr-uni-nni-fragment-threshold
</mlfr-uni-nni-fragment-threshold>
<mlfr-uni-nni-minimum-links>
  mlfr-uni-nni-minimum-links
</mlfr-uni-nni-minimum-links>
<t391>
  t391
</t391>
<t392>
  t392
</t392>
<n391>
  n391
</n391>
<n392>
  n392
</n392>
<n393>
  n393
</n393>
</mlfr-uni-nni-bundle-options>

```

## Description

### <mlfr-uni-nni-bundle-options>

#### Usage

```

<physical-interface>
  <mlfr-uni-nni-bundle-options>
    <mlfr-uni-nni-device-type>
      mlfr-uni-nni-device-type
    </mlfr-uni-nni-device-type>
    <mlfr-uni-nni-mrru>
      mlfr-uni-nni-mrru
    </mlfr-uni-nni-mrru>
    <mlfr-uni-nni-bandwidth>
      mlfr-uni-nni-bandwidth
    </mlfr-uni-nni-bandwidth>
    <red-differential-delay>
      red-differential-delay
    </red-differential-delay>
    <red-differential-delay-action>
      red-differential-delay-action
    </red-differential-delay-action>
  </mlfr-uni-nni-bundle-options>
</physical-interface>

```

```
<yellow-differential-delay>
  yellow-differential-delay
</yellow-differential-delay>
<lip-hello-timer>
  lip-hello-timer
</lip-hello-timer>
<lip-ack-timer>
  lip-ack-timer
</lip-ack-timer>
<lip-ack-retries>
  lip-ack-retries
</lip-ack-retries>
<bundle-class>
  bundle-class
</bundle-class>
<mlfr-uni-nni-drop-timeout>
  mlfr-uni-nni-drop-timeout
</mlfr-uni-nni-drop-timeout>
<mlfr-uni-nni-link-layer-overhead>
  mlfr-uni-nni-link-layer-overhead
</mlfr-uni-nni-link-layer-overhead>
<mlfr-uni-nni-lmi-type>
  mlfr-uni-nni-lmi-type
</mlfr-uni-nni-lmi-type>
<mlfr-uni-nni-fragment-threshold>
  mlfr-uni-nni-fragment-threshold
</mlfr-uni-nni-fragment-threshold>
<mlfr-uni-nni-minimum-links>
  mlfr-uni-nni-minimum-links
</mlfr-uni-nni-minimum-links>
<t391>
  t391
</t391>
<t392>
  t392
</t392>
<n391>
  n391
</n391>
<n392>
  n392
</n392>
<n393>
  n393
</n393>
</mlfr-uni-nni-bundle-options>
</physical-interface>
```

#### Description

#### <mlfr-uni-nni-bundle-options>

##### Usage

```
<interface-information>
  <physical-interface>
```

```

<mlfr-uni-nni-bundle-options>
  <mlfr-uni-nni-device-type>
    mlfr-uni-nni-device-type
  </mlfr-uni-nni-device-type>
  <mlfr-uni-nni-mrru>
    mlfr-uni-nni-mrru
  </mlfr-uni-nni-mrru>
  <mlfr-uni-nni-bandwidth>
    mlfr-uni-nni-bandwidth
  </mlfr-uni-nni-bandwidth>
  <red-differential-delay>
    red-differential-delay
  </red-differential-delay>
  <red-differential-delay-action>
    red-differential-delay-action
  </red-differential-delay-action>
  <yellow-differential-delay>
    yellow-differential-delay
  </yellow-differential-delay>
  <lip-hello-timer>
    lip-hello-timer
  </lip-hello-timer>
  <lip-ack-timer>
    lip-ack-timer
  </lip-ack-timer>
  <lip-ack-retries>
    lip-ack-retries
  </lip-ack-retries>
  <bundle-class>
    bundle-class
  </bundle-class>
  <mlfr-uni-nni-drop-timeout>
    mlfr-uni-nni-drop-timeout
  </mlfr-uni-nni-drop-timeout>
  <mlfr-uni-nni-link-layer-overhead>
    mlfr-uni-nni-link-layer-overhead
  </mlfr-uni-nni-link-layer-overhead>
  <mlfr-uni-nni-lmi-type>
    mlfr-uni-nni-lmi-type
  </mlfr-uni-nni-lmi-type>
  <mlfr-uni-nni-fragment-threshold>
    mlfr-uni-nni-fragment-threshold
  </mlfr-uni-nni-fragment-threshold>
  <mlfr-uni-nni-minimum-links>
    mlfr-uni-nni-minimum-links
  </mlfr-uni-nni-minimum-links>
  <t391>
    t391
  </t391>
  <t392>
    t392
  </t392>
  <n391>
    n391
  </n391>
  <n392>

```

```
    n392
  </n392>
  <n393>
    n393
  </n393>
</mlfr-uni-nni-bundle-options>
</physical-interface>
</interface-information>
```

## Description

### <mlfr-uni-nni-bundle-options>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <mlfr-uni-nni-bundle-options>
    <mlfr-uni-nni-device-type>
      mlfr-uni-nni-device-type
    </mlfr-uni-nni-device-type>
    <mlfr-uni-nni-mrru>
      mlfr-uni-nni-mrru
    </mlfr-uni-nni-mrru>
    <mlfr-uni-nni-bandwidth>
      mlfr-uni-nni-bandwidth
    </mlfr-uni-nni-bandwidth>
    <red-differential-delay>
      red-differential-delay
    </red-differential-delay>
    <red-differential-delay-action>
      red-differential-delay-action
    </red-differential-delay-action>
    <yellow-differential-delay>
      yellow-differential-delay
    </yellow-differential-delay>
    <lip-hello-timer>
      lip-hello-timer
    </lip-hello-timer>
    <lip-ack-timer>
      lip-ack-timer
    </lip-ack-timer>
    <lip-ack-retries>
      lip-ack-retries
    </lip-ack-retries>
    <bundle-class>
      bundle-class
    </bundle-class>
    <mlfr-uni-nni-drop-timeout>
      mlfr-uni-nni-drop-timeout
    </mlfr-uni-nni-drop-timeout>
    <mlfr-uni-nni-link-layer-overhead>
      mlfr-uni-nni-link-layer-overhead
    </mlfr-uni-nni-link-layer-overhead>
    <mlfr-uni-nni-lmi-type>
      mlfr-uni-nni-lmi-type
```

```

</mlfr-uni-nni-lmi-type>
<mlfr-uni-nni-fragment-threshold>
  mlfr-uni-nni-fragment-threshold
</mlfr-uni-nni-fragment-threshold>
<mlfr-uni-nni-minimum-links>
  mlfr-uni-nni-minimum-links
</mlfr-uni-nni-minimum-links>
<t391>
  t391
</t391>
<t392>
  t392
</t392>
<n391>
  n391
</n391>
<n392>
  n392
</n392>
<n393>
  n393
</n393>
</mlfr-uni-nni-bundle-options>
</physical-interface>
</interface-filter-information>

```

## Description

### <mlfr-uni-nni-bundle-options>

#### Usage

```

<interface-policer-information>
<physical-interface>
  <mlfr-uni-nni-bundle-options>
    <mlfr-uni-nni-device-type>
      mlfr-uni-nni-device-type
    </mlfr-uni-nni-device-type>
    <mlfr-uni-nni-mrru>
      mlfr-uni-nni-mrru
    </mlfr-uni-nni-mrru>
    <mlfr-uni-nni-bandwidth>
      mlfr-uni-nni-bandwidth
    </mlfr-uni-nni-bandwidth>
    <red-differential-delay>
      red-differential-delay
    </red-differential-delay>
    <red-differential-delay-action>
      red-differential-delay-action
    </red-differential-delay-action>
    <yellow-differential-delay>
      yellow-differential-delay
    </yellow-differential-delay>
    <lip-hello-timer>
      lip-hello-timer
    </lip-hello-timer>
  </mlfr-uni-nni-bundle-options>
</physical-interface>
</interface-policer-information>

```

```
<lip-ack-timer>
  lip-ack-timer
</lip-ack-timer>
<lip-ack-retries>
  lip-ack-retries
</lip-ack-retries>
<bundle-class>
  bundle-class
</bundle-class>
<mlfr-uni-nni-drop-timeout>
  mlfr-uni-nni-drop-timeout
</mlfr-uni-nni-drop-timeout>
<mlfr-uni-nni-link-layer-overhead>
  mlfr-uni-nni-link-layer-overhead
</mlfr-uni-nni-link-layer-overhead>
<mlfr-uni-nni-lmi-type>
  mlfr-uni-nni-lmi-type
</mlfr-uni-nni-lmi-type>
<mlfr-uni-nni-fragment-threshold>
  mlfr-uni-nni-fragment-threshold
</mlfr-uni-nni-fragment-threshold>
<mlfr-uni-nni-minimum-links>
  mlfr-uni-nni-minimum-links
</mlfr-uni-nni-minimum-links>
<t391>
  t391
</t391>
<t392>
  t392
</t392>
<n391>
  n391
</n391>
<n392>
  n392
</n392>
<n393>
  n393
</n393>
</mlfr-uni-nni-bundle-options>
</physical-interface>
</interface-policer-information>
```

#### Description

<mlfr-uni-nni-link>

#### Usage

```
<mlfr-uni-nni-traffic-statistics>
<mlfr-uni-nni-link>
  <name>
    name
  </name>
  <down>
    down
```

```
</down>
<link-uptime>
  link-uptime
</link-uptime>
<input-frames>
  input-frames
</input-frames>
<input-fps>
  input-fps
</input-fps>
<input-bytes>
  input-bytes
</input-bytes>
<input-bps>
  input-bps
</input-bps>
<output-frames>
  output-frames
</output-frames>
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
<lip-header-string>
  lip-header-string
</lip-header-string>
<current-differential-delay>
  current-differential-delay
</current-differential-delay>
<recent-high-differential-delay>
  recent-high-differential-delay
</recent-high-differential-delay>
<over-red-differential>
  over-red-differential
</over-red-differential>
<over-yellow-differential>
  over-yellow-differential
</over-yellow-differential>
<rcv-lip-addlink>
  rcv-lip-addlink
</rcv-lip-addlink>
<rcv-lip-link-ack>
  rcv-lip-link-ack
</rcv-lip-link-ack>
<rcv-lip-link-rej>
  rcv-lip-link-rej
</rcv-lip-link-rej>
<rcv-lip-hello>
  rcv-lip-hello
</rcv-lip-hello>
<rcv-lip-hello-ack>
```

```
    rcv-lip-hello-ack
  </rcv-lip-hello-ack>
  <rcv-lip-link-rem>
    rcv-lip-link-rem
  </rcv-lip-link-rem>
  <rcv-lip-rem-ack>
    rcv-lip-rem-ack
  </rcv-lip-rem-ack>
  <xmt-lip-addlink>
    xmt-lip-addlink
  </xmt-lip-addlink>
  <xmt-lip-link-ack>
    xmt-lip-link-ack
  </xmt-lip-link-ack>
  <xmt-lip-link-rej>
    xmt-lip-link-rej
  </xmt-lip-link-rej>
  <xmt-lip-hello>
    xmt-lip-hello
  </xmt-lip-hello>
  <xmt-lip-hello-ack>
    xmt-lip-hello-ack
  </xmt-lip-hello-ack>
  <xmt-lip-link-rem>
    xmt-lip-link-rem
  </xmt-lip-link-rem>
  <xmt-lip-rem-ack>
    xmt-lip-rem-ack
  </xmt-lip-rem-ack>
</mlfr-uni-nni-link>
</mlfr-uni-nni-traffic-statistics>
```

#### Description

<mlfr-uni-nni-link>

#### Usage

```
<physical-interface>
  <mlfr-uni-nni-traffic-statistics>
    <mlfr-uni-nni-link>
      <name>
        name
      </name>
      <down>
        down
      </down>
      <link-uptime>
        link-uptime
      </link-uptime>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
```



```
<input-bytes>
  input-bytes
</input-bytes>
<input-bps>
  input-bps
</input-bps>
<output-frames>
  output-frames
</output-frames>
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
<lip-header-string>
  lip-header-string
</lip-header-string>
<current-differential-delay>
  current-differential-delay
</current-differential-delay>
<recent-high-differential-delay>
  recent-high-differential-delay
</recent-high-differential-delay>
<over-red-differential>
  over-red-differential
</over-red-differential>
<over-yellow-differential>
  over-yellow-differential
</over-yellow-differential>
<rcv-lip-addlink>
  rcv-lip-addlink
</rcv-lip-addlink>
<rcv-lip-link-ack>
  rcv-lip-link-ack
</rcv-lip-link-ack>
<rcv-lip-link-rej>
  rcv-lip-link-rej
</rcv-lip-link-rej>
<rcv-lip-hello>
  rcv-lip-hello
</rcv-lip-hello>
<rcv-lip-hello-ack>
  rcv-lip-hello-ack
</rcv-lip-hello-ack>
<rcv-lip-link-rem>
  rcv-lip-link-rem
</rcv-lip-link-rem>
<rcv-lip-rem-ack>
  rcv-lip-rem-ack
</rcv-lip-rem-ack>
<xmt-lip-addlink>
  xmt-lip-addlink
```

```
</xmt-lip-addlink>
<xmt-lip-link-ack>
  xmt-lip-link-ack
</xmt-lip-link-ack>
<xmt-lip-link-rej>
  xmt-lip-link-rej
</xmt-lip-link-rej>
<xmt-lip-hello>
  xmt-lip-hello
</xmt-lip-hello>
<xmt-lip-hello-ack>
  xmt-lip-hello-ack
</xmt-lip-hello-ack>
<xmt-lip-link-rem>
  xmt-lip-link-rem
</xmt-lip-link-rem>
<xmt-lip-rem-ack>
  xmt-lip-rem-ack
</xmt-lip-rem-ack>
</mlfr-uni-nni-link>
</mlfr-uni-nni-traffic-statistics>
</physical-interface>
```

## Description

### <mlfr-uni-nni-link>

#### Usage

```
<interface-information>
  <physical-interface>
    <mlfr-uni-nni-traffic-statistics>
      <mlfr-uni-nni-link>
        <name>
          name
        </name>
        <down>
          down
        </down>
        <link-uptime>
          link-uptime
        </link-uptime>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
```

```
</output-frames>
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
<lip-header-string>
  lip-header-string
</lip-header-string>
<current-differential-delay>
  current-differential-delay
</current-differential-delay>
<recent-high-differential-delay>
  recent-high-differential-delay
</recent-high-differential-delay>
<over-red-differential>
  over-red-differential
</over-red-differential>
<over-yellow-differential>
  over-yellow-differential
</over-yellow-differential>
<rcv-lip-addlink>
  rcv-lip-addlink
</rcv-lip-addlink>
<rcv-lip-link-ack>
  rcv-lip-link-ack
</rcv-lip-link-ack>
<rcv-lip-link-rej>
  rcv-lip-link-rej
</rcv-lip-link-rej>
<rcv-lip-hello>
  rcv-lip-hello
</rcv-lip-hello>
<rcv-lip-hello-ack>
  rcv-lip-hello-ack
</rcv-lip-hello-ack>
<rcv-lip-link-rem>
  rcv-lip-link-rem
</rcv-lip-link-rem>
<rcv-lip-rem-ack>
  rcv-lip-rem-ack
</rcv-lip-rem-ack>
<xmt-lip-addlink>
  xmt-lip-addlink
</xmt-lip-addlink>
<xmt-lip-link-ack>
  xmt-lip-link-ack
</xmt-lip-link-ack>
<xmt-lip-link-rej>
  xmt-lip-link-rej
</xmt-lip-link-rej>
<xmt-lip-hello>
```

```
    xmt-lip-hello
  </xmt-lip-hello>
  <xmt-lip-hello-ack>
    xmt-lip-hello-ack
  </xmt-lip-hello-ack>
  <xmt-lip-link-rem>
    xmt-lip-link-rem
  </xmt-lip-link-rem>
  <xmt-lip-rem-ack>
    xmt-lip-rem-ack
  </xmt-lip-rem-ack>
</mlfr-uni-nni-link>
</mlfr-uni-nni-traffic-statistics>
</physical-interface>
</interface-information>
```

## Description

**<mlfr-uni-nni-link>**

## Usage

```
<interface-filter-information>
  <physical-interface>
    <mlfr-uni-nni-traffic-statistics>
      <mlfr-uni-nni-link>
        <name>
          name
        </name>
        <down>
          down
        </down>
        <link-uptime>
          link-uptime
        </link-uptime>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
        </output-frames>
        <output-fps>
          output-fps
        </output-fps>
        <output-bytes>
          output-bytes
        </output-bytes>
```

```
<output-bps>
  output-bps
</output-bps>
<lip-header-string>
  lip-header-string
</lip-header-string>
<current-differential-delay>
  current-differential-delay
</current-differential-delay>
<recent-high-differential-delay>
  recent-high-differential-delay
</recent-high-differential-delay>
<over-red-differential>
  over-red-differential
</over-red-differential>
<over-yellow-differential>
  over-yellow-differential
</over-yellow-differential>
<rcv-lip-addlink>
  rcv-lip-addlink
</rcv-lip-addlink>
<rcv-lip-link-ack>
  rcv-lip-link-ack
</rcv-lip-link-ack>
<rcv-lip-link-rej>
  rcv-lip-link-rej
</rcv-lip-link-rej>
<rcv-lip-hello>
  rcv-lip-hello
</rcv-lip-hello>
<rcv-lip-hello-ack>
  rcv-lip-hello-ack
</rcv-lip-hello-ack>
<rcv-lip-link-rem>
  rcv-lip-link-rem
</rcv-lip-link-rem>
<rcv-lip-rem-ack>
  rcv-lip-rem-ack
</rcv-lip-rem-ack>
<xmt-lip-addlink>
  xmt-lip-addlink
</xmt-lip-addlink>
<xmt-lip-link-ack>
  xmt-lip-link-ack
</xmt-lip-link-ack>
<xmt-lip-link-rej>
  xmt-lip-link-rej
</xmt-lip-link-rej>
<xmt-lip-hello>
  xmt-lip-hello
</xmt-lip-hello>
<xmt-lip-hello-ack>
  xmt-lip-hello-ack
</xmt-lip-hello-ack>
<xmt-lip-link-rem>
  xmt-lip-link-rem
```

```
</xmt-lip-link-rem>
<xmt-lip-rem-ack>
  xmt-lip-rem-ack
</xmt-lip-rem-ack>
</mlfr-uni-nni-link>
</mlfr-uni-nni-traffic-statistics>
</physical-interface>
</interface-filter-information>
```

## Description

### <mlfr-uni-nni-link>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <mlfr-uni-nni-traffic-statistics>
    <mlfr-uni-nni-link>
      <name>
        name
      </name>
      <down>
        down
      </down>
      <link-uptime>
        link-uptime
      </link-uptime>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-frames>
        output-frames
      </output-frames>
      <output-fps>
        output-fps
      </output-fps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
      <lip-header-string>
        lip-header-string
      </lip-header-string>
      <current-differential-delay>
```

```
    current-differential-delay
  </current-differential-delay>
  <recent-high-differential-delay>
    recent-high-differential-delay
  </recent-high-differential-delay>
  <over-red-differential>
    over-red-differential
  </over-red-differential>
  <over-yellow-differential>
    over-yellow-differential
  </over-yellow-differential>
  <rcv-lip-addlink>
    rcv-lip-addlink
  </rcv-lip-addlink>
  <rcv-lip-link-ack>
    rcv-lip-link-ack
  </rcv-lip-link-ack>
  <rcv-lip-link-rej>
    rcv-lip-link-rej
  </rcv-lip-link-rej>
  <rcv-lip-hello>
    rcv-lip-hello
  </rcv-lip-hello>
  <rcv-lip-hello-ack>
    rcv-lip-hello-ack
  </rcv-lip-hello-ack>
  <rcv-lip-link-rem>
    rcv-lip-link-rem
  </rcv-lip-link-rem>
  <rcv-lip-rem-ack>
    rcv-lip-rem-ack
  </rcv-lip-rem-ack>
  <xmt-lip-addlink>
    xmt-lip-addlink
  </xmt-lip-addlink>
  <xmt-lip-link-ack>
    xmt-lip-link-ack
  </xmt-lip-link-ack>
  <xmt-lip-link-rej>
    xmt-lip-link-rej
  </xmt-lip-link-rej>
  <xmt-lip-hello>
    xmt-lip-hello
  </xmt-lip-hello>
  <xmt-lip-hello-ack>
    xmt-lip-hello-ack
  </xmt-lip-hello-ack>
  <xmt-lip-link-rem>
    xmt-lip-link-rem
  </xmt-lip-link-rem>
  <xmt-lip-rem-ack>
    xmt-lip-rem-ack
  </xmt-lip-rem-ack>
  </mlfr-uni-nni-link>
</mlfr-uni-nni-traffic-statistics>
</physical-interface>
```

</interface-policer-information>

#### Description

<mlfr-uni-nni-link-information>

#### Usage

```
<mlfr-uni-nni-traffic-statistics>
  <mlfr-uni-nni-link-information>
    <active-bundle-links>
      active-bundle-links
    </active-bundle-links>
    <removed-bundle-links>
      removed-bundle-links
    </removed-bundle-links>
    <disabled-bundle-links>
      disabled-bundle-links
    </disabled-bundle-links>
  </mlfr-uni-nni-link-information>
</mlfr-uni-nni-traffic-statistics>
```

#### Description

<mlfr-uni-nni-link-information>

#### Usage

```
<physical-interface>
  <mlfr-uni-nni-traffic-statistics>
    <mlfr-uni-nni-link-information>
      <active-bundle-links>
        active-bundle-links
      </active-bundle-links>
      <removed-bundle-links>
        removed-bundle-links
      </removed-bundle-links>
      <disabled-bundle-links>
        disabled-bundle-links
      </disabled-bundle-links>
    </mlfr-uni-nni-link-information>
  </mlfr-uni-nni-traffic-statistics>
</physical-interface>
```

#### Description

<mlfr-uni-nni-link-information>

#### Usage

```
<interface-information>
  <physical-interface>
    <mlfr-uni-nni-traffic-statistics>
      <mlfr-uni-nni-link-information>
        <active-bundle-links>
          active-bundle-links
        </active-bundle-links>
      </mlfr-uni-nni-link-information>
    </mlfr-uni-nni-traffic-statistics>
  </physical-interface>
</interface-information>
```



```

</active-bundle-links>
<removed-bundle-links>
  removed-bundle-links
</removed-bundle-links>
<disabled-bundle-links>
  disabled-bundle-links
</disabled-bundle-links>
</mlfr-uni-nni-link-information>
</mlfr-uni-nni-traffic-statistics>
</physical-interface>
</interface-information>

```

### Description

#### <mlfr-uni-nni-link-information>

##### Usage

```

<interface-filter-information>
<physical-interface>
  <mlfr-uni-nni-traffic-statistics>
    <mlfr-uni-nni-link-information>
      <active-bundle-links>
        active-bundle-links
      </active-bundle-links>
      <removed-bundle-links>
        removed-bundle-links
      </removed-bundle-links>
      <disabled-bundle-links>
        disabled-bundle-links
      </disabled-bundle-links>
    </mlfr-uni-nni-link-information>
  </mlfr-uni-nni-traffic-statistics>
</physical-interface>
</interface-filter-information>

```

### Description

#### <mlfr-uni-nni-link-information>

##### Usage

```

<interface-policer-information>
<physical-interface>
  <mlfr-uni-nni-traffic-statistics>
    <mlfr-uni-nni-link-information>
      <active-bundle-links>
        active-bundle-links
      </active-bundle-links>
      <removed-bundle-links>
        removed-bundle-links
      </removed-bundle-links>
      <disabled-bundle-links>
        disabled-bundle-links
      </disabled-bundle-links>
    </mlfr-uni-nni-link-information>

```

```
    </mlfr-uni-nni-traffic-statistics>
  </physical-interface>
</interface-policer-information>
```

#### Description

### <mlfr-uni-nni-traffic-statistics>

#### Usage

```
<mlfr-uni-nni-traffic-statistics>
  <bundle>....</bundle>
  <mlfr-uni-nni-link-information>....</mlfr-uni-nni-link-information>
  <mlfr-uni-nni-link>....</mlfr-uni-nni-link>
</mlfr-uni-nni-traffic-statistics>
```

#### Description

### <mlfr-uni-nni-traffic-statistics>

#### Usage

```
<physical-interface>
  <mlfr-uni-nni-traffic-statistics>
    <bundle>....</bundle>
    <mlfr-uni-nni-link-information>....</mlfr-uni-nni-link-information>
    <mlfr-uni-nni-link>....</mlfr-uni-nni-link>
  </mlfr-uni-nni-traffic-statistics>
</physical-interface>
```

#### Description

### <mlfr-uni-nni-traffic-statistics>

#### Usage

```
<interface-information>
  <physical-interface>
    <mlfr-uni-nni-traffic-statistics>
      <bundle>....</bundle>
      <mlfr-uni-nni-link-information>....</mlfr-uni-nni-link-information>
      <mlfr-uni-nni-link>....</mlfr-uni-nni-link>
    </mlfr-uni-nni-traffic-statistics>
  </physical-interface>
</interface-information>
```

#### Description

### <mlfr-uni-nni-traffic-statistics>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <mlfr-uni-nni-traffic-statistics>
      <bundle>....</bundle>
```

```

    <mlfr-uni-nni-link-information>....</mlfr-uni-nni-link-information>
    <mlfr-uni-nni-link>....</mlfr-uni-nni-link>
  </mlfr-uni-nni-traffic-statistics>
</physical-interface>
</interface-filter-information>

```

#### Description

### <mlfr-uni-nni-traffic-statistics>

#### Usage

```

<interface-policer-information>
<physical-interface>
  <mlfr-uni-nni-traffic-statistics>
    <bundle>....</bundle>
    <mlfr-uni-nni-link-information>....</mlfr-uni-nni-link-information>
    <mlfr-uni-nni-link>....</mlfr-uni-nni-link>
  </mlfr-uni-nni-traffic-statistics>
</physical-interface>
</interface-policer-information>

```

#### Description

### <modem-information>

#### Usage

```

<modem-information>
  <modem-type>
    modem-type
  </modem-type>
  <init-command-str>
    init-command-str
  </init-command-str>
  <init-status>
    init-status
  </init-status>
  <baud-rate>
    baud-rate
  </baud-rate>
  <call-status>
    call-status
  </call-status>
  <error-code>
    error-code
  </error-code>
  <call-duration>
    call-duration
  </call-duration>
  <call-direction>
    call-direction
  </call-direction>
</modem-information>

```

**Description** Operational information for MODEM interfaces

### <modem-information>

#### Usage

```
<physical-interface>
  <modem-information>
    <modem-type>
      modem-type
    </modem-type>
    <init-command-str>
      init-command-str
    </init-command-str>
    <init-status>
      init-status
    </init-status>
    <baud-rate>
      baud-rate
    </baud-rate>
    <call-status>
      call-status
    </call-status>
    <error-code>
      error-code
    </error-code>
    <call-duration>
      call-duration
    </call-duration>
    <call-direction>
      call-direction
    </call-direction>
  </modem-information>
</physical-interface>
```

**Description** Operational information for MODEM interfaces

### <modem-information>

#### Usage

```
<interface-information>
  <physical-interface>
    <modem-information>
      <modem-type>
        modem-type
      </modem-type>
      <init-command-str>
        init-command-str
      </init-command-str>
      <init-status>
        init-status
      </init-status>
      <baud-rate>
        baud-rate
      </baud-rate>
    </modem-information>
  </physical-interface>
</interface-information>
```

```

    </baud-rate>
    <call-status>
      call-status
    </call-status>
    <error-code>
      error-code
    </error-code>
    <call-duration>
      call-duration
    </call-duration>
    <call-direction>
      call-direction
    </call-direction>
  </modem-information>
</physical-interface>
</interface-information>

```

**Description** Operational information for MODEM interfaces

### <modem-information>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <modem-information>
      <modem-type>
        modem-type
      </modem-type>
      <init-command-str>
        init-command-str
      </init-command-str>
      <init-status>
        init-status
      </init-status>
      <baud-rate>
        baud-rate
      </baud-rate>
      <call-status>
        call-status
      </call-status>
      <error-code>
        error-code
      </error-code>
      <call-duration>
        call-duration
      </call-duration>
      <call-direction>
        call-direction
      </call-direction>
    </modem-information>
  </physical-interface>
</interface-filter-information>

```

**Description** Operational information for MODEM interfaces

### <modem-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <modem-information>
      <modem-type>
        modem-type
      </modem-type>
      <init-command-str>
        init-command-str
      </init-command-str>
      <init-status>
        init-status
      </init-status>
      <baud-rate>
        baud-rate
      </baud-rate>
      <call-status>
        call-status
      </call-status>
      <error-code>
        error-code
      </error-code>
      <call-duration>
        call-duration
      </call-duration>
      <call-direction>
        call-direction
      </call-direction>
    </modem-information>
  </physical-interface>
</interface-policer-information>
```

**Description** Operational information for MODEM interfaces

### <mcast-statistics>

#### Usage

```
<mcast-statistics>
  <mcast-statistics-header>
    mcast-statistics-header
  </mcast-statistics-header>
  <ipv4-mcast-statistics>....</ipv4-mcast-statistics>
  <ipv6-mcast-statistics>....</ipv6-mcast-statistics>
</mcast-statistics>
```

**Description** Multicast statistics for interface

### <multicast-statistics>

#### Usage

```
<logical-interface>
  <multicast-statistics>
    <multicast-statistics-header>
      multicast-statistics-header
    </multicast-statistics-header>
    <ipv4-multicast-statistics>....</ipv4-multicast-statistics>
    <ipv6-multicast-statistics>....</ipv6-multicast-statistics>
  </multicast-statistics>
</logical-interface>
```

**Description** Multicast statistics for interface

### <multicast-statistics>

#### Usage

```
<physical-interface>
  <multicast-statistics>
    <multicast-statistics-header>
      multicast-statistics-header
    </multicast-statistics-header>
    <ipv4-multicast-statistics>....</ipv4-multicast-statistics>
    <ipv6-multicast-statistics>....</ipv6-multicast-statistics>
  </multicast-statistics>
</physical-interface>
```

**Description** Multicast statistics for interface

### <multicast-statistics>

#### Usage

```
<physical-interface>
  <logical-interface>
    <multicast-statistics>
      <multicast-statistics-header>
        multicast-statistics-header
      </multicast-statistics-header>
      <ipv4-multicast-statistics>....</ipv4-multicast-statistics>
      <ipv6-multicast-statistics>....</ipv6-multicast-statistics>
    </multicast-statistics>
  </logical-interface>
</physical-interface>
```

**Description** Multicast statistics for interface

## <multicast-statistics>

### Usage

```
<interface-information>
  <physical-interface>
    <multicast-statistics>
      <multicast-statistics-header>
        multicast-statistics-header
      </multicast-statistics-header>
      <ipv4-multicast-statistics>....</ipv4-multicast-statistics>
      <ipv6-multicast-statistics>....</ipv6-multicast-statistics>
    </multicast-statistics>
  </physical-interface>
</interface-information>
```

**Description** Multicast statistics for interface

## <multicast-statistics>

### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <multicast-statistics>
        <multicast-statistics-header>
          multicast-statistics-header
        </multicast-statistics-header>
        <ipv4-multicast-statistics>....</ipv4-multicast-statistics>
        <ipv6-multicast-statistics>....</ipv6-multicast-statistics>
      </multicast-statistics>
    </logical-interface>
  </physical-interface>
</interface-information>
```

**Description** Multicast statistics for interface

## <multicast-statistics>

### Usage

```
<interface-information>
  <logical-interface>
    <multicast-statistics>
      <multicast-statistics-header>
        multicast-statistics-header
      </multicast-statistics-header>
      <ipv4-multicast-statistics>....</ipv4-multicast-statistics>
      <ipv6-multicast-statistics>....</ipv6-multicast-statistics>
    </multicast-statistics>
  </logical-interface>
</interface-information>
```



**Description** Multicast statistics for interface

### <multicast-statistics>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <multicast-statistics>
      <multicast-statistics-header>
        multicast-statistics-header
      </multicast-statistics-header>
      <ipv4-multicast-statistics>....</ipv4-multicast-statistics>
      <ipv6-multicast-statistics>....</ipv6-multicast-statistics>
    </multicast-statistics>
  </physical-interface>
</interface-filter-information>
```

**Description** Multicast statistics for interface

### <multicast-statistics>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <multicast-statistics>
        <multicast-statistics-header>
          multicast-statistics-header
        </multicast-statistics-header>
        <ipv4-multicast-statistics>....</ipv4-multicast-statistics>
        <ipv6-multicast-statistics>....</ipv6-multicast-statistics>
      </multicast-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description** Multicast statistics for interface

### <multicast-statistics>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <multicast-statistics>
      <multicast-statistics-header>
        multicast-statistics-header
      </multicast-statistics-header>
      <ipv4-multicast-statistics>....</ipv4-multicast-statistics>
      <ipv6-multicast-statistics>....</ipv6-multicast-statistics>
    </multicast-statistics>
  </logical-interface>
```

</interface-filter-information>

**Description** Multicast statistics for interface

### <multicast-statistics>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <multicast-statistics>
      <multicast-statistics-header>
        multicast-statistics-header
      </multicast-statistics-header>
      <ipv4-multicast-statistics>....</ipv4-multicast-statistics>
      <ipv6-multicast-statistics>....</ipv6-multicast-statistics>
    </multicast-statistics>
  </physical-interface>
</interface-policer-information>
```

**Description** Multicast statistics for interface

### <multicast-statistics>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <multicast-statistics>
        <multicast-statistics-header>
          multicast-statistics-header
        </multicast-statistics-header>
        <ipv4-multicast-statistics>....</ipv4-multicast-statistics>
        <ipv6-multicast-statistics>....</ipv6-multicast-statistics>
      </multicast-statistics>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```

**Description** Multicast statistics for interface

### <multicast-statistics>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <multicast-statistics>
      <multicast-statistics-header>
        multicast-statistics-header
      </multicast-statistics-header>
      <ipv4-multicast-statistics>....</ipv4-multicast-statistics>
      <ipv6-multicast-statistics>....</ipv6-multicast-statistics>
    </multicast-statistics>
  </logical-interface>
</interface-policer-information>
```

```

    </multicast-statistics>
  </logical-interface>
</interface-policer-information>

```

**Description** Multicast statistics for interface

## <multilink-bundle-class>

### Usage

```

<multilink-bundle-class>
  <multilink-class-id>
    multilink-class-id
  </multilink-class-id>
  <rx-sequence-number>
    rx-sequence-number
  </rx-sequence-number>
  <tx-sequence-number>
    tx-sequence-number
  </tx-sequence-number>
  <packet-drops>
    packet-drops
  </packet-drops>
  <packet-drop-bytes>
    packet-drop-bytes
  </packet-drop-bytes>
  <fragment-drops>
    fragment-drops
  </fragment-drops>
  <fragment-drop-bytes>
    fragment-drop-bytes
  </fragment-drop-bytes>
  <mrru-exceeded>
    mrru-exceeded
  </mrru-exceeded>
  <processing-errors>
    processing-errors
  </processing-errors>
  <fragment-timeout>
    fragment-timeout
  </fragment-timeout>
  <sequence-number-missing>
    sequence-number-missing
  </sequence-number-missing>
  <out-of-order-sequence-number>
    out-of-order-sequence-number
  </out-of-order-sequence-number>
  <out-of-range-sequence-number>
    out-of-range-sequence-number
  </out-of-range-sequence-number>
  <packet-buffer-overflow>
    packet-buffer-overflow
  </packet-buffer-overflow>
  <fragment-buffer-overflow>
    fragment-buffer-overflow

```

```
</fragment-buffer-overflow>
<multilink-class-drop-timeout>
  multilink-class-drop-timeout
</multilink-class-drop-timeout>
</multilink-bundle-class>
```

**Description** Multilink class status

## <multilink-bundle-class>

### Usage

```
<logical-interface>
  <multilink-bundle-class>
    <multilink-class-id>
      multilink-class-id
    </multilink-class-id>
    <rx-sequence-number>
      rx-sequence-number
    </rx-sequence-number>
    <tx-sequence-number>
      tx-sequence-number
    </tx-sequence-number>
    <packet-drops>
      packet-drops
    </packet-drops>
    <packet-drop-bytes>
      packet-drop-bytes
    </packet-drop-bytes>
    <fragment-drops>
      fragment-drops
    </fragment-drops>
    <fragment-drop-bytes>
      fragment-drop-bytes
    </fragment-drop-bytes>
    <mrru-exceeded>
      mrru-exceeded
    </mrru-exceeded>
    <processing-errors>
      processing-errors
    </processing-errors>
    <fragment-timeout>
      fragment-timeout
    </fragment-timeout>
    <sequence-number-missing>
      sequence-number-missing
    </sequence-number-missing>
    <out-of-order-sequence-number>
      out-of-order-sequence-number
    </out-of-order-sequence-number>
    <out-of-range-sequence-number>
      out-of-range-sequence-number
    </out-of-range-sequence-number>
    <packet-buffer-overflow>
      packet-buffer-overflow
```

```

</packet-buffer-overflow>
<fragment-buffer-overflow>
  fragment-buffer-overflow
</fragment-buffer-overflow>
<multilink-class-drop-timeout>
  multilink-class-drop-timeout
</multilink-class-drop-timeout>
</multilink-bundle-class>
</logical-interface>

```

**Description** Multilink class status

### <multilink-bundle-class>

#### Usage

```

<physical-interface>
<logical-interface>
  <multilink-bundle-class>
    <multilink-class-id>
      multilink-class-id
    </multilink-class-id>
    <rx-sequence-number>
      rx-sequence-number
    </rx-sequence-number>
    <tx-sequence-number>
      tx-sequence-number
    </tx-sequence-number>
    <packet-drops>
      packet-drops
    </packet-drops>
    <packet-drop-bytes>
      packet-drop-bytes
    </packet-drop-bytes>
    <fragment-drops>
      fragment-drops
    </fragment-drops>
    <fragment-drop-bytes>
      fragment-drop-bytes
    </fragment-drop-bytes>
    <mrru-exceeded>
      mrru-exceeded
    </mrru-exceeded>
    <processing-errors>
      processing-errors
    </processing-errors>
    <fragment-timeout>
      fragment-timeout
    </fragment-timeout>
    <sequence-number-missing>
      sequence-number-missing
    </sequence-number-missing>
    <out-of-order-sequence-number>
      out-of-order-sequence-number
    </out-of-order-sequence-number>

```

```
<out-of-range-sequence-number>
  out-of-range-sequence-number
</out-of-range-sequence-number>
<packet-buffer-overflow>
  packet-buffer-overflow
</packet-buffer-overflow>
<fragment-buffer-overflow>
  fragment-buffer-overflow
</fragment-buffer-overflow>
<multilink-class-drop-timeout>
  multilink-class-drop-timeout
</multilink-class-drop-timeout>
</multilink-bundle-class>
</logical-interface>
</physical-interface>
```

**Description** Multilink class status

### <multilink-bundle-class>

#### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
  <multilink-bundle-class>
    <multilink-class-id>
      multilink-class-id
    </multilink-class-id>
    <rx-sequence-number>
      rx-sequence-number
    </rx-sequence-number>
    <tx-sequence-number>
      tx-sequence-number
    </tx-sequence-number>
    <packet-drops>
      packet-drops
    </packet-drops>
    <packet-drop-bytes>
      packet-drop-bytes
    </packet-drop-bytes>
    <fragment-drops>
      fragment-drops
    </fragment-drops>
    <fragment-drop-bytes>
      fragment-drop-bytes
    </fragment-drop-bytes>
    <mrru-exceeded>
      mrru-exceeded
    </mrru-exceeded>
    <processing-errors>
      processing-errors
    </processing-errors>
    <fragment-timeout>
      fragment-timeout
```

```

</fragment-timeout>
<sequence-number-missing>
  sequence-number-missing
</sequence-number-missing>
<out-of-order-sequence-number>
  out-of-order-sequence-number
</out-of-order-sequence-number>
<out-of-range-sequence-number>
  out-of-range-sequence-number
</out-of-range-sequence-number>
<packet-buffer-overflow>
  packet-buffer-overflow
</packet-buffer-overflow>
<fragment-buffer-overflow>
  fragment-buffer-overflow
</fragment-buffer-overflow>
<multilink-class-drop-timeout>
  multilink-class-drop-timeout
</multilink-class-drop-timeout>
</multilink-bundle-class>
</logical-interface>
</physical-interface>
</interface-information>

```

**Description** Multilink class status

### <multilink-bundle-class>

#### Usage

```

<interface-information>
<logical-interface>
  <multilink-bundle-class>
    <multilink-class-id>
      multilink-class-id
    </multilink-class-id>
    <rx-sequence-number>
      rx-sequence-number
    </rx-sequence-number>
    <tx-sequence-number>
      tx-sequence-number
    </tx-sequence-number>
    <packet-drops>
      packet-drops
    </packet-drops>
    <packet-drop-bytes>
      packet-drop-bytes
    </packet-drop-bytes>
    <fragment-drops>
      fragment-drops
    </fragment-drops>
    <fragment-drop-bytes>
      fragment-drop-bytes
    </fragment-drop-bytes>
    <mrru-exceeded>

```

```
      mrru-exceeded
    </mrru-exceeded>
    <processing-errors>
      processing-errors
    </processing-errors>
    <fragment-timeout>
      fragment-timeout
    </fragment-timeout>
    <sequence-number-missing>
      sequence-number-missing
    </sequence-number-missing>
    <out-of-order-sequence-number>
      out-of-order-sequence-number
    </out-of-order-sequence-number>
    <out-of-range-sequence-number>
      out-of-range-sequence-number
    </out-of-range-sequence-number>
    <packet-buffer-overflow>
      packet-buffer-overflow
    </packet-buffer-overflow>
    <fragment-buffer-overflow>
      fragment-buffer-overflow
    </fragment-buffer-overflow>
    <multilink-class-drop-timeout>
      multilink-class-drop-timeout
    </multilink-class-drop-timeout>
  </multilink-bundle-class>
</logical-interface>
</interface-information>
```

**Description** Multilink class status

## <multilink-bundle-class>

### Usage

```
<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <multilink-bundle-class>
      <multilink-class-id>
        multilink-class-id
      </multilink-class-id>
      <rx-sequence-number>
        rx-sequence-number
      </rx-sequence-number>
      <tx-sequence-number>
        tx-sequence-number
      </tx-sequence-number>
      <packet-drops>
        packet-drops
      </packet-drops>
      <packet-drop-bytes>
        packet-drop-bytes
      </packet-drop-bytes>
```



```

<fragment-drops>
  fragment-drops
</fragment-drops>
<fragment-drop-bytes>
  fragment-drop-bytes
</fragment-drop-bytes>
<mrru-exceeded>
  mrru-exceeded
</mrru-exceeded>
<processing-errors>
  processing-errors
</processing-errors>
<fragment-timeout>
  fragment-timeout
</fragment-timeout>
<sequence-number-missing>
  sequence-number-missing
</sequence-number-missing>
<out-of-order-sequence-number>
  out-of-order-sequence-number
</out-of-order-sequence-number>
<out-of-range-sequence-number>
  out-of-range-sequence-number
</out-of-range-sequence-number>
<packet-buffer-overflow>
  packet-buffer-overflow
</packet-buffer-overflow>
<fragment-buffer-overflow>
  fragment-buffer-overflow
</fragment-buffer-overflow>
<multilink-class-drop-timeout>
  multilink-class-drop-timeout
</multilink-class-drop-timeout>
</multilink-bundle-class>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

**Description** Multilink class status

### <multilink-bundle-class>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <multilink-bundle-class>
      <multilink-class-id>
        multilink-class-id
      </multilink-class-id>
      <rx-sequence-number>
        rx-sequence-number
      </rx-sequence-number>
      <tx-sequence-number>
        tx-sequence-number
    </multilink-bundle-class>
  </logical-interface>
</interface-filter-information>

```

```
</tx-sequence-number>
<packet-drops>
  packet-drops
</packet-drops>
<packet-drop-bytes>
  packet-drop-bytes
</packet-drop-bytes>
<fragment-drops>
  fragment-drops
</fragment-drops>
<fragment-drop-bytes>
  fragment-drop-bytes
</fragment-drop-bytes>
<mrru-exceeded>
  mrru-exceeded
</mrru-exceeded>
<processing-errors>
  processing-errors
</processing-errors>
<fragment-timeout>
  fragment-timeout
</fragment-timeout>
<sequence-number-missing>
  sequence-number-missing
</sequence-number-missing>
<out-of-order-sequence-number>
  out-of-order-sequence-number
</out-of-order-sequence-number>
<out-of-range-sequence-number>
  out-of-range-sequence-number
</out-of-range-sequence-number>
<packet-buffer-overflow>
  packet-buffer-overflow
</packet-buffer-overflow>
<fragment-buffer-overflow>
  fragment-buffer-overflow
</fragment-buffer-overflow>
<multilink-class-drop-timeout>
  multilink-class-drop-timeout
</multilink-class-drop-timeout>
</multilink-bundle-class>
</logical-interface>
</interface-filter-information>
```

**Description** Multilink class status

### <multilink-bundle-class>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
  <multilink-bundle-class>
    <multilink-class-id>
```

```

    multilink-class-id
  </multilink-class-id>
  <rx-sequence-number>
    rx-sequence-number
  </rx-sequence-number>
  <tx-sequence-number>
    tx-sequence-number
  </tx-sequence-number>
  <packet-drops>
    packet-drops
  </packet-drops>
  <packet-drop-bytes>
    packet-drop-bytes
  </packet-drop-bytes>
  <fragment-drops>
    fragment-drops
  </fragment-drops>
  <fragment-drop-bytes>
    fragment-drop-bytes
  </fragment-drop-bytes>
  <mrru-exceeded>
    mrru-exceeded
  </mrru-exceeded>
  <processing-errors>
    processing-errors
  </processing-errors>
  <fragment-timeout>
    fragment-timeout
  </fragment-timeout>
  <sequence-number-missing>
    sequence-number-missing
  </sequence-number-missing>
  <out-of-order-sequence-number>
    out-of-order-sequence-number
  </out-of-order-sequence-number>
  <out-of-range-sequence-number>
    out-of-range-sequence-number
  </out-of-range-sequence-number>
  <packet-buffer-overflow>
    packet-buffer-overflow
  </packet-buffer-overflow>
  <fragment-buffer-overflow>
    fragment-buffer-overflow
  </fragment-buffer-overflow>
  <multilink-class-drop-timeout>
    multilink-class-drop-timeout
  </multilink-class-drop-timeout>
</multilink-bundle-class>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** Multilink class status

## &lt;multilink-bundle-class&gt;

## Usage

```
<interface-policer-information>
  <logical-interface>
    <multilink-bundle-class>
      <multilink-class-id>
        multilink-class-id
      </multilink-class-id>
      <rx-sequence-number>
        rx-sequence-number
      </rx-sequence-number>
      <tx-sequence-number>
        tx-sequence-number
      </tx-sequence-number>
      <packet-drops>
        packet-drops
      </packet-drops>
      <packet-drop-bytes>
        packet-drop-bytes
      </packet-drop-bytes>
      <fragment-drops>
        fragment-drops
      </fragment-drops>
      <fragment-drop-bytes>
        fragment-drop-bytes
      </fragment-drop-bytes>
      <mrru-exceeded>
        mrru-exceeded
      </mrru-exceeded>
      <processing-errors>
        processing-errors
      </processing-errors>
      <fragment-timeout>
        fragment-timeout
      </fragment-timeout>
      <sequence-number-missing>
        sequence-number-missing
      </sequence-number-missing>
      <out-of-order-sequence-number>
        out-of-order-sequence-number
      </out-of-order-sequence-number>
      <out-of-range-sequence-number>
        out-of-range-sequence-number
      </out-of-range-sequence-number>
      <packet-buffer-overflow>
        packet-buffer-overflow
      </packet-buffer-overflow>
      <fragment-buffer-overflow>
        fragment-buffer-overflow
      </fragment-buffer-overflow>
      <multilink-class-drop-timeout>
        multilink-class-drop-timeout
      </multilink-class-drop-timeout>
    </multilink-bundle-class>
```

```

    </logical-interface>
  </interface-policer-information>

```

**Description** Multilink class status

### <multilink-bundle-errors>

#### Usage

```

<multilink-bundle-errors>
  <packet-drops>
    packet-drops
  </packet-drops>
  <packet-drop-bytes>
    packet-drop-bytes
  </packet-drop-bytes>
  <fragment-drops>
    fragment-drops
  </fragment-drops>
  <fragment-drop-bytes>
    fragment-drop-bytes
  </fragment-drop-bytes>
  <mrru-exceeded>
    mrru-exceeded
  </mrru-exceeded>
  <processing-errors>
    processing-errors
  </processing-errors>
</multilink-bundle-errors>

```

**Description** Multilink bundle errors

### <multilink-bundle-errors>

#### Usage

```

<logical-interface>
  <multilink-bundle-errors>
    <packet-drops>
      packet-drops
    </packet-drops>
    <packet-drop-bytes>
      packet-drop-bytes
    </packet-drop-bytes>
    <fragment-drops>
      fragment-drops
    </fragment-drops>
    <fragment-drop-bytes>
      fragment-drop-bytes
    </fragment-drop-bytes>
    <mrru-exceeded>
      mrru-exceeded
    </mrru-exceeded>
    <processing-errors>

```

```
        processing-errors
      </processing-errors>
    </multilink-bundle-errors>
  </logical-interface>
```

**Description** Multilink bundle errors

### <multilink-bundle-errors>

#### Usage

```
<physical-interface>
  <multilink-bundle-errors>
    <packet-drops>
      packet-drops
    </packet-drops>
    <packet-drop-bytes>
      packet-drop-bytes
    </packet-drop-bytes>
    <fragment-drops>
      fragment-drops
    </fragment-drops>
    <fragment-drop-bytes>
      fragment-drop-bytes
    </fragment-drop-bytes>
    <mrru-exceeded>
      mrru-exceeded
    </mrru-exceeded>
    <processing-errors>
      processing-errors
    </processing-errors>
  </multilink-bundle-errors>
</physical-interface>
```

**Description** Multilink bundle errors

### <multilink-bundle-errors>

#### Usage

```
<physical-interface>
  <logical-interface>
    <multilink-bundle-errors>
      <packet-drops>
        packet-drops
      </packet-drops>
      <packet-drop-bytes>
        packet-drop-bytes
      </packet-drop-bytes>
      <fragment-drops>
        fragment-drops
      </fragment-drops>
      <fragment-drop-bytes>
        fragment-drop-bytes
```

```

    </fragment-drop-bytes>
    <mrru-exceeded>
      mrru-exceeded
    </mrru-exceeded>
    <processing-errors>
      processing-errors
    </processing-errors>
  </multilink-bundle-errors>
</logical-interface>
</physical-interface>

```

**Description** Multilink bundle errors

### <multilink-bundle-errors>

#### Usage

```

<interface-information>
  <physical-interface>
    <multilink-bundle-errors>
      <packet-drops>
        packet-drops
      </packet-drops>
      <packet-drop-bytes>
        packet-drop-bytes
      </packet-drop-bytes>
      <fragment-drops>
        fragment-drops
      </fragment-drops>
      <fragment-drop-bytes>
        fragment-drop-bytes
      </fragment-drop-bytes>
      <mrru-exceeded>
        mrru-exceeded
      </mrru-exceeded>
      <processing-errors>
        processing-errors
      </processing-errors>
    </multilink-bundle-errors>
  </physical-interface>
</interface-information>

```

**Description** Multilink bundle errors

### <multilink-bundle-errors>

#### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <multilink-bundle-errors>
        <packet-drops>
          packet-drops

```

```
</packet-drops>
<packet-drop-bytes>
  packet-drop-bytes
</packet-drop-bytes>
<fragment-drops>
  fragment-drops
</fragment-drops>
<fragment-drop-bytes>
  fragment-drop-bytes
</fragment-drop-bytes>
<mrru-exceeded>
  mrru-exceeded
</mrru-exceeded>
<processing-errors>
  processing-errors
</processing-errors>
</multilink-bundle-errors>
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** Multilink bundle errors

### <multilink-bundle-errors>

#### Usage

```
<interface-information>
<logical-interface>
  <multilink-bundle-errors>
    <packet-drops>
      packet-drops
    </packet-drops>
    <packet-drop-bytes>
      packet-drop-bytes
    </packet-drop-bytes>
    <fragment-drops>
      fragment-drops
    </fragment-drops>
    <fragment-drop-bytes>
      fragment-drop-bytes
    </fragment-drop-bytes>
    <mrru-exceeded>
      mrru-exceeded
    </mrru-exceeded>
    <processing-errors>
      processing-errors
    </processing-errors>
  </multilink-bundle-errors>
</logical-interface>
</interface-information>
```

**Description** Multilink bundle errors



**<multilink-bundle-errors>****Usage**

```

<interface-filter-information>
  <physical-interface>
    <multilink-bundle-errors>
      <packet-drops>
        packet-drops
      </packet-drops>
      <packet-drop-bytes>
        packet-drop-bytes
      </packet-drop-bytes>
      <fragment-drops>
        fragment-drops
      </fragment-drops>
      <fragment-drop-bytes>
        fragment-drop-bytes
      </fragment-drop-bytes>
      <mrru-exceeded>
        mrru-exceeded
      </mrru-exceeded>
      <processing-errors>
        processing-errors
      </processing-errors>
    </multilink-bundle-errors>
  </physical-interface>
</interface-filter-information>

```

**Description** Multilink bundle errors

**<multilink-bundle-errors>****Usage**

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <multilink-bundle-errors>
        <packet-drops>
          packet-drops
        </packet-drops>
        <packet-drop-bytes>
          packet-drop-bytes
        </packet-drop-bytes>
        <fragment-drops>
          fragment-drops
        </fragment-drops>
        <fragment-drop-bytes>
          fragment-drop-bytes
        </fragment-drop-bytes>
        <mrru-exceeded>
          mrru-exceeded
        </mrru-exceeded>
        <processing-errors>

```

```
        processing-errors
      </processing-errors>
    </multilink-bundle-errors>
  </logical-interface>
</physical-interface>
</interface-filter-information>
```

**Description** Multilink bundle errors

### <multilink-bundle-errors>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <multilink-bundle-errors>
      <packet-drops>
        packet-drops
      </packet-drops>
      <packet-drop-bytes>
        packet-drop-bytes
      </packet-drop-bytes>
      <fragment-drops>
        fragment-drops
      </fragment-drops>
      <fragment-drop-bytes>
        fragment-drop-bytes
      </fragment-drop-bytes>
      <mrru-exceeded>
        mrru-exceeded
      </mrru-exceeded>
      <processing-errors>
        processing-errors
      </processing-errors>
    </multilink-bundle-errors>
  </logical-interface>
</interface-filter-information>
```

**Description** Multilink bundle errors

### <multilink-bundle-errors>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <multilink-bundle-errors>
      <packet-drops>
        packet-drops
      </packet-drops>
      <packet-drop-bytes>
        packet-drop-bytes
      </packet-drop-bytes>
      <fragment-drops>
```

```

        fragment-drops
      </fragment-drops>
    <fragment-drop-bytes>
      fragment-drop-bytes
    </fragment-drop-bytes>
    <mrru-exceeded>
      mrru-exceeded
    </mrru-exceeded>
    <processing-errors>
      processing-errors
    </processing-errors>
  </multilink-bundle-errors>
</physical-interface>
</interface-policer-information>

```

**Description** Multilink bundle errors

### <multilink-bundle-errors>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <multilink-bundle-errors>
        <packet-drops>
          packet-drops
        </packet-drops>
        <packet-drop-bytes>
          packet-drop-bytes
        </packet-drop-bytes>
        <fragment-drops>
          fragment-drops
        </fragment-drops>
        <fragment-drop-bytes>
          fragment-drop-bytes
        </fragment-drop-bytes>
        <mrru-exceeded>
          mrru-exceeded
        </mrru-exceeded>
        <processing-errors>
          processing-errors
        </processing-errors>
      </multilink-bundle-errors>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

**Description** Multilink bundle errors

## <multilink-bundle-errors>

### Usage

```
<interface-policer-information>
  <logical-interface>
    <multilink-bundle-errors>
      <packet-drops>
        packet-drops
      </packet-drops>
      <packet-drop-bytes>
        packet-drop-bytes
      </packet-drop-bytes>
      <fragment-drops>
        fragment-drops
      </fragment-drops>
      <fragment-drop-bytes>
        fragment-drop-bytes
      </fragment-drop-bytes>
      <mrru-exceeded>
        mrru-exceeded
      </mrru-exceeded>
      <processing-errors>
        processing-errors
      </processing-errors>
    </multilink-bundle-errors>
  </logical-interface>
</interface-policer-information>
```

**Description** Multilink bundle errors

## <multilink-bundle-link-information>

### Usage

```
<multilink-bundle-link-information>
  <multilink-active-bundle-links>
    multilink-active-bundle-links
  </multilink-active-bundle-links>
  <multilink-removed-bundle-links>
    multilink-removed-bundle-links
  </multilink-removed-bundle-links>
  <multilink-disabled-bundle-links>
    multilink-disabled-bundle-links
  </multilink-disabled-bundle-links>
</multilink-bundle-link-information>
```

### Description

## <multilink-bundle-link-information>

### Usage

```
<logical-interface>
  <multilink-bundle-link-information>
    <multilink-active-bundle-links>
```

```

        multilink-active-bundle-links
      </multilink-active-bundle-links>
    <multilink-removed-bundle-links>
      multilink-removed-bundle-links
    </multilink-removed-bundle-links>
    <multilink-disabled-bundle-links>
      multilink-disabled-bundle-links
    </multilink-disabled-bundle-links>
  </multilink-bundle-link-information>
</logical-interface>

```

### Description

#### <multilink-bundle-link-information>

#### Usage

```

<physical-interface>
  <logical-interface>
    <multilink-bundle-link-information>
      <multilink-active-bundle-links>
        multilink-active-bundle-links
      </multilink-active-bundle-links>
      <multilink-removed-bundle-links>
        multilink-removed-bundle-links
      </multilink-removed-bundle-links>
      <multilink-disabled-bundle-links>
        multilink-disabled-bundle-links
      </multilink-disabled-bundle-links>
    </multilink-bundle-link-information>
  </logical-interface>
</physical-interface>

```

### Description

#### <multilink-bundle-link-information>

#### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <multilink-bundle-link-information>
        <multilink-active-bundle-links>
          multilink-active-bundle-links
        </multilink-active-bundle-links>
        <multilink-removed-bundle-links>
          multilink-removed-bundle-links
        </multilink-removed-bundle-links>
        <multilink-disabled-bundle-links>
          multilink-disabled-bundle-links
        </multilink-disabled-bundle-links>
      </multilink-bundle-link-information>
    </logical-interface>
  </physical-interface>

```

</interface-information>

#### Description

### <multilink-bundle-link-information>

#### Usage

```
<interface-information>
  <logical-interface>
    <multilink-bundle-link-information>
      <multilink-active-bundle-links>
        multilink-active-bundle-links
      </multilink-active-bundle-links>
      <multilink-removed-bundle-links>
        multilink-removed-bundle-links
      </multilink-removed-bundle-links>
      <multilink-disabled-bundle-links>
        multilink-disabled-bundle-links
      </multilink-disabled-bundle-links>
    </multilink-bundle-link-information>
  </logical-interface>
</interface-information>
```

#### Description

### <multilink-bundle-link-information>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <multilink-bundle-link-information>
        <multilink-active-bundle-links>
          multilink-active-bundle-links
        </multilink-active-bundle-links>
        <multilink-removed-bundle-links>
          multilink-removed-bundle-links
        </multilink-removed-bundle-links>
        <multilink-disabled-bundle-links>
          multilink-disabled-bundle-links
        </multilink-disabled-bundle-links>
      </multilink-bundle-link-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

#### Description

### <multilink-bundle-link-information>

#### Usage

```
<interface-filter-information>
  <logical-interface>
```

```

<multilink-bundle-link-information>
  <multilink-active-bundle-links>
    multilink-active-bundle-links
  </multilink-active-bundle-links>
  <multilink-removed-bundle-links>
    multilink-removed-bundle-links
  </multilink-removed-bundle-links>
  <multilink-disabled-bundle-links>
    multilink-disabled-bundle-links
  </multilink-disabled-bundle-links>
</multilink-bundle-link-information>
</logical-interface>
</interface-filter-information>

```

### Description

#### <multilink-bundle-link-information>

##### Usage

```

<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <multilink-bundle-link-information>
      <multilink-active-bundle-links>
        multilink-active-bundle-links
      </multilink-active-bundle-links>
      <multilink-removed-bundle-links>
        multilink-removed-bundle-links
      </multilink-removed-bundle-links>
      <multilink-disabled-bundle-links>
        multilink-disabled-bundle-links
      </multilink-disabled-bundle-links>
    </multilink-bundle-link-information>
  </logical-interface>
</physical-interface>
</interface-policer-information>

```

### Description

#### <multilink-bundle-link-information>

##### Usage

```

<interface-policer-information>
  <logical-interface>
    <multilink-bundle-link-information>
      <multilink-active-bundle-links>
        multilink-active-bundle-links
      </multilink-active-bundle-links>
      <multilink-removed-bundle-links>
        multilink-removed-bundle-links
      </multilink-removed-bundle-links>
      <multilink-disabled-bundle-links>
        multilink-disabled-bundle-links
      </multilink-disabled-bundle-links>
    </multilink-bundle-link-information>
  </logical-interface>
</interface-policer-information>

```

```
</multilink-bundle-link-information>
</logical-interface>
</interface-policer-information>
```

## Description

### <multilink-bundle-options>

#### Usage

```
<multilink-bundle-options>
  <mrru>
    mrru
  </mrru>
  <remote-mrru>
    remote-mrru
  </remote-mrru>
  <drop-timeout>
    drop-timeout
  </drop-timeout>
  <mlppp-inner-ppp-pfc>
    mlppp-inner-ppp-pfc
  </mlppp-inner-ppp-pfc>
  <sequence-number-format>
    sequence-number-format
  </sequence-number-format>
  <fragment-threshold>
    fragment-threshold
  </fragment-threshold>
  <minimum-links>
    minimum-links
  </minimum-links>
  <interleave-fragments>
    interleave-fragments
  </interleave-fragments>
  <multilink-classes>
    multilink-classes
  </multilink-classes>
  <link-layer-overhead>
    link-layer-overhead
  </link-layer-overhead>
</multilink-bundle-options>
```

## Description

### <multilink-bundle-options>

#### Usage

```
<logical-interface>
  <multilink-bundle-options>
    <mrru>
      mrru
    </mrru>
    <remote-mrru>
      remote-mrru
    </remote-mrru>
  </multilink-bundle-options>
</logical-interface>
```



```

</remote-mrru>
<drop-timeout>
  drop-timeout
</drop-timeout>
<mlppp-inner-ppp-pfc>
  mlppp-inner-ppp-pfc
</mlppp-inner-ppp-pfc>
<sequence-number-format>
  sequence-number-format
</sequence-number-format>
<fragment-threshold>
  fragment-threshold
</fragment-threshold>
<minimum-links>
  minimum-links
</minimum-links>
<interleave-fragments>
  interleave-fragments
</interleave-fragments>
<multilink-classes>
  multilink-classes
</multilink-classes>
<link-layer-overhead>
  link-layer-overhead
</link-layer-overhead>
</multilink-bundle-options>
</logical-interface>

```

## Description

### <multilink-bundle-options>

#### Usage

```

<physical-interface>
<logical-interface>
  <multilink-bundle-options>
    <mrru>
      mrru
    </mrru>
    <remote-mrru>
      remote-mrru
    </remote-mrru>
    <drop-timeout>
      drop-timeout
    </drop-timeout>
    <mlppp-inner-ppp-pfc>
      mlppp-inner-ppp-pfc
    </mlppp-inner-ppp-pfc>
    <sequence-number-format>
      sequence-number-format
    </sequence-number-format>
    <fragment-threshold>
      fragment-threshold
    </fragment-threshold>
    <minimum-links>

```

```
    minimum-links
  </minimum-links>
  <interleave-fragments>
    interleave-fragments
  </interleave-fragments>
  <multilink-classes>
    multilink-classes
  </multilink-classes>
  <link-layer-overhead>
    link-layer-overhead
  </link-layer-overhead>
</multilink-bundle-options>
</logical-interface>
</physical-interface>
```

## Description

### <multilink-bundle-options>

#### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <multilink-bundle-options>
        <mrru>
          mrru
        </mrru>
        <remote-mrru>
          remote-mrru
        </remote-mrru>
        <drop-timeout>
          drop-timeout
        </drop-timeout>
        <mlppp-inner-ppp-pfc>
          mlppp-inner-ppp-pfc
        </mlppp-inner-ppp-pfc>
        <sequence-number-format>
          sequence-number-format
        </sequence-number-format>
        <fragment-threshold>
          fragment-threshold
        </fragment-threshold>
        <minimum-links>
          minimum-links
        </minimum-links>
        <interleave-fragments>
          interleave-fragments
        </interleave-fragments>
        <multilink-classes>
          multilink-classes
        </multilink-classes>
        <link-layer-overhead>
          link-layer-overhead
        </link-layer-overhead>
      </multilink-bundle-options>
```

```

    </logical-interface>
  </physical-interface>
</interface-information>

```

## Description

### <multilink-bundle-options>

#### Usage

```

<interface-information>
  <logical-interface>
    <multilink-bundle-options>
      <mrru>
        mrru
      </mrru>
      <remote-mrru>
        remote-mrru
      </remote-mrru>
      <drop-timeout>
        drop-timeout
      </drop-timeout>
      <mlppp-inner-ppp-pfc>
        mlppp-inner-ppp-pfc
      </mlppp-inner-ppp-pfc>
      <sequence-number-format>
        sequence-number-format
      </sequence-number-format>
      <fragment-threshold>
        fragment-threshold
      </fragment-threshold>
      <minimum-links>
        minimum-links
      </minimum-links>
      <interleave-fragments>
        interleave-fragments
      </interleave-fragments>
      <multilink-classes>
        multilink-classes
      </multilink-classes>
      <link-layer-overhead>
        link-layer-overhead
      </link-layer-overhead>
    </multilink-bundle-options>
  </logical-interface>
</interface-information>

```

## Description

### <multilink-bundle-options>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>

```

```
<multilink-bundle-options>
  <mrru>
    mrru
  </mrru>
  <remote-mrru>
    remote-mrru
  </remote-mrru>
  <drop-timeout>
    drop-timeout
  </drop-timeout>
  <mlppp-inner-ppp-pfc>
    mlppp-inner-ppp-pfc
  </mlppp-inner-ppp-pfc>
  <sequence-number-format>
    sequence-number-format
  </sequence-number-format>
  <fragment-threshold>
    fragment-threshold
  </fragment-threshold>
  <minimum-links>
    minimum-links
  </minimum-links>
  <interleave-fragments>
    interleave-fragments
  </interleave-fragments>
  <multilink-classes>
    multilink-classes
  </multilink-classes>
  <link-layer-overhead>
    link-layer-overhead
  </link-layer-overhead>
</multilink-bundle-options>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

## Description

### <multilink-bundle-options>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <multilink-bundle-options>
      <mrru>
        mrru
      </mrru>
      <remote-mrru>
        remote-mrru
      </remote-mrru>
      <drop-timeout>
        drop-timeout
      </drop-timeout>
      <mlppp-inner-ppp-pfc>
        mlppp-inner-ppp-pfc
```

```

</mlppp-inner-ppp-pfc>
<sequence-number-format>
  sequence-number-format
</sequence-number-format>
<fragment-threshold>
  fragment-threshold
</fragment-threshold>
<minimum-links>
  minimum-links
</minimum-links>
<interleave-fragments>
  interleave-fragments
</interleave-fragments>
<multilink-classes>
  multilink-classes
</multilink-classes>
<link-layer-overhead>
  link-layer-overhead
</link-layer-overhead>
</multilink-bundle-options>
</logical-interface>
</interface-filter-information>

```

## Description

### <multilink-bundle-options>

#### Usage

```

<interface-policer-information>
<physical-interface>
<logical-interface>
  <multilink-bundle-options>
    <mrru>
      mrru
    </mrru>
    <remote-mrru>
      remote-mrru
    </remote-mrru>
    <drop-timeout>
      drop-timeout
    </drop-timeout>
    <mlppp-inner-ppp-pfc>
      mlppp-inner-ppp-pfc
    </mlppp-inner-ppp-pfc>
    <sequence-number-format>
      sequence-number-format
    </sequence-number-format>
    <fragment-threshold>
      fragment-threshold
    </fragment-threshold>
    <minimum-links>
      minimum-links
    </minimum-links>
    <interleave-fragments>
      interleave-fragments

```

```
</interleave-fragments>
<multilink-classes>
  multilink-classes
</multilink-classes>
<link-layer-overhead>
  link-layer-overhead
</link-layer-overhead>
</multilink-bundle-options>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

## Description

### <multilink-bundle-options>

#### Usage

```
<interface-policer-information>
<logical-interface>
  <multilink-bundle-options>
    <mrru>
      mrru
    </mrru>
    <remote-mrru>
      remote-mrru
    </remote-mrru>
    <drop-timeout>
      drop-timeout
    </drop-timeout>
    <mlppp-inner-ppp-pfc>
      mlppp-inner-ppp-pfc
    </mlppp-inner-ppp-pfc>
    <sequence-number-format>
      sequence-number-format
    </sequence-number-format>
    <fragment-threshold>
      fragment-threshold
    </fragment-threshold>
    <minimum-links>
      minimum-links
    </minimum-links>
    <interleave-fragments>
      interleave-fragments
    </interleave-fragments>
    <multilink-classes>
      multilink-classes
    </multilink-classes>
    <link-layer-overhead>
      link-layer-overhead
    </link-layer-overhead>
  </multilink-bundle-options>
</logical-interface>
</interface-policer-information>
```

**Description****<multilink-bundle-status>****Usage**

```

<multilink-bundle-status>
  <rx-sequence-number>
    rx-sequence-number
  </rx-sequence-number>
  <tx-sequence-number>
    tx-sequence-number
  </tx-sequence-number>
  <packet-drops>
    packet-drops
  </packet-drops>
  <packet-drop-bytes>
    packet-drop-bytes
  </packet-drop-bytes>
  <fragment-drops>
    fragment-drops
  </fragment-drops>
  <fragment-drop-bytes>
    fragment-drop-bytes
  </fragment-drop-bytes>
  <mrru-exceeded>
    mrru-exceeded
  </mrru-exceeded>
  <processing-errors>
    processing-errors
  </processing-errors>
  <fragment-timeout>
    fragment-timeout
  </fragment-timeout>
  <sequence-number-missing>
    sequence-number-missing
  </sequence-number-missing>
  <out-of-order-sequence-number>
    out-of-order-sequence-number
  </out-of-order-sequence-number>
  <out-of-range-sequence-number>
    out-of-range-sequence-number
  </out-of-range-sequence-number>
  <packet-buffer-overflow>
    packet-buffer-overflow
  </packet-buffer-overflow>
  <fragment-buffer-overflow>
    fragment-buffer-overflow
  </fragment-buffer-overflow>
</multilink-bundle-status>

```

**Description** Multilink bundle status

## &lt;multilink-bundle-status&gt;

## Usage

```
<logical-interface>
  <multilink-bundle-status>
    <rx-sequence-number>
      rx-sequence-number
    </rx-sequence-number>
    <tx-sequence-number>
      tx-sequence-number
    </tx-sequence-number>
    <packet-drops>
      packet-drops
    </packet-drops>
    <packet-drop-bytes>
      packet-drop-bytes
    </packet-drop-bytes>
    <fragment-drops>
      fragment-drops
    </fragment-drops>
    <fragment-drop-bytes>
      fragment-drop-bytes
    </fragment-drop-bytes>
    <mrru-exceeded>
      mrru-exceeded
    </mrru-exceeded>
    <processing-errors>
      processing-errors
    </processing-errors>
    <fragment-timeout>
      fragment-timeout
    </fragment-timeout>
    <sequence-number-missing>
      sequence-number-missing
    </sequence-number-missing>
    <out-of-order-sequence-number>
      out-of-order-sequence-number
    </out-of-order-sequence-number>
    <out-of-range-sequence-number>
      out-of-range-sequence-number
    </out-of-range-sequence-number>
    <packet-buffer-overflow>
      packet-buffer-overflow
    </packet-buffer-overflow>
    <fragment-buffer-overflow>
      fragment-buffer-overflow
    </fragment-buffer-overflow>
  </multilink-bundle-status>
</logical-interface>
```

**Description** Multilink bundle status



**<multilink-bundle-status>****Usage**

```

<physical-interface>
<logical-interface>
  <multilink-bundle-status>
    <rx-sequence-number>
      rx-sequence-number
    </rx-sequence-number>
    <tx-sequence-number>
      tx-sequence-number
    </tx-sequence-number>
    <packet-drops>
      packet-drops
    </packet-drops>
    <packet-drop-bytes>
      packet-drop-bytes
    </packet-drop-bytes>
    <fragment-drops>
      fragment-drops
    </fragment-drops>
    <fragment-drop-bytes>
      fragment-drop-bytes
    </fragment-drop-bytes>
    <mrru-exceeded>
      mrru-exceeded
    </mrru-exceeded>
    <processing-errors>
      processing-errors
    </processing-errors>
    <fragment-timeout>
      fragment-timeout
    </fragment-timeout>
    <sequence-number-missing>
      sequence-number-missing
    </sequence-number-missing>
    <out-of-order-sequence-number>
      out-of-order-sequence-number
    </out-of-order-sequence-number>
    <out-of-range-sequence-number>
      out-of-range-sequence-number
    </out-of-range-sequence-number>
    <packet-buffer-overflow>
      packet-buffer-overflow
    </packet-buffer-overflow>
    <fragment-buffer-overflow>
      fragment-buffer-overflow
    </fragment-buffer-overflow>
  </multilink-bundle-status>
</logical-interface>
</physical-interface>

```

**Description** Multilink bundle status

## &lt;multilink-bundle-status&gt;

## Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <multilink-bundle-status>
        <rx-sequence-number>
          rx-sequence-number
        </rx-sequence-number>
        <tx-sequence-number>
          tx-sequence-number
        </tx-sequence-number>
        <packet-drops>
          packet-drops
        </packet-drops>
        <packet-drop-bytes>
          packet-drop-bytes
        </packet-drop-bytes>
        <fragment-drops>
          fragment-drops
        </fragment-drops>
        <fragment-drop-bytes>
          fragment-drop-bytes
        </fragment-drop-bytes>
        <mrru-exceeded>
          mrru-exceeded
        </mrru-exceeded>
        <processing-errors>
          processing-errors
        </processing-errors>
        <fragment-timeout>
          fragment-timeout
        </fragment-timeout>
        <sequence-number-missing>
          sequence-number-missing
        </sequence-number-missing>
        <out-of-order-sequence-number>
          out-of-order-sequence-number
        </out-of-order-sequence-number>
        <out-of-range-sequence-number>
          out-of-range-sequence-number
        </out-of-range-sequence-number>
        <packet-buffer-overflow>
          packet-buffer-overflow
        </packet-buffer-overflow>
        <fragment-buffer-overflow>
          fragment-buffer-overflow
        </fragment-buffer-overflow>
      </multilink-bundle-status>
    </logical-interface>
  </physical-interface>
</interface-information>
```

**Description** Multilink bundle status

## <multilink-bundle-status>

### Usage

```

<interface-information>
  <logical-interface>
    <multilink-bundle-status>
      <rx-sequence-number>
        rx-sequence-number
      </rx-sequence-number>
      <tx-sequence-number>
        tx-sequence-number
      </tx-sequence-number>
      <packet-drops>
        packet-drops
      </packet-drops>
      <packet-drop-bytes>
        packet-drop-bytes
      </packet-drop-bytes>
      <fragment-drops>
        fragment-drops
      </fragment-drops>
      <fragment-drop-bytes>
        fragment-drop-bytes
      </fragment-drop-bytes>
      <mrru-exceeded>
        mrru-exceeded
      </mrru-exceeded>
      <processing-errors>
        processing-errors
      </processing-errors>
      <fragment-timeout>
        fragment-timeout
      </fragment-timeout>
      <sequence-number-missing>
        sequence-number-missing
      </sequence-number-missing>
      <out-of-order-sequence-number>
        out-of-order-sequence-number
      </out-of-order-sequence-number>
      <out-of-range-sequence-number>
        out-of-range-sequence-number
      </out-of-range-sequence-number>
      <packet-buffer-overflow>
        packet-buffer-overflow
      </packet-buffer-overflow>
      <fragment-buffer-overflow>
        fragment-buffer-overflow
      </fragment-buffer-overflow>
    </multilink-bundle-status>
  </logical-interface>
</interface-information>

```

**Description**   Multilink bundle status

### <multilink-bundle-status>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <multilink-bundle-status>
        <rx-sequence-number>
          rx-sequence-number
        </rx-sequence-number>
        <tx-sequence-number>
          tx-sequence-number
        </tx-sequence-number>
        <packet-drops>
          packet-drops
        </packet-drops>
        <packet-drop-bytes>
          packet-drop-bytes
        </packet-drop-bytes>
        <fragment-drops>
          fragment-drops
        </fragment-drops>
        <fragment-drop-bytes>
          fragment-drop-bytes
        </fragment-drop-bytes>
        <mrru-exceeded>
          mrru-exceeded
        </mrru-exceeded>
        <processing-errors>
          processing-errors
        </processing-errors>
        <fragment-timeout>
          fragment-timeout
        </fragment-timeout>
        <sequence-number-missing>
          sequence-number-missing
        </sequence-number-missing>
        <out-of-order-sequence-number>
          out-of-order-sequence-number
        </out-of-order-sequence-number>
        <out-of-range-sequence-number>
          out-of-range-sequence-number
        </out-of-range-sequence-number>
        <packet-buffer-overflow>
          packet-buffer-overflow
        </packet-buffer-overflow>
        <fragment-buffer-overflow>
          fragment-buffer-overflow
        </fragment-buffer-overflow>
      </multilink-bundle-status>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

```
</interface-filter-information>
```

**Description** Multilink bundle status

## <multilink-bundle-status>

### Usage

```
<interface-filter-information>
  <logical-interface>
    <multilink-bundle-status>
      <rx-sequence-number>
        rx-sequence-number
      </rx-sequence-number>
      <tx-sequence-number>
        tx-sequence-number
      </tx-sequence-number>
      <packet-drops>
        packet-drops
      </packet-drops>
      <packet-drop-bytes>
        packet-drop-bytes
      </packet-drop-bytes>
      <fragment-drops>
        fragment-drops
      </fragment-drops>
      <fragment-drop-bytes>
        fragment-drop-bytes
      </fragment-drop-bytes>
      <mrru-exceeded>
        mrru-exceeded
      </mrru-exceeded>
      <processing-errors>
        processing-errors
      </processing-errors>
      <fragment-timeout>
        fragment-timeout
      </fragment-timeout>
      <sequence-number-missing>
        sequence-number-missing
      </sequence-number-missing>
      <out-of-order-sequence-number>
        out-of-order-sequence-number
      </out-of-order-sequence-number>
      <out-of-range-sequence-number>
        out-of-range-sequence-number
      </out-of-range-sequence-number>
      <packet-buffer-overflow>
        packet-buffer-overflow
      </packet-buffer-overflow>
      <fragment-buffer-overflow>
        fragment-buffer-overflow
      </fragment-buffer-overflow>
    </multilink-bundle-status>
  </logical-interface>
</interface-filter-information>
```

</interface-filter-information>

**Description**    Multilink bundle status

### <multilink-bundle-status>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <multilink-bundle-status>
        <rx-sequence-number>
          rx-sequence-number
        </rx-sequence-number>
        <tx-sequence-number>
          tx-sequence-number
        </tx-sequence-number>
        <packet-drops>
          packet-drops
        </packet-drops>
        <packet-drop-bytes>
          packet-drop-bytes
        </packet-drop-bytes>
        <fragment-drops>
          fragment-drops
        </fragment-drops>
        <fragment-drop-bytes>
          fragment-drop-bytes
        </fragment-drop-bytes>
        <mrru-exceeded>
          mrru-exceeded
        </mrru-exceeded>
        <processing-errors>
          processing-errors
        </processing-errors>
        <fragment-timeout>
          fragment-timeout
        </fragment-timeout>
        <sequence-number-missing>
          sequence-number-missing
        </sequence-number-missing>
        <out-of-order-sequence-number>
          out-of-order-sequence-number
        </out-of-order-sequence-number>
        <out-of-range-sequence-number>
          out-of-range-sequence-number
        </out-of-range-sequence-number>
        <packet-buffer-overflow>
          packet-buffer-overflow
        </packet-buffer-overflow>
        <fragment-buffer-overflow>
          fragment-buffer-overflow
        </fragment-buffer-overflow>
      </multilink-bundle-status>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```

```

    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

**Description** Multilink bundle status

## <multilink-bundle-status>

### Usage

```

<interface-policer-information>
  <logical-interface>
    <multilink-bundle-status>
      <rx-sequence-number>
        rx-sequence-number
      </rx-sequence-number>
      <tx-sequence-number>
        tx-sequence-number
      </tx-sequence-number>
      <packet-drops>
        packet-drops
      </packet-drops>
      <packet-drop-bytes>
        packet-drop-bytes
      </packet-drop-bytes>
      <fragment-drops>
        fragment-drops
      </fragment-drops>
      <fragment-drop-bytes>
        fragment-drop-bytes
      </fragment-drop-bytes>
      <mrru-exceeded>
        mrru-exceeded
      </mrru-exceeded>
      <processing-errors>
        processing-errors
      </processing-errors>
      <fragment-timeout>
        fragment-timeout
      </fragment-timeout>
      <sequence-number-missing>
        sequence-number-missing
      </sequence-number-missing>
      <out-of-order-sequence-number>
        out-of-order-sequence-number
      </out-of-order-sequence-number>
      <out-of-range-sequence-number>
        out-of-range-sequence-number
      </out-of-range-sequence-number>
      <packet-buffer-overflow>
        packet-buffer-overflow
      </packet-buffer-overflow>
      <fragment-buffer-overflow>
        fragment-buffer-overflow
      </fragment-buffer-overflow>
    </multilink-bundle-status>
  </logical-interface>
</interface-policer-information>

```

```
    </multilink-bundle-status>
  </logical-interface>
</interface-policer-information>
```

**Description** Multilink bundle status

### <multilink-detail-statistics>

**Usage**

```
<multilink-traffic-statistics>
  <multilink-detail-statistics>
    <bundle-detail>....</bundle-detail>
    <class-detail>....</class-detail>
  </multilink-detail-statistics>
</multilink-traffic-statistics>
```

**Description**

### <multilink-detail-statistics>

**Usage**

```
<logical-interface>
  <multilink-traffic-statistics>
    <multilink-detail-statistics>
      <bundle-detail>....</bundle-detail>
      <class-detail>....</class-detail>
    </multilink-detail-statistics>
  </multilink-traffic-statistics>
</logical-interface>
```

**Description**

### <multilink-detail-statistics>

**Usage**

```
<physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>....</bundle-detail>
        <class-detail>....</class-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</physical-interface>
```

**Description**



**<multilink-detail-statistics>****Usage**

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <multilink-detail-statistics>
          <bundle-detail>....</bundle-detail>
          <class-detail>....</class-detail>
        </multilink-detail-statistics>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-information>
```

**Description****<multilink-detail-statistics>****Usage**

```
<interface-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>....</bundle-detail>
        <class-detail>....</class-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-information>
```

**Description****<multilink-detail-statistics>****Usage**

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <multilink-detail-statistics>
          <bundle-detail>....</bundle-detail>
          <class-detail>....</class-detail>
        </multilink-detail-statistics>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description**

## <multilink-detail-statistics>

### Usage

```
<interface-filter-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>....</bundle-detail>
        <class-detail>....</class-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-filter-information>
```

### Description

## <multilink-detail-statistics>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <multilink-detail-statistics>
          <bundle-detail>....</bundle-detail>
          <class-detail>....</class-detail>
        </multilink-detail-statistics>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```

### Description

## <multilink-detail-statistics>

### Usage

```
<interface-policer-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>....</bundle-detail>
        <class-detail>....</class-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-policer-information>
```

### Description

**<multilink-frames>****Usage**

```

<multilink-frames>
  <input-frames>
    input-frames
  </input-frames>
  <input-fps>
    input-fps
  </input-fps>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-frames>
    output-frames
  </output-frames>
  <output-fps>
    output-fps
  </output-fps>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-bps>
    output-bps
  </output-bps>
</multilink-frames>

```

**Description** Link-pic bound frame statistics for multilink bundles and classes

**<multilink-frames>****Usage**

```

<multilink-traffic-statistics>
  <bundle>
    <multilink-frames>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-frames>
        output-frames
      </output-frames>
    </multilink-frames>
  </bundle>
</multilink-traffic-statistics>

```

```
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</multilink-frames>
</bundle>
</multilink-traffic-statistics>
```

**Description** Link-pic bound frame statistics for multilink bundles and classes

### <multilink-frames>

#### Usage

```
<multilink-traffic-statistics>
  <class>
    <multilink-frames>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-frames>
        output-frames
      </output-frames>
      <output-fps>
        output-fps
      </output-fps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
    </multilink-frames>
  </class>
</multilink-traffic-statistics>
```

**Description** Link-pic bound frame statistics for multilink bundles and classes

## <multilink-frames>

### Usage

```

<mlfr-uni-nni-traffic-statistics>
  <bundle>
    <multilink-frames>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-frames>
        output-frames
      </output-frames>
      <output-fps>
        output-fps
      </output-fps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
    </multilink-frames>
  </bundle>
</mlfr-uni-nni-traffic-statistics>

```

**Description** Link-pic bound frame statistics for multilink bundles and classes

## <multilink-frames>

### Usage

```

<logical-interface>
  <multilink-traffic-statistics>
    <bundle>
      <multilink-frames>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>

```

```
        input-bps
      </input-bps>
    <output-frames>
      output-frames
    </output-frames>
    <output-fps>
      output-fps
    </output-fps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </multilink-frames>
</bundle>
</multilink-traffic-statistics>
</logical-interface>
```

**Description** Link-pic bound frame statistics for multilink bundles and classes

### <multilink-frames>

#### Usage

```
<logical-interface>
  <multilink-traffic-statistics>
    <class>
      <multilink-frames>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
        </output-frames>
        <output-fps>
          output-fps
        </output-fps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </multilink-frames>
    </class>
```

```

    </multilink-traffic-statistics>
  </logical-interface>

```

**Description** Link-pic bound frame statistics for multilink bundles and classes

### <multilink-frames>

#### Usage

```

<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <bundle>
      <multilink-frames>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
        </output-frames>
        <output-fps>
          output-fps
        </output-fps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </multilink-frames>
    </bundle>
  </multilink-traffic-statistics>
</logical-interface>
</physical-interface>

```

**Description** Link-pic bound frame statistics for multilink bundles and classes

### <multilink-frames>

#### Usage

```

<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <class>

```

```
<multilink-frames>
  <input-frames>
    input-frames
  </input-frames>
  <input-fps>
    input-fps
  </input-fps>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-frames>
    output-frames
  </output-frames>
  <output-fps>
    output-fps
  </output-fps>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-bps>
    output-bps
  </output-bps>
</multilink-frames>
</class>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
```

**Description** Link-pic bound frame statistics for multilink bundles and classes

### <multilink-frames>

#### Usage

```
<physical-interface>
  <mlfr-uni-nni-traffic-statistics>
    <bundle>
      <multilink-frames>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
```



```

</output-frames>
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</multilink-frames>
</bundle>
</mlfr-uni-nni-traffic-statistics>
</physical-interface>

```

**Description** Link-pic bound frame statistics for multilink bundles and classes

## <multilink-frames>

### Usage

```

<interface-information>
<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <bundle>
      <multilink-frames>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
        </output-frames>
        <output-fps>
          output-fps
        </output-fps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </multilink-frames>
    </bundle>
  </multilink-traffic-statistics>
</logical-interface>

```

```
</physical-interface>
</interface-information>
```

**Description** Link-pic bound frame statistics for multilink bundles and classes

### <multilink-frames>

#### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <class>
      <multilink-frames>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
        </output-frames>
        <output-fps>
          output-fps
        </output-fps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </multilink-frames>
    </class>
  </multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** Link-pic bound frame statistics for multilink bundles and classes

### <multilink-frames>

#### Usage

```
<interface-information>
<physical-interface>
```

```

<mlfr-uni-nni-traffic-statistics>
  <bundle>
    <multilink-frames>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-frames>
        output-frames
      </output-frames>
      <output-fps>
        output-fps
      </output-fps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
    </multilink-frames>
  </bundle>
</mlfr-uni-nni-traffic-statistics>
</physical-interface>
</interface-information>

```

**Description** Link-pic bound frame statistics for multilink bundles and classes

### <multilink-frames>

#### Usage

```

<interface-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <bundle>
        <multilink-frames>
          <input-frames>
            input-frames
          </input-frames>
          <input-fps>
            input-fps
          </input-fps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps

```

```
</input-bps>
<output-frames>
  output-frames
</output-frames>
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</multilink-frames>
</bundle>
</multilink-traffic-statistics>
</logical-interface>
</interface-information>
```

**Description** Link-pic bound frame statistics for multilink bundles and classes

### <multilink-frames>

#### Usage

```
<interface-information>
<logical-interface>
  <multilink-traffic-statistics>
    <class>
      <multilink-frames>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
        </output-frames>
        <output-fps>
          output-fps
        </output-fps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </multilink-frames>
```

```

    </class>
  </multilink-traffic-statistics>
</logical-interface>
</interface-information>

```

**Description** Link-pic bound frame statistics for multilink bundles and classes

## <multilink-frames>

### Usage

```

<interface-filter-information>
<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <bundle>
      <multilink-frames>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
        </output-frames>
        <output-fps>
          output-fps
        </output-fps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </multilink-frames>
    </bundle>
  </multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

**Description** Link-pic bound frame statistics for multilink bundles and classes

## <multilink-frames>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <class>
          <multilink-frames>
            <input-frames>
              input-frames
            </input-frames>
            <input-fps>
              input-fps
            </input-fps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>
              input-bps
            </input-bps>
            <output-frames>
              output-frames
            </output-frames>
            <output-fps>
              output-fps
            </output-fps>
            <output-bytes>
              output-bytes
            </output-bytes>
            <output-bps>
              output-bps
            </output-bps>
          </multilink-frames>
        </class>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description** Link-pic bound frame statistics for multilink bundles and classes

## <multilink-frames>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <mlfr-uni-nni-traffic-statistics>
      <bundle>
        <multilink-frames>
          <input-frames>
            input-frames
          </input-frames>
```

```

<input-fps>
  input-fps
</input-fps>
<input-bytes>
  input-bytes
</input-bytes>
<input-bps>
  input-bps
</input-bps>
<output-frames>
  output-frames
</output-frames>
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</multilink-frames>
</bundle>
</mlfr-uni-nni-traffic-statistics>
</physical-interface>
</interface-filter-information>

```

**Description** Link-pic bound frame statistics for multilink bundles and classes

## <multilink-frames>

### Usage

```

<interface-filter-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <bundle>
        <multilink-frames>
          <input-frames>
            input-frames
          </input-frames>
          <input-fps>
            input-fps
          </input-fps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-frames>
            output-frames
          </output-frames>
          <output-fps>
            output-fps

```

```
        </output-fps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </multilink-frames>
    </bundle>
  </multilink-traffic-statistics>
</logical-interface>
</interface-filter-information>
```

**Description** Link-pic bound frame statistics for multilink bundles and classes

### <multilink-frames>

#### Usage

```
<interface-filter-information>
<logical-interface>
  <multilink-traffic-statistics>
    <class>
      <multilink-frames>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
        </output-frames>
        <output-fps>
          output-fps
        </output-fps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </multilink-frames>
    </class>
  </multilink-traffic-statistics>
</logical-interface>
</interface-filter-information>
```



**Description** Link-pic bound frame statistics for multilink bundles and classes

### <multilink-frames>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <bundle>
          <multilink-frames>
            <input-frames>
              input-frames
            </input-frames>
            <input-fps>
              input-fps
            </input-fps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>
              input-bps
            </input-bps>
            <output-frames>
              output-frames
            </output-frames>
            <output-fps>
              output-fps
            </output-fps>
            <output-bytes>
              output-bytes
            </output-bytes>
            <output-bps>
              output-bps
            </output-bps>
          </multilink-frames>
        </bundle>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

**Description** Link-pic bound frame statistics for multilink bundles and classes

### <multilink-frames>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <class>
          <multilink-frames>

```

```
<input-frames>
  input-frames
</input-frames>
<input-fps>
  input-fps
</input-fps>
<input-bytes>
  input-bytes
</input-bytes>
<input-bps>
  input-bps
</input-bps>
<output-frames>
  output-frames
</output-frames>
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</multilink-frames>
</class>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

**Description** Link-pic bound frame statistics for multilink bundles and classes

## <multilink-frames>

### Usage

```
<interface-policer-information>
<physical-interface>
  <mlfr-uni-nni-traffic-statistics>
    <bundle>
      <multilink-frames>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
```

```

        output-frames
      </output-frames>
    <output-fps>
      output-fps
    </output-fps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </multilink-frames>
</bundle>
</mlfr-uni-nni-traffic-statistics>
</physical-interface>
</interface-policer-information>

```

**Description** Link-pic bound frame statistics for multilink bundles and classes

## <multilink-frames>

### Usage

```

<interface-policer-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <bundle>
        <multilink-frames>
          <input-frames>
            input-frames
          </input-frames>
          <input-fps>
            input-fps
          </input-fps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-frames>
            output-frames
          </output-frames>
          <output-fps>
            output-fps
          </output-fps>
          <output-bytes>
            output-bytes
          </output-bytes>
          <output-bps>
            output-bps
          </output-bps>
        </multilink-frames>
      </bundle>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-policer-information>

```

```
</logical-interface>
</interface-policer-information>
```

**Description** Link-pic bound frame statistics for multilink bundles and classes

### <multilink-frames>

#### Usage

```
<interface-policer-information>
<logical-interface>
  <multilink-traffic-statistics>
    <class>
      <multilink-frames>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
        </output-frames>
        <output-fps>
          output-fps
        </output-fps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </multilink-frames>
    </class>
  </multilink-traffic-statistics>
</logical-interface>
</interface-policer-information>
```

**Description** Link-pic bound frame statistics for multilink bundles and classes

### <multilink-interface-errors>

#### Usage

```
<multilink-interface-errors>
  <oversized-frames>
    oversized-frames
  </oversized-frames>
```

```

<input-error-frames>
  input-error-frames
</input-error-frames>
<input-disabled-bundle>
  input-disabled-bundle
</input-disabled-bundle>
<output-disabled-bundle>
  output-disabled-bundle
</output-disabled-bundle>
<queuing-drops>
  queuing-drops
</queuing-drops>
<packet-buffer-overflow>
  packet-buffer-overflow
</packet-buffer-overflow>
<fragment-buffer-overflow>
  fragment-buffer-overflow
</fragment-buffer-overflow>
<fragment-timeout>
  fragment-timeout
</fragment-timeout>
<sequence-number-missing>
  sequence-number-missing
</sequence-number-missing>
<out-of-order-sequence-number>
  out-of-order-sequence-number
</out-of-order-sequence-number>
<out-of-range-sequence-number>
  out-of-range-sequence-number
</out-of-range-sequence-number>
<data-memory-error>
  data-memory-error
</data-memory-error>
<control-memory-error>
  control-memory-error
</control-memory-error>
</multilink-interface-errors>

```

## Description

### <multilink-interface-errors>

#### Usage

```

<physical-interface>
  <multilink-interface-errors>
    <oversized-frames>
      oversized-frames
    </oversized-frames>
    <input-error-frames>
      input-error-frames
    </input-error-frames>
    <input-disabled-bundle>
      input-disabled-bundle
    </input-disabled-bundle>
    <output-disabled-bundle>

```

```
    output-disabled-bundle
  </output-disabled-bundle>
  <queuing-drops>
    queuing-drops
  </queuing-drops>
  <packet-buffer-overflow>
    packet-buffer-overflow
  </packet-buffer-overflow>
  <fragment-buffer-overflow>
    fragment-buffer-overflow
  </fragment-buffer-overflow>
  <fragment-timeout>
    fragment-timeout
  </fragment-timeout>
  <sequence-number-missing>
    sequence-number-missing
  </sequence-number-missing>
  <out-of-order-sequence-number>
    out-of-order-sequence-number
  </out-of-order-sequence-number>
  <out-of-range-sequence-number>
    out-of-range-sequence-number
  </out-of-range-sequence-number>
  <data-memory-error>
    data-memory-error
  </data-memory-error>
  <control-memory-error>
    control-memory-error
  </control-memory-error>
</multilink-interface-errors>
</physical-interface>
```

#### Description

#### <multilink-interface-errors>

##### Usage

```
<interface-information>
  <physical-interface>
    <multilink-interface-errors>
      <oversized-frames>
        oversized-frames
      </oversized-frames>
      <input-error-frames>
        input-error-frames
      </input-error-frames>
      <input-disabled-bundle>
        input-disabled-bundle
      </input-disabled-bundle>
      <output-disabled-bundle>
        output-disabled-bundle
      </output-disabled-bundle>
      <queuing-drops>
        queuing-drops
      </queuing-drops>
```

```

<packet-buffer-overflow>
  packet-buffer-overflow
</packet-buffer-overflow>
<fragment-buffer-overflow>
  fragment-buffer-overflow
</fragment-buffer-overflow>
<fragment-timeout>
  fragment-timeout
</fragment-timeout>
<sequence-number-missing>
  sequence-number-missing
</sequence-number-missing>
<out-of-order-sequence-number>
  out-of-order-sequence-number
</out-of-order-sequence-number>
<out-of-range-sequence-number>
  out-of-range-sequence-number
</out-of-range-sequence-number>
<data-memory-error>
  data-memory-error
</data-memory-error>
<control-memory-error>
  control-memory-error
</control-memory-error>
</multilink-interface-errors>
</physical-interface>
</interface-information>

```

## Description

### <multilink-interface-errors>

#### Usage

```

<interface-filter-information>
<physical-interface>
  <multilink-interface-errors>
    <oversized-frames>
      oversized-frames
    </oversized-frames>
    <input-error-frames>
      input-error-frames
    </input-error-frames>
    <input-disabled-bundle>
      input-disabled-bundle
    </input-disabled-bundle>
    <output-disabled-bundle>
      output-disabled-bundle
    </output-disabled-bundle>
    <queuing-drops>
      queuing-drops
    </queuing-drops>
    <packet-buffer-overflow>
      packet-buffer-overflow
    </packet-buffer-overflow>
    <fragment-buffer-overflow>

```

```
    fragment-buffer-overflow
  </fragment-buffer-overflow>
  <fragment-timeout>
    fragment-timeout
  </fragment-timeout>
  <sequence-number-missing>
    sequence-number-missing
  </sequence-number-missing>
  <out-of-order-sequence-number>
    out-of-order-sequence-number
  </out-of-order-sequence-number>
  <out-of-range-sequence-number>
    out-of-range-sequence-number
  </out-of-range-sequence-number>
  <data-memory-error>
    data-memory-error
  </data-memory-error>
  <control-memory-error>
    control-memory-error
  </control-memory-error>
</multilink-interface-errors>
</physical-interface>
</interface-filter-information>
```

## Description

### <multilink-interface-errors>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <multilink-interface-errors>
    <oversized-frames>
      oversized-frames
    </oversized-frames>
    <input-error-frames>
      input-error-frames
    </input-error-frames>
    <input-disabled-bundle>
      input-disabled-bundle
    </input-disabled-bundle>
    <output-disabled-bundle>
      output-disabled-bundle
    </output-disabled-bundle>
    <queuing-drops>
      queuing-drops
    </queuing-drops>
    <packet-buffer-overflow>
      packet-buffer-overflow
    </packet-buffer-overflow>
    <fragment-buffer-overflow>
      fragment-buffer-overflow
    </fragment-buffer-overflow>
    <fragment-timeout>
      fragment-timeout
```



```

</fragment-timeout>
<sequence-number-missing>
  sequence-number-missing
</sequence-number-missing>
<out-of-order-sequence-number>
  out-of-order-sequence-number
</out-of-order-sequence-number>
<out-of-range-sequence-number>
  out-of-range-sequence-number
</out-of-range-sequence-number>
<data-memory-error>
  data-memory-error
</data-memory-error>
<control-memory-error>
  control-memory-error
</control-memory-error>
</multilink-interface-errors>
</physical-interface>
</interface-policer-information>

```

#### Description

### <multilink-traffic-statistics>

#### Usage

```

<multilink-traffic-statistics>
  <bundle>....</bundle>
  <class>....</class>
  <link>....</link>
  <multilink-detail-statistics>....</multilink-detail-statistics>
  <crtp>....</crtp>
</multilink-traffic-statistics>

```

#### Description

### <multilink-traffic-statistics>

#### Usage

```

<logical-interface>
  <multilink-traffic-statistics>
    <bundle>....</bundle>
    <class>....</class>
    <link>....</link>
    <multilink-detail-statistics>....</multilink-detail-statistics>
    <crtp>....</crtp>
  </multilink-traffic-statistics>
</logical-interface>

```

#### Description

## <multilink-traffic-statistics>

### Usage

```
<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <bundle>....</bundle>
    <class>....</class>
    <link>....</link>
    <multilink-detail-statistics>....</multilink-detail-statistics>
    <crtp>....</crtp>
  </multilink-traffic-statistics>
</logical-interface>
</physical-interface>
```

### Description

## <multilink-traffic-statistics>

### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <bundle>....</bundle>
    <class>....</class>
    <link>....</link>
    <multilink-detail-statistics>....</multilink-detail-statistics>
    <crtp>....</crtp>
  </multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>
```

### Description

## <multilink-traffic-statistics>

### Usage

```
<interface-information>
<logical-interface>
  <multilink-traffic-statistics>
    <bundle>....</bundle>
    <class>....</class>
    <link>....</link>
    <multilink-detail-statistics>....</multilink-detail-statistics>
    <crtp>....</crtp>
  </multilink-traffic-statistics>
</logical-interface>
</interface-information>
```

### Description

**<multilink-traffic-statistics>****Usage**

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <bundle>....</bundle>
        <class>....</class>
        <link>....</link>
        <multilink-detail-statistics>....</multilink-detail-statistics>
        <crtp>....</crtp>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

**Description****<multilink-traffic-statistics>****Usage**

```

<interface-filter-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <bundle>....</bundle>
      <class>....</class>
      <link>....</link>
      <multilink-detail-statistics>....</multilink-detail-statistics>
      <crtp>....</crtp>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-filter-information>

```

**Description****<multilink-traffic-statistics>****Usage**

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <bundle>....</bundle>
        <class>....</class>
        <link>....</link>
        <multilink-detail-statistics>....</multilink-detail-statistics>
        <crtp>....</crtp>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

**Description****<multilink-traffic-statistics>****Usage**

```
<interface-policer-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <bundle>....</bundle>
      <class>....</class>
      <link>....</link>
      <multilink-detail-statistics>....</multilink-detail-statistics>
      <crtp>....</crtp>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-policer-information>
```

**Description****<ncp-information>****Usage**

```
<ncp-information>
  <ncp-protocol>
    ncp-protocol
  </ncp-protocol>
  <ncp-state>
    ncp-state
  </ncp-state>
</ncp-information>
```

**Description**    Network Control Protocol information

**<ncp-information>****Usage**

```
<logical-interface>
  <ncp-information>
    <ncp-protocol>
      ncp-protocol
    </ncp-protocol>
    <ncp-state>
      ncp-state
    </ncp-state>
  </ncp-information>
</logical-interface>
```

**Description**    Network Control Protocol information

**<ncp-information>****Usage**

```
<physical-interface>
  <ncp-information>
    <ncp-protocol>
      ncp-protocol
    </ncp-protocol>
    <ncp-state>
      ncp-state
    </ncp-state>
  </ncp-information>
</physical-interface>
```

**Description** Network Control Protocol information

**<ncp-information>****Usage**

```
<physical-interface>
  <logical-interface>
    <ncp-information>
      <ncp-protocol>
        ncp-protocol
      </ncp-protocol>
      <ncp-state>
        ncp-state
      </ncp-state>
    </ncp-information>
  </logical-interface>
</physical-interface>
```

**Description** Network Control Protocol information

**<ncp-information>****Usage**

```
<interface-information>
  <physical-interface>
    <ncp-information>
      <ncp-protocol>
        ncp-protocol
      </ncp-protocol>
      <ncp-state>
        ncp-state
      </ncp-state>
    </ncp-information>
  </physical-interface>
</interface-information>
```

**Description** Network Control Protocol information

### <ncp-information>

**Usage**

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <ncp-information>
        <ncp-protocol>
          ncp-protocol
        </ncp-protocol>
        <ncp-state>
          ncp-state
        </ncp-state>
      </ncp-information>
    </logical-interface>
  </physical-interface>
</interface-information>
```

**Description** Network Control Protocol information

### <ncp-information>

**Usage**

```
<interface-information>
  <logical-interface>
    <ncp-information>
      <ncp-protocol>
        ncp-protocol
      </ncp-protocol>
      <ncp-state>
        ncp-state
      </ncp-state>
    </ncp-information>
  </logical-interface>
</interface-information>
```

**Description** Network Control Protocol information

### <ncp-information>

**Usage**

```
<interface-filter-information>
  <physical-interface>
    <ncp-information>
      <ncp-protocol>
        ncp-protocol
      </ncp-protocol>
      <ncp-state>
        ncp-state
      </ncp-state>
    </ncp-information>
  </physical-interface>
</interface-filter-information>
```

```

    </hcp-information>
  </physical-interface>
</interface-filter-information>

```

**Description** Network Control Protocol information

### <ncp-information>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <ncp-information>
        <ncp-protocol>
          ncp-protocol
        </ncp-protocol>
        <ncp-state>
          ncp-state
        </ncp-state>
      </ncp-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

**Description** Network Control Protocol information

### <ncp-information>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <ncp-information>
      <ncp-protocol>
        ncp-protocol
      </ncp-protocol>
      <ncp-state>
        ncp-state
      </ncp-state>
    </ncp-information>
  </logical-interface>
</interface-filter-information>

```

**Description** Network Control Protocol information

### <ncp-information>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <ncp-information>
      <ncp-protocol>

```

```
    ncp-protocol
  </ncp-protocol>
  <ncp-state>
    ncp-state
  </ncp-state>
</ncp-information>
</physical-interface>
</interface-policer-information>
```

**Description** Network Control Protocol information

### <ncp-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <ncp-information>
        <ncp-protocol>
          ncp-protocol
        </ncp-protocol>
        <ncp-state>
          ncp-state
        </ncp-state>
      </ncp-information>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```

**Description** Network Control Protocol information

### <ncp-information>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <ncp-information>
      <ncp-protocol>
        ncp-protocol
      </ncp-protocol>
      <ncp-state>
        ncp-state
      </ncp-state>
    </ncp-information>
  </logical-interface>
</interface-policer-information>
```

**Description** Network Control Protocol information



**<network-frames>****Usage**

```

<network-frames>
  <input-frames>
    input-frames
  </input-frames>
  <input-fps>
    input-fps
  </input-fps>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-frames>
    output-frames
  </output-frames>
  <output-fps>
    output-fps
  </output-fps>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-bps>
    output-bps
  </output-bps>
</network-frames>

```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

**<network-frames>****Usage**

```

<multilink-traffic-statistics>
  <bundle>
    <network-frames>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-frames>
        output-frames
      </output-frames>
    </network-frames>
  </bundle>
</multilink-traffic-statistics>

```

```
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</network-frames>
</bundle>
</multilink-traffic-statistics>
```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

### <network-frames>

#### Usage

```
<multilink-traffic-statistics>
<class>
  <network-frames>
    <input-frames>
      input-frames
    </input-frames>
    <input-fps>
      input-fps
    </input-fps>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-frames>
      output-frames
    </output-frames>
    <output-fps>
      output-fps
    </output-fps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </network-frames>
</class>
</multilink-traffic-statistics>
```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

**<network-frames>****Usage**

```

<mlfr-uni-nni-traffic-statistics>
  <bundle>
    <network-frames>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-frames>
        output-frames
      </output-frames>
      <output-fps>
        output-fps
      </output-fps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
    </network-frames>
  </bundle>
</mlfr-uni-nni-traffic-statistics>

```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

**<network-frames>****Usage**

```

<logical-interface>
  <multilink-traffic-statistics>
    <bundle>
      <network-frames>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>

```

```
        input-bps
      </input-bps>
    <output-frames>
      output-frames
    </output-frames>
    <output-fps>
      output-fps
    </output-fps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </network-frames>
</bundle>
</multilink-traffic-statistics>
</logical-interface>
```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

### <network-frames>

#### Usage

```
<logical-interface>
<multilink-traffic-statistics>
  <class>
    <network-frames>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-frames>
        output-frames
      </output-frames>
      <output-fps>
        output-fps
      </output-fps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
    </network-frames>
  </class>
```

```

    </multilink-traffic-statistics>
  </logical-interface>

```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

### <network-frames>

#### Usage

```

<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <bundle>
      <network-frames>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
        </output-frames>
        <output-fps>
          output-fps
        </output-fps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </network-frames>
    </bundle>
  </multilink-traffic-statistics>
</logical-interface>
</physical-interface>

```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

### <network-frames>

#### Usage

```

<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <class>

```

```
<network-frames>
  <input-frames>
    input-frames
  </input-frames>
  <input-fps>
    input-fps
  </input-fps>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-frames>
    output-frames
  </output-frames>
  <output-fps>
    output-fps
  </output-fps>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-bps>
    output-bps
  </output-bps>
</network-frames>
</class>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

## <network-frames>

### Usage

```
<physical-interface>
  <mlfr-uni-nni-traffic-statistics>
    <bundle>
      <network-frames>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
```

```

</output-frames>
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</network-frames>
</bundle>
</mlfr-uni-nni-traffic-statistics>
</physical-interface>

```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

### <network-frames>

#### Usage

```

<interface-information>
<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <bundle>
      <network-frames>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
        </output-frames>
        <output-fps>
          output-fps
        </output-fps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </network-frames>
    </bundle>
  </multilink-traffic-statistics>
</logical-interface>

```

```
</physical-interface>
</interface-information>
```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

### <network-frames>

#### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
<multilink-traffic-statistics>
<class>
  <network-frames>
    <input-frames>
      input-frames
    </input-frames>
    <input-fps>
      input-fps
    </input-fps>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-frames>
      output-frames
    </output-frames>
    <output-fps>
      output-fps
    </output-fps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </network-frames>
</class>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

### <network-frames>

#### Usage

```
<interface-information>
<physical-interface>
```



```

<mlfr-uni-nni-traffic-statistics>
  <bundle>
    <network-frames>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-frames>
        output-frames
      </output-frames>
      <output-fps>
        output-fps
      </output-fps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
    </network-frames>
  </bundle>
</mlfr-uni-nni-traffic-statistics>
</physical-interface>
</interface-information>

```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

### <network-frames>

#### Usage

```

<interface-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <bundle>
        <network-frames>
          <input-frames>
            input-frames
          </input-frames>
          <input-fps>
            input-fps
          </input-fps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps

```

```
</input-bps>
<output-frames>
  output-frames
</output-frames>
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</network-frames>
</bundle>
</multilink-traffic-statistics>
</logical-interface>
</interface-information>
```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

### <network-frames>

#### Usage

```
<interface-information>
<logical-interface>
<multilink-traffic-statistics>
<class>
<network-frames>
  <input-frames>
    input-frames
  </input-frames>
  <input-fps>
    input-fps
  </input-fps>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-frames>
    output-frames
  </output-frames>
  <output-fps>
    output-fps
  </output-fps>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-bps>
    output-bps
  </output-bps>
</network-frames>
```

```

    </class>
  </multilink-traffic-statistics>
</logical-interface>
</interface-information>

```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

## <network-frames>

### Usage

```

<interface-filter-information>
<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <bundle>
      <network-frames>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
        </output-frames>
        <output-fps>
          output-fps
        </output-fps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </network-frames>
    </bundle>
  </multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

## <network-frames>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <class>
          <network-frames>
            <input-frames>
              input-frames
            </input-frames>
            <input-fps>
              input-fps
            </input-fps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>
              input-bps
            </input-bps>
            <output-frames>
              output-frames
            </output-frames>
            <output-fps>
              output-fps
            </output-fps>
            <output-bytes>
              output-bytes
            </output-bytes>
            <output-bps>
              output-bps
            </output-bps>
          </network-frames>
        </class>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

## <network-frames>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <mlfr-uni-nni-traffic-statistics>
      <bundle>
        <network-frames>
          <input-frames>
            input-frames
          </input-frames>
```

```

    <input-fps>
      input-fps
    </input-fps>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-frames>
      output-frames
    </output-frames>
    <output-fps>
      output-fps
    </output-fps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </network-frames>
</bundle>
</mlfr-uni-nni-traffic-statistics>
</physical-interface>
</interface-filter-information>

```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

### <network-frames>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <bundle>
        <network-frames>
          <input-frames>
            input-frames
          </input-frames>
          <input-fps>
            input-fps
          </input-fps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-frames>
            output-frames
          </output-frames>
          <output-fps>
            output-fps

```

```
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</network-frames>
</bundle>
</multilink-traffic-statistics>
</logical-interface>
</interface-filter-information>
```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

## <network-frames>

### Usage

```
<interface-filter-information>
<logical-interface>
  <multilink-traffic-statistics>
    <class>
      <network-frames>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
        </output-frames>
        <output-fps>
          output-fps
        </output-fps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </network-frames>
    </class>
  </multilink-traffic-statistics>
</logical-interface>
</interface-filter-information>
```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

### <network-frames>

#### Usage

```

<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <bundle>
        <network-frames>
          <input-frames>
            input-frames
          </input-frames>
          <input-fps>
            input-fps
          </input-fps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-frames>
            output-frames
          </output-frames>
          <output-fps>
            output-fps
          </output-fps>
          <output-bytes>
            output-bytes
          </output-bytes>
          <output-bps>
            output-bps
          </output-bps>
        </network-frames>
      </bundle>
    </multilink-traffic-statistics>
  </logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

### <network-frames>

#### Usage

```

<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <class>
        <network-frames>

```

```
<input-frames>
  input-frames
</input-frames>
<input-fps>
  input-fps
</input-fps>
<input-bytes>
  input-bytes
</input-bytes>
<input-bps>
  input-bps
</input-bps>
<output-frames>
  output-frames
</output-frames>
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</network-frames>
</class>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

### <network-frames>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <mlfr-uni-nni-traffic-statistics>
    <bundle>
      <network-frames>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
```



```

        output-frames
      </output-frames>
    <output-fps>
      output-fps
    </output-fps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </network-frames>
</bundle>
</mlfr-uni-nni-traffic-statistics>
</physical-interface>
</interface-policer-information>

```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

## <network-frames>

### Usage

```

<interface-policer-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <bundle>
        <network-frames>
          <input-frames>
            input-frames
          </input-frames>
          <input-fps>
            input-fps
          </input-fps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-frames>
            output-frames
          </output-frames>
          <output-fps>
            output-fps
          </output-fps>
          <output-bytes>
            output-bytes
          </output-bytes>
          <output-bps>
            output-bps
          </output-bps>
        </network-frames>
      </bundle>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-policer-information>

```

```
</logical-interface>
</interface-policer-information>
```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

### <network-frames>

#### Usage

```
<interface-policer-information>
<logical-interface>
  <multilink-traffic-statistics>
    <class>
      <network-frames>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
        </output-frames>
        <output-fps>
          output-fps
        </output-fps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>
          output-bps
        </output-bps>
      </network-frames>
    </class>
  </multilink-traffic-statistics>
</logical-interface>
</interface-policer-information>
```

**Description** Internet/RE bound frame statistics for multilink bundles and classes

### <non-fragments>

#### Usage

```
<non-fragments>
  <input-frames>
    input-frames
  </input-frames>
```

```

<input-fps>
  input-fps
</input-fps>
<input-bytes>
  input-bytes
</input-bytes>
<input-bps>
  input-bps
</input-bps>
<output-frames>
  output-frames
</output-frames>
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</non-fragments>

```

**Description** Non-fragment statistics for multilink bundles and classes

## <non-fragments>

### Usage

```

<multilink-traffic-statistics>
  <multilink-detail-statistics>
    <bundle-detail>
      <non-fragments>
        <input-frames>
          input-frames
        </input-frames>
        <input-fps>
          input-fps
        </input-fps>
        <input-bytes>
          input-bytes
        </input-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-frames>
          output-frames
        </output-frames>
        <output-fps>
          output-fps
        </output-fps>
        <output-bytes>
          output-bytes
        </output-bytes>
        <output-bps>

```

```
        output-bps
      </output-bps>
    </non-fragments>
  </bundle-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
```

**Description** Non-fragment statistics for multilink bundles and classes

### <non-fragments>

#### Usage

```
<multilink-traffic-statistics>
<multilink-detail-statistics>
  <class-detail>
    <non-fragments>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-frames>
        output-frames
      </output-frames>
      <output-fps>
        output-fps
      </output-fps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
    </non-fragments>
  </class-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
```

**Description** Non-fragment statistics for multilink bundles and classes

### <non-fragments>

#### Usage

```
<logical-interface>
  <multilink-traffic-statistics>
```

```

<multilink-detail-statistics>
  <bundle-detail>
    <non-fragments>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-frames>
        output-frames
      </output-frames>
      <output-fps>
        output-fps
      </output-fps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
    </non-fragments>
  </bundle-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>

```

**Description** Non-fragment statistics for multilink bundles and classes

### <non-fragments>

#### Usage

```

<logical-interface>
  <multilink-traffic-statistics>
    <multilink-detail-statistics>
      <class-detail>
        <non-fragments>
          <input-frames>
            input-frames
          </input-frames>
          <input-fps>
            input-fps
          </input-fps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps

```

```
</input-bps>
<output-frames>
  output-frames
</output-frames>
<output-fps>
  output-fps
</output-fps>
<output-bytes>
  output-bytes
</output-bytes>
<output-bps>
  output-bps
</output-bps>
</non-fragments>
</class-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
```

**Description** Non-fragment statistics for multilink bundles and classes

## <non-fragments>

### Usage

```
<physical-interface>
<logical-interface>
  <multilink-traffic-statistics>
    <multilink-detail-statistics>
      <bundle-detail>
        <non-fragments>
          <input-frames>
            input-frames
          </input-frames>
          <input-fps>
            input-fps
          </input-fps>
          <input-bytes>
            input-bytes
          </input-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-frames>
            output-frames
          </output-frames>
          <output-fps>
            output-fps
          </output-fps>
          <output-bytes>
            output-bytes
          </output-bytes>
          <output-bps>
            output-bps
          </output-bps>
```

```

    </non-fragments>
  </bundle-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>

```

**Description** Non-fragment statistics for multilink bundles and classes

## <non-fragments>

### Usage

```

<physical-interface>
<logical-interface>
<multilink-traffic-statistics>
<multilink-detail-statistics>
<class-detail>
  <non-fragments>
    <input-frames>
      input-frames
    </input-frames>
    <input-fps>
      input-fps
    </input-fps>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-frames>
      output-frames
    </output-frames>
    <output-fps>
      output-fps
    </output-fps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </non-fragments>
</class-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>

```

**Description** Non-fragment statistics for multilink bundles and classes

## <non-fragments>

### Usage

```
<interface-information>
  <physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>
          <non-fragments>
            <input-frames>
              input-frames
            </input-frames>
            <input-fps>
              input-fps
            </input-fps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>
              input-bps
            </input-bps>
            <output-frames>
              output-frames
            </output-frames>
            <output-fps>
              output-fps
            </output-fps>
            <output-bytes>
              output-bytes
            </output-bytes>
            <output-bps>
              output-bps
            </output-bps>
          </non-fragments>
        </bundle-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</physical-interface>
</interface-information>
```

**Description** Non-fragment statistics for multilink bundles and classes

## <non-fragments>

### Usage

```
<interface-information>
  <physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <class-detail>
```



```

<non-fragments>
  <input-frames>
    input-frames
  </input-frames>
  <input-fps>
    input-fps
  </input-fps>
  <input-bytes>
    input-bytes
  </input-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-frames>
    output-frames
  </output-frames>
  <output-fps>
    output-fps
  </output-fps>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-bps>
    output-bps
  </output-bps>
</non-fragments>
</class-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>

```

**Description** Non-fragment statistics for multilink bundles and classes

## <non-fragments>

### Usage

```

<interface-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>
          <non-fragments>
            <input-frames>
              input-frames
            </input-frames>
            <input-fps>
              input-fps
            </input-fps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>

```

```
        input-bps
      </input-bps>
    <output-frames>
      output-frames
    </output-frames>
    <output-fps>
      output-fps
    </output-fps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </non-fragments>
</bundle-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</interface-information>
```

**Description** Non-fragment statistics for multilink bundles and classes

## <non-fragments>

### Usage

```
<interface-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <class-detail>
          <non-fragments>
            <input-frames>
              input-frames
            </input-frames>
            <input-fps>
              input-fps
            </input-fps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>
              input-bps
            </input-bps>
            <output-frames>
              output-frames
            </output-frames>
            <output-fps>
              output-fps
            </output-fps>
            <output-bytes>
              output-bytes
            </output-bytes>
            <output-bps>
```

```

        output-bps
      </output-bps>
    </non-fragments>
  </class-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</interface-information>

```

**Description** Non-fragment statistics for multilink bundles and classes

## <non-fragments>

### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <multilink-detail-statistics>
          <bundle-detail>
            <non-fragments>
              <input-frames>
                input-frames
              </input-frames>
              <input-fps>
                input-fps
              </input-fps>
              <input-bytes>
                input-bytes
              </input-bytes>
              <input-bps>
                input-bps
              </input-bps>
              <output-frames>
                output-frames
              </output-frames>
              <output-fps>
                output-fps
              </output-fps>
              <output-bytes>
                output-bytes
              </output-bytes>
              <output-bps>
                output-bps
              </output-bps>
            </non-fragments>
          </bundle-detail>
        </multilink-detail-statistics>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

**Description** Non-fragment statistics for multilink bundles and classes

### <non-fragments>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <multilink-traffic-statistics>
        <multilink-detail-statistics>
          <class-detail>
            <non-fragments>
              <input-frames>
                input-frames
              </input-frames>
              <input-fps>
                input-fps
              </input-fps>
              <input-bytes>
                input-bytes
              </input-bytes>
              <input-bps>
                input-bps
              </input-bps>
              <output-frames>
                output-frames
              </output-frames>
              <output-fps>
                output-fps
              </output-fps>
              <output-bytes>
                output-bytes
              </output-bytes>
              <output-bps>
                output-bps
              </output-bps>
            </non-fragments>
          </class-detail>
        </multilink-detail-statistics>
      </multilink-traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description** Non-fragment statistics for multilink bundles and classes

### <non-fragments>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
```

```

<bundle-detail>
  <non-fragments>
    <input-frames>
      input-frames
    </input-frames>
    <input-fps>
      input-fps
    </input-fps>
    <input-bytes>
      input-bytes
    </input-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-frames>
      output-frames
    </output-frames>
    <output-fps>
      output-fps
    </output-fps>
    <output-bytes>
      output-bytes
    </output-bytes>
    <output-bps>
      output-bps
    </output-bps>
  </non-fragments>
</bundle-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</interface-filter-information>

```

**Description** Non-fragment statistics for multilink bundles and classes

## <non-fragments>

### Usage

```

<interface-filter-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <class-detail>
          <non-fragments>
            <input-frames>
              input-frames
            </input-frames>
            <input-fps>
              input-fps
            </input-fps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>

```

```
    input-bps
  </input-bps>
  <output-frames>
    output-frames
  </output-frames>
  <output-fps>
    output-fps
  </output-fps>
  <output-bytes>
    output-bytes
  </output-bytes>
  <output-bps>
    output-bps
  </output-bps>
</non-fragments>
</class-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</interface-filter-information>
```

**Description** Non-fragment statistics for multilink bundles and classes

## <non-fragments>

### Usage

```
<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>
          <non-fragments>
            <input-frames>
              input-frames
            </input-frames>
            <input-fps>
              input-fps
            </input-fps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>
              input-bps
            </input-bps>
            <output-frames>
              output-frames
            </output-frames>
            <output-fps>
              output-fps
            </output-fps>
            <output-bytes>
              output-bytes
            </output-bytes>
```

```

        <output-bps>
        output-bps
        </output-bps>
    </non-fragments>
</bundle-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** Non-fragment statistics for multilink bundles and classes

## <non-fragments>

### Usage

```

<interface-policer-information>
<physical-interface>
<logical-interface>
    <multilink-traffic-statistics>
    <multilink-detail-statistics>
    <class-detail>
        <non-fragments>
            <input-frames>
            input-frames
            </input-frames>
            <input-fps>
            input-fps
            </input-fps>
            <input-bytes>
            input-bytes
            </input-bytes>
            <input-bps>
            input-bps
            </input-bps>
            <output-frames>
            output-frames
            </output-frames>
            <output-fps>
            output-fps
            </output-fps>
            <output-bytes>
            output-bytes
            </output-bytes>
            <output-bps>
            output-bps
            </output-bps>
        </non-fragments>
    </class-detail>
    </multilink-detail-statistics>
    </multilink-traffic-statistics>
    </logical-interface>
</physical-interface>

```

</interface-policer-information>

**Description** Non-fragment statistics for multilink bundles and classes

### <non-fragments>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <multilink-traffic-statistics>
      <multilink-detail-statistics>
        <bundle-detail>
          <non-fragments>
            <input-frames>
              input-frames
            </input-frames>
            <input-fps>
              input-fps
            </input-fps>
            <input-bytes>
              input-bytes
            </input-bytes>
            <input-bps>
              input-bps
            </input-bps>
            <output-frames>
              output-frames
            </output-frames>
            <output-fps>
              output-fps
            </output-fps>
            <output-bytes>
              output-bytes
            </output-bytes>
            <output-bps>
              output-bps
            </output-bps>
          </non-fragments>
        </bundle-detail>
      </multilink-detail-statistics>
    </multilink-traffic-statistics>
  </logical-interface>
</interface-policer-information>
```

**Description** Non-fragment statistics for multilink bundles and classes

### <non-fragments>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <multilink-traffic-statistics>
```



```

<multilink-detail-statistics>
  <class-detail>
    <non-fragments>
      <input-frames>
        input-frames
      </input-frames>
      <input-fps>
        input-fps
      </input-fps>
      <input-bytes>
        input-bytes
      </input-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-frames>
        output-frames
      </output-frames>
      <output-fps>
        output-fps
      </output-fps>
      <output-bytes>
        output-bytes
      </output-bytes>
      <output-bps>
        output-bps
      </output-bps>
    </non-fragments>
  </class-detail>
</multilink-detail-statistics>
</multilink-traffic-statistics>
</logical-interface>
</interface-policer-information>

```

**Description** Non-fragment statistics for multilink bundles and classes

### <nxds0-information>

#### Usage

```

<nxds0-information>
  <interface-tx-queue>....</interface-tx-queue>
</nxds0-information>

```

#### Description

### <nxds0-information>

#### Usage

```

<physical-interface>
  <nxds0-information>
    <interface-tx-queue>....</interface-tx-queue>
  </nxds0-information>

```

</physical-interface>

#### Description

<nxdso-information>

#### Usage

```
<interface-information>
  <physical-interface>
    <nxdso-information>
      <interface-tx-queue>....</interface-tx-queue>
    </nxdso-information>
  </physical-interface>
</interface-information>
```

#### Description

<nxdso-information>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <nxdso-information>
      <interface-tx-queue>....</interface-tx-queue>
    </nxdso-information>
  </physical-interface>
</interface-filter-information>
```

#### Description

<nxdso-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <nxdso-information>
      <interface-tx-queue>....</interface-tx-queue>
    </nxdso-information>
  </physical-interface>
</interface-policer-information>
```

#### Description

<oam-parameters>

#### Usage

```
<virtual-circuit-information>
  <oam-parameters>
    <period>
      period
    </period>
    <up-count>
```

```

    up-count
  </up-count>
  <down-count>
    down-count
  </down-count>
</oam-parameters>
</virtual-circuit-information>

```

#### Description

**<oam-parameters>**

#### Usage

```

<virtual-path-information>
  <oam-parameters>
    <period>
      period
    </period>
    <up-count>
      up-count
    </up-count>
    <down-count>
      down-count
    </down-count>
  </oam-parameters>
</virtual-path-information>

```

#### Description

**<oam-parameters>**

#### Usage

```

<logical-interface>
  <virtual-circuit-information>
    <oam-parameters>
      <period>
        period
      </period>
      <up-count>
        up-count
      </up-count>
      <down-count>
        down-count
      </down-count>
    </oam-parameters>
  </virtual-circuit-information>
</logical-interface>

```

#### Description

## <oam-parameters>

### Usage

```
<physical-interface>
<virtual-path-information>
  <oam-parameters>
    <period>
      period
    </period>
    <up-count>
      up-count
    </up-count>
    <down-count>
      down-count
    </down-count>
  </oam-parameters>
</virtual-path-information>
</physical-interface>
```

### Description

## <oam-parameters>

### Usage

```
<physical-interface>
<logical-interface>
  <virtual-circuit-information>
    <oam-parameters>
      <period>
        period
      </period>
      <up-count>
        up-count
      </up-count>
      <down-count>
        down-count
      </down-count>
    </oam-parameters>
  </virtual-circuit-information>
</logical-interface>
</physical-interface>
```

### Description

## <oam-parameters>

### Usage

```
<interface-information>
<physical-interface>
  <virtual-path-information>
    <oam-parameters>
      <period>
        period
```

```

</period>
<up-count>
  up-count
</up-count>
<down-count>
  down-count
</down-count>
</oam-parameters>
</virtual-path-information>
</physical-interface>
</interface-information>

```

#### Description

#### <oam-parameters>

##### Usage

```

<interface-information>
<physical-interface>
<logical-interface>
<virtual-circuit-information>
  <oam-parameters>
    <period>
      period
    </period>
    <up-count>
      up-count
    </up-count>
    <down-count>
      down-count
    </down-count>
  </oam-parameters>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-information>

```

#### Description

#### <oam-parameters>

##### Usage

```

<interface-information>
<logical-interface>
<virtual-circuit-information>
  <oam-parameters>
    <period>
      period
    </period>
    <up-count>
      up-count
    </up-count>
    <down-count>
      down-count

```

```
</down-count>
</oam-parameters>
</virtual-circuit-information>
</logical-interface>
</interface-information>
```

#### Description

### <oam-parameters>

#### Usage

```
<interface-filter-information>
<physical-interface>
<virtual-path-information>
<oam-parameters>
<period>
  period
</period>
<up-count>
  up-count
</up-count>
<down-count>
  down-count
</down-count>
</oam-parameters>
</virtual-path-information>
</physical-interface>
</interface-filter-information>
```

#### Description

### <oam-parameters>

#### Usage

```
<interface-filter-information>
<physical-interface>
<logical-interface>
<virtual-circuit-information>
<oam-parameters>
<period>
  period
</period>
<up-count>
  up-count
</up-count>
<down-count>
  down-count
</down-count>
</oam-parameters>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

## Description

## &lt;oam-parameters&gt;

## Usage

```

<interface-filter-information>
  <logical-interface>
    <virtual-circuit-information>
      <oam-parameters>
        <period>
          period
        </period>
        <up-count>
          up-count
        </up-count>
        <down-count>
          down-count
        </down-count>
      </oam-parameters>
    </virtual-circuit-information>
  </logical-interface>
</interface-filter-information>

```

## Description

## &lt;oam-parameters&gt;

## Usage

```

<interface-policer-information>
  <physical-interface>
    <virtual-path-information>
      <oam-parameters>
        <period>
          period
        </period>
        <up-count>
          up-count
        </up-count>
        <down-count>
          down-count
        </down-count>
      </oam-parameters>
    </virtual-path-information>
  </physical-interface>
</interface-policer-information>

```

## Description

## &lt;oam-parameters&gt;

## Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>

```

```

<virtual-circuit-information>
  <oam-parameters>
    <period>
      period
    </period>
    <up-count>
      up-count
    </up-count>
    <down-count>
      down-count
    </down-count>
  </oam-parameters>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

## Description

### <oam-parameters>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <virtual-circuit-information>
      <oam-parameters>
        <period>
          period
        </period>
        <up-count>
          up-count
        </up-count>
        <down-count>
          down-count
        </down-count>
      </oam-parameters>
    </virtual-circuit-information>
  </logical-interface>
</interface-policer-information>

```

## Description

### <oam-statistics>

#### Usage

```

<oam-statistics>
  <oam-loopback-received-count>
    oam-loopback-received-count
  </oam-loopback-received-count>
  <oam-loopback-received-last>
    oam-loopback-received-last
  </oam-loopback-received-last>
  <oam-loopback-transmitted-count>
    oam-loopback-transmitted-count

```



```

</oam-loopback-transmitted-count>
<oam-loopback-transmitted-last>
  oam-loopback-transmitted-last
</oam-loopback-transmitted-last>
<oam-rdi-received-count>
  oam-rdi-received-count
</oam-rdi-received-count>
<oam-rdi-received-last>
  oam-rdi-received-last
</oam-rdi-received-last>
<oam-rdi-transmitted-count>
  oam-rdi-transmitted-count
</oam-rdi-transmitted-count>
<oam-rdi-transmitted-last>
  oam-rdi-transmitted-last
</oam-rdi-transmitted-last>
<oam-ais-received-count>
  oam-ais-received-count
</oam-ais-received-count>
<oam-ais-received-last>
  oam-ais-received-last
</oam-ais-received-last>
<oam-ais-transmitted-count>
  oam-ais-transmitted-count
</oam-ais-transmitted-count>
<oam-ais-transmitted-last>
  oam-ais-transmitted-last
</oam-ais-transmitted-last>
<oam-total-transmitted-count>
  oam-total-transmitted-count
</oam-total-transmitted-count>
<oam-total-received-count>
  oam-total-received-count
</oam-total-received-count>
<oam-total-transmitted-count-4>
  oam-total-transmitted-count-4
</oam-total-transmitted-count-4>
<oam-total-received-count-4>
  oam-total-received-count-4
</oam-total-received-count-4>
</oam-statistics>

```

**Description** Container tag for OAM statistics

## <oam-statistics>

### Usage

```

<virtual-circuit-information>
  <oam-statistics>
    <oam-loopback-received-count>
      oam-loopback-received-count
    </oam-loopback-received-count>
    <oam-loopback-received-last>
      oam-loopback-received-last

```

```
</oam-loopback-received-last>
<oam-loopback-transmitted-count>
  oam-loopback-transmitted-count
</oam-loopback-transmitted-count>
<oam-loopback-transmitted-last>
  oam-loopback-transmitted-last
</oam-loopback-transmitted-last>
<oam-rdi-received-count>
  oam-rdi-received-count
</oam-rdi-received-count>
<oam-rdi-received-last>
  oam-rdi-received-last
</oam-rdi-received-last>
<oam-rdi-transmitted-count>
  oam-rdi-transmitted-count
</oam-rdi-transmitted-count>
<oam-rdi-transmitted-last>
  oam-rdi-transmitted-last
</oam-rdi-transmitted-last>
<oam-ais-received-count>
  oam-ais-received-count
</oam-ais-received-count>
<oam-ais-received-last>
  oam-ais-received-last
</oam-ais-received-last>
<oam-ais-transmitted-count>
  oam-ais-transmitted-count
</oam-ais-transmitted-count>
<oam-ais-transmitted-last>
  oam-ais-transmitted-last
</oam-ais-transmitted-last>
<oam-total-transmitted-count>
  oam-total-transmitted-count
</oam-total-transmitted-count>
<oam-total-received-count>
  oam-total-received-count
</oam-total-received-count>
<oam-total-transmitted-count-4>
  oam-total-transmitted-count-4
</oam-total-transmitted-count-4>
<oam-total-received-count-4>
  oam-total-received-count-4
</oam-total-received-count-4>
</oam-statistics>
</virtual-circuit-information>
```

**Description**    Container tag for OAM statistics

### <oam-statistics>

#### Usage

```
<virtual-path-information>
  <oam-statistics>
    <oam-loopback-received-count>
```

```

    oam-loopback-received-count
  </oam-loopback-received-count>
  <oam-loopback-received-last>
    oam-loopback-received-last
  </oam-loopback-received-last>
  <oam-loopback-transmitted-count>
    oam-loopback-transmitted-count
  </oam-loopback-transmitted-count>
  <oam-loopback-transmitted-last>
    oam-loopback-transmitted-last
  </oam-loopback-transmitted-last>
  <oam-rdi-received-count>
    oam-rdi-received-count
  </oam-rdi-received-count>
  <oam-rdi-received-last>
    oam-rdi-received-last
  </oam-rdi-received-last>
  <oam-rdi-transmitted-count>
    oam-rdi-transmitted-count
  </oam-rdi-transmitted-count>
  <oam-rdi-transmitted-last>
    oam-rdi-transmitted-last
  </oam-rdi-transmitted-last>
  <oam-ais-received-count>
    oam-ais-received-count
  </oam-ais-received-count>
  <oam-ais-received-last>
    oam-ais-received-last
  </oam-ais-received-last>
  <oam-ais-transmitted-count>
    oam-ais-transmitted-count
  </oam-ais-transmitted-count>
  <oam-ais-transmitted-last>
    oam-ais-transmitted-last
  </oam-ais-transmitted-last>
  <oam-total-transmitted-count>
    oam-total-transmitted-count
  </oam-total-transmitted-count>
  <oam-total-received-count>
    oam-total-received-count
  </oam-total-received-count>
  <oam-total-transmitted-count-4>
    oam-total-transmitted-count-4
  </oam-total-transmitted-count-4>
  <oam-total-received-count-4>
    oam-total-received-count-4
  </oam-total-received-count-4>
</oam-statistics>
</virtual-path-information>

```

**Description** Container tag for OAM statistics

## &lt;oam-statistics&gt;

## Usage

```
<logical-interface>
<virtual-circuit-information>
  <oam-statistics>
    <oam-loopback-received-count>
      oam-loopback-received-count
    </oam-loopback-received-count>
    <oam-loopback-received-last>
      oam-loopback-received-last
    </oam-loopback-received-last>
    <oam-loopback-transmitted-count>
      oam-loopback-transmitted-count
    </oam-loopback-transmitted-count>
    <oam-loopback-transmitted-last>
      oam-loopback-transmitted-last
    </oam-loopback-transmitted-last>
    <oam-rdi-received-count>
      oam-rdi-received-count
    </oam-rdi-received-count>
    <oam-rdi-received-last>
      oam-rdi-received-last
    </oam-rdi-received-last>
    <oam-rdi-transmitted-count>
      oam-rdi-transmitted-count
    </oam-rdi-transmitted-count>
    <oam-rdi-transmitted-last>
      oam-rdi-transmitted-last
    </oam-rdi-transmitted-last>
    <oam-ais-received-count>
      oam-ais-received-count
    </oam-ais-received-count>
    <oam-ais-received-last>
      oam-ais-received-last
    </oam-ais-received-last>
    <oam-ais-transmitted-count>
      oam-ais-transmitted-count
    </oam-ais-transmitted-count>
    <oam-ais-transmitted-last>
      oam-ais-transmitted-last
    </oam-ais-transmitted-last>
    <oam-total-transmitted-count>
      oam-total-transmitted-count
    </oam-total-transmitted-count>
    <oam-total-received-count>
      oam-total-received-count
    </oam-total-received-count>
    <oam-total-transmitted-count-4>
      oam-total-transmitted-count-4
    </oam-total-transmitted-count-4>
    <oam-total-received-count-4>
      oam-total-received-count-4
    </oam-total-received-count-4>
  </oam-statistics>
```

```

    </virtual-circuit-information>
  </logical-interface>

```

**Description** Container tag for OAM statistics

## <oam-statistics>

### Usage

```

<physical-interface>
  <virtual-path-information>
    <oam-statistics>
      <oam-loopback-received-count>
        oam-loopback-received-count
      </oam-loopback-received-count>
      <oam-loopback-received-last>
        oam-loopback-received-last
      </oam-loopback-received-last>
      <oam-loopback-transmitted-count>
        oam-loopback-transmitted-count
      </oam-loopback-transmitted-count>
      <oam-loopback-transmitted-last>
        oam-loopback-transmitted-last
      </oam-loopback-transmitted-last>
      <oam-rdi-received-count>
        oam-rdi-received-count
      </oam-rdi-received-count>
      <oam-rdi-received-last>
        oam-rdi-received-last
      </oam-rdi-received-last>
      <oam-rdi-transmitted-count>
        oam-rdi-transmitted-count
      </oam-rdi-transmitted-count>
      <oam-rdi-transmitted-last>
        oam-rdi-transmitted-last
      </oam-rdi-transmitted-last>
      <oam-ais-received-count>
        oam-ais-received-count
      </oam-ais-received-count>
      <oam-ais-received-last>
        oam-ais-received-last
      </oam-ais-received-last>
      <oam-ais-transmitted-count>
        oam-ais-transmitted-count
      </oam-ais-transmitted-count>
      <oam-ais-transmitted-last>
        oam-ais-transmitted-last
      </oam-ais-transmitted-last>
      <oam-total-transmitted-count>
        oam-total-transmitted-count
      </oam-total-transmitted-count>
      <oam-total-received-count>
        oam-total-received-count
      </oam-total-received-count>
      <oam-total-transmitted-count-4>

```

```

        oam-total-transmitted-count-4
      </oam-total-transmitted-count-4>
      <oam-total-received-count-4>
        oam-total-received-count-4
      </oam-total-received-count-4>
    </oam-statistics>
  </virtual-path-information>
</physical-interface>

```

**Description** Container tag for OAM statistics

## <oam-statistics>

### Usage

```

<physical-interface>
<logical-interface>
<virtual-circuit-information>
  <oam-statistics>
    <oam-loopback-received-count>
      oam-loopback-received-count
    </oam-loopback-received-count>
    <oam-loopback-received-last>
      oam-loopback-received-last
    </oam-loopback-received-last>
    <oam-loopback-transmitted-count>
      oam-loopback-transmitted-count
    </oam-loopback-transmitted-count>
    <oam-loopback-transmitted-last>
      oam-loopback-transmitted-last
    </oam-loopback-transmitted-last>
    <oam-rdi-received-count>
      oam-rdi-received-count
    </oam-rdi-received-count>
    <oam-rdi-received-last>
      oam-rdi-received-last
    </oam-rdi-received-last>
    <oam-rdi-transmitted-count>
      oam-rdi-transmitted-count
    </oam-rdi-transmitted-count>
    <oam-rdi-transmitted-last>
      oam-rdi-transmitted-last
    </oam-rdi-transmitted-last>
    <oam-ais-received-count>
      oam-ais-received-count
    </oam-ais-received-count>
    <oam-ais-received-last>
      oam-ais-received-last
    </oam-ais-received-last>
    <oam-ais-transmitted-count>
      oam-ais-transmitted-count
    </oam-ais-transmitted-count>
    <oam-ais-transmitted-last>
      oam-ais-transmitted-last
    </oam-ais-transmitted-last>
  </oam-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>

```

```

<oam-total-transmitted-count>
  oam-total-transmitted-count
</oam-total-transmitted-count>
<oam-total-received-count>
  oam-total-received-count
</oam-total-received-count>
<oam-total-transmitted-count-4>
  oam-total-transmitted-count-4
</oam-total-transmitted-count-4>
<oam-total-received-count-4>
  oam-total-received-count-4
</oam-total-received-count-4>
</oam-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>

```

**Description** Container tag for OAM statistics

## <oam-statistics>

### Usage

```

<interface-information>
<physical-interface>
<virtual-path-information>
  <oam-statistics>
    <oam-loopback-received-count>
      oam-loopback-received-count
    </oam-loopback-received-count>
    <oam-loopback-received-last>
      oam-loopback-received-last
    </oam-loopback-received-last>
    <oam-loopback-transmitted-count>
      oam-loopback-transmitted-count
    </oam-loopback-transmitted-count>
    <oam-loopback-transmitted-last>
      oam-loopback-transmitted-last
    </oam-loopback-transmitted-last>
    <oam-rdi-received-count>
      oam-rdi-received-count
    </oam-rdi-received-count>
    <oam-rdi-received-last>
      oam-rdi-received-last
    </oam-rdi-received-last>
    <oam-rdi-transmitted-count>
      oam-rdi-transmitted-count
    </oam-rdi-transmitted-count>
    <oam-rdi-transmitted-last>
      oam-rdi-transmitted-last
    </oam-rdi-transmitted-last>
    <oam-ais-received-count>
      oam-ais-received-count
    </oam-ais-received-count>
    <oam-ais-received-last>

```

```

        oam-ais-received-last
      </oam-ais-received-last>
      <oam-ais-transmitted-count>
        oam-ais-transmitted-count
      </oam-ais-transmitted-count>
      <oam-ais-transmitted-last>
        oam-ais-transmitted-last
      </oam-ais-transmitted-last>
      <oam-total-transmitted-count>
        oam-total-transmitted-count
      </oam-total-transmitted-count>
      <oam-total-received-count>
        oam-total-received-count
      </oam-total-received-count>
      <oam-total-transmitted-count-4>
        oam-total-transmitted-count-4
      </oam-total-transmitted-count-4>
      <oam-total-received-count-4>
        oam-total-received-count-4
      </oam-total-received-count-4>
    </oam-statistics>
  </virtual-path-information>
</physical-interface>
</interface-information>

```

**Description** Container tag for OAM statistics

## <oam-statistics>

### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <oam-statistics>
          <oam-loopback-received-count>
            oam-loopback-received-count
          </oam-loopback-received-count>
          <oam-loopback-received-last>
            oam-loopback-received-last
          </oam-loopback-received-last>
          <oam-loopback-transmitted-count>
            oam-loopback-transmitted-count
          </oam-loopback-transmitted-count>
          <oam-loopback-transmitted-last>
            oam-loopback-transmitted-last
          </oam-loopback-transmitted-last>
          <oam-rdi-received-count>
            oam-rdi-received-count
          </oam-rdi-received-count>
          <oam-rdi-received-last>
            oam-rdi-received-last
          </oam-rdi-received-last>
          <oam-rdi-transmitted-count>

```



```

    oam-rdi-transmitted-count
  </oam-rdi-transmitted-count>
  <oam-rdi-transmitted-last>
    oam-rdi-transmitted-last
  </oam-rdi-transmitted-last>
  <oam-ais-received-count>
    oam-ais-received-count
  </oam-ais-received-count>
  <oam-ais-received-last>
    oam-ais-received-last
  </oam-ais-received-last>
  <oam-ais-transmitted-count>
    oam-ais-transmitted-count
  </oam-ais-transmitted-count>
  <oam-ais-transmitted-last>
    oam-ais-transmitted-last
  </oam-ais-transmitted-last>
  <oam-total-transmitted-count>
    oam-total-transmitted-count
  </oam-total-transmitted-count>
  <oam-total-received-count>
    oam-total-received-count
  </oam-total-received-count>
  <oam-total-transmitted-count-4>
    oam-total-transmitted-count-4
  </oam-total-transmitted-count-4>
  <oam-total-received-count-4>
    oam-total-received-count-4
  </oam-total-received-count-4>
</oam-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-information>

```

**Description** Container tag for OAM statistics

## <oam-statistics>

### Usage

```

<interface-information>
  <logical-interface>
    <virtual-circuit-information>
      <oam-statistics>
        <oam-loopback-received-count>
          oam-loopback-received-count
        </oam-loopback-received-count>
        <oam-loopback-received-last>
          oam-loopback-received-last
        </oam-loopback-received-last>
        <oam-loopback-transmitted-count>
          oam-loopback-transmitted-count
        </oam-loopback-transmitted-count>
        <oam-loopback-transmitted-last>

```

```
    oam-loopback-transmitted-last
  </oam-loopback-transmitted-last>
  <oam-rdi-received-count>
    oam-rdi-received-count
  </oam-rdi-received-count>
  <oam-rdi-received-last>
    oam-rdi-received-last
  </oam-rdi-received-last>
  <oam-rdi-transmitted-count>
    oam-rdi-transmitted-count
  </oam-rdi-transmitted-count>
  <oam-rdi-transmitted-last>
    oam-rdi-transmitted-last
  </oam-rdi-transmitted-last>
  <oam-ais-received-count>
    oam-ais-received-count
  </oam-ais-received-count>
  <oam-ais-received-last>
    oam-ais-received-last
  </oam-ais-received-last>
  <oam-ais-transmitted-count>
    oam-ais-transmitted-count
  </oam-ais-transmitted-count>
  <oam-ais-transmitted-last>
    oam-ais-transmitted-last
  </oam-ais-transmitted-last>
  <oam-total-transmitted-count>
    oam-total-transmitted-count
  </oam-total-transmitted-count>
  <oam-total-received-count>
    oam-total-received-count
  </oam-total-received-count>
  <oam-total-transmitted-count-4>
    oam-total-transmitted-count-4
  </oam-total-transmitted-count-4>
  <oam-total-received-count-4>
    oam-total-received-count-4
  </oam-total-received-count-4>
</oam-statistics>
</virtual-circuit-information>
</logical-interface>
</interface-information>
```

**Description** Container tag for OAM statistics

## <oam-statistics>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <virtual-path-information>
      <oam-statistics>
        <oam-loopback-received-count>
          oam-loopback-received-count
```

```

</oam-loopback-received-count>
<oam-loopback-received-last>
  oam-loopback-received-last
</oam-loopback-received-last>
<oam-loopback-transmitted-count>
  oam-loopback-transmitted-count
</oam-loopback-transmitted-count>
<oam-loopback-transmitted-last>
  oam-loopback-transmitted-last
</oam-loopback-transmitted-last>
<oam-rdi-received-count>
  oam-rdi-received-count
</oam-rdi-received-count>
<oam-rdi-received-last>
  oam-rdi-received-last
</oam-rdi-received-last>
<oam-rdi-transmitted-count>
  oam-rdi-transmitted-count
</oam-rdi-transmitted-count>
<oam-rdi-transmitted-last>
  oam-rdi-transmitted-last
</oam-rdi-transmitted-last>
<oam-ais-received-count>
  oam-ais-received-count
</oam-ais-received-count>
<oam-ais-received-last>
  oam-ais-received-last
</oam-ais-received-last>
<oam-ais-transmitted-count>
  oam-ais-transmitted-count
</oam-ais-transmitted-count>
<oam-ais-transmitted-last>
  oam-ais-transmitted-last
</oam-ais-transmitted-last>
<oam-total-transmitted-count>
  oam-total-transmitted-count
</oam-total-transmitted-count>
<oam-total-received-count>
  oam-total-received-count
</oam-total-received-count>
<oam-total-transmitted-count-4>
  oam-total-transmitted-count-4
</oam-total-transmitted-count-4>
<oam-total-received-count-4>
  oam-total-received-count-4
</oam-total-received-count-4>
</oam-statistics>
</virtual-path-information>
</physical-interface>
</interface-filter-information>

```

**Description** Container tag for OAM statistics

## <oam-statistics>

### Usage

```
<interface-filter-information>
<physical-interface>
<logical-interface>
<virtual-circuit-information>
  <oam-statistics>
    <oam-loopback-received-count>
      oam-loopback-received-count
    </oam-loopback-received-count>
    <oam-loopback-received-last>
      oam-loopback-received-last
    </oam-loopback-received-last>
    <oam-loopback-transmitted-count>
      oam-loopback-transmitted-count
    </oam-loopback-transmitted-count>
    <oam-loopback-transmitted-last>
      oam-loopback-transmitted-last
    </oam-loopback-transmitted-last>
    <oam-rdi-received-count>
      oam-rdi-received-count
    </oam-rdi-received-count>
    <oam-rdi-received-last>
      oam-rdi-received-last
    </oam-rdi-received-last>
    <oam-rdi-transmitted-count>
      oam-rdi-transmitted-count
    </oam-rdi-transmitted-count>
    <oam-rdi-transmitted-last>
      oam-rdi-transmitted-last
    </oam-rdi-transmitted-last>
    <oam-ais-received-count>
      oam-ais-received-count
    </oam-ais-received-count>
    <oam-ais-received-last>
      oam-ais-received-last
    </oam-ais-received-last>
    <oam-ais-transmitted-count>
      oam-ais-transmitted-count
    </oam-ais-transmitted-count>
    <oam-ais-transmitted-last>
      oam-ais-transmitted-last
    </oam-ais-transmitted-last>
    <oam-total-transmitted-count>
      oam-total-transmitted-count
    </oam-total-transmitted-count>
    <oam-total-received-count>
      oam-total-received-count
    </oam-total-received-count>
    <oam-total-transmitted-count-4>
      oam-total-transmitted-count-4
    </oam-total-transmitted-count-4>
    <oam-total-received-count-4>
      oam-total-received-count-4
```

```

        </oam-total-received-count-4>
      </oam-statistics>
    </virtual-circuit-information>
  </logical-interface>
</physical-interface>
</interface-filter-information>

```

**Description** Container tag for OAM statistics

## <oam-statistics>

### Usage

```

<interface-filter-information>
<logical-interface>
<virtual-circuit-information>
  <oam-statistics>
    <oam-loopback-received-count>
      oam-loopback-received-count
    </oam-loopback-received-count>
    <oam-loopback-received-last>
      oam-loopback-received-last
    </oam-loopback-received-last>
    <oam-loopback-transmitted-count>
      oam-loopback-transmitted-count
    </oam-loopback-transmitted-count>
    <oam-loopback-transmitted-last>
      oam-loopback-transmitted-last
    </oam-loopback-transmitted-last>
    <oam-rdi-received-count>
      oam-rdi-received-count
    </oam-rdi-received-count>
    <oam-rdi-received-last>
      oam-rdi-received-last
    </oam-rdi-received-last>
    <oam-rdi-transmitted-count>
      oam-rdi-transmitted-count
    </oam-rdi-transmitted-count>
    <oam-rdi-transmitted-last>
      oam-rdi-transmitted-last
    </oam-rdi-transmitted-last>
    <oam-ais-received-count>
      oam-ais-received-count
    </oam-ais-received-count>
    <oam-ais-received-last>
      oam-ais-received-last
    </oam-ais-received-last>
    <oam-ais-transmitted-count>
      oam-ais-transmitted-count
    </oam-ais-transmitted-count>
    <oam-ais-transmitted-last>
      oam-ais-transmitted-last
    </oam-ais-transmitted-last>
    <oam-total-transmitted-count>
      oam-total-transmitted-count

```

```

</oam-total-transmitted-count>
<oam-total-received-count>
  oam-total-received-count
</oam-total-received-count>
<oam-total-transmitted-count-4>
  oam-total-transmitted-count-4
</oam-total-transmitted-count-4>
<oam-total-received-count-4>
  oam-total-received-count-4
</oam-total-received-count-4>
</oam-statistics>
</virtual-circuit-information>
</logical-interface>
</interface-filter-information>

```

**Description** Container tag for OAM statistics

## <oam-statistics>

### Usage

```

<interface-policer-information>
<physical-interface>
<virtual-path-information>
  <oam-statistics>
    <oam-loopback-received-count>
      oam-loopback-received-count
    </oam-loopback-received-count>
    <oam-loopback-received-last>
      oam-loopback-received-last
    </oam-loopback-received-last>
    <oam-loopback-transmitted-count>
      oam-loopback-transmitted-count
    </oam-loopback-transmitted-count>
    <oam-loopback-transmitted-last>
      oam-loopback-transmitted-last
    </oam-loopback-transmitted-last>
    <oam-rdi-received-count>
      oam-rdi-received-count
    </oam-rdi-received-count>
    <oam-rdi-received-last>
      oam-rdi-received-last
    </oam-rdi-received-last>
    <oam-rdi-transmitted-count>
      oam-rdi-transmitted-count
    </oam-rdi-transmitted-count>
    <oam-rdi-transmitted-last>
      oam-rdi-transmitted-last
    </oam-rdi-transmitted-last>
    <oam-ais-received-count>
      oam-ais-received-count
    </oam-ais-received-count>
    <oam-ais-received-last>
      oam-ais-received-last
    </oam-ais-received-last>
  </oam-statistics>
</virtual-path-information>
</physical-interface>
</interface-policer-information>

```

```

<oam-ais-transmitted-count>
  oam-ais-transmitted-count
</oam-ais-transmitted-count>
<oam-ais-transmitted-last>
  oam-ais-transmitted-last
</oam-ais-transmitted-last>
<oam-total-transmitted-count>
  oam-total-transmitted-count
</oam-total-transmitted-count>
<oam-total-received-count>
  oam-total-received-count
</oam-total-received-count>
<oam-total-transmitted-count-4>
  oam-total-transmitted-count-4
</oam-total-transmitted-count-4>
<oam-total-received-count-4>
  oam-total-received-count-4
</oam-total-received-count-4>
</oam-statistics>
</virtual-path-information>
</physical-interface>
</interface-policer-information>

```

**Description** Container tag for OAM statistics

## <oam-statistics>

### Usage

```

<interface-policer-information>
<physical-interface>
<logical-interface>
  <virtual-circuit-information>
    <oam-statistics>
      <oam-loopback-received-count>
        oam-loopback-received-count
      </oam-loopback-received-count>
      <oam-loopback-received-last>
        oam-loopback-received-last
      </oam-loopback-received-last>
      <oam-loopback-transmitted-count>
        oam-loopback-transmitted-count
      </oam-loopback-transmitted-count>
      <oam-loopback-transmitted-last>
        oam-loopback-transmitted-last
      </oam-loopback-transmitted-last>
      <oam-rdi-received-count>
        oam-rdi-received-count
      </oam-rdi-received-count>
      <oam-rdi-received-last>
        oam-rdi-received-last
      </oam-rdi-received-last>
      <oam-rdi-transmitted-count>
        oam-rdi-transmitted-count
      </oam-rdi-transmitted-count>
    </oam-statistics>
  </virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

```
<oam-rdi-transmitted-last>
  oam-rdi-transmitted-last
</oam-rdi-transmitted-last>
<oam-ais-received-count>
  oam-ais-received-count
</oam-ais-received-count>
<oam-ais-received-last>
  oam-ais-received-last
</oam-ais-received-last>
<oam-ais-transmitted-count>
  oam-ais-transmitted-count
</oam-ais-transmitted-count>
<oam-ais-transmitted-last>
  oam-ais-transmitted-last
</oam-ais-transmitted-last>
<oam-total-transmitted-count>
  oam-total-transmitted-count
</oam-total-transmitted-count>
<oam-total-received-count>
  oam-total-received-count
</oam-total-received-count>
<oam-total-transmitted-count-4>
  oam-total-transmitted-count-4
</oam-total-transmitted-count-4>
<oam-total-received-count-4>
  oam-total-received-count-4
</oam-total-received-count-4>
</oam-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

**Description** Container tag for OAM statistics

## <oam-statistics>

### Usage

```
<interface-policer-information>
<logical-interface>
<virtual-circuit-information>
  <oam-statistics>
    <oam-loopback-received-count>
      oam-loopback-received-count
    </oam-loopback-received-count>
    <oam-loopback-received-last>
      oam-loopback-received-last
    </oam-loopback-received-last>
    <oam-loopback-transmitted-count>
      oam-loopback-transmitted-count
    </oam-loopback-transmitted-count>
    <oam-loopback-transmitted-last>
      oam-loopback-transmitted-last
    </oam-loopback-transmitted-last>
```



```

<oam-rdi-received-count>
  oam-rdi-received-count
</oam-rdi-received-count>
<oam-rdi-received-last>
  oam-rdi-received-last
</oam-rdi-received-last>
<oam-rdi-transmitted-count>
  oam-rdi-transmitted-count
</oam-rdi-transmitted-count>
<oam-rdi-transmitted-last>
  oam-rdi-transmitted-last
</oam-rdi-transmitted-last>
<oam-ais-received-count>
  oam-ais-received-count
</oam-ais-received-count>
<oam-ais-received-last>
  oam-ais-received-last
</oam-ais-received-last>
<oam-ais-transmitted-count>
  oam-ais-transmitted-count
</oam-ais-transmitted-count>
<oam-ais-transmitted-last>
  oam-ais-transmitted-last
</oam-ais-transmitted-last>
<oam-total-transmitted-count>
  oam-total-transmitted-count
</oam-total-transmitted-count>
<oam-total-received-count>
  oam-total-received-count
</oam-total-received-count>
<oam-total-transmitted-count-4>
  oam-total-transmitted-count-4
</oam-total-transmitted-count-4>
<oam-total-received-count-4>
  oam-total-received-count-4
</oam-total-received-count-4>
</oam-statistics>
</virtual-circuit-information>
</logical-interface>
</interface-policer-information>

```

**Description** Container tag for OAM statistics

## <optics-diagnostics>

### Usage

```

<optics-diagnostics>
  <optic-diagnostics-not-available>
    optic-diagnostics-not-available
  </optic-diagnostics-not-available>
  <laser-bias-current-not-available>
    laser-bias-current-not-available
  </laser-bias-current-not-available>
  <soa-bias-current-not-available>

```

```
    soa-bias-current-not-available
  </soa-bias-current-not-available>
  <laser-tx-power-not-available>
    laser-tx-power-not-available
  </laser-tx-power-not-available>
  <module-temperature-not-available>
    module-temperature-not-available
  </module-temperature-not-available>
  <laser-rx-power-not-available>
    laser-rx-power-not-available
  </laser-rx-power-not-available>
  <laser-bias-current>
    laser-bias-current
  </laser-bias-current>
  <laser-output-power>
    laser-output-power
  </laser-output-power>
  <laser-output-power-dbm>
    laser-output-power-dbm
  </laser-output-power-dbm>
  <module-temperature>
    module-temperature
  </module-temperature>
  <module-voltage>
    module-voltage
  </module-voltage>
  <soa-bias-current>
    soa-bias-current
  </soa-bias-current>
  <rx-signal-avg-optical-power>
    rx-signal-avg-optical-power
  </rx-signal-avg-optical-power>
  <rx-signal-avg-optical-power-dbm>
    rx-signal-avg-optical-power-dbm
  </rx-signal-avg-optical-power-dbm>
  <laser-rx-optical-power>
    laser-rx-optical-power
  </laser-rx-optical-power>
  <laser-rx-optical-power-dbm>
    laser-rx-optical-power-dbm
  </laser-rx-optical-power-dbm>
  <laser-bias-current-high-alarm>
    laser-bias-current-high-alarm
  </laser-bias-current-high-alarm>
  <laser-bias-current-low-alarm>
    laser-bias-current-low-alarm
  </laser-bias-current-low-alarm>
  <laser-bias-current-high-warn>
    laser-bias-current-high-warn
  </laser-bias-current-high-warn>
  <laser-bias-current-low-warn>
    laser-bias-current-low-warn
  </laser-bias-current-low-warn>
  <laser-tx-power-high-alarm>
    laser-tx-power-high-alarm
  </laser-tx-power-high-alarm>
```

```
<laser-tx-power-low-alarm>
  laser-tx-power-low-alarm
</laser-tx-power-low-alarm>
<laser-tx-power-high-warn>
  laser-tx-power-high-warn
</laser-tx-power-high-warn>
<laser-tx-power-low-warn>
  laser-tx-power-low-warn
</laser-tx-power-low-warn>
<laser-rx-power-high-alarm>
  laser-rx-power-high-alarm
</laser-rx-power-high-alarm>
<laser-rx-power-low-alarm>
  laser-rx-power-low-alarm
</laser-rx-power-low-alarm>
<laser-rx-power-high-warn>
  laser-rx-power-high-warn
</laser-rx-power-high-warn>
<laser-rx-power-low-warn>
  laser-rx-power-low-warn
</laser-rx-power-low-warn>
<tx-loss-of-signal-functionality-alarm>
  tx-loss-of-signal-functionality-alarm
</tx-loss-of-signal-functionality-alarm>
<tx-cdr-loss-of-lock-alarm>
  tx-cdr-loss-of-lock-alarm
</tx-cdr-loss-of-lock-alarm>
<rx-loss-of-signal-alarm>
  rx-loss-of-signal-alarm
</rx-loss-of-signal-alarm>
<rx-cdr-loss-of-lock-alarm>
  rx-cdr-loss-of-lock-alarm
</rx-cdr-loss-of-lock-alarm>
<apd-supply-fault-alarm>
  apd-supply-fault-alarm
</apd-supply-fault-alarm>
<tec-fault-alarm>
  tec-fault-alarm
</tec-fault-alarm>
<wavelength-unlocked-alarm>
  wavelength-unlocked-alarm
</wavelength-unlocked-alarm>
<module-voltage-high-alarm>
  module-voltage-high-alarm
</module-voltage-high-alarm>
<module-voltage-low-alarm>
  module-voltage-low-alarm
</module-voltage-low-alarm>
<module-voltage-high-warn>
  module-voltage-high-warn
</module-voltage-high-warn>
<module-voltage-low-warn>
  module-voltage-low-warn
</module-voltage-low-warn>
<module-temperature-high-alarm>
  module-temperature-high-alarm
```

```
</module-temperature-high-alarm>
<module-temperature-low-alarm>
  module-temperature-low-alarm
</module-temperature-low-alarm>
<module-temperature-high-warn>
  module-temperature-high-warn
</module-temperature-high-warn>
<module-temperature-low-warn>
  module-temperature-low-warn
</module-temperature-low-warn>
<soa-bias-current-high-alarm>
  soa-bias-current-high-alarm
</soa-bias-current-high-alarm>
<soa-bias-current-low-alarm>
  soa-bias-current-low-alarm
</soa-bias-current-low-alarm>
<soa-bias-current-high-warn>
  soa-bias-current-high-warn
</soa-bias-current-high-warn>
<soa-bias-current-low-warn>
  soa-bias-current-low-warn
</soa-bias-current-low-warn>
<laser-end-of-life-alarm>
  laser-end-of-life-alarm
</laser-end-of-life-alarm>
<laser-wavelength-alarm>
  laser-wavelength-alarm
</laser-wavelength-alarm>
<laser-bias-current-alarm>
  laser-bias-current-alarm
</laser-bias-current-alarm>
<module-temperature-alarm>
  module-temperature-alarm
</module-temperature-alarm>
<laser-power-alarm>
  laser-power-alarm
</laser-power-alarm>
<modulator-temperature-alarm>
  modulator-temperature-alarm
</modulator-temperature-alarm>
<modulator-bias-alarm>
  modulator-bias-alarm
</modulator-bias-alarm>
<module-not-ready-alarm>
  module-not-ready-alarm
</module-not-ready-alarm>
<module-power-down-alarm>
  module-power-down-alarm
</module-power-down-alarm>
<module-not-init-done-alarm>
  module-not-init-done-alarm
</module-not-init-done-alarm>
<module-not-high-power-on-alarm>
  module-not-high-power-on-alarm
</module-not-high-power-on-alarm>
<module-fault-alarm>
```

```
    module-fault-alarm
  </module-fault-alarm>
  <pld-flash-init-fault-alarm>
    pld-flash-init-fault-alarm
  </pld-flash-init-fault-alarm>
  <power-supply-fault-alarm>
    power-supply-fault-alarm
  </power-supply-fault-alarm>
  <checksum-fault-alarm>
    checksum-fault-alarm
  </checksum-fault-alarm>
  <tx-mux-fifo-error-alarm>
    tx-mux-fifo-error-alarm
  </tx-mux-fifo-error-alarm>
  <tx-loss-of-pll-alarm>
    tx-loss-of-pll-alarm
  </tx-loss-of-pll-alarm>
  <tx-data-not-ready-alarm>
    tx-data-not-ready-alarm
  </tx-data-not-ready-alarm>
  <tx-not-ready-alarm>
    tx-not-ready-alarm
  </tx-not-ready-alarm>
  <tx-laser-fault-alarm>
    tx-laser-fault-alarm
  </tx-laser-fault-alarm>
  <tx-laser-disabled-alarm>
    tx-laser-disabled-alarm
  </tx-laser-disabled-alarm>
  <rx-loss-avg-opt-power-alarm>
    rx-loss-avg-opt-power-alarm
  </rx-loss-avg-opt-power-alarm>
  <rx-loss-ac-power-alarm>
    rx-loss-ac-power-alarm
  </rx-loss-ac-power-alarm>
  <rx-loss-of-pll-alarm>
    rx-loss-of-pll-alarm
  </rx-loss-of-pll-alarm>
  <rx-not-ready-alarm>
    rx-not-ready-alarm
  </rx-not-ready-alarm>
  <module-voltage-high-alarm-threshold>
    module-voltage-high-alarm-threshold
  </module-voltage-high-alarm-threshold>
  <module-voltage-low-alarm-threshold>
    module-voltage-low-alarm-threshold
  </module-voltage-low-alarm-threshold>
  <module-voltage-high-warn-threshold>
    module-voltage-high-warn-threshold
  </module-voltage-high-warn-threshold>
  <module-voltage-low-warn-threshold>
    module-voltage-low-warn-threshold
  </module-voltage-low-warn-threshold>
  <laser-bias-current-high-alarm-threshold>
    laser-bias-current-high-alarm-threshold
  </laser-bias-current-high-alarm-threshold>
```

```
<laser-bias-current-low-alarm-threshold>
  laser-bias-current-low-alarm-threshold
</laser-bias-current-low-alarm-threshold>
<laser-bias-current-high-warn-threshold>
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  module-temperature-low-warn-threshold
```

```

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</optics-diagnostics>

```

**Description** Optics diagnostics

## <optics-diagnostics>

### Usage

```

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  <links>
    <link-entry>
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          optic-diagnostics-not-available
        </optic-diagnostics-not-available>
        <laser-bias-current-not-available>
          laser-bias-current-not-available

```

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</laser-tx-power-not-available>
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<laser-rx-power-not-available>
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  laser-output-power-dbm
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</module-temperature>
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  module-voltage
</module-voltage>
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  soa-bias-current
</soa-bias-current>
<rx-signal-avg-optical-power>
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  laser-rx-optical-power-dbm
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</laser-bias-current-low-alarm>
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<laser-bias-current-low-warn>
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</laser-bias-current-low-warn>
<laser-tx-power-high-alarm>
```



```
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    laser-tx-power-low-alarm
  </laser-tx-power-low-alarm>
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    laser-tx-power-high-warn
  </laser-tx-power-high-warn>
  <laser-tx-power-low-warn>
    laser-tx-power-low-warn
  </laser-tx-power-low-warn>
  <laser-rx-power-high-alarm>
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    laser-rx-power-high-warn
  </laser-rx-power-high-warn>
  <laser-rx-power-low-warn>
    laser-rx-power-low-warn
  </laser-rx-power-low-warn>
  <tx-loss-of-signal-functionality-alarm>
    tx-loss-of-signal-functionality-alarm
  </tx-loss-of-signal-functionality-alarm>
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    tx-cdr-loss-of-lock-alarm
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  <module-voltage-low-alarm>
    module-voltage-low-alarm
  </module-voltage-low-alarm>
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  <module-voltage-low-warn>
    module-voltage-low-warn
  </module-voltage-low-warn>
```

```
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</module-temperature-high-warn>
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</module-temperature-low-warn>
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</module-not-ready-alarm>
<module-power-down-alarm>
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</module-power-down-alarm>
<module-not-init-done-alarm>
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</module-not-init-done-alarm>
<module-not-high-power-on-alarm>
  module-not-high-power-on-alarm
```

```
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</module-fault-alarm>
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<power-supply-fault-alarm>
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<checksum-fault-alarm>
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</checksum-fault-alarm>
<tx-mux-fifo-error-alarm>
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```
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  </module-temperature-low-alarm-threshold>
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  </module-temperature-high-warn-threshold>
```

```

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  laser-rx-power-low-alarm-threshold-dbm
</laser-rx-power-low-alarm-threshold-dbm>
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  laser-rx-power-high-warn-threshold-dbm
</laser-rx-power-high-warn-threshold-dbm>
<laser-rx-power-low-warn-threshold-dbm>
  laser-rx-power-low-warn-threshold-dbm
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<optics-diagnostics-lane-values>....</optics-diagnostics-lane-values>
</optics-diagnostics>
</link-entry>
</links>
</physical-interface>

```

**Description**    Optics diagnostics

## <optics-diagnostics>

### Usage

```

<interface-information>
<physical-interface>
  <links>
    <link-entry>

```

```
<optics-diagnostics>
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    optic-diagnostics-not-available
  </optic-diagnostics-not-available>
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    laser-bias-current-not-available
  </laser-bias-current-not-available>
  <soa-bias-current-not-available>
    soa-bias-current-not-available
  </soa-bias-current-not-available>
  <laser-tx-power-not-available>
    laser-tx-power-not-available
  </laser-tx-power-not-available>
  <module-temperature-not-available>
    module-temperature-not-available
  </module-temperature-not-available>
  <laser-rx-power-not-available>
    laser-rx-power-not-available
  </laser-rx-power-not-available>
  <laser-bias-current>
    laser-bias-current
  </laser-bias-current>
  <laser-output-power>
    laser-output-power
  </laser-output-power>
  <laser-output-power-dbm>
    laser-output-power-dbm
  </laser-output-power-dbm>
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    module-temperature
  </module-temperature>
  <module-voltage>
    module-voltage
  </module-voltage>
  <soa-bias-current>
    soa-bias-current
  </soa-bias-current>
  <rx-signal-avg-optical-power>
    rx-signal-avg-optical-power
  </rx-signal-avg-optical-power>
  <rx-signal-avg-optical-power-dbm>
    rx-signal-avg-optical-power-dbm
  </rx-signal-avg-optical-power-dbm>
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    laser-rx-optical-power
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  <laser-rx-optical-power-dbm>
    laser-rx-optical-power-dbm
  </laser-rx-optical-power-dbm>
  <laser-bias-current-high-alarm>
    laser-bias-current-high-alarm
  </laser-bias-current-high-alarm>
  <laser-bias-current-low-alarm>
    laser-bias-current-low-alarm
  </laser-bias-current-low-alarm>
  <laser-bias-current-high-warn>
```

```
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  </laser-bias-current-high-warn>
  <laser-bias-current-low-warn>
    laser-bias-current-low-warn
  </laser-bias-current-low-warn>
  <laser-tx-power-high-alarm>
    laser-tx-power-high-alarm
  </laser-tx-power-high-alarm>
  <laser-tx-power-low-alarm>
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  <laser-tx-power-high-warn>
    laser-tx-power-high-warn
  </laser-tx-power-high-warn>
  <laser-tx-power-low-warn>
    laser-tx-power-low-warn
  </laser-tx-power-low-warn>
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    laser-rx-power-high-alarm
  </laser-rx-power-high-alarm>
  <laser-rx-power-low-alarm>
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    laser-rx-power-high-warn
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  <laser-rx-power-low-warn>
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  </laser-rx-power-low-warn>
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  </tx-loss-of-signal-functionality-alarm>
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    tx-cdr-loss-of-lock-alarm
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    rx-cdr-loss-of-lock-alarm
  </rx-cdr-loss-of-lock-alarm>
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    apd-supply-fault-alarm
  </apd-supply-fault-alarm>
  <tec-fault-alarm>
    tec-fault-alarm
  </tec-fault-alarm>
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    wavelength-unlocked-alarm
  </wavelength-unlocked-alarm>
  <module-voltage-high-alarm>
    module-voltage-high-alarm
  </module-voltage-high-alarm>
  <module-voltage-low-alarm>
    module-voltage-low-alarm
  </module-voltage-low-alarm>
```

```
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</module-voltage-low-warn>
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</module-temperature-high-warn>
<module-temperature-low-warn>
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</module-temperature-low-warn>
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</soa-bias-current-high-alarm>
<soa-bias-current-low-alarm>
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<soa-bias-current-high-warn>
  soa-bias-current-high-warn
</soa-bias-current-high-warn>
<soa-bias-current-low-warn>
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</optics-diagnostics>
</link-entry>
</links>
</physical-interface>
</interface-information>

```

**Description** Optics diagnostics

## <optics-diagnostics>

### Usage

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<physical-interface>
  <links>
    <link-entry>
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          laser-rx-optical-power-dbm
```

```
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```
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```

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  </laser-rx-power-high-alarm-threshold-dbm>
  <laser-rx-power-low-alarm-threshold-dbm>
    laser-rx-power-low-alarm-threshold-dbm
  </laser-rx-power-low-alarm-threshold-dbm>
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  <laser-rx-power-low-warn-threshold-dbm>
    laser-rx-power-low-warn-threshold-dbm
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  <optics-diagnostics-lane-values>....</optics-diagnostics-lane-values>
</optics-diagnostics>
</link-entry>

```

```
</links>
</physical-interface>
</interface-filter-information>
```

**Description**    Optics diagnostics

## <optics-diagnostics>

### Usage

```
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<physical-interface>
<links>
<link-entry>
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    optic-diagnostics-not-available
  </optic-diagnostics-not-available>
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    laser-bias-current-not-available
  </laser-bias-current-not-available>
  <soa-bias-current-not-available>
    soa-bias-current-not-available
  </soa-bias-current-not-available>
  <laser-tx-power-not-available>
    laser-tx-power-not-available
  </laser-tx-power-not-available>
  <module-temperature-not-available>
    module-temperature-not-available
  </module-temperature-not-available>
  <laser-rx-power-not-available>
    laser-rx-power-not-available
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  <laser-bias-current>
    laser-bias-current
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  <laser-output-power>
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  <soa-bias-current>
    soa-bias-current
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  <rx-signal-avg-optical-power>
    rx-signal-avg-optical-power
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```

```
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  </laser-rx-optical-power-dbm>
  <laser-bias-current-high-alarm>
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  </laser-bias-current-high-alarm>
  <laser-bias-current-low-alarm>
    laser-bias-current-low-alarm
  </laser-bias-current-low-alarm>
  <laser-bias-current-high-warn>
    laser-bias-current-high-warn
  </laser-bias-current-high-warn>
  <laser-bias-current-low-warn>
    laser-bias-current-low-warn
  </laser-bias-current-low-warn>
  <laser-tx-power-high-alarm>
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  </laser-tx-power-high-alarm>
  <laser-tx-power-low-alarm>
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  </laser-tx-power-low-alarm>
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    laser-tx-power-high-warn
  </laser-tx-power-high-warn>
  <laser-tx-power-low-warn>
    laser-tx-power-low-warn
  </laser-tx-power-low-warn>
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    laser-rx-power-high-alarm
  </laser-rx-power-high-alarm>
  <laser-rx-power-low-alarm>
    laser-rx-power-low-alarm
  </laser-rx-power-low-alarm>
  <laser-rx-power-high-warn>
    laser-rx-power-high-warn
  </laser-rx-power-high-warn>
  <laser-rx-power-low-warn>
    laser-rx-power-low-warn
  </laser-rx-power-low-warn>
  <tx-loss-of-signal-functionality-alarm>
    tx-loss-of-signal-functionality-alarm
  </tx-loss-of-signal-functionality-alarm>
  <tx-cdr-loss-of-lock-alarm>
    tx-cdr-loss-of-lock-alarm
  </tx-cdr-loss-of-lock-alarm>
  <rx-loss-of-signal-alarm>
    rx-loss-of-signal-alarm
  </rx-loss-of-signal-alarm>
  <rx-cdr-loss-of-lock-alarm>
    rx-cdr-loss-of-lock-alarm
  </rx-cdr-loss-of-lock-alarm>
```

```
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  apd-supply-fault-alarm
</apd-supply-fault-alarm>
<tec-fault-alarm>
  tec-fault-alarm
</tec-fault-alarm>
<wavelength-unlocked-alarm>
  wavelength-unlocked-alarm
</wavelength-unlocked-alarm>
<module-voltage-high-alarm>
  module-voltage-high-alarm
</module-voltage-high-alarm>
<module-voltage-low-alarm>
  module-voltage-low-alarm
</module-voltage-low-alarm>
<module-voltage-high-warn>
  module-voltage-high-warn
</module-voltage-high-warn>
<module-voltage-low-warn>
  module-voltage-low-warn
</module-voltage-low-warn>
<module-temperature-high-alarm>
  module-temperature-high-alarm
</module-temperature-high-alarm>
<module-temperature-low-alarm>
  module-temperature-low-alarm
</module-temperature-low-alarm>
<module-temperature-high-warn>
  module-temperature-high-warn
</module-temperature-high-warn>
<module-temperature-low-warn>
  module-temperature-low-warn
</module-temperature-low-warn>
<soa-bias-current-high-alarm>
  soa-bias-current-high-alarm
</soa-bias-current-high-alarm>
<soa-bias-current-low-alarm>
  soa-bias-current-low-alarm
</soa-bias-current-low-alarm>
<soa-bias-current-high-warn>
  soa-bias-current-high-warn
</soa-bias-current-high-warn>
<soa-bias-current-low-warn>
  soa-bias-current-low-warn
</soa-bias-current-low-warn>
<laser-end-of-life-alarm>
  laser-end-of-life-alarm
</laser-end-of-life-alarm>
<laser-wavelength-alarm>
  laser-wavelength-alarm
</laser-wavelength-alarm>
<laser-bias-current-alarm>
  laser-bias-current-alarm
</laser-bias-current-alarm>
<module-temperature-alarm>
  module-temperature-alarm
```

```
</module-temperature-alarm>
<laser-power-alarm>
  laser-power-alarm
</laser-power-alarm>
<modulator-temperature-alarm>
  modulator-temperature-alarm
</modulator-temperature-alarm>
<modulator-bias-alarm>
  modulator-bias-alarm
</modulator-bias-alarm>
<module-not-ready-alarm>
  module-not-ready-alarm
</module-not-ready-alarm>
<module-power-down-alarm>
  module-power-down-alarm
</module-power-down-alarm>
<module-not-init-done-alarm>
  module-not-init-done-alarm
</module-not-init-done-alarm>
<module-not-high-power-on-alarm>
  module-not-high-power-on-alarm
</module-not-high-power-on-alarm>
<module-fault-alarm>
  module-fault-alarm
</module-fault-alarm>
<pld-flash-init-fault-alarm>
  pld-flash-init-fault-alarm
</pld-flash-init-fault-alarm>
<power-supply-fault-alarm>
  power-supply-fault-alarm
</power-supply-fault-alarm>
<checksum-fault-alarm>
  checksum-fault-alarm
</checksum-fault-alarm>
<tx-mux-fifo-error-alarm>
  tx-mux-fifo-error-alarm
</tx-mux-fifo-error-alarm>
<tx-loss-of-pll-alarm>
  tx-loss-of-pll-alarm
</tx-loss-of-pll-alarm>
<tx-data-not-ready-alarm>
  tx-data-not-ready-alarm
</tx-data-not-ready-alarm>
<tx-not-ready-alarm>
  tx-not-ready-alarm
</tx-not-ready-alarm>
<tx-laser-fault-alarm>
  tx-laser-fault-alarm
</tx-laser-fault-alarm>
<tx-laser-disabled-alarm>
  tx-laser-disabled-alarm
</tx-laser-disabled-alarm>
<rx-loss-avg-opt-power-alarm>
  rx-loss-avg-opt-power-alarm
</rx-loss-avg-opt-power-alarm>
<rx-loss-ac-power-alarm>
```

```
    rx-loss-ac-power-alarm
  </rx-loss-ac-power-alarm>
  <rx-loss-of-pll-alarm>
    rx-loss-of-pll-alarm
  </rx-loss-of-pll-alarm>
  <rx-not-ready-alarm>
    rx-not-ready-alarm
  </rx-not-ready-alarm>
  <module-voltage-high-alarm-threshold>
    module-voltage-high-alarm-threshold
  </module-voltage-high-alarm-threshold>
  <module-voltage-low-alarm-threshold>
    module-voltage-low-alarm-threshold
  </module-voltage-low-alarm-threshold>
  <module-voltage-high-warn-threshold>
    module-voltage-high-warn-threshold
  </module-voltage-high-warn-threshold>
  <module-voltage-low-warn-threshold>
    module-voltage-low-warn-threshold
  </module-voltage-low-warn-threshold>
  <laser-bias-current-high-alarm-threshold>
    laser-bias-current-high-alarm-threshold
  </laser-bias-current-high-alarm-threshold>
  <laser-bias-current-low-alarm-threshold>
    laser-bias-current-low-alarm-threshold
  </laser-bias-current-low-alarm-threshold>
  <laser-bias-current-high-warn-threshold>
    laser-bias-current-high-warn-threshold
  </laser-bias-current-high-warn-threshold>
  <laser-bias-current-low-warn-threshold>
    laser-bias-current-low-warn-threshold
  </laser-bias-current-low-warn-threshold>
  <soa-bias-current-high-alarm-threshold>
    soa-bias-current-high-alarm-threshold
  </soa-bias-current-high-alarm-threshold>
  <soa-bias-current-low-alarm-threshold>
    soa-bias-current-low-alarm-threshold
  </soa-bias-current-low-alarm-threshold>
  <soa-bias-current-high-warn-threshold>
    soa-bias-current-high-warn-threshold
  </soa-bias-current-high-warn-threshold>
  <soa-bias-current-low-warn-threshold>
    soa-bias-current-low-warn-threshold
  </soa-bias-current-low-warn-threshold>
  <laser-tx-power-high-alarm-threshold>
    laser-tx-power-high-alarm-threshold
  </laser-tx-power-high-alarm-threshold>
  <laser-tx-power-low-alarm-threshold>
    laser-tx-power-low-alarm-threshold
  </laser-tx-power-low-alarm-threshold>
  <laser-tx-power-high-warn-threshold>
    laser-tx-power-high-warn-threshold
  </laser-tx-power-high-warn-threshold>
  <laser-tx-power-low-warn-threshold>
    laser-tx-power-low-warn-threshold
  </laser-tx-power-low-warn-threshold>
```

```
<laser-tx-power-high-alarm-threshold-dbm>
  laser-tx-power-high-alarm-threshold-dbm
</laser-tx-power-high-alarm-threshold-dbm>
<laser-tx-power-low-alarm-threshold-dbm>
  laser-tx-power-low-alarm-threshold-dbm
</laser-tx-power-low-alarm-threshold-dbm>
<laser-tx-power-high-warn-threshold-dbm>
  laser-tx-power-high-warn-threshold-dbm
</laser-tx-power-high-warn-threshold-dbm>
<laser-tx-power-low-warn-threshold-dbm>
  laser-tx-power-low-warn-threshold-dbm
</laser-tx-power-low-warn-threshold-dbm>
<module-temperature-high-alarm-threshold>
  module-temperature-high-alarm-threshold
</module-temperature-high-alarm-threshold>
<module-temperature-low-alarm-threshold>
  module-temperature-low-alarm-threshold
</module-temperature-low-alarm-threshold>
<module-temperature-high-warn-threshold>
  module-temperature-high-warn-threshold
</module-temperature-high-warn-threshold>
<module-temperature-low-warn-threshold>
  module-temperature-low-warn-threshold
</module-temperature-low-warn-threshold>
<laser-temperature-high-alarm-threshold>
  laser-temperature-high-alarm-threshold
</laser-temperature-high-alarm-threshold>
<laser-temperature-low-alarm-threshold>
  laser-temperature-low-alarm-threshold
</laser-temperature-low-alarm-threshold>
<laser-temperature-high-warn-threshold>
  laser-temperature-high-warn-threshold
</laser-temperature-high-warn-threshold>
<laser-temperature-low-warn-threshold>
  laser-temperature-low-warn-threshold
</laser-temperature-low-warn-threshold>
<laser-rx-power-high-alarm-threshold>
  laser-rx-power-high-alarm-threshold
</laser-rx-power-high-alarm-threshold>
<laser-rx-power-low-alarm-threshold>
  laser-rx-power-low-alarm-threshold
</laser-rx-power-low-alarm-threshold>
<laser-rx-power-high-warn-threshold>
  laser-rx-power-high-warn-threshold
</laser-rx-power-high-warn-threshold>
<laser-rx-power-low-warn-threshold>
  laser-rx-power-low-warn-threshold
</laser-rx-power-low-warn-threshold>
<laser-rx-power-high-alarm-threshold-dbm>
  laser-rx-power-high-alarm-threshold-dbm
</laser-rx-power-high-alarm-threshold-dbm>
<laser-rx-power-low-alarm-threshold-dbm>
  laser-rx-power-low-alarm-threshold-dbm
</laser-rx-power-low-alarm-threshold-dbm>
<laser-rx-power-high-warn-threshold-dbm>
  laser-rx-power-high-warn-threshold-dbm
```

```
</laser-rx-power-high-warn-threshold-dbm>
<laser-rx-power-low-warn-threshold-dbm>
  laser-rx-power-low-warn-threshold-dbm
</laser-rx-power-low-warn-threshold-dbm>
<optics-diagnostics-lane-values>....</optics-diagnostics-lane-values>
</optics-diagnostics>
</link-entry>
</links>
</physical-interface>
</interface-policer-information>
```

**Description**    Optics diagnostics

### <optics-diagnostics-lane-values>

#### Usage

```
<optics-diagnostics-lane-values>
<lane-index>
  lane-index
</lane-index>
<laser-bias-current>
  laser-bias-current
</laser-bias-current>
<laser-output-power>
  laser-output-power
</laser-output-power>
<laser-output-power-dbm>
  laser-output-power-dbm
</laser-output-power-dbm>
<laser-temperature>
  laser-temperature
</laser-temperature>
<laser-rx-optical-power>
  laser-rx-optical-power
</laser-rx-optical-power>
<laser-rx-optical-power-dbm>
  laser-rx-optical-power-dbm
</laser-rx-optical-power-dbm>
<laser-bias-current-high-alarm>
  laser-bias-current-high-alarm
</laser-bias-current-high-alarm>
<laser-bias-current-low-alarm>
  laser-bias-current-low-alarm
</laser-bias-current-low-alarm>
<laser-bias-current-high-warn>
  laser-bias-current-high-warn
</laser-bias-current-high-warn>
<laser-bias-current-low-warn>
  laser-bias-current-low-warn
</laser-bias-current-low-warn>
<laser-tx-power-high-alarm>
  laser-tx-power-high-alarm
</laser-tx-power-high-alarm>
<laser-tx-power-low-alarm>
```



```
    laser-tx-power-low-alarm
  </laser-tx-power-low-alarm>
  <laser-tx-power-high-warn>
    laser-tx-power-high-warn
  </laser-tx-power-high-warn>
  <laser-tx-power-low-warn>
    laser-tx-power-low-warn
  </laser-tx-power-low-warn>
  <laser-temp-high-alarm>
    laser-temp-high-alarm
  </laser-temp-high-alarm>
  <laser-temp-low-alarm>
    laser-temp-low-alarm
  </laser-temp-low-alarm>
  <laser-temp-high-warn>
    laser-temp-high-warn
  </laser-temp-high-warn>
  <laser-temp-low-warn>
    laser-temp-low-warn
  </laser-temp-low-warn>
  <laser-rx-power-high-alarm>
    laser-rx-power-high-alarm
  </laser-rx-power-high-alarm>
  <laser-rx-power-low-alarm>
    laser-rx-power-low-alarm
  </laser-rx-power-low-alarm>
  <laser-rx-power-high-warn>
    laser-rx-power-high-warn
  </laser-rx-power-high-warn>
  <laser-rx-power-low-warn>
    laser-rx-power-low-warn
  </laser-rx-power-low-warn>
  <tec-fault-alarm>
    tec-fault-alarm
  </tec-fault-alarm>
  <wavelength-unlocked-alarm>
    wavelength-unlocked-alarm
  </wavelength-unlocked-alarm>
  <apd-supply-fault-alarm>
    apd-supply-fault-alarm
  </apd-supply-fault-alarm>
  <tx-loss-of-signal-functionality-alarm>
    tx-loss-of-signal-functionality-alarm
  </tx-loss-of-signal-functionality-alarm>
  <tx-cdr-loss-of-lock-alarm>
    tx-cdr-loss-of-lock-alarm
  </tx-cdr-loss-of-lock-alarm>
  <rx-loss-of-signal-alarm>
    rx-loss-of-signal-alarm
  </rx-loss-of-signal-alarm>
  <rx-cdr-loss-of-lock-alarm>
    rx-cdr-loss-of-lock-alarm
  </rx-cdr-loss-of-lock-alarm>
</optics-diagnostics-lane-values>
```

## Description

### <optics-diagnostics-lane-values>

#### Usage

```
<optics-diagnostics>
  <optics-diagnostics-lane-values>
    <lane-index>
      lane-index
    </lane-index>
    <laser-bias-current>
      laser-bias-current
    </laser-bias-current>
    <laser-output-power>
      laser-output-power
    </laser-output-power>
    <laser-output-power-dbm>
      laser-output-power-dbm
    </laser-output-power-dbm>
    <laser-temperature>
      laser-temperature
    </laser-temperature>
    <laser-rx-optical-power>
      laser-rx-optical-power
    </laser-rx-optical-power>
    <laser-rx-optical-power-dbm>
      laser-rx-optical-power-dbm
    </laser-rx-optical-power-dbm>
    <laser-bias-current-high-alarm>
      laser-bias-current-high-alarm
    </laser-bias-current-high-alarm>
    <laser-bias-current-low-alarm>
      laser-bias-current-low-alarm
    </laser-bias-current-low-alarm>
    <laser-bias-current-high-warn>
      laser-bias-current-high-warn
    </laser-bias-current-high-warn>
    <laser-bias-current-low-warn>
      laser-bias-current-low-warn
    </laser-bias-current-low-warn>
    <laser-tx-power-high-alarm>
      laser-tx-power-high-alarm
    </laser-tx-power-high-alarm>
    <laser-tx-power-low-alarm>
      laser-tx-power-low-alarm
    </laser-tx-power-low-alarm>
    <laser-tx-power-high-warn>
      laser-tx-power-high-warn
    </laser-tx-power-high-warn>
    <laser-tx-power-low-warn>
      laser-tx-power-low-warn
    </laser-tx-power-low-warn>
    <laser-temp-high-alarm>
      laser-temp-high-alarm
    </laser-temp-high-alarm>
    <laser-temp-low-alarm>
```

```

    laser-temp-low-alarm
  </laser-temp-low-alarm>
  <laser-temp-high-warn>
    laser-temp-high-warn
  </laser-temp-high-warn>
  <laser-temp-low-warn>
    laser-temp-low-warn
  </laser-temp-low-warn>
  <laser-rx-power-high-alarm>
    laser-rx-power-high-alarm
  </laser-rx-power-high-alarm>
  <laser-rx-power-low-alarm>
    laser-rx-power-low-alarm
  </laser-rx-power-low-alarm>
  <laser-rx-power-high-warn>
    laser-rx-power-high-warn
  </laser-rx-power-high-warn>
  <laser-rx-power-low-warn>
    laser-rx-power-low-warn
  </laser-rx-power-low-warn>
  <tec-fault-alarm>
    tec-fault-alarm
  </tec-fault-alarm>
  <wavelength-unlocked-alarm>
    wavelength-unlocked-alarm
  </wavelength-unlocked-alarm>
  <apd-supply-fault-alarm>
    apd-supply-fault-alarm
  </apd-supply-fault-alarm>
  <tx-loss-of-signal-functionality-alarm>
    tx-loss-of-signal-functionality-alarm
  </tx-loss-of-signal-functionality-alarm>
  <tx-cdr-loss-of-lock-alarm>
    tx-cdr-loss-of-lock-alarm
  </tx-cdr-loss-of-lock-alarm>
  <rx-loss-of-signal-alarm>
    rx-loss-of-signal-alarm
  </rx-loss-of-signal-alarm>
  <rx-cdr-loss-of-lock-alarm>
    rx-cdr-loss-of-lock-alarm
  </rx-cdr-loss-of-lock-alarm>
</optics-diagnostics-lane-values>
</optics-diagnostics>

```

#### Description

<optics-diagnostics-lane-values>

#### Usage

```

<physical-interface>
  <links>
    <link-entry>
      <optics-diagnostics>
        <optics-diagnostics-lane-values>
          <lane-index>

```

```
    lane-index
  </lane-index>
  <laser-bias-current>
    laser-bias-current
  </laser-bias-current>
  <laser-output-power>
    laser-output-power
  </laser-output-power>
  <laser-output-power-dbm>
    laser-output-power-dbm
  </laser-output-power-dbm>
  <laser-temperature>
    laser-temperature
  </laser-temperature>
  <laser-rx-optical-power>
    laser-rx-optical-power
  </laser-rx-optical-power>
  <laser-rx-optical-power-dbm>
    laser-rx-optical-power-dbm
  </laser-rx-optical-power-dbm>
  <laser-bias-current-high-alarm>
    laser-bias-current-high-alarm
  </laser-bias-current-high-alarm>
  <laser-bias-current-low-alarm>
    laser-bias-current-low-alarm
  </laser-bias-current-low-alarm>
  <laser-bias-current-high-warn>
    laser-bias-current-high-warn
  </laser-bias-current-high-warn>
  <laser-bias-current-low-warn>
    laser-bias-current-low-warn
  </laser-bias-current-low-warn>
  <laser-tx-power-high-alarm>
    laser-tx-power-high-alarm
  </laser-tx-power-high-alarm>
  <laser-tx-power-low-alarm>
    laser-tx-power-low-alarm
  </laser-tx-power-low-alarm>
  <laser-tx-power-high-warn>
    laser-tx-power-high-warn
  </laser-tx-power-high-warn>
  <laser-tx-power-low-warn>
    laser-tx-power-low-warn
  </laser-tx-power-low-warn>
  <laser-temp-high-alarm>
    laser-temp-high-alarm
  </laser-temp-high-alarm>
  <laser-temp-low-alarm>
    laser-temp-low-alarm
  </laser-temp-low-alarm>
  <laser-temp-high-warn>
    laser-temp-high-warn
  </laser-temp-high-warn>
  <laser-temp-low-warn>
    laser-temp-low-warn
  </laser-temp-low-warn>
```

```

<laser-rx-power-high-alarm>
  laser-rx-power-high-alarm
</laser-rx-power-high-alarm>
<laser-rx-power-low-alarm>
  laser-rx-power-low-alarm
</laser-rx-power-low-alarm>
<laser-rx-power-high-warn>
  laser-rx-power-high-warn
</laser-rx-power-high-warn>
<laser-rx-power-low-warn>
  laser-rx-power-low-warn
</laser-rx-power-low-warn>
<tec-fault-alarm>
  tec-fault-alarm
</tec-fault-alarm>
<wavelength-unlocked-alarm>
  wavelength-unlocked-alarm
</wavelength-unlocked-alarm>
<apd-supply-fault-alarm>
  apd-supply-fault-alarm
</apd-supply-fault-alarm>
<tx-loss-of-signal-functionality-alarm>
  tx-loss-of-signal-functionality-alarm
</tx-loss-of-signal-functionality-alarm>
<tx-cdr-loss-of-lock-alarm>
  tx-cdr-loss-of-lock-alarm
</tx-cdr-loss-of-lock-alarm>
<rx-loss-of-signal-alarm>
  rx-loss-of-signal-alarm
</rx-loss-of-signal-alarm>
<rx-cdr-loss-of-lock-alarm>
  rx-cdr-loss-of-lock-alarm
</rx-cdr-loss-of-lock-alarm>
</optics-diagnostics-lane-values>
</optics-diagnostics>
</link-entry>
</links>
</physical-interface>

```

## Description

### <optics-diagnostics-lane-values>

#### Usage

```

<interface-information>
  <physical-interface>
    <links>
      <link-entry>
        <optics-diagnostics>
          <optics-diagnostics-lane-values>
            <lane-index>
              lane-index
            </lane-index>
            <laser-bias-current>
              laser-bias-current

```

```
</laser-bias-current>
<laser-output-power>
  laser-output-power
</laser-output-power>
<laser-output-power-dbm>
  laser-output-power-dbm
</laser-output-power-dbm>
<laser-temperature>
  laser-temperature
</laser-temperature>
<laser-rx-optical-power>
  laser-rx-optical-power
</laser-rx-optical-power>
<laser-rx-optical-power-dbm>
  laser-rx-optical-power-dbm
</laser-rx-optical-power-dbm>
<laser-bias-current-high-alarm>
  laser-bias-current-high-alarm
</laser-bias-current-high-alarm>
<laser-bias-current-low-alarm>
  laser-bias-current-low-alarm
</laser-bias-current-low-alarm>
<laser-bias-current-high-warn>
  laser-bias-current-high-warn
</laser-bias-current-high-warn>
<laser-bias-current-low-warn>
  laser-bias-current-low-warn
</laser-bias-current-low-warn>
<laser-tx-power-high-alarm>
  laser-tx-power-high-alarm
</laser-tx-power-high-alarm>
<laser-tx-power-low-alarm>
  laser-tx-power-low-alarm
</laser-tx-power-low-alarm>
<laser-tx-power-high-warn>
  laser-tx-power-high-warn
</laser-tx-power-high-warn>
<laser-tx-power-low-warn>
  laser-tx-power-low-warn
</laser-tx-power-low-warn>
<laser-temp-high-alarm>
  laser-temp-high-alarm
</laser-temp-high-alarm>
<laser-temp-low-alarm>
  laser-temp-low-alarm
</laser-temp-low-alarm>
<laser-temp-high-warn>
  laser-temp-high-warn
</laser-temp-high-warn>
<laser-temp-low-warn>
  laser-temp-low-warn
</laser-temp-low-warn>
<laser-rx-power-high-alarm>
  laser-rx-power-high-alarm
</laser-rx-power-high-alarm>
<laser-rx-power-low-alarm>
```

```

        laser-rx-power-low-alarm
      </laser-rx-power-low-alarm>
      <laser-rx-power-high-warn>
        laser-rx-power-high-warn
      </laser-rx-power-high-warn>
      <laser-rx-power-low-warn>
        laser-rx-power-low-warn
      </laser-rx-power-low-warn>
      <tec-fault-alarm>
        tec-fault-alarm
      </tec-fault-alarm>
      <wavelength-unlocked-alarm>
        wavelength-unlocked-alarm
      </wavelength-unlocked-alarm>
      <apd-supply-fault-alarm>
        apd-supply-fault-alarm
      </apd-supply-fault-alarm>
      <tx-loss-of-signal-functionality-alarm>
        tx-loss-of-signal-functionality-alarm
      </tx-loss-of-signal-functionality-alarm>
      <tx-cdr-loss-of-lock-alarm>
        tx-cdr-loss-of-lock-alarm
      </tx-cdr-loss-of-lock-alarm>
      <rx-loss-of-signal-alarm>
        rx-loss-of-signal-alarm
      </rx-loss-of-signal-alarm>
      <rx-cdr-loss-of-lock-alarm>
        rx-cdr-loss-of-lock-alarm
      </rx-cdr-loss-of-lock-alarm>
    </optics-diagnostics-lane-values>
  </optics-diagnostics>
</link-entry>
</links>
</physical-interface>
</interface-information>

```

## Description

### <optics-diagnostics-lane-values>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <links>
      <link-entry>
        <optics-diagnostics>
          <optics-diagnostics-lane-values>
            <lane-index>
              lane-index
            </lane-index>
            <laser-bias-current>
              laser-bias-current
            </laser-bias-current>
            <laser-output-power>
              laser-output-power
            </laser-output-power>
          </optics-diagnostics-lane-values>
        </optics-diagnostics>
      </link-entry>
    </links>
  </physical-interface>
</interface-filter-information>

```

```
</laser-output-power>
<laser-output-power-dbm>
  laser-output-power-dbm
</laser-output-power-dbm>
<laser-temperature>
  laser-temperature
</laser-temperature>
<laser-rx-optical-power>
  laser-rx-optical-power
</laser-rx-optical-power>
<laser-rx-optical-power-dbm>
  laser-rx-optical-power-dbm
</laser-rx-optical-power-dbm>
<laser-bias-current-high-alarm>
  laser-bias-current-high-alarm
</laser-bias-current-high-alarm>
<laser-bias-current-low-alarm>
  laser-bias-current-low-alarm
</laser-bias-current-low-alarm>
<laser-bias-current-high-warn>
  laser-bias-current-high-warn
</laser-bias-current-high-warn>
<laser-bias-current-low-warn>
  laser-bias-current-low-warn
</laser-bias-current-low-warn>
<laser-tx-power-high-alarm>
  laser-tx-power-high-alarm
</laser-tx-power-high-alarm>
<laser-tx-power-low-alarm>
  laser-tx-power-low-alarm
</laser-tx-power-low-alarm>
<laser-tx-power-high-warn>
  laser-tx-power-high-warn
</laser-tx-power-high-warn>
<laser-tx-power-low-warn>
  laser-tx-power-low-warn
</laser-tx-power-low-warn>
<laser-temp-high-alarm>
  laser-temp-high-alarm
</laser-temp-high-alarm>
<laser-temp-low-alarm>
  laser-temp-low-alarm
</laser-temp-low-alarm>
<laser-temp-high-warn>
  laser-temp-high-warn
</laser-temp-high-warn>
<laser-temp-low-warn>
  laser-temp-low-warn
</laser-temp-low-warn>
<laser-rx-power-high-alarm>
  laser-rx-power-high-alarm
</laser-rx-power-high-alarm>
<laser-rx-power-low-alarm>
  laser-rx-power-low-alarm
</laser-rx-power-low-alarm>
<laser-rx-power-high-warn>
```



```

        laser-rx-power-high-warn
      </laser-rx-power-high-warn>
      <laser-rx-power-low-warn>
        laser-rx-power-low-warn
      </laser-rx-power-low-warn>
      <tec-fault-alarm>
        tec-fault-alarm
      </tec-fault-alarm>
      <wavelength-unlocked-alarm>
        wavelength-unlocked-alarm
      </wavelength-unlocked-alarm>
      <apd-supply-fault-alarm>
        apd-supply-fault-alarm
      </apd-supply-fault-alarm>
      <tx-loss-of-signal-functionality-alarm>
        tx-loss-of-signal-functionality-alarm
      </tx-loss-of-signal-functionality-alarm>
      <tx-cdr-loss-of-lock-alarm>
        tx-cdr-loss-of-lock-alarm
      </tx-cdr-loss-of-lock-alarm>
      <rx-loss-of-signal-alarm>
        rx-loss-of-signal-alarm
      </rx-loss-of-signal-alarm>
      <rx-cdr-loss-of-lock-alarm>
        rx-cdr-loss-of-lock-alarm
      </rx-cdr-loss-of-lock-alarm>
    </optics-diagnostics-lane-values>
  </optics-diagnostics>
</link-entry>
</links>
</physical-interface>
</interface-filter-information>

```

## Description

### <optics-diagnostics-lane-values>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <links>
      <link-entry>
        <optics-diagnostics>
          <optics-diagnostics-lane-values>
            <lane-index>
              lane-index
            </lane-index>
            <laser-bias-current>
              laser-bias-current
            </laser-bias-current>
            <laser-output-power>
              laser-output-power
            </laser-output-power>
            <laser-output-power-dbm>
              laser-output-power-dbm
            </laser-output-power-dbm>
          </optics-diagnostics-lane-values>
        </optics-diagnostics>
      </link-entry>
    </links>
  </physical-interface>
</interface-policer-information>

```

```
</laser-output-power-dbm>
<laser-temperature>
  laser-temperature
</laser-temperature>
<laser-rx-optical-power>
  laser-rx-optical-power
</laser-rx-optical-power>
<laser-rx-optical-power-dbm>
  laser-rx-optical-power-dbm
</laser-rx-optical-power-dbm>
<laser-bias-current-high-alarm>
  laser-bias-current-high-alarm
</laser-bias-current-high-alarm>
<laser-bias-current-low-alarm>
  laser-bias-current-low-alarm
</laser-bias-current-low-alarm>
<laser-bias-current-high-warn>
  laser-bias-current-high-warn
</laser-bias-current-high-warn>
<laser-bias-current-low-warn>
  laser-bias-current-low-warn
</laser-bias-current-low-warn>
<laser-tx-power-high-alarm>
  laser-tx-power-high-alarm
</laser-tx-power-high-alarm>
<laser-tx-power-low-alarm>
  laser-tx-power-low-alarm
</laser-tx-power-low-alarm>
<laser-tx-power-high-warn>
  laser-tx-power-high-warn
</laser-tx-power-high-warn>
<laser-tx-power-low-warn>
  laser-tx-power-low-warn
</laser-tx-power-low-warn>
<laser-temp-high-alarm>
  laser-temp-high-alarm
</laser-temp-high-alarm>
<laser-temp-low-alarm>
  laser-temp-low-alarm
</laser-temp-low-alarm>
<laser-temp-high-warn>
  laser-temp-high-warn
</laser-temp-high-warn>
<laser-temp-low-warn>
  laser-temp-low-warn
</laser-temp-low-warn>
<laser-rx-power-high-alarm>
  laser-rx-power-high-alarm
</laser-rx-power-high-alarm>
<laser-rx-power-low-alarm>
  laser-rx-power-low-alarm
</laser-rx-power-low-alarm>
<laser-rx-power-high-warn>
  laser-rx-power-high-warn
</laser-rx-power-high-warn>
<laser-rx-power-low-warn>
```

```

        laser-rx-power-low-warn
      </laser-rx-power-low-warn>
    <tec-fault-alarm>
      tec-fault-alarm
    </tec-fault-alarm>
    <wavelength-unlocked-alarm>
      wavelength-unlocked-alarm
    </wavelength-unlocked-alarm>
    <apd-supply-fault-alarm>
      apd-supply-fault-alarm
    </apd-supply-fault-alarm>
    <tx-loss-of-signal-functionality-alarm>
      tx-loss-of-signal-functionality-alarm
    </tx-loss-of-signal-functionality-alarm>
    <tx-cdr-loss-of-lock-alarm>
      tx-cdr-loss-of-lock-alarm
    </tx-cdr-loss-of-lock-alarm>
    <rx-loss-of-signal-alarm>
      rx-loss-of-signal-alarm
    </rx-loss-of-signal-alarm>
    <rx-cdr-loss-of-lock-alarm>
      rx-cdr-loss-of-lock-alarm
    </rx-cdr-loss-of-lock-alarm>
  </optics-diagnostics-lane-values>
</optics-diagnostics>
</link-entry>
</links>
</physical-interface>
</interface-policer-information>

```

#### Description

### <optics-properties>

#### Usage

```

<optics-properties>
  <wavelength>
    wavelength
  </wavelength>
  <frequency>
    frequency
  </frequency>
</optics-properties>

```

**Description**    Optics properties

### <optics-properties>

#### Usage

```

<physical-interface>
  <optics-properties>
    <wavelength>
      wavelength
    
```

```
</wavelength>
<frequency>
  frequency
</frequency>
</optics-properties>
</physical-interface>
```

**Description** Optics properties

### <optics-properties>

#### Usage

```
<interface-information>
  <physical-interface>
    <optics-properties>
      <wavelength>
        wavelength
      </wavelength>
      <frequency>
        frequency
      </frequency>
    </optics-properties>
  </physical-interface>
</interface-information>
```

**Description** Optics properties

### <optics-properties>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <optics-properties>
      <wavelength>
        wavelength
      </wavelength>
      <frequency>
        frequency
      </frequency>
    </optics-properties>
  </physical-interface>
</interface-filter-information>
```

**Description** Optics properties

### <optics-properties>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <optics-properties>
```

```

    <wavelength>
      wavelength
    </wavelength>
    <frequency>
      frequency
    </frequency>
  </optics-properties>
</physical-interface>
</interface-policer-information>

```

**Description** Optics properties

### <otn-errors>

#### Usage

```

<otn-errors>
  <media-alarm>....</media-alarm>
</otn-errors>

```

#### Description

### <otn-errors>

#### Usage

```

<physical-interface>
  <otn-errors>
    <media-alarm>....</media-alarm>
  </otn-errors>
</physical-interface>

```

#### Description

### <otn-errors>

#### Usage

```

<interface-information>
  <physical-interface>
    <otn-errors>
      <media-alarm>....</media-alarm>
    </otn-errors>
  </physical-interface>
</interface-information>

```

#### Description

### <otn-errors>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <otn-errors>

```

```
<media-alarm>....</media-alarm>
</otn-errors>
</physical-interface>
</interface-filter-information>
```

**Description****<otn-errors>****Usage**

```
<interface-policer-information>
<physical-interface>
  <otn-errors>
    <media-alarm>....</media-alarm>
  </otn-errors>
</physical-interface>
</interface-policer-information>
```

**Description****<otn-fec-alarms>****Usage**

```
<otn-fec-alarms>
  <media-alarm>....</media-alarm>
</otn-fec-alarms>
```

**Description** OTN degraded and excessive FEC error rates

**<otn-fec-alarms>****Usage**

```
<physical-interface>
  <otn-fec-alarms>
    <media-alarm>....</media-alarm>
  </otn-fec-alarms>
</physical-interface>
```

**Description** OTN degraded and excessive FEC error rates

**<otn-fec-alarms>****Usage**

```
<interface-information>
  <physical-interface>
    <otn-fec-alarms>
      <media-alarm>....</media-alarm>
    </otn-fec-alarms>
  </physical-interface>
</interface-information>
```

**Description** OTN degraded and excessive FEC error rates

### <otn-fec-alarms>

**Usage**

```
<interface-filter-information>
  <physical-interface>
    <otn-fec-alarms>
      <media-alarm>....</media-alarm>
    </otn-fec-alarms>
  </physical-interface>
</interface-filter-information>
```

**Description** OTN degraded and excessive FEC error rates

### <otn-fec-alarms>

**Usage**

```
<interface-policer-information>
  <physical-interface>
    <otn-fec-alarms>
      <media-alarm>....</media-alarm>
    </otn-fec-alarms>
  </physical-interface>
</interface-policer-information>
```

**Description** OTN degraded and excessive FEC error rates

### <otn-fec-mode>

**Usage**

```
<otn-fec-mode>
  <fec-mode>
    fec-mode
  </fec-mode>
</otn-fec-mode>
```

**Description**

### <otn-fec-mode>

**Usage**

```
<physical-interface>
  <otn-fec-mode>
    <fec-mode>
      fec-mode
    </fec-mode>
  </otn-fec-mode>
</physical-interface>
```

**Description****<otn-fec-mode>****Usage**

```
<interface-information>  
  <physical-interface>  
    <otn-fec-mode>  
      <fec-mode>  
        fec-mode  
      </fec-mode>  
    </otn-fec-mode>  
  </physical-interface>  
</interface-information>
```

**Description****<otn-fec-mode>****Usage**

```
<interface-filter-information>  
  <physical-interface>  
    <otn-fec-mode>  
      <fec-mode>  
        fec-mode  
      </fec-mode>  
    </otn-fec-mode>  
  </physical-interface>  
</interface-filter-information>
```

**Description****<otn-fec-mode>****Usage**

```
<interface-policer-information>  
  <physical-interface>  
    <otn-fec-mode>  
      <fec-mode>  
        fec-mode  
      </fec-mode>  
    </otn-fec-mode>  
  </physical-interface>  
</interface-policer-information>
```

**Description****<otn-fec-statistics>****Usage**

```
<otn-fec-statistics>  
  <fec-corrected-errors>  
    fec-corrected-errors
```



```

    </fec-corrected-errors>
    <fec-valid-time>
      fec-valid-time
    </fec-valid-time>
    <fec-corrected-error-ratio>
      fec-corrected-error-ratio
    </fec-corrected-error-ratio>
  </otn-fec-statistics>

```

#### Description

**<otn-fec-statistics>**

#### Usage

```

<physical-interface>
  <otn-fec-statistics>
    <fec-corrected-errors>
      fec-corrected-errors
    </fec-corrected-errors>
    <fec-valid-time>
      fec-valid-time
    </fec-valid-time>
    <fec-corrected-error-ratio>
      fec-corrected-error-ratio
    </fec-corrected-error-ratio>
  </otn-fec-statistics>
</physical-interface>

```

#### Description

**<otn-fec-statistics>**

#### Usage

```

<interface-information>
  <physical-interface>
    <otn-fec-statistics>
      <fec-corrected-errors>
        fec-corrected-errors
      </fec-corrected-errors>
      <fec-valid-time>
        fec-valid-time
      </fec-valid-time>
      <fec-corrected-error-ratio>
        fec-corrected-error-ratio
      </fec-corrected-error-ratio>
    </otn-fec-statistics>
  </physical-interface>
</interface-information>

```

#### Description

## <otn-fec-statistics>

### Usage

```
<interface-filter-information>
<physical-interface>
  <otn-fec-statistics>
    <fec-corrected-errors>
      fec-corrected-errors
    </fec-corrected-errors>
    <fec-valid-time>
      fec-valid-time
    </fec-valid-time>
    <fec-corrected-error-ratio>
      fec-corrected-error-ratio
    </fec-corrected-error-ratio>
  </otn-fec-statistics>
</physical-interface>
</interface-filter-information>
```

### Description

## <otn-fec-statistics>

### Usage

```
<interface-policer-information>
<physical-interface>
  <otn-fec-statistics>
    <fec-corrected-errors>
      fec-corrected-errors
    </fec-corrected-errors>
    <fec-valid-time>
      fec-valid-time
    </fec-valid-time>
    <fec-corrected-error-ratio>
      fec-corrected-error-ratio
    </fec-corrected-error-ratio>
  </otn-fec-statistics>
</physical-interface>
</interface-policer-information>
```

### Description

## <otn-oc-information>

### Usage

```
<otn-oc-information>
  <media-alarm>....</media-alarm>
</otn-oc-information>
```

### Description

**<otn-oc-information>****Usage**

```
<physical-interface>
  <otn-oc-information>
    <media-alarm>....</media-alarm>
  </otn-oc-information>
</physical-interface>
```

**Description****<otn-oc-information>****Usage**

```
<interface-information>
  <physical-interface>
    <otn-oc-information>
      <media-alarm>....</media-alarm>
    </otn-oc-information>
  </physical-interface>
</interface-information>
```

**Description****<otn-oc-information>****Usage**

```
<interface-filter-information>
  <physical-interface>
    <otn-oc-information>
      <media-alarm>....</media-alarm>
    </otn-oc-information>
  </physical-interface>
</interface-filter-information>
```

**Description****<otn-oc-information>****Usage**

```
<interface-policer-information>
  <physical-interface>
    <otn-oc-information>
      <media-alarm>....</media-alarm>
    </otn-oc-information>
  </physical-interface>
</interface-policer-information>
```

**Description**

**<otn-odu-information>****Usage**

```
<otn-odu-information>
  <media-alarm>....</media-alarm>
</otn-odu-information>
```

**Description****<otn-odu-information>****Usage**

```
<physical-interface>
  <otn-odu-information>
    <media-alarm>....</media-alarm>
  </otn-odu-information>
</physical-interface>
```

**Description****<otn-odu-information>****Usage**

```
<interface-information>
  <physical-interface>
    <otn-odu-information>
      <media-alarm>....</media-alarm>
    </otn-odu-information>
  </physical-interface>
</interface-information>
```

**Description****<otn-odu-information>****Usage**

```
<interface-filter-information>
  <physical-interface>
    <otn-odu-information>
      <media-alarm>....</media-alarm>
    </otn-odu-information>
  </physical-interface>
</interface-filter-information>
```

**Description****<otn-odu-information>****Usage**

```
<interface-policer-information>
  <physical-interface>
    <otn-odu-information>
```

```

    <media-alarm>....</media-alarm>
  </otn-odu-information>
</physical-interface>
</interface-policer-information>

```

**Description****<otn-otn-loopback>****Usage**

```

<otn-otn-loopback>
  <otn-loopback>
    otn-loopback
  </otn-loopback>
</otn-otn-loopback>

```

**Description****<otn-otn-loopback>****Usage**

```

<physical-interface>
  <otn-otn-loopback>
    <otn-loopback>
      otn-loopback
    </otn-loopback>
  </otn-otn-loopback>
</physical-interface>

```

**Description****<otn-otn-loopback>****Usage**

```

<interface-information>
  <physical-interface>
    <otn-otn-loopback>
      <otn-loopback>
        otn-loopback
      </otn-loopback>
    </otn-otn-loopback>
  </physical-interface>
</interface-information>

```

**Description****<otn-otn-loopback>****Usage**

```

<interface-filter-information>
  <physical-interface>
    <otn-otn-loopback>

```

```
<otn-loopback>
  otn-loopback
</otn-loopback>
</otn-otn-loopback>
</physical-interface>
</interface-filter-information>
```

#### Description

### <otn-otn-loopback>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <otn-otn-loopback>
    <otn-loopback>
      otn-loopback
    </otn-loopback>
  </otn-otn-loopback>
</physical-interface>
</interface-policer-information>
```

#### Description

### <otn-otn-mode>

#### Usage

```
<otn-otn-mode>
<otn-mode>
  otn-mode
</otn-mode>
</otn-otn-mode>
```

#### Description

### <otn-otn-mode>

#### Usage

```
<physical-interface>
  <otn-otn-mode>
    <otn-mode>
      otn-mode
    </otn-mode>
  </otn-otn-mode>
</physical-interface>
```

#### Description

### <otn-otn-mode>

#### Usage

```
<interface-information>
```

```

<physical-interface>
  <otn-otn-mode>
    <otn-mode>
      otn-mode
    </otn-mode>
  </otn-otn-mode>
</physical-interface>
</interface-information>

```

#### Description

#### <otn-otn-mode>

##### Usage

```

<interface-filter-information>
  <physical-interface>
    <otn-otn-mode>
      <otn-mode>
        otn-mode
      </otn-mode>
    </otn-otn-mode>
  </physical-interface>
</interface-filter-information>

```

#### Description

#### <otn-otn-mode>

##### Usage

```

<interface-policer-information>
  <physical-interface>
    <otn-otn-mode>
      <otn-mode>
        otn-mode
      </otn-mode>
    </otn-otn-mode>
  </physical-interface>
</interface-policer-information>

```

#### Description

#### <otn-otn-rate>

##### Usage

```

<otn-otn-rate>
  <otn-rate>
    otn-rate
  </otn-rate>
</otn-otn-rate>

```

#### Description

## <otn-otn-rate>

### Usage

```
<physical-interface>
  <otn-otn-rate>
    <otn-rate>
      otn-rate
    </otn-rate>
  </otn-otn-rate>
</physical-interface>
```

### Description

## <otn-otn-rate>

### Usage

```
<interface-information>
  <physical-interface>
    <otn-otn-rate>
      <otn-rate>
        otn-rate
      </otn-rate>
    </otn-otn-rate>
  </physical-interface>
</interface-information>
```

### Description

## <otn-otn-rate>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <otn-otn-rate>
      <otn-rate>
        otn-rate
      </otn-rate>
    </otn-otn-rate>
  </physical-interface>
</interface-filter-information>
```

### Description

## <otn-otn-rate>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <otn-otn-rate>
      <otn-rate>
        otn-rate
      </otn-rate>
    </otn-otn-rate>
  </physical-interface>
```



```
</otn-otn-rate>
</physical-interface>
</interface-policer-information>
```

**Description****<otn-otu-information>****Usage**

```
<otn-otu-information>
  <media-alarm>....</media-alarm>
</otn-otu-information>
```

**Description****<otn-otu-information>****Usage**

```
<physical-interface>
  <otn-otu-information>
    <media-alarm>....</media-alarm>
  </otn-otu-information>
</physical-interface>
```

**Description****<otn-otu-information>****Usage**

```
<interface-information>
  <physical-interface>
    <otn-otu-information>
      <media-alarm>....</media-alarm>
    </otn-otu-information>
  </physical-interface>
</interface-information>
```

**Description****<otn-otu-information>****Usage**

```
<interface-filter-information>
  <physical-interface>
    <otn-otu-information>
      <media-alarm>....</media-alarm>
    </otn-otu-information>
  </physical-interface>
</interface-filter-information>
```

**Description**

## <otn-otu-information>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <otn-otu-information>
      <media-alarm>....</media-alarm>
    </otn-otu-information>
  </physical-interface>
</interface-policer-information>
```

### Description

## <output-error-list>

### Usage

```
<output-error-list>
  <carrier-transitions>
    carrier-transitions
  </carrier-transitions>
  <output-errors>
    output-errors
  </output-errors>
  <output-drops>
    output-drops
  </output-drops>
  <output-collisions>
    output-collisions
  </output-collisions>
  <output-hs-link-fifo-overflows>
    output-hs-link-fifo-overflows
  </output-hs-link-fifo-overflows>
  <aged-packets>
    aged-packets
  </aged-packets>
  <output-fifo-errors>
    output-fifo-errors
  </output-fifo-errors>
  <hs-link-fifo-underflows>
    hs-link-fifo-underflows
  </hs-link-fifo-underflows>
  <hs-link-crc-errors>
    hs-link-crc-errors
  </hs-link-crc-errors>
  <mtu-errors>
    mtu-errors
  </mtu-errors>
  <output-resource-errors>
    output-resource-errors
  </output-resource-errors>
</output-error-list>
```

**Description**    Output errors on this interface

**<output-error-list>****Usage**

```

<physical-interface>
  <output-error-list>
    <carrier-transitions>
      carrier-transitions
    </carrier-transitions>
    <output-errors>
      output-errors
    </output-errors>
    <output-drops>
      output-drops
    </output-drops>
    <output-collisions>
      output-collisions
    </output-collisions>
    <output-hs-link-fifo-overflows>
      output-hs-link-fifo-overflows
    </output-hs-link-fifo-overflows>
    <aged-packets>
      aged-packets
    </aged-packets>
    <output-fifo-errors>
      output-fifo-errors
    </output-fifo-errors>
    <hs-link-fifo-underflows>
      hs-link-fifo-underflows
    </hs-link-fifo-underflows>
    <hs-link-crc-errors>
      hs-link-crc-errors
    </hs-link-crc-errors>
    <mtu-errors>
      mtu-errors
    </mtu-errors>
    <output-resource-errors>
      output-resource-errors
    </output-resource-errors>
  </output-error-list>
</physical-interface>

```

**Description**    Output errors on this interface

**<output-error-list>****Usage**

```

<interface-information>
  <physical-interface>
    <output-error-list>
      <carrier-transitions>
        carrier-transitions
      </carrier-transitions>
      <output-errors>

```

```
    output-errors
  </output-errors>
  <output-drops>
    output-drops
  </output-drops>
  <output-collisions>
    output-collisions
  </output-collisions>
  <output-hs-link-fifo-overflows>
    output-hs-link-fifo-overflows
  </output-hs-link-fifo-overflows>
  <aged-packets>
    aged-packets
  </aged-packets>
  <output-fifo-errors>
    output-fifo-errors
  </output-fifo-errors>
  <hs-link-fifo-underflows>
    hs-link-fifo-underflows
  </hs-link-fifo-underflows>
  <hs-link-crc-errors>
    hs-link-crc-errors
  </hs-link-crc-errors>
  <mtu-errors>
    mtu-errors
  </mtu-errors>
  <output-resource-errors>
    output-resource-errors
  </output-resource-errors>
</output-error-list>
</physical-interface>
</interface-information>
```

**Description**    Output errors on this interface

### <output-error-list>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <output-error-list>
    <carrier-transitions>
      carrier-transitions
    </carrier-transitions>
    <output-errors>
      output-errors
    </output-errors>
    <output-drops>
      output-drops
    </output-drops>
    <output-collisions>
      output-collisions
    </output-collisions>
    <output-hs-link-fifo-overflows>
```

```

    output-hs-link-fifo-overflows
  </output-hs-link-fifo-overflows>
  <aged-packets>
    aged-packets
  </aged-packets>
  <output-fifo-errors>
    output-fifo-errors
  </output-fifo-errors>
  <hs-link-fifo-underflows>
    hs-link-fifo-underflows
  </hs-link-fifo-underflows>
  <hs-link-crc-errors>
    hs-link-crc-errors
  </hs-link-crc-errors>
  <mtu-errors>
    mtu-errors
  </mtu-errors>
  <output-resource-errors>
    output-resource-errors
  </output-resource-errors>
</output-error-list>
</physical-interface>
</interface-filter-information>

```

**Description** Output errors on this interface

## <output-error-list>

### Usage

```

<interface-policer-information>
  <physical-interface>
    <output-error-list>
      <carrier-transitions>
        carrier-transitions
      </carrier-transitions>
      <output-errors>
        output-errors
      </output-errors>
      <output-drops>
        output-drops
      </output-drops>
      <output-collisions>
        output-collisions
      </output-collisions>
      <output-hs-link-fifo-overflows>
        output-hs-link-fifo-overflows
      </output-hs-link-fifo-overflows>
      <aged-packets>
        aged-packets
      </aged-packets>
      <output-fifo-errors>
        output-fifo-errors
      </output-fifo-errors>
      <hs-link-fifo-underflows>

```

```
    hs-link-fifo-underflows
  </hs-link-fifo-underflows>
  <hs-link-crc-errors>
    hs-link-crc-errors
  </hs-link-crc-errors>
  <mtu-errors>
    mtu-errors
  </mtu-errors>
  <output-resource-errors>
    output-resource-errors
  </output-resource-errors>
</output-error-list>
</physical-interface>
</interface-policer-information>
```

**Description** Output errors on this interface

### <peer-configuration-status>

#### Usage

```
<peer-configuration-status>
  <peer-nonmatching-dlci>
    peer-nonmatching-dlci
  </peer-nonmatching-dlci>
</peer-configuration-status>
```

**Description** Nonmatching DCE end DLCIs

### <peer-configuration-status>

#### Usage

```
<physical-interface>
  <peer-configuration-status>
    <peer-nonmatching-dlci>
      peer-nonmatching-dlci
    </peer-nonmatching-dlci>
  </peer-configuration-status>
</physical-interface>
```

**Description** Nonmatching DCE end DLCIs

### <peer-configuration-status>

#### Usage

```
<interface-information>
  <physical-interface>
    <peer-configuration-status>
      <peer-nonmatching-dlci>
        peer-nonmatching-dlci
      </peer-nonmatching-dlci>
    </peer-configuration-status>
  </physical-interface>
</interface-information>
```

```

    </physical-interface>
  </interface-information>

```

**Description** Nonmatching DCE end DLCIs

### <peer-configuration-status>

#### Usage

```

    <interface-filter-information>
      <physical-interface>
        <peer-configuration-status>
          <peer-nonmatching-dlci>
            peer-nonmatching-dlci
          </peer-nonmatching-dlci>
        </peer-configuration-status>
      </physical-interface>
    </interface-filter-information>

```

**Description** Nonmatching DCE end DLCIs

### <peer-configuration-status>

#### Usage

```

    <interface-policer-information>
      <physical-interface>
        <peer-configuration-status>
          <peer-nonmatching-dlci>
            peer-nonmatching-dlci
          </peer-nonmatching-dlci>
        </peer-configuration-status>
      </physical-interface>
    </interface-policer-information>

```

**Description** Nonmatching DCE end DLCIs

### <pfe-information>

#### Usage

```

    <pfe-information>
      <destination-slot>
        destination-slot
      </destination-slot>
      <destination-mask>
        destination-mask
      </destination-mask>
      <stream-number>
        stream-number
      </stream-number>
      <stream-mask>
        stream-mask
      </stream-mask>
    </pfe-information>

```

```
<plp-byte>
  plp-byte
</plp-byte>
<plp-byte-count>
  plp-byte-count
</plp-byte-count>
<pop-all-label>
  pop-all-label
</pop-all-label>
</pfe-information>
```

**Description** Information about Packet Forwarding Engine configuration

### <pfe-information>

#### Usage

```
<physical-interface>
  <pfe-information>
    <destination-slot>
      destination-slot
    </destination-slot>
    <destination-mask>
      destination-mask
    </destination-mask>
    <stream-number>
      stream-number
    </stream-number>
    <stream-mask>
      stream-mask
    </stream-mask>
    <plp-byte>
      plp-byte
    </plp-byte>
    <plp-byte-count>
      plp-byte-count
    </plp-byte-count>
    <pop-all-label>
      pop-all-label
    </pop-all-label>
  </pfe-information>
</physical-interface>
```

**Description** Information about Packet Forwarding Engine configuration

### <pfe-information>

#### Usage

```
<interface-information>
  <physical-interface>
    <pfe-information>
      <destination-slot>
        destination-slot
```



```

</destination-slot>
<destination-mask>
  destination-mask
</destination-mask>
<stream-number>
  stream-number
</stream-number>
<stream-mask>
  stream-mask
</stream-mask>
<plp-byte>
  plp-byte
</plp-byte>
<plp-byte-count>
  plp-byte-count
</plp-byte-count>
<pop-all-label>
  pop-all-label
</pop-all-label>
</pfe-information>
</physical-interface>
</interface-information>

```

**Description** Information about Packet Forwarding Engine configuration

### <pfe-information>

#### Usage

```

<interface-filter-information>
<physical-interface>
  <pfe-information>
    <destination-slot>
      destination-slot
    </destination-slot>
    <destination-mask>
      destination-mask
    </destination-mask>
    <stream-number>
      stream-number
    </stream-number>
    <stream-mask>
      stream-mask
    </stream-mask>
    <plp-byte>
      plp-byte
    </plp-byte>
    <plp-byte-count>
      plp-byte-count
    </plp-byte-count>
    <pop-all-label>
      pop-all-label
    </pop-all-label>
  </pfe-information>
</physical-interface>

```

</interface-filter-information>

**Description** Information about Packet Forwarding Engine configuration

### <pfe-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <pfe-information>
      <destination-slot>
        destination-slot
      </destination-slot>
      <destination-mask>
        destination-mask
      </destination-mask>
      <stream-number>
        stream-number
      </stream-number>
      <stream-mask>
        stream-mask
      </stream-mask>
      <plp-byte>
        plp-byte
      </plp-byte>
      <plp-byte-count>
        plp-byte-count
      </plp-byte-count>
      <pop-all-label>
        pop-all-label
      </pop-all-label>
    </pfe-information>
  </physical-interface>
</interface-policer-information>
```

**Description** Information about Packet Forwarding Engine configuration

### <physical-interface>

#### Usage

```
<physical-interface>
  <name>
    name
  </name>
  <mc-ae-status>
    mc-ae-status
  </mc-ae-status>
  <admin-status>
    admin-status
  </admin-status>
  <oper-status>
    oper-status
  </oper-status>
```

```
</oper-status>
<local-index>
  local-index
</local-index>
<snmp-index>
  snmp-index
</snmp-index>
<generation>
  generation
</generation>
<description>
  description
</description>
<if-type>
  if-type
</if-type>
<link-level-type>
  link-level-type
</link-level-type>
<mtu>
  mtu
</mtu>
<link-mode>
  link-mode
</link-mode>
<mac-mode>
  mac-mode
</mac-mode>
<speed>
  speed
</speed>
<max-speed>
  max-speed
</max-speed>
<duplex>
  duplex
</duplex>
<clocking>
  clocking
</clocking>
<sonet-mode>
  sonet-mode
</sonet-mode>
<physical-mode>
  physical-mode
</physical-mode>
<l2circuit-mode>
  l2circuit-mode
</l2circuit-mode>
<ifd-cell-bundle-size>
  ifd-cell-bundle-size
</ifd-cell-bundle-size>
<ifd-cell-bundle-timeout>
  ifd-cell-bundle-timeout
</ifd-cell-bundle-timeout>
<loopback>
```

```
    loopback
  </loopback>
  <ih-parent>
    ih-parent
  </ih-parent>
  <atm-line-build-out>
    atm-line-build-out
  </atm-line-build-out>
  <atm-encapsulation>
    atm-encapsulation
  </atm-encapsulation>
  <atm-e3-framing>
    atm-e3-framing
  </atm-e3-framing>
  <sonet-loopback>
    sonet-loopback
  </sonet-loopback>
  <crc>
    crc
  </crc>
  <payload-scrambler>
    payload-scrambler
  </payload-scrambler>
  <ingress-rate-limit>
    ingress-rate-limit
  </ingress-rate-limit>
  <source-filtering>
    source-filtering
  </source-filtering>
  <if-flow-control>
    if-flow-control
  </if-flow-control>
  <bpdu-error>
    bpdu-error
  </bpdu-error>
  <l2pt-error>
    l2pt-error
  </l2pt-error>
  <if-unidirectional>
    if-unidirectional
  </if-unidirectional>
  <if-auto-negotiation>
    if-auto-negotiation
  </if-auto-negotiation>
  <if-remote-fault>
    if-remote-fault
  </if-remote-fault>
  <if-speed-auto-negotiation>
    if-speed-auto-negotiation
  </if-speed-auto-negotiation>
  <if-auto-mdix>
    if-auto-mdix
  </if-auto-mdix>
  <minimum-links-in-aggregate>
    minimum-links-in-aggregate
  </minimum-links-in-aggregate>
```

```

<minimum-bandwidth-in-aggregate>
  minimum-bandwidth-in-aggregate
</minimum-bandwidth-in-aggregate>
<if-device-flags>....</if-device-flags>
<if-config-flags>....</if-config-flags>
<shared-interface-physical-interface>....</shared-interface-physical-interface>
<link-type>
  link-type
</link-type>
<if-media-flags>....</if-media-flags>
<optics-properties>....</optics-properties>
<keepalive-config>....</keepalive-config>
<lmi-dce-config>....</lmi-dce-config>
<lmi-dte-config>....</lmi-dte-config>
<queue-counters>....</queue-counters>
<keepalive-statistics>....</keepalive-statistics>
<ppp-flags>....</ppp-flags>
<lcp-state>
  lcp-state
</lcp-state>
<ncp-information>....</ncp-information>
<chap-state>
  chap-state
</chap-state>
<pap-state>
  pap-state
</pap-state>
<physical-information>
  physical-information
</physical-information>
<es-ifd-stats>....</es-ifd-stats>
<up-hold-time>
  up-hold-time
</up-hold-time>
<down-hold-time>
  down-hold-time
</down-hold-time>
<current-physical-address>
  current-physical-address
</current-physical-address>
<hardware-physical-address>
  hardware-physical-address
</hardware-physical-address>
<alternate-physical-address>
  alternate-physical-address
</alternate-physical-address>
<interface-flapped>
  interface-flapped
</interface-flapped>
<statistics-cleared>
  statistics-cleared
</statistics-cleared>
<preserve-interface>
  preserve-interface
</preserve-interface>
<preserve-interface-statistics>....</preserve-interface-statistics>

```

```
<traffic-statistics>....</traffic-statistics>
<multicast-statistics>....</multicast-statistics>
<ingress-traffic-statistics>....</ingress-traffic-statistics>
<multilink-interface-errors>....</multilink-interface-errors>
<mlfr-uni-nni-bundle-options>....</mlfr-uni-nni-bundle-options>
<multilink-bundle-errors>....</multilink-bundle-errors>
<input-error-list>....</input-error-list>
<input-error-count>
  input-error-count
</input-error-count>
<output-error-list>....</output-error-list>
<output-error-count>
  output-error-count
</output-error-count>
<ber-threshold>....</ber-threshold>
<dsl-crc-alarm-threshold>....</dsl-crc-alarm-threshold>
<active-alarms>....</active-alarms>
<active-defects>....</active-defects>
<media-state-information>....</media-state-information>
<sonet-errors>....</sonet-errors>
<sonet-physical-information>....</sonet-physical-information>
<sonet-section-information>....</sonet-section-information>
<sonet-line-information>....</sonet-line-information>
<sonet-path-information>....</sonet-path-information>
<sonet-payload-pointer-information>....</sonet-payload-pointer-information>
<sonet-payload-pointer-curptr>
  sonet-payload-pointer-curptr
</sonet-payload-pointer-curptr>
<sonet-payload-pointer-ptrinc-count>
  sonet-payload-pointer-ptrinc-count
</sonet-payload-pointer-ptrinc-count>
<sonet-payload-pointer-ptrdec-count>
  sonet-payload-pointer-ptrdec-count
</sonet-payload-pointer-ptrdec-count>
<sonet-payload-pointer-newptr-ndf-count>
  sonet-payload-pointer-newptr-ndf-count
</sonet-payload-pointer-newptr-ndf-count>
<sonet-vt-information>....</sonet-vt-information>
<sonet-rx-overhead>
  sonet-rx-overhead
</sonet-rx-overhead>
<sonet-tx-overhead>
  sonet-tx-overhead
</sonet-tx-overhead>
<sonet-rx-path-trace>
  sonet-rx-path-trace
</sonet-rx-path-trace>
<sonet-tx-path-trace>
  sonet-tx-path-trace
</sonet-tx-path-trace>
<otn-errors>....</otn-errors>
<otn-rx-overhead>
  otn-rx-overhead
</otn-rx-overhead>
<otn-tx-overhead>
  otn-tx-overhead
```

```

</otn-tx-overhead>
<otn-stats-counter>
  otn-stats-counter
</otn-stats-counter>
<otn-fec-statistics>....</otn-fec-statistics>
<otn-fec-alarms>....</otn-fec-alarms>
<otn-fec-mode>....</otn-fec-mode>
<otn-otn-mode>....</otn-otn-mode>
<otn-otn-rate>....</otn-otn-rate>
<otn-otn-loopback>....</otn-otn-loopback>
<otn-rx-tti>
  otn-rx-tti
</otn-rx-tti>
<otn-tx-tti>
  otn-tx-tti
</otn-tx-tti>
<media-information>....</media-information>
<ethernet-pcs-statistics>....</ethernet-pcs-statistics>
<ethernet-mac-statistics>....</ethernet-mac-statistics>
<fibrechannel-port-flow-control>....</fibrechannel-port-flow-control>
<fibrechannel-mac-statistics>....</fibrechannel-mac-statistics>
<ethernet-filter-statistics>....</ethernet-filter-statistics>
<ethernet-autonegotiation>....</ethernet-autonegotiation>
<link-partner-status>
  link-partner-status
</link-partner-status>
<local-info>....</local-info>
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```

**Description** Information about a single physical interface

## <physical-interface>

### Usage

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  </oper-status>

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```

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```

```

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```

**Description** Information about a single physical interface

## <physical-interface>

### Usage

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  </minimum-links-in-aggregate>
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```

```

<hdlc-information>....</hdlc-information>
<pfe-information>....</pfe-information>
<logical-interface>....</logical-interface>
<active-alarms-otn>....</active-alarms-otn>
<active-defects-otn>....</active-defects-otn>
<links>....</links>
<src-information>....</src-information>
<peer-configuration-status>....</peer-configuration-status>
<lmi-statistics>....</lmi-statistics>
<lsi-traffic-statistics>....</lsi-traffic-statistics>
<stp-traffic-statistics>....</stp-traffic-statistics>

<queue-num-forwarding-class-name-map>....</queue-num-forwarding-class-name-map>

<chassis-queue-counters>....</chassis-queue-counters>
<ingress-queue-counters>....</ingress-queue-counters>
<otn-oc-information>....</otn-oc-information>
<otn-otu-information>....</otn-otu-information>
<otn-odu-information>....</otn-odu-information>
<ima-state>....</ima-state>
<ima-group-information>....</ima-group-information>
<ima-link-information>....</ima-link-information>
<ethernet-mac-pfc-statistics>....</ethernet-mac-pfc-statistics>
<satop-information>....</satop-information>
<cesopsn-information>....</cesopsn-information>
<ima-group-properties>....</ima-group-properties>
<ima-link-properties>....</ima-link-properties>
<cos-header>
  cos-header
</cos-header>
<cos-information>....</cos-information>
<physical-interface-cos-information>....</physical-interface-cos-information>
<mlfr-uni-nni-traffic-statistics>....</mlfr-uni-nni-traffic-statistics>
<interval-information>....</interval-information>
</physical-interface>
</interface-filter-information>

```

**Description** Information about a single physical interface

## <physical-interface>

### Usage

```

<interface-policer-information>
<physical-interface>
  <name>
    name
  </name>
  <mc-ae-status>
    mc-ae-status
  </mc-ae-status>
  <admin-status>
    admin-status
  </admin-status>
  <oper-status>

```

```
    oper-status
  </oper-status>
  <local-index>
    local-index
  </local-index>
  <snmp-index>
    snmp-index
  </snmp-index>
  <generation>
    generation
  </generation>
  <description>
    description
  </description>
  <if-type>
    if-type
  </if-type>
  <link-level-type>
    link-level-type
  </link-level-type>
  <mtu>
    mtu
  </mtu>
  <link-mode>
    link-mode
  </link-mode>
  <mac-mode>
    mac-mode
  </mac-mode>
  <speed>
    speed
  </speed>
  <max-speed>
    max-speed
  </max-speed>
  <duplex>
    duplex
  </duplex>
  <clocking>
    clocking
  </clocking>
  <sonet-mode>
    sonet-mode
  </sonet-mode>
  <physical-mode>
    physical-mode
  </physical-mode>
  <l2circuit-mode>
    l2circuit-mode
  </l2circuit-mode>
  <ifd-cell-bundle-size>
    ifd-cell-bundle-size
  </ifd-cell-bundle-size>
  <ifd-cell-bundle-timeout>
    ifd-cell-bundle-timeout
  </ifd-cell-bundle-timeout>
```

```
<loopback>
  loopback
</loopback>
<ih-parent>
  ih-parent
</ih-parent>
<atm-line-build-out>
  atm-line-build-out
</atm-line-build-out>
<atm-encapsulation>
  atm-encapsulation
</atm-encapsulation>
<atm-e3-framing>
  atm-e3-framing
</atm-e3-framing>
<sonet-loopback>
  sonet-loopback
</sonet-loopback>
<crc>
  crc
</crc>
<payload-scrambler>
  payload-scrambler
</payload-scrambler>
<ingress-rate-limit>
  ingress-rate-limit
</ingress-rate-limit>
<source-filtering>
  source-filtering
</source-filtering>
<if-flow-control>
  if-flow-control
</if-flow-control>
<bpd-error>
  bpd-error
</bpd-error>
<l2pt-error>
  l2pt-error
</l2pt-error>
<if-unidirectional>
  if-unidirectional
</if-unidirectional>
<if-auto-negotiation>
  if-auto-negotiation
</if-auto-negotiation>
<if-remote-fault>
  if-remote-fault
</if-remote-fault>
<if-speed-auto-negotiation>
  if-speed-auto-negotiation
</if-speed-auto-negotiation>
<if-auto-mdix>
  if-auto-mdix
</if-auto-mdix>
<minimum-links-in-aggregate>
  minimum-links-in-aggregate
```

```

</minimum-links-in-aggregate>
<minimum-bandwidth-in-aggregate>
  minimum-bandwidth-in-aggregate
</minimum-bandwidth-in-aggregate>
<if-device-flags>....</if-device-flags>
<if-config-flags>....</if-config-flags>
<shared-interface-physical-interface>....</shared-interface-physical-interface>

<link-type>
  link-type
</link-type>
<if-media-flags>....</if-media-flags>
<optics-properties>....</optics-properties>
<keepalive-config>....</keepalive-config>
<lmi-dce-config>....</lmi-dce-config>
<lmi-dte-config>....</lmi-dte-config>
<queue-counters>....</queue-counters>
<keepalive-statistics>....</keepalive-statistics>
<ppp-flags>....</ppp-flags>
<lcp-state>
  lcp-state
</lcp-state>
<ncp-information>....</ncp-information>
<chap-state>
  chap-state
</chap-state>
<pap-state>
  pap-state
</pap-state>
<physical-information>
  physical-information
</physical-information>
<es-ifd-stats>....</es-ifd-stats>
<up-hold-time>
  up-hold-time
</up-hold-time>
<down-hold-time>
  down-hold-time
</down-hold-time>
<current-physical-address>
  current-physical-address
</current-physical-address>
<hardware-physical-address>
  hardware-physical-address
</hardware-physical-address>
<alternate-physical-address>
  alternate-physical-address
</alternate-physical-address>
<interface-flapped>
  interface-flapped
</interface-flapped>
<statistics-cleared>
  statistics-cleared
</statistics-cleared>
<preserve-interface>
  preserve-interface

```

```
</preserve-interface>
<preserve-interface-statistics>....</preserve-interface-statistics>
<traffic-statistics>....</traffic-statistics>
<multicast-statistics>....</multicast-statistics>
<ingress-traffic-statistics>....</ingress-traffic-statistics>
<multilink-interface-errors>....</multilink-interface-errors>
<mlfr-uni-nni-bundle-options>....</mlfr-uni-nni-bundle-options>
<multilink-bundle-errors>....</multilink-bundle-errors>
<input-error-list>....</input-error-list>
<input-error-count>
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</input-error-count>
<output-error-list>....</output-error-list>
<output-error-count>
  output-error-count
</output-error-count>
<ber-threshold>....</ber-threshold>
<dsl-crc-alarm-threshold>....</dsl-crc-alarm-threshold>
<active-alarms>....</active-alarms>
<active-defects>....</active-defects>
<media-state-information>....</media-state-information>
<sonet-errors>....</sonet-errors>
<sonet-physical-information>....</sonet-physical-information>
<sonet-section-information>....</sonet-section-information>
<sonet-line-information>....</sonet-line-information>
<sonet-path-information>....</sonet-path-information>
<sonet-payload-pointer-information>....</sonet-payload-pointer-information>
<sonet-payload-pointer-curptr>
  sonet-payload-pointer-curptr
</sonet-payload-pointer-curptr>
<sonet-payload-pointer-ptrinc-count>
  sonet-payload-pointer-ptrinc-count
</sonet-payload-pointer-ptrinc-count>
<sonet-payload-pointer-ptrdec-count>
  sonet-payload-pointer-ptrdec-count
</sonet-payload-pointer-ptrdec-count>
<sonet-payload-pointer-newptr-ndf-count>
  sonet-payload-pointer-newptr-ndf-count
</sonet-payload-pointer-newptr-ndf-count>
<sonet-vt-information>....</sonet-vt-information>
<sonet-rx-overhead>
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</sonet-rx-overhead>
<sonet-tx-overhead>
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</sonet-tx-overhead>
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</sonet-rx-path-trace>
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</sonet-tx-path-trace>
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  otn-rx-overhead
</otn-rx-overhead>
```



```

<otn-tx-overhead>
  otn-tx-overhead
</otn-tx-overhead>
<otn-stats-counter>
  otn-stats-counter
</otn-stats-counter>
<otn-fec-statistics>....</otn-fec-statistics>
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<otn-otn-mode>....</otn-otn-mode>
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<otn-otn-loopback>....</otn-otn-loopback>
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</otn-rx-tti>
<otn-tx-tti>
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</otn-tx-tti>
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<ethernet-pcs-statistics>....</ethernet-pcs-statistics>
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<fibrechanel-port-flow-control>....</fibrechanel-port-flow-control>
<fibrechanel-mac-statistics>....</fibrechanel-mac-statistics>
<ethernet-filter-statistics>....</ethernet-filter-statistics>
<ethernet-autonegotiation>....</ethernet-autonegotiation>
<link-partner-status>
  link-partner-status
</link-partner-status>
<local-info>....</local-info>
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<vdsl-information>....</vdsl-information>
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<atm-information>....</atm-information>
<modem-information>....</modem-information>
<serial-information>....</serial-information>
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<cds1-information>....</cds1-information>
<nxd0-information>....</nxd0-information>
<ds3-mode>
  ds3-mode
</ds3-mode>
<ds3-long-buildout>
  ds3-long-buildout
</ds3-long-buildout>
<e3-framing>
  e3-framing
</e3-framing>
<ds1-framing>
  ds1-framing
</ds1-framing>
<dsu-information>....</dsu-information>
<ds3-bert-information>....</ds3-bert-information>
<e3-bert-information>....</e3-bert-information>
<ds1-bert-information>....</ds1-bert-information>

```

```

<ds0-bert-information>....</ds0-bert-information>
<hdlc-information>....</hdlc-information>
<pfe-information>....</pfe-information>
<logical-interface>....</logical-interface>
<active-alarms-otn>....</active-alarms-otn>
<active-defects-otn>....</active-defects-otn>
<links>....</links>
<src-information>....</src-information>
<peer-configuration-status>....</peer-configuration-status>
<lmi-statistics>....</lmi-statistics>
<lsi-traffic-statistics>....</lsi-traffic-statistics>
<stp-traffic-statistics>....</stp-traffic-statistics>

<queue-num-forwarding-class-name-map>....</queue-num-forwarding-class-name-map>

<chassis-queue-counters>....</chassis-queue-counters>
<ingress-queue-counters>....</ingress-queue-counters>
<otn-oc-information>....</otn-oc-information>
<otn-otu-information>....</otn-otu-information>
<otn-odu-information>....</otn-odu-information>
<ima-state>....</ima-state>
<ima-group-information>....</ima-group-information>
<ima-link-information>....</ima-link-information>
<ethernet-mac-pfc-statistics>....</ethernet-mac-pfc-statistics>
<satop-information>....</satop-information>
<cesopsn-information>....</cesopsn-information>
<ima-group-properties>....</ima-group-properties>
<ima-link-properties>....</ima-link-properties>
<cos-header>
  cos-header
</cos-header>
<cos-information>....</cos-information>
<physical-interface-cos-information>....</physical-interface-cos-information>
<mlfr-uni-nni-traffic-statistics>....</mlfr-uni-nni-traffic-statistics>
<interval-information>....</interval-information>
</physical-interface>
</interface-policer-information>

```

**Description** Information about a single physical interface

## <physical-interface-cos-information>

### Usage

```

<physical-interface-cos-information>
  <physical-interface-cos-hw-max-queues>
    physical-interface-cos-hw-max-queues
  </physical-interface-cos-hw-max-queues>
  <physical-interface-cos-use-max-queues>
    physical-interface-cos-use-max-queues
  </physical-interface-cos-use-max-queues>
  <physical-interface-schedulers>
    physical-interface-schedulers
  </physical-interface-schedulers>

```

```
<physical-interface-red-buffer-occupancy>....</physical-interface-red-buffer-occupancy>

</physical-interface-cos-information>
```

**Description** Physical interface class-of-service parameters

### <physical-interface-cos-information>

#### Usage

```
<physical-interface>
  <physical-interface-cos-information>
    <physical-interface-cos-hw-max-queues>
      physical-interface-cos-hw-max-queues
    </physical-interface-cos-hw-max-queues>
    <physical-interface-cos-use-max-queues>
      physical-interface-cos-use-max-queues
    </physical-interface-cos-use-max-queues>
    <physical-interface-schedulers>
      physical-interface-schedulers
    </physical-interface-schedulers>

    <physical-interface-red-buffer-occupancy>....</physical-interface-red-buffer-occupancy>

  </physical-interface-cos-information>
</physical-interface>
```

**Description** Physical interface class-of-service parameters

### <physical-interface-cos-information>

#### Usage

```
<interface-information>
  <physical-interface>
    <physical-interface-cos-information>
      <physical-interface-cos-hw-max-queues>
        physical-interface-cos-hw-max-queues
      </physical-interface-cos-hw-max-queues>
      <physical-interface-cos-use-max-queues>
        physical-interface-cos-use-max-queues
      </physical-interface-cos-use-max-queues>
      <physical-interface-schedulers>
        physical-interface-schedulers
      </physical-interface-schedulers>

      <physical-interface-red-buffer-occupancy>....</physical-interface-red-buffer-occupancy>

    </physical-interface-cos-information>
  </physical-interface>
</interface-information>
```

**Description** Physical interface class-of-service parameters

## <physical-interface-cos-information>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <physical-interface-cos-information>
      <physical-interface-cos-hw-max-queues>
        physical-interface-cos-hw-max-queues
      </physical-interface-cos-hw-max-queues>
      <physical-interface-cos-use-max-queues>
        physical-interface-cos-use-max-queues
      </physical-interface-cos-use-max-queues>
      <physical-interface-schedulers>
        physical-interface-schedulers
      </physical-interface-schedulers>

      <physical-interface-red-buffer-occupancy>....</physical-interface-red-buffer-occupancy>

    </physical-interface-cos-information>
  </physical-interface>
</interface-filter-information>
```

**Description** Physical interface class-of-service parameters

## <physical-interface-cos-information>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <physical-interface-cos-information>
      <physical-interface-cos-hw-max-queues>
        physical-interface-cos-hw-max-queues
      </physical-interface-cos-hw-max-queues>
      <physical-interface-cos-use-max-queues>
        physical-interface-cos-use-max-queues
      </physical-interface-cos-use-max-queues>
      <physical-interface-schedulers>
        physical-interface-schedulers
      </physical-interface-schedulers>

      <physical-interface-red-buffer-occupancy>....</physical-interface-red-buffer-occupancy>

    </physical-interface-cos-information>
  </physical-interface>
</interface-policer-information>
```

**Description** Physical interface class-of-service parameters

## <physical-interface-red-buffer-occupancy>

### Usage

```
<physical-interface-red-buffer-occupancy>
```

```

<instant-usage-weight-exponent>
  instant-usage-weight-exponent
</instant-usage-weight-exponent>
</physical-interface-red-buffer-occupancy>

```

**Description** Type of buffer occupancy information used for performing random early drop on the interface

### <physical-interface-red-buffer-occupancy>

#### Usage

```

<physical-interface-cos-information>
  <physical-interface-red-buffer-occupancy>
    <instant-usage-weight-exponent>
      instant-usage-weight-exponent
    </instant-usage-weight-exponent>
  </physical-interface-red-buffer-occupancy>
</physical-interface-cos-information>

```

**Description** Type of buffer occupancy information used for performing random early drop on the interface

### <physical-interface-red-buffer-occupancy>

#### Usage

```

<physical-interface>
  <physical-interface-cos-information>
    <physical-interface-red-buffer-occupancy>
      <instant-usage-weight-exponent>
        instant-usage-weight-exponent
      </instant-usage-weight-exponent>
    </physical-interface-red-buffer-occupancy>
  </physical-interface-cos-information>
</physical-interface>

```

**Description** Type of buffer occupancy information used for performing random early drop on the interface

### <physical-interface-red-buffer-occupancy>

#### Usage

```

<interface-information>
  <physical-interface>
    <physical-interface-cos-information>
      <physical-interface-red-buffer-occupancy>
        <instant-usage-weight-exponent>
          instant-usage-weight-exponent
        </instant-usage-weight-exponent>
      </physical-interface-red-buffer-occupancy>
    </physical-interface-cos-information>
  </physical-interface>
</interface-information>

```

```
</physical-interface>
</interface-information>
```

**Description** Type of buffer occupancy information used for performing random early drop on the interface

### <physical-interface-red-buffer-occupancy>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <physical-interface-cos-information>
      <physical-interface-red-buffer-occupancy>
        <instant-usage-weight-exponent>
          instant-usage-weight-exponent
        </instant-usage-weight-exponent>
      </physical-interface-red-buffer-occupancy>
    </physical-interface-cos-information>
  </physical-interface>
</interface-filter-information>
```

**Description** Type of buffer occupancy information used for performing random early drop on the interface

### <physical-interface-red-buffer-occupancy>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <physical-interface-cos-information>
      <physical-interface-red-buffer-occupancy>
        <instant-usage-weight-exponent>
          instant-usage-weight-exponent
        </instant-usage-weight-exponent>
      </physical-interface-red-buffer-occupancy>
    </physical-interface-cos-information>
  </physical-interface>
</interface-policer-information>
```

**Description** Type of buffer occupancy information used for performing random early drop on the interface

### <plcp-defects>

#### Usage

```
<atm-information>
  <plcp-defects>
    <media-alarm>....</media-alarm>
  </plcp-defects>
```

</atm-information>

#### Description

<plcp-defects>

#### Usage

```
<physical-interface>
  <atm-information>
    <plcp-defects>
      <media-alarm>....</media-alarm>
    </plcp-defects>
  </atm-information>
</physical-interface>
```

#### Description

<plcp-defects>

#### Usage

```
<interface-information>
  <physical-interface>
    <atm-information>
      <plcp-defects>
        <media-alarm>....</media-alarm>
      </plcp-defects>
    </atm-information>
  </physical-interface>
</interface-information>
```

#### Description

<plcp-defects>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <atm-information>
      <plcp-defects>
        <media-alarm>....</media-alarm>
      </plcp-defects>
    </atm-information>
  </physical-interface>
</interface-filter-information>
```

#### Description

<plcp-defects>

#### Usage

```
<interface-policer-information>
  <physical-interface>
```

```
<atm-information>
  <plcp-defects>
    <media-alarm>....</media-alarm>
  </plcp-defects>
</atm-information>
</physical-interface>
</interface-policer-information>
```

#### Description

### <plcp-statistics>

#### Usage

```
<atm-information>
  <plcp-statistics>
    <ferr-count>
      ferr-count
    </ferr-count>
    <ferr-seconds>
      ferr-seconds
    </ferr-seconds>
    <bipe-count>
      bipe-count
    </bipe-count>
    <bipe-seconds>
      bipe-seconds
    </bipe-seconds>
    <febe-count>
      febe-count
    </febe-count>
    <febe-seconds>
      febe-seconds
    </febe-seconds>
  </plcp-statistics>
</atm-information>
```

#### Description

### <plcp-statistics>

#### Usage

```
<physical-interface>
  <atm-information>
    <plcp-statistics>
      <ferr-count>
        ferr-count
      </ferr-count>
      <ferr-seconds>
        ferr-seconds
      </ferr-seconds>
      <bipe-count>
        bipe-count
      </bipe-count>
      <bipe-seconds>
```



```

        bipe-seconds
      </bipe-seconds>
    <febe-count>
      febe-count
    </febe-count>
    <febe-seconds>
      febe-seconds
    </febe-seconds>
  </plcp-statistics>
</atm-information>
</physical-interface>

```

#### Description

#### <plcp-statistics>

##### Usage

```

<interface-information>
  <physical-interface>
    <atm-information>
      <plcp-statistics>
        <ferr-count>
          ferr-count
        </ferr-count>
        <ferr-seconds>
          ferr-seconds
        </ferr-seconds>
        <bipe-count>
          bipe-count
        </bipe-count>
        <bipe-seconds>
          bipe-seconds
        </bipe-seconds>
        <febe-count>
          febe-count
        </febe-count>
        <febe-seconds>
          febe-seconds
        </febe-seconds>
      </plcp-statistics>
    </atm-information>
  </physical-interface>
</interface-information>

```

#### Description

#### <plcp-statistics>

##### Usage

```

<interface-filter-information>
  <physical-interface>
    <atm-information>
      <plcp-statistics>
        <ferr-count>

```

```
    ferr-count
  </ferr-count>
  <ferr-seconds>
    ferr-seconds
  </ferr-seconds>
  <bipe-count>
    bipe-count
  </bipe-count>
  <bipe-seconds>
    bipe-seconds
  </bipe-seconds>
  <febe-count>
    febe-count
  </febe-count>
  <febe-seconds>
    febe-seconds
  </febe-seconds>
</plcp-statistics>
</atm-information>
</physical-interface>
</interface-filter-information>
```

## Description

### <plcp-statistics>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <atm-information>
      <plcp-statistics>
        <ferr-count>
          ferr-count
        </ferr-count>
        <ferr-seconds>
          ferr-seconds
        </ferr-seconds>
        <bipe-count>
          bipe-count
        </bipe-count>
        <bipe-seconds>
          bipe-seconds
        </bipe-seconds>
        <febe-count>
          febe-count
        </febe-count>
        <febe-seconds>
          febe-seconds
        </febe-seconds>
      </plcp-statistics>
    </atm-information>
  </physical-interface>
</interface-policer-information>
```

**Description****<policer-information>****Usage**

```

<policer-information>
  <policer-family>
    policer-family
  </policer-family>
  <policer-input>
    policer-input
  </policer-input>
  <policer-output>
    policer-output
  </policer-output>
</policer-information>

```

**Description**    Interface policer information

**<policer-information>****Usage**

```

<address-family>
  <policer-information>
    <policer-family>
      policer-family
    </policer-family>
    <policer-input>
      policer-input
    </policer-input>
    <policer-output>
      policer-output
    </policer-output>
  </policer-information>
</address-family>

```

**Description**    Interface policer information

**<policer-information>****Usage**

```

<logical-interface>
  <policer-information>
    <policer-family>
      policer-family
    </policer-family>
    <policer-input>
      policer-input
    </policer-input>
    <policer-output>
      policer-output
    </policer-output>
  </policer-information>

```

</logical-interface>

**Description**    Interface policer information

### <policer-information>

#### Usage

```
<logical-interface>
  <address-family>
    <policer-information>
      <policer-family>
        policer-family
      </policer-family>
      <policer-input>
        policer-input
      </policer-input>
      <policer-output>
        policer-output
      </policer-output>
    </policer-information>
  </address-family>
</logical-interface>
```

**Description**    Interface policer information

### <policer-information>

#### Usage

```
<physical-interface>
  <logical-interface>
    <policer-information>
      <policer-family>
        policer-family
      </policer-family>
      <policer-input>
        policer-input
      </policer-input>
      <policer-output>
        policer-output
      </policer-output>
    </policer-information>
  </logical-interface>
</physical-interface>
```

**Description**    Interface policer information

### <policer-information>

#### Usage

```
<physical-interface>
<logical-interface>
```

```

<address-family>
  <policer-information>
    <policer-family>
      policer-family
    </policer-family>
    <policer-input>
      policer-input
    </policer-input>
    <policer-output>
      policer-output
    </policer-output>
  </policer-information>
</address-family>
</logical-interface>
</physical-interface>

```

**Description** Interface policer information

### <policer-information>

#### Usage

```

<interface-information>
  <physical-interface>
  <logical-interface>
    <policer-information>
      <policer-family>
        policer-family
      </policer-family>
      <policer-input>
        policer-input
      </policer-input>
      <policer-output>
        policer-output
      </policer-output>
    </policer-information>
  </logical-interface>
</physical-interface>
</interface-information>

```

**Description** Interface policer information

### <policer-information>

#### Usage

```

<interface-information>
  <physical-interface>
  <logical-interface>
    <address-family>
      <policer-information>
        <policer-family>
          policer-family
        </policer-family>

```

```
<policer-input>
  policer-input
</policer-input>
<policer-output>
  policer-output
</policer-output>
</policer-information>
</address-family>
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** Interface policer information

### <policer-information>

#### Usage

```
<interface-information>
<logical-interface>
  <policer-information>
    <policer-family>
      policer-family
    </policer-family>
    <policer-input>
      policer-input
    </policer-input>
    <policer-output>
      policer-output
    </policer-output>
  </policer-information>
</logical-interface>
</interface-information>
```

**Description** Interface policer information

### <policer-information>

#### Usage

```
<interface-information>
<logical-interface>
  <address-family>
    <policer-information>
      <policer-family>
        policer-family
      </policer-family>
      <policer-input>
        policer-input
      </policer-input>
      <policer-output>
        policer-output
      </policer-output>
    </policer-information>
```

```

    </address-family>
  </logical-interface>
</interface-information>

```

**Description** Interface policer information

## <policer-information>

### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <policer-information>
        <policer-family>
          policer-family
        </policer-family>
        <policer-input>
          policer-input
        </policer-input>
        <policer-output>
          policer-output
        </policer-output>
      </policer-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

**Description** Interface policer information

## <policer-information>

### Usage

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <address-family>
        <policer-information>
          <policer-family>
            policer-family
          </policer-family>
          <policer-input>
            policer-input
          </policer-input>
          <policer-output>
            policer-output
          </policer-output>
        </policer-information>
      </address-family>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

**Description** Interface policer information

### <policer-information>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <policer-information>
      <policer-family>
        policer-family
      </policer-family>
      <policer-input>
        policer-input
      </policer-input>
      <policer-output>
        policer-output
      </policer-output>
    </policer-information>
  </logical-interface>
</interface-filter-information>
```

**Description** Interface policer information

### <policer-information>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <address-family>
      <policer-information>
        <policer-family>
          policer-family
        </policer-family>
        <policer-input>
          policer-input
        </policer-input>
        <policer-output>
          policer-output
        </policer-output>
      </policer-information>
    </address-family>
  </logical-interface>
</interface-filter-information>
```

**Description** Interface policer information

### <policer-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
  <logical-interface>
```



```

<policer-information>
  <policer-family>
    policer-family
  </policer-family>
  <policer-input>
    policer-input
  </policer-input>
  <policer-output>
    policer-output
  </policer-output>
</policer-information>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** Interface policer information

### <policer-information>

#### Usage

```

<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <address-family>
      <policer-information>
        <policer-family>
          policer-family
        </policer-family>
        <policer-input>
          policer-input
        </policer-input>
        <policer-output>
          policer-output
        </policer-output>
      </policer-information>
    </address-family>
  </logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** Interface policer information

### <policer-information>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <policer-information>
      <policer-family>
        policer-family
      </policer-family>
      <policer-input>

```

```
    policer-input
  </policer-input>
  <policer-output>
    policer-output
  </policer-output>
</policer-information>
</logical-interface>
</interface-policer-information>
```

**Description** Interface policer information

### <policer-information>

#### Usage

```
<interface-policer-information>
<logical-interface>
  <address-family>
    <policer-information>
      <policer-family>
        policer-family
      </policer-family>
      <policer-input>
        policer-input
      </policer-input>
      <policer-output>
        policer-output
      </policer-output>
    </policer-information>
  </address-family>
</logical-interface>
</interface-policer-information>
```

**Description** Interface policer information

### <ppp-flags>

#### Usage

```
<ppp-flags>
  <iff-ppp-flags-acfc>
    iff-ppp-flags-acfc
  </iff-ppp-flags-acfc>
  <iff-ppp-flags-pfc>
    iff-ppp-flags-pfc
  </iff-ppp-flags-pfc>
</ppp-flags>
```

**Description**

**<ppp-flags>****Usage**

```

<logical-interface>
  <ppp-flags>
    <iff-ppp-flags-acfc>
      iff-ppp-flags-acfc
    </iff-ppp-flags-acfc>
    <iff-ppp-flags-pfc>
      iff-ppp-flags-pfc
    </iff-ppp-flags-pfc>
  </ppp-flags>
</logical-interface>

```

**Description****<ppp-flags>****Usage**

```

<physical-interface>
  <ppp-flags>
    <iff-ppp-flags-acfc>
      iff-ppp-flags-acfc
    </iff-ppp-flags-acfc>
    <iff-ppp-flags-pfc>
      iff-ppp-flags-pfc
    </iff-ppp-flags-pfc>
  </ppp-flags>
</physical-interface>

```

**Description****<ppp-flags>****Usage**

```

<physical-interface>
  <logical-interface>
    <ppp-flags>
      <iff-ppp-flags-acfc>
        iff-ppp-flags-acfc
      </iff-ppp-flags-acfc>
      <iff-ppp-flags-pfc>
        iff-ppp-flags-pfc
      </iff-ppp-flags-pfc>
    </ppp-flags>
  </logical-interface>
</physical-interface>

```

**Description**

## <ppp-flags>

### Usage

```
<interface-information>
  <physical-interface>
    <ppp-flags>
      <iff-ppp-flags-acfc>
        iff-ppp-flags-acfc
      </iff-ppp-flags-acfc>
      <iff-ppp-flags-pfc>
        iff-ppp-flags-pfc
      </iff-ppp-flags-pfc>
    </ppp-flags>
  </physical-interface>
</interface-information>
```

### Description

## <ppp-flags>

### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <ppp-flags>
        <iff-ppp-flags-acfc>
          iff-ppp-flags-acfc
        </iff-ppp-flags-acfc>
        <iff-ppp-flags-pfc>
          iff-ppp-flags-pfc
        </iff-ppp-flags-pfc>
      </ppp-flags>
    </logical-interface>
  </physical-interface>
</interface-information>
```

### Description

## <ppp-flags>

### Usage

```
<interface-information>
  <logical-interface>
    <ppp-flags>
      <iff-ppp-flags-acfc>
        iff-ppp-flags-acfc
      </iff-ppp-flags-acfc>
      <iff-ppp-flags-pfc>
        iff-ppp-flags-pfc
      </iff-ppp-flags-pfc>
    </ppp-flags>
  </logical-interface>
```

```
</interface-information>
```

#### Description

**<ppp-flags>**

#### Usage

```
<interface-filter-information>
<physical-interface>
  <ppp-flags>
    <iff-ppp-flags-acfc>
      iff-ppp-flags-acfc
    </iff-ppp-flags-acfc>
    <iff-ppp-flags-pfc>
      iff-ppp-flags-pfc
    </iff-ppp-flags-pfc>
  </ppp-flags>
</physical-interface>
</interface-filter-information>
```

#### Description

**<ppp-flags>**

#### Usage

```
<interface-filter-information>
<physical-interface>
  <logical-interface>
    <ppp-flags>
      <iff-ppp-flags-acfc>
        iff-ppp-flags-acfc
      </iff-ppp-flags-acfc>
      <iff-ppp-flags-pfc>
        iff-ppp-flags-pfc
      </iff-ppp-flags-pfc>
    </ppp-flags>
  </logical-interface>
</physical-interface>
</interface-filter-information>
```

#### Description

**<ppp-flags>**

#### Usage

```
<interface-filter-information>
<logical-interface>
  <ppp-flags>
    <iff-ppp-flags-acfc>
      iff-ppp-flags-acfc
    </iff-ppp-flags-acfc>
    <iff-ppp-flags-pfc>
      iff-ppp-flags-pfc
    </iff-ppp-flags-pfc>
  </ppp-flags>
</logical-interface>
```

```
</iff-ppp-flags-pfc>
</ppp-flags>
</logical-interface>
</interface-filter-information>
```

#### Description

### <ppp-flags>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <ppp-flags>
    <iff-ppp-flags-acfc>
      iff-ppp-flags-acfc
    </iff-ppp-flags-acfc>
    <iff-ppp-flags-pfc>
      iff-ppp-flags-pfc
    </iff-ppp-flags-pfc>
  </ppp-flags>
</physical-interface>
</interface-policer-information>
```

#### Description

### <ppp-flags>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <logical-interface>
    <ppp-flags>
      <iff-ppp-flags-acfc>
        iff-ppp-flags-acfc
      </iff-ppp-flags-acfc>
      <iff-ppp-flags-pfc>
        iff-ppp-flags-pfc
      </iff-ppp-flags-pfc>
    </ppp-flags>
  </logical-interface>
</physical-interface>
</interface-policer-information>
```

#### Description

### <ppp-flags>

#### Usage

```
<interface-policer-information>
<logical-interface>
  <ppp-flags>
    <iff-ppp-flags-acfc>
      iff-ppp-flags-acfc
```

```

    </iff-ppp-flags-acfc>
    <iff-ppp-flags-pfc>
      iff-ppp-flags-pfc
    </iff-ppp-flags-pfc>
  </ppp-flags>
</logical-interface>
</interface-policer-information>

```

#### Description

### <ppp-parameters>

#### Usage

```

<ppp-parameters>
  <lcp-restart-timer>
    lcp-restart-timer
  </lcp-restart-timer>
  <ncp-restart-timer>
    ncp-restart-timer
  </ncp-restart-timer>
  <termination-requests>
    termination-requests
  </termination-requests>
  <loopback-clear-timer>
    loopback-clear-timer
  </loopback-clear-timer>
</ppp-parameters>

```

**Description** PPP parameters

### <ppp-parameters>

#### Usage

```

<logical-interface>
  <ppp-parameters>
    <lcp-restart-timer>
      lcp-restart-timer
    </lcp-restart-timer>
    <ncp-restart-timer>
      ncp-restart-timer
    </ncp-restart-timer>
    <termination-requests>
      termination-requests
    </termination-requests>
    <loopback-clear-timer>
      loopback-clear-timer
    </loopback-clear-timer>
  </ppp-parameters>
</logical-interface>

```

**Description** PPP parameters

## <ppp-parameters>

### Usage

```
<physical-interface>
<logical-interface>
  <ppp-parameters>
    <lcp-restart-timer>
      lcp-restart-timer
    </lcp-restart-timer>
    <ncp-restart-timer>
      ncp-restart-timer
    </ncp-restart-timer>
    <termination-requests>
      termination-requests
    </termination-requests>
    <loopback-clear-timer>
      loopback-clear-timer
    </loopback-clear-timer>
  </ppp-parameters>
</logical-interface>
</physical-interface>
```

**Description** PPP parameters

## <ppp-parameters>

### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
  <ppp-parameters>
    <lcp-restart-timer>
      lcp-restart-timer
    </lcp-restart-timer>
    <ncp-restart-timer>
      ncp-restart-timer
    </ncp-restart-timer>
    <termination-requests>
      termination-requests
    </termination-requests>
    <loopback-clear-timer>
      loopback-clear-timer
    </loopback-clear-timer>
  </ppp-parameters>
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** PPP parameters



**<ppp-parameters>****Usage**

```

<interface-information>
  <logical-interface>
    <ppp-parameters>
      <lcp-restart-timer>
        lcp-restart-timer
      </lcp-restart-timer>
      <ncp-restart-timer>
        ncp-restart-timer
      </ncp-restart-timer>
      <termination-requests>
        termination-requests
      </termination-requests>
      <loopback-clear-timer>
        loopback-clear-timer
      </loopback-clear-timer>
    </ppp-parameters>
  </logical-interface>
</interface-information>

```

**Description** PPP parameters

**<ppp-parameters>****Usage**

```

<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <ppp-parameters>
        <lcp-restart-timer>
          lcp-restart-timer
        </lcp-restart-timer>
        <ncp-restart-timer>
          ncp-restart-timer
        </ncp-restart-timer>
        <termination-requests>
          termination-requests
        </termination-requests>
        <loopback-clear-timer>
          loopback-clear-timer
        </loopback-clear-timer>
      </ppp-parameters>
    </logical-interface>
  </physical-interface>
</interface-filter-information>

```

**Description** PPP parameters

## <ppp-parameters>

### Usage

```
<interface-filter-information>
<logical-interface>
  <ppp-parameters>
    <lcp-restart-timer>
      lcp-restart-timer
    </lcp-restart-timer>
    <ncp-restart-timer>
      ncp-restart-timer
    </ncp-restart-timer>
    <termination-requests>
      termination-requests
    </termination-requests>
    <loopback-clear-timer>
      loopback-clear-timer
    </loopback-clear-timer>
  </ppp-parameters>
</logical-interface>
</interface-filter-information>
```

**Description** PPP parameters

## <ppp-parameters>

### Usage

```
<interface-policer-information>
<physical-interface>
  <logical-interface>
    <ppp-parameters>
      <lcp-restart-timer>
        lcp-restart-timer
      </lcp-restart-timer>
      <ncp-restart-timer>
        ncp-restart-timer
      </ncp-restart-timer>
      <termination-requests>
        termination-requests
      </termination-requests>
      <loopback-clear-timer>
        loopback-clear-timer
      </loopback-clear-timer>
    </ppp-parameters>
  </logical-interface>
</physical-interface>
</interface-policer-information>
```

**Description** PPP parameters

**<ppp-parameters>****Usage**

```

<interface-policer-information>
  <logical-interface>
    <ppp-parameters>
      <lcp-restart-timer>
        lcp-restart-timer
      </lcp-restart-timer>
      <ncp-restart-timer>
        ncp-restart-timer
      </ncp-restart-timer>
      <termination-requests>
        termination-requests
      </termination-requests>
      <loopback-clear-timer>
        loopback-clear-timer
      </loopback-clear-timer>
    </ppp-parameters>
  </logical-interface>
</interface-policer-information>

```

**Description** PPP parameters

**<pppoe-information>****Usage**

```

<logical-interface>
  <pppoe-information>
    <pppoe-interface>....</pppoe-interface>
  </pppoe-information>
</logical-interface>

```

**Description** PPPoE information

**<pppoe-information>****Usage**

```

<physical-interface>
  <logical-interface>
    <pppoe-information>
      <pppoe-interface>....</pppoe-interface>
    </pppoe-information>
  </logical-interface>
</physical-interface>

```

**Description** PPPoE information

### <pppoe-information>

#### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <pppoe-information>
        <pppoe-interface>....</pppoe-interface>
      </pppoe-information>
    </logical-interface>
  </physical-interface>
</interface-information>
```

**Description**   PPPoE information

### <pppoe-information>

#### Usage

```
<interface-information>
  <logical-interface>
    <pppoe-information>
      <pppoe-interface>....</pppoe-interface>
    </pppoe-information>
  </logical-interface>
</interface-information>
```

**Description**   PPPoE information

### <pppoe-information>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <pppoe-information>
        <pppoe-interface>....</pppoe-interface>
      </pppoe-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description**   PPPoE information

### <pppoe-information>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <pppoe-information>
      <pppoe-interface>....</pppoe-interface>
```

```

    </pppoe-information>
  </logical-interface>
</interface-filter-information>

```

**Description** PPPoE information

### <pppoe-information>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <pppoe-information>
        <pppoe-interface>....</pppoe-interface>
      </pppoe-information>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

**Description** PPPoE information

### <pppoe-information>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <pppoe-information>
      <pppoe-interface>....</pppoe-interface>
    </pppoe-information>
  </logical-interface>
</interface-policer-information>

```

**Description** PPPoE information

### <pppoe-interface>

#### Usage

```

<pppoe-interface>
  <interface-name>
    interface-name
  </interface-name>
  <interface-index>
    interface-index
  </interface-index>
  <underlying-interface-name>
    underlying-interface-name
  </underlying-interface-name>
  <underlying-interface-index>
    underlying-interface-index
  </underlying-interface-index>
  <state>

```

```
    state
  </state>
  <ifl-type>
    ifl-type
  </ifl-type>
  <session-id>
    session-id
  </session-id>
  <ac-name-config>
    ac-name-config
  </ac-name-config>
  <ac-name-session>
    ac-name-session
  </ac-name-session>
  <service-name>
    service-name
  </service-name>
  <remote-mac>
    remote-mac
  </remote-mac>
  <auto-reconnect>
    auto-reconnect
  </auto-reconnect>
  <idle-timeout>
    idle-timeout
  </idle-timeout>
  <session-uptime>
    session-uptime
  </session-uptime>
  <dynamic-profile>
    dynamic-profile
  </dynamic-profile>
  <pppoe-credits>
    pppoe-credits
  </pppoe-credits>
  <pppoe-credit-scale-factor>
    pppoe-credit-scale-factor
  </pppoe-credit-scale-factor>
  <dynamic-interface-bandwidth>
    dynamic-interface-bandwidth
  </dynamic-interface-bandwidth>
  <agent-circuit-id>
    agent-circuit-id
  </agent-circuit-id>
  <agent-remote-id>
    agent-remote-id
  </agent-remote-id>
  <padm-motm>
    padm-motm
  </padm-motm>
  <padm-hurl>
    padm-hurl
  </padm-hurl>
  <padg-credits>
    padg-credits
  </padg-credits>
```

</pppoe-interface>

## Description

<pppoe-interface>

## Usage

```
<logical-interface>
<pppoe-information>
  <pppoe-interface>
    <interface-name>
      interface-name
    </interface-name>
    <interface-index>
      interface-index
    </interface-index>
    <underlying-interface-name>
      underlying-interface-name
    </underlying-interface-name>
    <underlying-interface-index>
      underlying-interface-index
    </underlying-interface-index>
    <state>
      state
    </state>
    <ifl-type>
      ifl-type
    </ifl-type>
    <session-id>
      session-id
    </session-id>
    <ac-name-config>
      ac-name-config
    </ac-name-config>
    <ac-name-session>
      ac-name-session
    </ac-name-session>
    <service-name>
      service-name
    </service-name>
    <remote-mac>
      remote-mac
    </remote-mac>
    <auto-reconnect>
      auto-reconnect
    </auto-reconnect>
    <idle-timeout>
      idle-timeout
    </idle-timeout>
    <session-uptime>
      session-uptime
    </session-uptime>
    <dynamic-profile>
      dynamic-profile
    </dynamic-profile>
```

```
<pppoe-credits>
  pppoe-credits
</pppoe-credits>
<pppoe-credit-scale-factor>
  pppoe-credit-scale-factor
</pppoe-credit-scale-factor>
<dynamic-interface-bandwidth>
  dynamic-interface-bandwidth
</dynamic-interface-bandwidth>
<agent-circuit-id>
  agent-circuit-id
</agent-circuit-id>
<agent-remote-id>
  agent-remote-id
</agent-remote-id>
<padm-motm>
  padm-motm
</padm-motm>
<padm-hurl>
  padm-hurl
</padm-hurl>
<padg-credits>
  padg-credits
</padg-credits>
</pppoe-interface>
</pppoe-information>
</logical-interface>
```

## Description

### <pppoe-interface>

#### Usage

```
<physical-interface>
<logical-interface>
  <pppoe-information>
    <pppoe-interface>
      <interface-name>
        interface-name
      </interface-name>
      <interface-index>
        interface-index
      </interface-index>
      <underlying-interface-name>
        underlying-interface-name
      </underlying-interface-name>
      <underlying-interface-index>
        underlying-interface-index
      </underlying-interface-index>
      <state>
        state
      </state>
      <ifl-type>
        ifl-type
      </ifl-type>
```



```
<session-id>
  session-id
</session-id>
<ac-name-config>
  ac-name-config
</ac-name-config>
<ac-name-session>
  ac-name-session
</ac-name-session>
<service-name>
  service-name
</service-name>
<remote-mac>
  remote-mac
</remote-mac>
<auto-reconnect>
  auto-reconnect
</auto-reconnect>
<idle-timeout>
  idle-timeout
</idle-timeout>
<session-uptime>
  session-uptime
</session-uptime>
<dynamic-profile>
  dynamic-profile
</dynamic-profile>
<pppoe-credits>
  pppoe-credits
</pppoe-credits>
<pppoe-credit-scale-factor>
  pppoe-credit-scale-factor
</pppoe-credit-scale-factor>
<dynamic-interface-bandwidth>
  dynamic-interface-bandwidth
</dynamic-interface-bandwidth>
<agent-circuit-id>
  agent-circuit-id
</agent-circuit-id>
<agent-remote-id>
  agent-remote-id
</agent-remote-id>
<padm-motm>
  padm-motm
</padm-motm>
<padm-hurl>
  padm-hurl
</padm-hurl>
<padg-credits>
  padg-credits
</padg-credits>
</pppoe-interface>
</pppoe-information>
</logical-interface>
</physical-interface>
```

## Description

### <pppoe-interface>

#### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
  <pppoe-information>
    <pppoe-interface>
      <interface-name>
        interface-name
      </interface-name>
      <interface-index>
        interface-index
      </interface-index>
      <underlying-interface-name>
        underlying-interface-name
      </underlying-interface-name>
      <underlying-interface-index>
        underlying-interface-index
      </underlying-interface-index>
      <state>
        state
      </state>
      <ifl-type>
        ifl-type
      </ifl-type>
      <session-id>
        session-id
      </session-id>
      <ac-name-config>
        ac-name-config
      </ac-name-config>
      <ac-name-session>
        ac-name-session
      </ac-name-session>
      <service-name>
        service-name
      </service-name>
      <remote-mac>
        remote-mac
      </remote-mac>
      <auto-reconnect>
        auto-reconnect
      </auto-reconnect>
      <idle-timeout>
        idle-timeout
      </idle-timeout>
      <session-uptime>
        session-uptime
      </session-uptime>
      <dynamic-profile>
        dynamic-profile
      </dynamic-profile>
    <pppoe-credits>
```

```

    pppoe-credits
  </pppoe-credits>
  <pppoe-credit-scale-factor>
    pppoe-credit-scale-factor
  </pppoe-credit-scale-factor>
  <dynamic-interface-bandwidth>
    dynamic-interface-bandwidth
  </dynamic-interface-bandwidth>
  <agent-circuit-id>
    agent-circuit-id
  </agent-circuit-id>
  <agent-remote-id>
    agent-remote-id
  </agent-remote-id>
  <padm-motm>
    padm-motm
  </padm-motm>
  <padm-hurl>
    padm-hurl
  </padm-hurl>
  <padg-credits>
    padg-credits
  </padg-credits>
</pppoe-interface>
</pppoe-information>
</logical-interface>
</physical-interface>
</interface-information>

```

## Description

### <pppoe-interface>

#### Usage

```

<interface-information>
  <logical-interface>
    <pppoe-information>
      <pppoe-interface>
        <interface-name>
          interface-name
        </interface-name>
        <interface-index>
          interface-index
        </interface-index>
        <underlying-interface-name>
          underlying-interface-name
        </underlying-interface-name>
        <underlying-interface-index>
          underlying-interface-index
        </underlying-interface-index>
        <state>
          state
        </state>
        <ifl-type>
          ifl-type

```

```
</ifl-type>
<session-id>
  session-id
</session-id>
<ac-name-config>
  ac-name-config
</ac-name-config>
<ac-name-session>
  ac-name-session
</ac-name-session>
<service-name>
  service-name
</service-name>
<remote-mac>
  remote-mac
</remote-mac>
<auto-reconnect>
  auto-reconnect
</auto-reconnect>
<idle-timeout>
  idle-timeout
</idle-timeout>
<session-uptime>
  session-uptime
</session-uptime>
<dynamic-profile>
  dynamic-profile
</dynamic-profile>
<pppoe-credits>
  pppoe-credits
</pppoe-credits>
<pppoe-credit-scale-factor>
  pppoe-credit-scale-factor
</pppoe-credit-scale-factor>
<dynamic-interface-bandwidth>
  dynamic-interface-bandwidth
</dynamic-interface-bandwidth>
<agent-circuit-id>
  agent-circuit-id
</agent-circuit-id>
<agent-remote-id>
  agent-remote-id
</agent-remote-id>
<padm-motm>
  padm-motm
</padm-motm>
<padm-hurl>
  padm-hurl
</padm-hurl>
<padg-credits>
  padg-credits
</padg-credits>
</pppoe-interface>
</pppoe-information>
</logical-interface>
```

```
</interface-information>
```

## Description

```
<pppoe-interface>
```

## Usage

```
<interface-filter-information>
<physical-interface>
<logical-interface>
  <pppoe-information>
    <pppoe-interface>
      <interface-name>
        interface-name
      </interface-name>
      <interface-index>
        interface-index
      </interface-index>
      <underlying-interface-name>
        underlying-interface-name
      </underlying-interface-name>
      <underlying-interface-index>
        underlying-interface-index
      </underlying-interface-index>
      <state>
        state
      </state>
      <ifl-type>
        ifl-type
      </ifl-type>
      <session-id>
        session-id
      </session-id>
      <ac-name-config>
        ac-name-config
      </ac-name-config>
      <ac-name-session>
        ac-name-session
      </ac-name-session>
      <service-name>
        service-name
      </service-name>
      <remote-mac>
        remote-mac
      </remote-mac>
      <auto-reconnect>
        auto-reconnect
      </auto-reconnect>
      <idle-timeout>
        idle-timeout
      </idle-timeout>
      <session-uptime>
        session-uptime
      </session-uptime>
      <dynamic-profile>
```

```
    dynamic-profile
  </dynamic-profile>
  <pppoe-credits>
    pppoe-credits
  </pppoe-credits>
  <pppoe-credit-scale-factor>
    pppoe-credit-scale-factor
  </pppoe-credit-scale-factor>
  <dynamic-interface-bandwidth>
    dynamic-interface-bandwidth
  </dynamic-interface-bandwidth>
  <agent-circuit-id>
    agent-circuit-id
  </agent-circuit-id>
  <agent-remote-id>
    agent-remote-id
  </agent-remote-id>
  <padm-motm>
    padm-motm
  </padm-motm>
  <padm-hurl>
    padm-hurl
  </padm-hurl>
  <padg-credits>
    padg-credits
  </padg-credits>
</pppoe-interface>
</pppoe-information>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

#### Description

<pppoe-interface>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <pppoe-information>
      <pppoe-interface>
        <interface-name>
          interface-name
        </interface-name>
        <interface-index>
          interface-index
        </interface-index>
        <underlying-interface-name>
          underlying-interface-name
        </underlying-interface-name>
        <underlying-interface-index>
          underlying-interface-index
        </underlying-interface-index>
        <state>
          state
```

```
</state>
<ifl-type>
  ifl-type
</ifl-type>
<session-id>
  session-id
</session-id>
<ac-name-config>
  ac-name-config
</ac-name-config>
<ac-name-session>
  ac-name-session
</ac-name-session>
<service-name>
  service-name
</service-name>
<remote-mac>
  remote-mac
</remote-mac>
<auto-reconnect>
  auto-reconnect
</auto-reconnect>
<idle-timeout>
  idle-timeout
</idle-timeout>
<session-uptime>
  session-uptime
</session-uptime>
<dynamic-profile>
  dynamic-profile
</dynamic-profile>
<pppoe-credits>
  pppoe-credits
</pppoe-credits>
<pppoe-credit-scale-factor>
  pppoe-credit-scale-factor
</pppoe-credit-scale-factor>
<dynamic-interface-bandwidth>
  dynamic-interface-bandwidth
</dynamic-interface-bandwidth>
<agent-circuit-id>
  agent-circuit-id
</agent-circuit-id>
<agent-remote-id>
  agent-remote-id
</agent-remote-id>
<padm-motm>
  padm-motm
</padm-motm>
<padm-hurl>
  padm-hurl
</padm-hurl>
<padg-credits>
  padg-credits
</padg-credits>
</pppoe-interface>
```

```
</pppoe-information>
</logical-interface>
</interface-filter-information>
```

## Description

### <pppoe-interface>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
<pppoe-information>
<pppoe-interface>
<interface-name>
  interface-name
</interface-name>
<interface-index>
  interface-index
</interface-index>
<underlying-interface-name>
  underlying-interface-name
</underlying-interface-name>
<underlying-interface-index>
  underlying-interface-index
</underlying-interface-index>
<state>
  state
</state>
<ifl-type>
  ifl-type
</ifl-type>
<session-id>
  session-id
</session-id>
<ac-name-config>
  ac-name-config
</ac-name-config>
<ac-name-session>
  ac-name-session
</ac-name-session>
<service-name>
  service-name
</service-name>
<remote-mac>
  remote-mac
</remote-mac>
<auto-reconnect>
  auto-reconnect
</auto-reconnect>
<idle-timeout>
  idle-timeout
</idle-timeout>
<session-uptime>
  session-uptime
```



```

</session-uptime>
<dynamic-profile>
  dynamic-profile
</dynamic-profile>
<pppoe-credits>
  pppoe-credits
</pppoe-credits>
<pppoe-credit-scale-factor>
  pppoe-credit-scale-factor
</pppoe-credit-scale-factor>
<dynamic-interface-bandwidth>
  dynamic-interface-bandwidth
</dynamic-interface-bandwidth>
<agent-circuit-id>
  agent-circuit-id
</agent-circuit-id>
<agent-remote-id>
  agent-remote-id
</agent-remote-id>
<padm-motm>
  padm-motm
</padm-motm>
<padm-hurl>
  padm-hurl
</padm-hurl>
<padg-credits>
  padg-credits
</padg-credits>
</pppoe-interface>
</pppoe-information>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

## Description

### <pppoe-interface>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <pppoe-information>
      <pppoe-interface>
        <interface-name>
          interface-name
        </interface-name>
        <interface-index>
          interface-index
        </interface-index>
        <underlying-interface-name>
          underlying-interface-name
        </underlying-interface-name>
        <underlying-interface-index>
          underlying-interface-index
        </underlying-interface-index>
      
```

```
<state>
  state
</state>
<ifl-type>
  ifl-type
</ifl-type>
<session-id>
  session-id
</session-id>
<ac-name-config>
  ac-name-config
</ac-name-config>
<ac-name-session>
  ac-name-session
</ac-name-session>
<service-name>
  service-name
</service-name>
<remote-mac>
  remote-mac
</remote-mac>
<auto-reconnect>
  auto-reconnect
</auto-reconnect>
<idle-timeout>
  idle-timeout
</idle-timeout>
<session-uptime>
  session-uptime
</session-uptime>
<dynamic-profile>
  dynamic-profile
</dynamic-profile>
<pppoe-credits>
  pppoe-credits
</pppoe-credits>
<pppoe-credit-scale-factor>
  pppoe-credit-scale-factor
</pppoe-credit-scale-factor>
<dynamic-interface-bandwidth>
  dynamic-interface-bandwidth
</dynamic-interface-bandwidth>
<agent-circuit-id>
  agent-circuit-id
</agent-circuit-id>
<agent-remote-id>
  agent-remote-id
</agent-remote-id>
<padm-motm>
  padm-motm
</padm-motm>
<padm-hurl>
  padm-hurl
</padm-hurl>
<padg-credits>
  padg-credits
```

```

        </padg-credits>
      </pppoe-interface>
    </pppoe-information>
  </logical-interface>
</interface-policer-information>

```

#### Description

### <pppoe-underlying-information>

#### Usage

```

    <address-family>
      <pppoe-underlying-information>
        <pppoe-underlying-interface>....</pppoe-underlying-interface>
      </pppoe-underlying-information>
    </address-family>

```

**Description**    PPPoE Underlying information

### <pppoe-underlying-information>

#### Usage

```

    <logical-interface>
      <pppoe-underlying-information>
        <pppoe-underlying-interface>....</pppoe-underlying-interface>
      </pppoe-underlying-information>
    </logical-interface>

```

**Description**    PPPoE Underlying information

### <pppoe-underlying-information>

#### Usage

```

    <logical-interface>
      <address-family>
        <pppoe-underlying-information>
          <pppoe-underlying-interface>....</pppoe-underlying-interface>
        </pppoe-underlying-information>
      </address-family>
    </logical-interface>

```

**Description**    PPPoE Underlying information

### <pppoe-underlying-information>

#### Usage

```

    <physical-interface>
      <logical-interface>
        <pppoe-underlying-information>
          <pppoe-underlying-interface>....</pppoe-underlying-interface>
        </pppoe-underlying-information>
      </logical-interface>
    </physical-interface>

```

```
</pppoe-underlying-information>
</logical-interface>
</physical-interface>
```

**Description** PPPoE Underlying information

### <pppoe-underlying-information>

#### Usage

```
<physical-interface>
<logical-interface>
  <address-family>
    <pppoe-underlying-information>
      <pppoe-underlying-interface>....</pppoe-underlying-interface>
    </pppoe-underlying-information>
  </address-family>
</logical-interface>
</physical-interface>
```

**Description** PPPoE Underlying information

### <pppoe-underlying-information>

#### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
  <pppoe-underlying-information>
    <pppoe-underlying-interface>....</pppoe-underlying-interface>
  </pppoe-underlying-information>
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** PPPoE Underlying information

### <pppoe-underlying-information>

#### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
  <address-family>
    <pppoe-underlying-information>
      <pppoe-underlying-interface>....</pppoe-underlying-interface>
    </pppoe-underlying-information>
  </address-family>
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** PPPoE Underlying information

### <pppoe-underlying-information>

#### Usage

```
<interface-information>
  <logical-interface>
    <pppoe-underlying-information>
      <pppoe-underlying-interface>....</pppoe-underlying-interface>
    </pppoe-underlying-information>
  </logical-interface>
</interface-information>
```

**Description** PPPoE Underlying information

### <pppoe-underlying-information>

#### Usage

```
<interface-information>
  <logical-interface>
    <address-family>
      <pppoe-underlying-information>
        <pppoe-underlying-interface>....</pppoe-underlying-interface>
      </pppoe-underlying-information>
    </address-family>
  </logical-interface>
</interface-information>
```

**Description** PPPoE Underlying information

### <pppoe-underlying-information>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <pppoe-underlying-information>
        <pppoe-underlying-interface>....</pppoe-underlying-interface>
      </pppoe-underlying-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description** PPPoE Underlying information

### <pppoe-underlying-information>

#### Usage

```
<interface-filter-information>
  <physical-interface>
```

```
<logical-interface>
  <address-family>
    <pppoe-underlying-information>
      <pppoe-underlying-interface>....</pppoe-underlying-interface>
    </pppoe-underlying-information>
  </address-family>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

**Description** PPPoE Underlying information

### <pppoe-underlying-information>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <pppoe-underlying-information>
      <pppoe-underlying-interface>....</pppoe-underlying-interface>
    </pppoe-underlying-information>
  </logical-interface>
</interface-filter-information>
```

**Description** PPPoE Underlying information

### <pppoe-underlying-information>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <address-family>
      <pppoe-underlying-information>
        <pppoe-underlying-interface>....</pppoe-underlying-interface>
      </pppoe-underlying-information>
    </address-family>
  </logical-interface>
</interface-filter-information>
```

**Description** PPPoE Underlying information

### <pppoe-underlying-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <pppoe-underlying-information>
        <pppoe-underlying-interface>....</pppoe-underlying-interface>
      </pppoe-underlying-information>
    </logical-interface>
  </physical-interface>
```

</interface-policer-information>

**Description**    PPPoE Underlying information

### <pppoe-underlying-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <address-family>
        <pppoe-underlying-information>
          <pppoe-underlying-interface>....</pppoe-underlying-interface>
        </pppoe-underlying-information>
      </address-family>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```

**Description**    PPPoE Underlying information

### <pppoe-underlying-information>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <pppoe-underlying-information>
      <pppoe-underlying-interface>....</pppoe-underlying-interface>
    </pppoe-underlying-information>
  </logical-interface>
</interface-policer-information>
```

**Description**    PPPoE Underlying information

### <pppoe-underlying-information>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <address-family>
      <pppoe-underlying-information>
        <pppoe-underlying-interface>....</pppoe-underlying-interface>
      </pppoe-underlying-information>
    </address-family>
  </logical-interface>
</interface-policer-information>
```

**Description**    PPPoE Underlying information

## <pppoe-underlying-interface>

### Usage

```
<pppoe-underlying-interface>
  <underlying-interface-name>
    underlying-interface-name
  </underlying-interface-name>
  <underlying-interface-index>
    underlying-interface-index
  </underlying-interface-index>
  <state>
    state
  </state>
  <dynamic-profile>
    dynamic-profile
  </dynamic-profile>
  <max-sessions>
    max-sessions
  </max-sessions>
  <max-sessions-vsa-ignore>
    max-sessions-vsa-ignore
  </max-sessions-vsa-ignore>
  <active-sessions>
    active-sessions
  </active-sessions>
  <ac-name>
    ac-name
  </ac-name>
  <service-name-table>
    service-name-table
  </service-name-table>
  <duplicate-protection>
    duplicate-protection
  </duplicate-protection>
</pppoe-underlying-interface>
```

### Description

## <pppoe-underlying-interface>

### Usage

```
<address-family>
  <pppoe-underlying-information>
    <pppoe-underlying-interface>
      <underlying-interface-name>
        underlying-interface-name
      </underlying-interface-name>
      <underlying-interface-index>
        underlying-interface-index
      </underlying-interface-index>
      <state>
        state
      </state>
      <dynamic-profile>
```



```

    dynamic-profile
  </dynamic-profile>
  <max-sessions>
    max-sessions
  </max-sessions>
  <max-sessions-vsa-ignore>
    max-sessions-vsa-ignore
  </max-sessions-vsa-ignore>
  <active-sessions>
    active-sessions
  </active-sessions>
  <ac-name>
    ac-name
  </ac-name>
  <service-name-table>
    service-name-table
  </service-name-table>
  <duplicate-protection>
    duplicate-protection
  </duplicate-protection>
</pppoe-underlying-interface>
</pppoe-underlying-information>
</address-family>

```

## Description

### <pppoe-underlying-interface>

#### Usage

```

<logical-interface>
  <pppoe-underlying-information>
    <pppoe-underlying-interface>
      <underlying-interface-name>
        underlying-interface-name
      </underlying-interface-name>
      <underlying-interface-index>
        underlying-interface-index
      </underlying-interface-index>
      <state>
        state
      </state>
      <dynamic-profile>
        dynamic-profile
      </dynamic-profile>
      <max-sessions>
        max-sessions
      </max-sessions>
      <max-sessions-vsa-ignore>
        max-sessions-vsa-ignore
      </max-sessions-vsa-ignore>
      <active-sessions>
        active-sessions
      </active-sessions>
      <ac-name>
        ac-name

```

```
</ac-name>
<service-name-table>
  service-name-table
</service-name-table>
<duplicate-protection>
  duplicate-protection
</duplicate-protection>
</pppoe-underlying-interface>
</pppoe-underlying-information>
</logical-interface>
```

## Description

### <pppoe-underlying-interface>

#### Usage

```
<logical-interface>
<address-family>
<pppoe-underlying-information>
  <pppoe-underlying-interface>
    <underlying-interface-name>
      underlying-interface-name
    </underlying-interface-name>
    <underlying-interface-index>
      underlying-interface-index
    </underlying-interface-index>
    <state>
      state
    </state>
    <dynamic-profile>
      dynamic-profile
    </dynamic-profile>
    <max-sessions>
      max-sessions
    </max-sessions>
    <max-sessions-vsa-ignore>
      max-sessions-vsa-ignore
    </max-sessions-vsa-ignore>
    <active-sessions>
      active-sessions
    </active-sessions>
    <ac-name>
      ac-name
    </ac-name>
    <service-name-table>
      service-name-table
    </service-name-table>
    <duplicate-protection>
      duplicate-protection
    </duplicate-protection>
  </pppoe-underlying-interface>
</pppoe-underlying-information>
</address-family>
</logical-interface>
```

## Description

## &lt;pppoe-underlying-interface&gt;

## Usage

```

<physical-interface>
<logical-interface>
  <pppoe-underlying-information>
    <pppoe-underlying-interface>
      <underlying-interface-name>
        underlying-interface-name
      </underlying-interface-name>
      <underlying-interface-index>
        underlying-interface-index
      </underlying-interface-index>
      <state>
        state
      </state>
      <dynamic-profile>
        dynamic-profile
      </dynamic-profile>
      <max-sessions>
        max-sessions
      </max-sessions>
      <max-sessions-vsa-ignore>
        max-sessions-vsa-ignore
      </max-sessions-vsa-ignore>
      <active-sessions>
        active-sessions
      </active-sessions>
      <ac-name>
        ac-name
      </ac-name>
      <service-name-table>
        service-name-table
      </service-name-table>
      <duplicate-protection>
        duplicate-protection
      </duplicate-protection>
    </pppoe-underlying-interface>
  </pppoe-underlying-information>
</logical-interface>
</physical-interface>

```

## Description

## &lt;pppoe-underlying-interface&gt;

## Usage

```

<physical-interface>
<logical-interface>
  <address-family>
    <pppoe-underlying-information>
      <pppoe-underlying-interface>
        <underlying-interface-name>

```

```
    underlying-interface-name
  </underlying-interface-name>
  <underlying-interface-index>
    underlying-interface-index
  </underlying-interface-index>
  <state>
    state
  </state>
  <dynamic-profile>
    dynamic-profile
  </dynamic-profile>
  <max-sessions>
    max-sessions
  </max-sessions>
  <max-sessions-vsa-ignore>
    max-sessions-vsa-ignore
  </max-sessions-vsa-ignore>
  <active-sessions>
    active-sessions
  </active-sessions>
  <ac-name>
    ac-name
  </ac-name>
  <service-name-table>
    service-name-table
  </service-name-table>
  <duplicate-protection>
    duplicate-protection
  </duplicate-protection>
</pppoe-underlying-interface>
</pppoe-underlying-information>
</address-family>
</logical-interface>
</physical-interface>
```

## Description

### <pppoe-underlying-interface>

#### Usage

```
<interface-information>
  <physical-interface>
  <logical-interface>
    <pppoe-underlying-information>
      <pppoe-underlying-interface>
        <underlying-interface-name>
          underlying-interface-name
        </underlying-interface-name>
        <underlying-interface-index>
          underlying-interface-index
        </underlying-interface-index>
        <state>
          state
        </state>
      <dynamic-profile>
```

```

    dynamic-profile
  </dynamic-profile>
  <max-sessions>
    max-sessions
  </max-sessions>
  <max-sessions-vsa-ignore>
    max-sessions-vsa-ignore
  </max-sessions-vsa-ignore>
  <active-sessions>
    active-sessions
  </active-sessions>
  <ac-name>
    ac-name
  </ac-name>
  <service-name-table>
    service-name-table
  </service-name-table>
  <duplicate-protection>
    duplicate-protection
  </duplicate-protection>
</pppoe-underlying-interface>
</pppoe-underlying-information>
</logical-interface>
</physical-interface>
</interface-information>

```

## Description

### <pppoe-underlying-interface>

#### Usage

```

<interface-information>
  <physical-interface>
  <logical-interface>
    <address-family>
      <pppoe-underlying-information>
        <pppoe-underlying-interface>
          <underlying-interface-name>
            underlying-interface-name
          </underlying-interface-name>
          <underlying-interface-index>
            underlying-interface-index
          </underlying-interface-index>
          <state>
            state
          </state>
          <dynamic-profile>
            dynamic-profile
          </dynamic-profile>
          <max-sessions>
            max-sessions
          </max-sessions>
          <max-sessions-vsa-ignore>
            max-sessions-vsa-ignore
          </max-sessions-vsa-ignore>

```

```
<active-sessions>
  active-sessions
</active-sessions>
<ac-name>
  ac-name
</ac-name>
<service-name-table>
  service-name-table
</service-name-table>
<duplicate-protection>
  duplicate-protection
</duplicate-protection>
</pppoe-underlying-interface>
</pppoe-underlying-information>
</address-family>
</logical-interface>
</physical-interface>
</interface-information>
```

## Description

### <pppoe-underlying-interface>

#### Usage

```
<interface-information>
<logical-interface>
  <pppoe-underlying-information>
    <pppoe-underlying-interface>
      <underlying-interface-name>
        underlying-interface-name
      </underlying-interface-name>
      <underlying-interface-index>
        underlying-interface-index
      </underlying-interface-index>
      <state>
        state
      </state>
      <dynamic-profile>
        dynamic-profile
      </dynamic-profile>
      <max-sessions>
        max-sessions
      </max-sessions>
      <max-sessions-vsa-ignore>
        max-sessions-vsa-ignore
      </max-sessions-vsa-ignore>
      <active-sessions>
        active-sessions
      </active-sessions>
      <ac-name>
        ac-name
      </ac-name>
      <service-name-table>
        service-name-table
      </service-name-table>
```

```

    <duplicate-protection>
      duplicate-protection
    </duplicate-protection>
  </pppoe-underlying-interface>
</pppoe-underlying-information>
</logical-interface>
</interface-information>

```

## Description

### <pppoe-underlying-interface>

#### Usage

```

<interface-information>
  <logical-interface>
    <address-family>
      <pppoe-underlying-information>
        <pppoe-underlying-interface>
          <underlying-interface-name>
            underlying-interface-name
          </underlying-interface-name>
          <underlying-interface-index>
            underlying-interface-index
          </underlying-interface-index>
          <state>
            state
          </state>
          <dynamic-profile>
            dynamic-profile
          </dynamic-profile>
          <max-sessions>
            max-sessions
          </max-sessions>
          <max-sessions-vsa-ignore>
            max-sessions-vsa-ignore
          </max-sessions-vsa-ignore>
          <active-sessions>
            active-sessions
          </active-sessions>
          <ac-name>
            ac-name
          </ac-name>
          <service-name-table>
            service-name-table
          </service-name-table>
          <duplicate-protection>
            duplicate-protection
          </duplicate-protection>
        </pppoe-underlying-interface>
      </pppoe-underlying-information>
    </address-family>
  </logical-interface>
</interface-information>

```

## Description

### <pppoe-underlying-interface>

#### Usage

```
<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <pppoe-underlying-information>
      <pppoe-underlying-interface>
        <underlying-interface-name>
          underlying-interface-name
        </underlying-interface-name>
        <underlying-interface-index>
          underlying-interface-index
        </underlying-interface-index>
        <state>
          state
        </state>
        <dynamic-profile>
          dynamic-profile
        </dynamic-profile>
        <max-sessions>
          max-sessions
        </max-sessions>
        <max-sessions-vsa-ignore>
          max-sessions-vsa-ignore
        </max-sessions-vsa-ignore>
        <active-sessions>
          active-sessions
        </active-sessions>
        <ac-name>
          ac-name
        </ac-name>
        <service-name-table>
          service-name-table
        </service-name-table>
        <duplicate-protection>
          duplicate-protection
        </duplicate-protection>
      </pppoe-underlying-interface>
    </pppoe-underlying-information>
  </logical-interface>
</physical-interface>
</interface-filter-information>
```

## Description

### <pppoe-underlying-interface>

#### Usage

```
<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <address-family>
```



```

<pppoe-underlying-information>
  <pppoe-underlying-interface>
    <underlying-interface-name>
      underlying-interface-name
    </underlying-interface-name>
    <underlying-interface-index>
      underlying-interface-index
    </underlying-interface-index>
    <state>
      state
    </state>
    <dynamic-profile>
      dynamic-profile
    </dynamic-profile>
    <max-sessions>
      max-sessions
    </max-sessions>
    <max-sessions-vsa-ignore>
      max-sessions-vsa-ignore
    </max-sessions-vsa-ignore>
    <active-sessions>
      active-sessions
    </active-sessions>
    <ac-name>
      ac-name
    </ac-name>
    <service-name-table>
      service-name-table
    </service-name-table>
    <duplicate-protection>
      duplicate-protection
    </duplicate-protection>
  </pppoe-underlying-interface>
</pppoe-underlying-information>
</address-family>
</logical-interface>
</physical-interface>
</interface-filter-information>

```

## Description

### <pppoe-underlying-interface>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <pppoe-underlying-information>
      <pppoe-underlying-interface>
        <underlying-interface-name>
          underlying-interface-name
        </underlying-interface-name>
        <underlying-interface-index>
          underlying-interface-index
        </underlying-interface-index>
        <state>

```

```
    state
  </state>
  <dynamic-profile>
    dynamic-profile
  </dynamic-profile>
  <max-sessions>
    max-sessions
  </max-sessions>
  <max-sessions-vsa-ignore>
    max-sessions-vsa-ignore
  </max-sessions-vsa-ignore>
  <active-sessions>
    active-sessions
  </active-sessions>
  <ac-name>
    ac-name
  </ac-name>
  <service-name-table>
    service-name-table
  </service-name-table>
  <duplicate-protection>
    duplicate-protection
  </duplicate-protection>
</pppoe-underlying-interface>
</pppoe-underlying-information>
</logical-interface>
</interface-filter-information>
```

## Description

### <pppoe-underlying-interface>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <address-family>
      <pppoe-underlying-information>
        <pppoe-underlying-interface>
          <underlying-interface-name>
            underlying-interface-name
          </underlying-interface-name>
          <underlying-interface-index>
            underlying-interface-index
          </underlying-interface-index>
          <state>
            state
          </state>
          <dynamic-profile>
            dynamic-profile
          </dynamic-profile>
          <max-sessions>
            max-sessions
          </max-sessions>
          <max-sessions-vsa-ignore>
            max-sessions-vsa-ignore
```

```

</max-sessions-vsa-ignore>
<active-sessions>
  active-sessions
</active-sessions>
<ac-name>
  ac-name
</ac-name>
<service-name-table>
  service-name-table
</service-name-table>
<duplicate-protection>
  duplicate-protection
</duplicate-protection>
</pppoe-underlying-interface>
</pppoe-underlying-information>
</address-family>
</logical-interface>
</interface-filter-information>

```

## Description

### <pppoe-underlying-interface>

#### Usage

```

<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <pppoe-underlying-information>
      <pppoe-underlying-interface>
        <underlying-interface-name>
          underlying-interface-name
        </underlying-interface-name>
        <underlying-interface-index>
          underlying-interface-index
        </underlying-interface-index>
        <state>
          state
        </state>
        <dynamic-profile>
          dynamic-profile
        </dynamic-profile>
        <max-sessions>
          max-sessions
        </max-sessions>
        <max-sessions-vsa-ignore>
          max-sessions-vsa-ignore
        </max-sessions-vsa-ignore>
        <active-sessions>
          active-sessions
        </active-sessions>
        <ac-name>
          ac-name
        </ac-name>
        <service-name-table>
          service-name-table

```

```
</service-name-table>
<duplicate-protection>
  duplicate-protection
</duplicate-protection>
</pppoe-underlying-interface>
</pppoe-underlying-information>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

## Description

### <pppoe-underlying-interface>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
  <address-family>
    <pppoe-underlying-information>
      <pppoe-underlying-interface>
        <underlying-interface-name>
          underlying-interface-name
        </underlying-interface-name>
        <underlying-interface-index>
          underlying-interface-index
        </underlying-interface-index>
        <state>
          state
        </state>
        <dynamic-profile>
          dynamic-profile
        </dynamic-profile>
        <max-sessions>
          max-sessions
        </max-sessions>
        <max-sessions-vsa-ignore>
          max-sessions-vsa-ignore
        </max-sessions-vsa-ignore>
        <active-sessions>
          active-sessions
        </active-sessions>
        <ac-name>
          ac-name
        </ac-name>
        <service-name-table>
          service-name-table
        </service-name-table>
        <duplicate-protection>
          duplicate-protection
        </duplicate-protection>
      </pppoe-underlying-interface>
    </pppoe-underlying-information>
  </address-family>
</logical-interface>
```

```

    </physical-interface>
  </interface-policer-information>

```

## Description

### <pppoe-underlying-interface>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <pppoe-underlying-information>
      <pppoe-underlying-interface>
        <underlying-interface-name>
          underlying-interface-name
        </underlying-interface-name>
        <underlying-interface-index>
          underlying-interface-index
        </underlying-interface-index>
        <state>
          state
        </state>
        <dynamic-profile>
          dynamic-profile
        </dynamic-profile>
        <max-sessions>
          max-sessions
        </max-sessions>
        <max-sessions-vsa-ignore>
          max-sessions-vsa-ignore
        </max-sessions-vsa-ignore>
        <active-sessions>
          active-sessions
        </active-sessions>
        <ac-name>
          ac-name
        </ac-name>
        <service-name-table>
          service-name-table
        </service-name-table>
        <duplicate-protection>
          duplicate-protection
        </duplicate-protection>
      </pppoe-underlying-interface>
    </pppoe-underlying-information>
  </logical-interface>
</interface-policer-information>

```

## Description

### <pppoe-underlying-interface>

#### Usage

```

<interface-policer-information>
  <logical-interface>

```

```
<address-family>
  <pppoe-underlying-information>
    <pppoe-underlying-interface>
      <underlying-interface-name>
        underlying-interface-name
      </underlying-interface-name>
      <underlying-interface-index>
        underlying-interface-index
      </underlying-interface-index>
      <state>
        state
      </state>
      <dynamic-profile>
        dynamic-profile
      </dynamic-profile>
      <max-sessions>
        max-sessions
      </max-sessions>
      <max-sessions-vsa-ignore>
        max-sessions-vsa-ignore
      </max-sessions-vsa-ignore>
      <active-sessions>
        active-sessions
      </active-sessions>
      <ac-name>
        ac-name
      </ac-name>
      <service-name-table>
        service-name-table
      </service-name-table>
      <duplicate-protection>
        duplicate-protection
      </duplicate-protection>
    </pppoe-underlying-interface>
  </pppoe-underlying-information>
</address-family>
</logical-interface>
</interface-policer-information>
```

## Description

### <preserve-interface-statistics>

#### Usage

```
<physical-interface>
  <preserve-interface-statistics>
    <if-switchover-total>
      if-switchover-total
    </if-switchover-total>
    <if-switchover-last-attempt>
      if-switchover-last-attempt
    </if-switchover-last-attempt>
    <if-switchover-last-time>
      if-switchover-last-time
    </if-switchover-last-time>
```

```

    <if-switchover-min-max-avg-time>
      if-switchover-min-max-avg-time
    </if-switchover-min-max-avg-time>
  </preserve-interface-statistics>
</physical-interface>

```

**Description** Interface switchover statistics

### <preserve-interface-statistics>

#### Usage

```

<interface-information>
  <physical-interface>
    <preserve-interface-statistics>
      <if-switchover-total>
        if-switchover-total
      </if-switchover-total>
      <if-switchover-last-attempt>
        if-switchover-last-attempt
      </if-switchover-last-attempt>
      <if-switchover-last-time>
        if-switchover-last-time
      </if-switchover-last-time>
      <if-switchover-min-max-avg-time>
        if-switchover-min-max-avg-time
      </if-switchover-min-max-avg-time>
    </preserve-interface-statistics>
  </physical-interface>
</interface-information>

```

**Description** Interface switchover statistics

### <preserve-interface-statistics>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <preserve-interface-statistics>
      <if-switchover-total>
        if-switchover-total
      </if-switchover-total>
      <if-switchover-last-attempt>
        if-switchover-last-attempt
      </if-switchover-last-attempt>
      <if-switchover-last-time>
        if-switchover-last-time
      </if-switchover-last-time>
      <if-switchover-min-max-avg-time>
        if-switchover-min-max-avg-time
      </if-switchover-min-max-avg-time>
    </preserve-interface-statistics>
  </physical-interface>

```

</interface-filter-information>

**Description**    Interface switchover statistics

### <preserve-interface-statistics>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <preserve-interface-statistics>
      <if-switchover-total>
        if-switchover-total
      </if-switchover-total>
      <if-switchover-last-attempt>
        if-switchover-last-attempt
      </if-switchover-last-attempt>
      <if-switchover-last-time>
        if-switchover-last-time
      </if-switchover-last-time>
      <if-switchover-min-max-avg-time>
        if-switchover-min-max-avg-time
      </if-switchover-min-max-avg-time>
    </preserve-interface-statistics>
  </physical-interface>
</interface-policer-information>
```

**Description**    Interface switchover statistics

### <queue>

#### Usage

```
<queue-counters>
  <queue>
    <queue-number>
      queue-number
    </queue-number>
    <forwarding-class-name>
      forwarding-class-name
    </forwarding-class-name>
    <queue-counters-queued-packets>
      queue-counters-queued-packets
    </queue-counters-queued-packets>
    <queue-counters-queued-packets-na>
      queue-counters-queued-packets-na
    </queue-counters-queued-packets-na>
    <queue-counters-queued-bytes-na>
      queue-counters-queued-bytes-na
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```

**Description** Counters for a single queue

## <queue>

### Usage

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</chassis-queue-counters>
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**Description** Counters for a single queue

## <queue>

### Usage

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    queue-counters-red-bytes-rate-ht
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  </queue-counters-red-packets-hn>
  <queue-counters-red-bytes-hn>
    queue-counters-red-bytes-hn
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```

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</queue-counters-total-drop-bytes>
<queue-counters-total-drop-bytes-rate>
  queue-counters-total-drop-bytes-rate
</queue-counters-total-drop-bytes-rate>
</queue>
</ingress-queue-counters>
```

**Description** Counters for a single queue

## <queue>

### Usage

```
<logical-interface>
<queue-counters>
  <queue>
    <queue-number>
      queue-number
    </queue-number>
    <forwarding-class-name>
      forwarding-class-name
    </forwarding-class-name>
    <queue-counters-queued-packets>
      queue-counters-queued-packets
    </queue-counters-queued-packets>
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      queue-counters-queued-packets-na
    </queue-counters-queued-packets-na>
    <queue-counters-queued-bytes-na>
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    <queue-counters-queued-bytes>
      queue-counters-queued-bytes
    </queue-counters-queued-bytes>
    <queue-counters-queued-packets-rate>
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    <queue-counters-queued-bytes-rate>
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    </queue-counters-trans-packets>
    <queue-counters-trans-bytes>
      queue-counters-trans-bytes
    </queue-counters-trans-bytes>
    <queue-counters-trans-packets-rate>
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    </queue-counters-trans-packets-rate>
```

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  queue-counters-red-packets-ln
```

```
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<queue-counters-red-bytes-rate-low>
```

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    queue-counters-red-packets-medium-low
  </queue-counters-red-packets-medium-low>
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    queue-counters-red-bytes-medium-low
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    queue-counters-red-packets-rate-medium-low
  </queue-counters-red-packets-rate-medium-low>
  <queue-counters-red-bytes-rate-medium-low>
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    queue-counters-red-packets-rate-medium-high
  </queue-counters-red-packets-rate-medium-high>
  <queue-counters-red-bytes-rate-medium-high>
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  <queue-counters-total-drop-packets-rate>
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```

```
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<queue-counters-total-drop-bytes-rate>
  queue-counters-total-drop-bytes-rate
</queue-counters-total-drop-bytes-rate>
</queue>
</queue-counters>
</logical-interface>
```

**Description** Counters for a single queue

## <queue>

### Usage

```
<logical-interface>
<ingress-queue-counters>
  <queue>
    <queue-number>
      queue-number
    </queue-number>
    <forwarding-class-name>
      forwarding-class-name
    </forwarding-class-name>
    <queue-counters-queued-packets>
      queue-counters-queued-packets
    </queue-counters-queued-packets>
    <queue-counters-queued-packets-na>
      queue-counters-queued-packets-na
    </queue-counters-queued-packets-na>
    <queue-counters-queued-bytes-na>
      queue-counters-queued-bytes-na
    </queue-counters-queued-bytes-na>
    <queue-counters-queued-bytes>
      queue-counters-queued-bytes
    </queue-counters-queued-bytes>
    <queue-counters-queued-packets-rate>
      queue-counters-queued-packets-rate
    </queue-counters-queued-packets-rate>
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    </queue-counters-queued-bytes-rate>
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      queue-counters-trans-packets-rate
    </queue-counters-trans-packets-rate>
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```



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queue-counters-total-drop-bytes
</queue-counters-total-drop-bytes>
```

```
<queue-counters-total-drop-bytes-rate>
  queue-counters-total-drop-bytes-rate
</queue-counters-total-drop-bytes-rate>
</queue>
</ingress-queue-counters>
</logical-interface>
```

**Description** Counters for a single queue

## <queue>

### Usage

```
<physical-interface>
  <queue-counters>
    <queue>
      <queue-number>
        queue-number
      </queue-number>
      <forwarding-class-name>
        forwarding-class-name
      </forwarding-class-name>
      <queue-counters-queued-packets>
        queue-counters-queued-packets
      </queue-counters-queued-packets>
      <queue-counters-queued-packets-na>
        queue-counters-queued-packets-na
      </queue-counters-queued-packets-na>
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```

```
</queue>
</queue-counters>
</physical-interface>
```

**Description**    Counters for a single queue

## <queue>

### Usage

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<logical-interface>
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        queue-number
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</queue-counters>

```

```
</logical-interface>  
</physical-interface>
```

**Description** Counters for a single queue

## <queue>

### Usage

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  <logical-interface>  
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    queue-counters-total-drop-bytes
  </queue-counters-total-drop-bytes>
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    queue-counters-total-drop-bytes-rate
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</queue>
</ingress-queue-counters>
</logical-interface>

```

</physical-interface>

**Description**    Counters for a single queue

## <queue>

### Usage

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        queue-number
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      </forwarding-class-name>
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        queue-counters-queued-packets-na
      </queue-counters-queued-packets-na>
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      <queue-counters-queued-bytes>
        queue-counters-queued-bytes
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        queue-counters-tail-drop-packets-na
```



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</queue-counters-total-drop-bytes-rate>
</queue>
</chassis-queue-counters>
</physical-interface>

```

**Description**    Counters for a single queue

## <queue>

### Usage

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  <ingress-queue-counters>
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        queue-number
      </queue-number>
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        forwarding-class-name
      </forwarding-class-name>
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      </queue-counters-queued-packets>
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      </queue-counters-queued-packets-rate>
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```

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</queue-counters-total-drop-bytes>
<queue-counters-total-drop-bytes-rate>
  queue-counters-total-drop-bytes-rate
</queue-counters-total-drop-bytes-rate>
</queue>
</ingress-queue-counters>
</physical-interface>

```

**Description** Counters for a single queue

## <queue>

### Usage

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```

**Description** Counters for a single queue

## <queue>

### Usage

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</interface-set>

```

**Description** Counters for a single queue

## &lt;queue&gt;

## Usage

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</interface-information>

```

**Description** Counters for a single queue

## &lt;queue&gt;

## Usage

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</interface-information>

```

**Description**    Counters for a single queue

## <queue>

### Usage

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  <logical-interface>
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    queue-counters-total-drop-bytes
  </queue-counters-total-drop-bytes>
  <queue-counters-total-drop-bytes-rate>
    queue-counters-total-drop-bytes-rate
  </queue-counters-total-drop-bytes-rate>
</queue>
</ingress-queue-counters>
</logical-interface>
</physical-interface>
</interface-information>

```

**Description**    Counters for a single queue

## <queue>

### Usage

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    <chassis-queue-counters>
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          queue-number
        </queue-number>
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          forwarding-class-name
        </forwarding-class-name>
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          queue-counters-queued-packets
        </queue-counters-queued-packets>
        <queue-counters-queued-packets-na>
          queue-counters-queued-packets-na
        </queue-counters-queued-packets-na>
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          queue-counters-queued-bytes-na
        </queue-counters-queued-bytes-na>
        <queue-counters-queued-bytes>
          queue-counters-queued-bytes
        </queue-counters-queued-bytes>
        <queue-counters-queued-packets-rate>
          queue-counters-queued-packets-rate
        </queue-counters-queued-packets-rate>
        <queue-counters-queued-bytes-rate>
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        <queue-counters-tail-drop-packets-rate>
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        </queue-counters-tail-drop-packets-rate>
        <queue-counters-tail-drop-packets-na>
          queue-counters-tail-drop-packets-na
        </queue-counters-tail-drop-packets-na>
        <queue-counters-tail-drop-bytes>
```

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```

```

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</queue>
</chassis-queue-counters>
</physical-interface>
</interface-information>

```

**Description**    Counters for a single queue

## <queue>

### Usage

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<interface-information>
<physical-interface>
  <ingress-queue-counters>
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      <queue-number>
        queue-number
      </queue-number>
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        forwarding-class-name
      </forwarding-class-name>
      <queue-counters-queued-packets>
        queue-counters-queued-packets
      </queue-counters-queued-packets>
      <queue-counters-queued-packets-na>
        queue-counters-queued-packets-na
      </queue-counters-queued-packets-na>
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        queue-counters-queued-bytes-na
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      <queue-counters-queued-bytes>
        queue-counters-queued-bytes
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      </queue-counters-queued-packets-rate>
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```



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```

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</queue-counters-total-drop-bytes-rate>
</queue>
</ingress-queue-counters>
</physical-interface>
</interface-information>

```

**Description**    Counters for a single queue

## <queue>

### Usage

```
<interface-information>
  <logical-interface>
    <queue-counters>
      <queue>
        <queue-number>
          queue-number
        </queue-number>
        <forwarding-class-name>
          forwarding-class-name
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        <queue-counters-queued-packets-rate>
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</interface-information>

```

**Description**    Counters for a single queue

## <queue>

### Usage

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</interface-information>

```

**Description**    Counters for a single queue

## <queue>

### Usage

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  </queue-counters-total-drop-packets-rate>
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  </queue-counters-total-drop-bytes>
  <queue-counters-total-drop-bytes-rate>
    queue-counters-total-drop-bytes-rate
  </queue-counters-total-drop-bytes-rate>
</queue>
</queue-counters>
</interface-set-queue-information>
</interface-set>
</interface-information>

```

**Description**    Counters for a single queue

## <queue>

### Usage

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<interface-set>
  <interface-set-queue-information>
    <ingress-queue-counters>
      <queue>
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          queue-number
        </queue-number>
        <forwarding-class-name>
          forwarding-class-name
        </forwarding-class-name>
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          queue-counters-queued-packets
        </queue-counters-queued-packets>
        <queue-counters-queued-packets-na>
          queue-counters-queued-packets-na
        </queue-counters-queued-packets-na>
        <queue-counters-queued-bytes-na>
          queue-counters-queued-bytes-na
        </queue-counters-queued-bytes-na>
        <queue-counters-queued-bytes>
          queue-counters-queued-bytes
        </queue-counters-queued-bytes>
        <queue-counters-queued-packets-rate>
          queue-counters-queued-packets-rate
        </queue-counters-queued-packets-rate>
        <queue-counters-queued-bytes-rate>
          queue-counters-queued-bytes-rate
        </queue-counters-queued-bytes-rate>
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        </queue-counters-trans-packets>
        <queue-counters-trans-bytes>
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          queue-counters-trans-bytes-rate
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          queue-counters-tail-drop-packets-rate
        </queue-counters-tail-drop-packets-rate>
        <queue-counters-tail-drop-packets-na>
          queue-counters-tail-drop-packets-na
        </queue-counters-tail-drop-packets-na>
```



```
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</queue-counters-red-bytes-rate-ln>
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  queue-counters-red-packets-lt
```

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</queue-counters-red-bytes-lt>
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</queue-counters-red-packets-medium-low>
<queue-counters-red-bytes-medium-low>
  queue-counters-red-bytes-medium-low
</queue-counters-red-bytes-medium-low>
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  queue-counters-red-packets-rate-medium-low
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<queue-counters-red-bytes-rate-medium-low>
```

```

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    queue-counters-red-packets-medium-high
  </queue-counters-red-packets-medium-high>
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    queue-counters-red-bytes-medium-high
  </queue-counters-red-bytes-medium-high>
  <queue-counters-red-packets-rate-medium-high>
    queue-counters-red-packets-rate-medium-high
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    queue-counters-red-packets-rate-high
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  </queue-counters-total-drop-bytes>
  <queue-counters-total-drop-bytes-rate>
    queue-counters-total-drop-bytes-rate
  </queue-counters-total-drop-bytes-rate>
</queue>
</ingress-queue-counters>
</interface-set-queue-information>
</interface-set>
</interface-information>

```

**Description**    Counters for a single queue

## <queue>

### Usage

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  <physical-interface>
    <queue-counters>
      <queue>
        <queue-number>
          queue-number
        </queue-number>
        <forwarding-class-name>
          forwarding-class-name
        </forwarding-class-name>
        <queue-counters-queued-packets>
          queue-counters-queued-packets
        </queue-counters-queued-packets>
        <queue-counters-queued-packets-na>
          queue-counters-queued-packets-na
        </queue-counters-queued-packets-na>
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          queue-counters-queued-bytes-na
        </queue-counters-queued-bytes-na>
        <queue-counters-queued-bytes>
          queue-counters-queued-bytes
        </queue-counters-queued-bytes>
        <queue-counters-queued-packets-rate>
          queue-counters-queued-packets-rate
        </queue-counters-queued-packets-rate>
        <queue-counters-queued-bytes-rate>
          queue-counters-queued-bytes-rate
        </queue-counters-queued-bytes-rate>
        <queue-counters-trans-packets>
          queue-counters-trans-packets
        </queue-counters-trans-packets>
        <queue-counters-trans-bytes>
          queue-counters-trans-bytes
        </queue-counters-trans-bytes>
        <queue-counters-trans-packets-rate>
          queue-counters-trans-packets-rate
        </queue-counters-trans-packets-rate>
        <queue-counters-trans-bytes-rate>
          queue-counters-trans-bytes-rate
        </queue-counters-trans-bytes-rate>
        <queue-counters-tail-drop-packets>
          queue-counters-tail-drop-packets
        </queue-counters-tail-drop-packets>
        <queue-counters-tail-drop-packets-rate>
          queue-counters-tail-drop-packets-rate
        </queue-counters-tail-drop-packets-rate>
        <queue-counters-tail-drop-packets-na>
          queue-counters-tail-drop-packets-na
        </queue-counters-tail-drop-packets-na>
        <queue-counters-tail-drop-bytes>
```

```

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  </queue-counters-tail-drop-bytes>
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    queue-counters-tail-drop-bytes-rate
  </queue-counters-tail-drop-bytes-rate>
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  </queue-counters-rate-limit-drop-packets>
  <queue-counters-rate-limit-drop-packets-rate>
    queue-counters-rate-limit-drop-packets-rate
  </queue-counters-rate-limit-drop-packets-rate>
  <queue-counters-rate-limit-drop-packets-na>
    queue-counters-rate-limit-drop-packets-na
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  <queue-counters-red-packets>
    queue-counters-red-packets
  </queue-counters-red-packets>
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    queue-counters-red-bytes-na
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    queue-counters-red-packets-rate
  </queue-counters-red-packets-rate>
  <queue-counters-red-bytes-rate>
    queue-counters-red-bytes-rate
  </queue-counters-red-bytes-rate>
  <queue-counters-red-packets-ln>
    queue-counters-red-packets-ln
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  <queue-counters-red-bytes-ln>
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    queue-counters-red-packets-rate-ln
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    queue-counters-red-bytes-rate-ln
  </queue-counters-red-bytes-rate-ln>
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    queue-counters-red-packets-lt
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```

```
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```

```

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  queue-counters-total-drop-bytes-rate
</queue-counters-total-drop-bytes-rate>
</queue>
</queue-counters>
</physical-interface>
</interface-filter-information>

```

**Description**    Counters for a single queue

## <queue>

### Usage

```
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  <physical-interface>
  <logical-interface>
    <queue-counters>
      <queue>
        <queue-number>
          queue-number
        </queue-number>
        <forwarding-class-name>
          forwarding-class-name
        </forwarding-class-name>
        <queue-counters-queued-packets>
          queue-counters-queued-packets
        </queue-counters-queued-packets>
        <queue-counters-queued-packets-na>
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          queue-counters-queued-bytes-na
        </queue-counters-queued-bytes-na>
        <queue-counters-queued-bytes>
          queue-counters-queued-bytes
        </queue-counters-queued-bytes>
        <queue-counters-queued-packets-rate>
          queue-counters-queued-packets-rate
        </queue-counters-queued-packets-rate>
        <queue-counters-queued-bytes-rate>
          queue-counters-queued-bytes-rate
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        <queue-counters-trans-bytes>
          queue-counters-trans-bytes
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        </queue-counters-trans-packets-rate>
        <queue-counters-trans-bytes-rate>
          queue-counters-trans-bytes-rate
        </queue-counters-trans-bytes-rate>
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          queue-counters-tail-drop-packets
        </queue-counters-tail-drop-packets>
        <queue-counters-tail-drop-packets-rate>
          queue-counters-tail-drop-packets-rate
        </queue-counters-tail-drop-packets-rate>
        <queue-counters-tail-drop-packets-na>
          queue-counters-tail-drop-packets-na
        </queue-counters-tail-drop-packets-na>
```



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</interface-filter-information>

```

**Description**    Counters for a single queue

## <queue>

### Usage

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```

**Description**    Counters for a single queue

## <queue>

### Usage

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  queue-counters-total-drop-bytes-rate
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</queue>
</chassis-queue-counters>
</physical-interface>
</interface-filter-information>

```

**Description**    Counters for a single queue

## <queue>

### Usage

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  <physical-interface>
    <ingress-queue-counters>
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          queue-number
        </queue-number>
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          forwarding-class-name
        </forwarding-class-name>
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          queue-counters-queued-packets
        </queue-counters-queued-packets>
        <queue-counters-queued-packets-na>
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          queue-counters-queued-bytes-na
        </queue-counters-queued-bytes-na>
        <queue-counters-queued-bytes>
          queue-counters-queued-bytes
        </queue-counters-queued-bytes>
        <queue-counters-queued-packets-rate>
          queue-counters-queued-packets-rate
        </queue-counters-queued-packets-rate>
        <queue-counters-queued-bytes-rate>
          queue-counters-queued-bytes-rate
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        </queue-counters-trans-packets-rate>
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          queue-counters-trans-bytes-rate
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        <queue-counters-tail-drop-packets-rate>
          queue-counters-tail-drop-packets-rate
        </queue-counters-tail-drop-packets-rate>
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          queue-counters-tail-drop-packets-na
        </queue-counters-tail-drop-packets-na>
        <queue-counters-tail-drop-bytes>
```

```
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    queue-counters-tail-drop-bytes-rate
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    queue-counters-rate-limit-drop-packets
  </queue-counters-rate-limit-drop-packets>
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    queue-counters-rate-limit-drop-packets-na
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    queue-counters-red-packets-ln
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  <queue-counters-red-bytes-ln>
    queue-counters-red-bytes-ln
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    queue-counters-red-packets-rate-ln
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    queue-counters-red-bytes-rate-ln
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    queue-counters-red-packets-lt
  </queue-counters-red-packets-lt>
```

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  queue-counters-red-bytes-rate-medium-low
```

```

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  queue-counters-total-drop-bytes-rate
</queue-counters-total-drop-bytes-rate>
</queue>
</ingress-queue-counters>
</physical-interface>
</interface-filter-information>

```

**Description**    Counters for a single queue

## <queue>

### Usage

```
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  <logical-interface>
    <queue-counters>
      <queue>
        <queue-number>
          queue-number
        </queue-number>
        <forwarding-class-name>
          forwarding-class-name
        </forwarding-class-name>
        <queue-counters-queued-packets>
          queue-counters-queued-packets
        </queue-counters-queued-packets>
        <queue-counters-queued-packets-na>
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          queue-counters-queued-bytes-na
        </queue-counters-queued-bytes-na>
        <queue-counters-queued-bytes>
          queue-counters-queued-bytes
        </queue-counters-queued-bytes>
        <queue-counters-queued-packets-rate>
          queue-counters-queued-packets-rate
        </queue-counters-queued-packets-rate>
        <queue-counters-queued-bytes-rate>
          queue-counters-queued-bytes-rate
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        <queue-counters-trans-packets>
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        <queue-counters-trans-bytes>
          queue-counters-trans-bytes
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        <queue-counters-trans-packets-rate>
          queue-counters-trans-packets-rate
        </queue-counters-trans-packets-rate>
        <queue-counters-trans-bytes-rate>
          queue-counters-trans-bytes-rate
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        <queue-counters-tail-drop-packets-rate>
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          queue-counters-tail-drop-packets-na
        </queue-counters-tail-drop-packets-na>
        <queue-counters-tail-drop-bytes>
```



```
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    queue-counters-red-packets-ln
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  <queue-counters-red-bytes-ln>
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    queue-counters-red-bytes-rate-ln
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  </queue-counters-red-packets-lt>
```

```
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</queue-counters-red-packets-rate-medium-low>
<queue-counters-red-bytes-rate-medium-low>
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```

```

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  queue-counters-total-drop-bytes-rate
</queue-counters-total-drop-bytes-rate>
</queue>
</queue-counters>
</logical-interface>
</interface-filter-information>

```

**Description**    Counters for a single queue

## <queue>

### Usage

```
<interface-filter-information>
  <logical-interface>
    <ingress-queue-counters>
      <queue>
        <queue-number>
          queue-number
        </queue-number>
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          forwarding-class-name
        </forwarding-class-name>
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          queue-counters-queued-packets
        </queue-counters-queued-packets>
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          queue-counters-queued-bytes-na
        </queue-counters-queued-bytes-na>
        <queue-counters-queued-bytes>
          queue-counters-queued-bytes
        </queue-counters-queued-bytes>
        <queue-counters-queued-packets-rate>
          queue-counters-queued-packets-rate
        </queue-counters-queued-packets-rate>
        <queue-counters-queued-bytes-rate>
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        <queue-counters-trans-bytes>
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        <queue-counters-trans-packets-rate>
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        </queue-counters-trans-packets-rate>
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        </queue-counters-tail-drop-packets-rate>
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          queue-counters-tail-drop-packets-na
        </queue-counters-tail-drop-packets-na>
        <queue-counters-tail-drop-bytes>
```

```
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    queue-counters-tail-drop-bytes-rate
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</interface-filter-information>

```

**Description**    Counters for a single queue

## <queue>

### Usage

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</interface-policer-information>

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**Description**    Counters for a single queue

## <queue>

### Usage

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  <queue-counters-total-drop-bytes-rate>
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</queue-counters>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description**    Counters for a single queue

## <queue>

### Usage

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    <logical-interface>
      <ingress-queue-counters>
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            queue-number
          </queue-number>
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            forwarding-class-name
          </forwarding-class-name>
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            queue-counters-queued-packets
          </queue-counters-queued-packets>
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            queue-counters-queued-packets-na
          </queue-counters-queued-packets-na>
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            queue-counters-queued-packets-rate
          </queue-counters-queued-packets-rate>
          <queue-counters-queued-bytes-rate>
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  queue-counters-red-packets-lt
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```

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    queue-counters-red-bytes-medium-high
  </queue-counters-red-bytes-medium-high>
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    queue-counters-red-packets-rate-medium-high
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</logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description**    Counters for a single queue

## <queue>

### Usage

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    <chassis-queue-counters>
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          forwarding-class-name
        </forwarding-class-name>
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          queue-counters-queued-packets
        </queue-counters-queued-packets>
        <queue-counters-queued-packets-na>
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          queue-counters-queued-bytes-na
        </queue-counters-queued-bytes-na>
        <queue-counters-queued-bytes>
          queue-counters-queued-bytes
        </queue-counters-queued-bytes>
        <queue-counters-queued-packets-rate>
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        </queue-counters-queued-packets-rate>
        <queue-counters-queued-bytes-rate>
          queue-counters-queued-bytes-rate
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        <queue-counters-trans-bytes>
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        <queue-counters-trans-packets-rate>
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        <queue-counters-tail-drop-packets-rate>
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    queue-counters-red-packets-rate-ln
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```

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```

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</queue-counters-total-drop-bytes-rate>
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</chassis-queue-counters>
</physical-interface>
</interface-policer-information>

```

**Description**    Counters for a single queue

## <queue>

### Usage

```
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  <physical-interface>
    <ingress-queue-counters>
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          queue-number
        </queue-number>
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          forwarding-class-name
        </forwarding-class-name>
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        <queue-counters-queued-bytes>
          queue-counters-queued-bytes
        </queue-counters-queued-bytes>
        <queue-counters-queued-packets-rate>
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        </queue-counters-trans-packets-rate>
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</interface-policer-information>

```

**Description**    Counters for a single queue

## <queue>

### Usage

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</interface-policer-information>

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**Description**    Counters for a single queue

## <queue>

### Usage

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<queue-counters-red-packets-low>
  queue-counters-red-packets-low
</queue-counters-red-packets-low>
<queue-counters-red-bytes-low>
  queue-counters-red-bytes-low
</queue-counters-red-bytes-low>
<queue-counters-red-packets-rate-low>
  queue-counters-red-packets-rate-low
</queue-counters-red-packets-rate-low>
<queue-counters-red-bytes-rate-low>
  queue-counters-red-bytes-rate-low
</queue-counters-red-bytes-rate-low>
<queue-counters-red-packets-medium-low>
  queue-counters-red-packets-medium-low
</queue-counters-red-packets-medium-low>
<queue-counters-red-bytes-medium-low>
  queue-counters-red-bytes-medium-low
</queue-counters-red-bytes-medium-low>
<queue-counters-red-packets-rate-medium-low>
  queue-counters-red-packets-rate-medium-low
</queue-counters-red-packets-rate-medium-low>
<queue-counters-red-bytes-rate-medium-low>
  queue-counters-red-bytes-rate-medium-low
```

```

</queue-counters-red-bytes-rate-medium-low>
<queue-counters-red-packets-medium-high>
  queue-counters-red-packets-medium-high
</queue-counters-red-packets-medium-high>
<queue-counters-red-bytes-medium-high>
  queue-counters-red-bytes-medium-high
</queue-counters-red-bytes-medium-high>
<queue-counters-red-packets-rate-medium-high>
  queue-counters-red-packets-rate-medium-high
</queue-counters-red-packets-rate-medium-high>
<queue-counters-red-bytes-rate-medium-high>
  queue-counters-red-bytes-rate-medium-high
</queue-counters-red-bytes-rate-medium-high>
<queue-counters-red-packets-medium>
  queue-counters-red-packets-medium
</queue-counters-red-packets-medium>
<queue-counters-red-bytes-medium>
  queue-counters-red-bytes-medium
</queue-counters-red-bytes-medium>
<queue-counters-red-packets-rate-medium>
  queue-counters-red-packets-rate-medium
</queue-counters-red-packets-rate-medium>
<queue-counters-red-bytes-rate-medium>
  queue-counters-red-bytes-rate-medium
</queue-counters-red-bytes-rate-medium>
<queue-counters-red-packets-high>
  queue-counters-red-packets-high
</queue-counters-red-packets-high>
<queue-counters-red-bytes-high>
  queue-counters-red-bytes-high
</queue-counters-red-bytes-high>
<queue-counters-red-packets-rate-high>
  queue-counters-red-packets-rate-high
</queue-counters-red-packets-rate-high>
<queue-counters-red-bytes-rate-high>
  queue-counters-red-bytes-rate-high
</queue-counters-red-bytes-rate-high>
<queue-counters-total-drop-packets>
  queue-counters-total-drop-packets
</queue-counters-total-drop-packets>
<queue-counters-total-drop-packets-rate>
  queue-counters-total-drop-packets-rate
</queue-counters-total-drop-packets-rate>
<queue-counters-total-drop-bytes>
  queue-counters-total-drop-bytes
</queue-counters-total-drop-bytes>
<queue-counters-total-drop-bytes-rate>
  queue-counters-total-drop-bytes-rate
</queue-counters-total-drop-bytes-rate>
</queue>
</ingress-queue-counters>
</logical-interface>
</interface-policer-information>

```

**Description** Counters for a single queue

### <queue-counters>

#### Usage

```
<queue-counters>
  <queue-counters-error-message>
    queue-counters-error-message
  </queue-counters-error-message>
  <queue>....</queue>
  <interface-cos-short-summary>....</interface-cos-short-summary>
  <interface-cos-summary>....</interface-cos-summary>
</queue-counters>
```

**Description** Queue counter statistics

### <queue-counters>

#### Usage

```
<logical-interface>
  <queue-counters>
    <queue-counters-error-message>
      queue-counters-error-message
    </queue-counters-error-message>
    <queue>....</queue>
    <interface-cos-short-summary>....</interface-cos-short-summary>
    <interface-cos-summary>....</interface-cos-summary>
  </queue-counters>
</logical-interface>
```

**Description** Queue counter statistics

### <queue-counters>

#### Usage

```
<physical-interface>
  <queue-counters>
    <queue-counters-error-message>
      queue-counters-error-message
    </queue-counters-error-message>
    <queue>....</queue>
    <interface-cos-short-summary>....</interface-cos-short-summary>
    <interface-cos-summary>....</interface-cos-summary>
  </queue-counters>
</physical-interface>
```

**Description** Queue counter statistics

**<queue-counters>****Usage**

```

<physical-interface>
<logical-interface>
  <queue-counters>
    <queue-counters-error-message>
      queue-counters-error-message
    </queue-counters-error-message>
    <queue>....</queue>
    <interface-cos-short-summary>....</interface-cos-short-summary>
    <interface-cos-summary>....</interface-cos-summary>
  </queue-counters>
</logical-interface>
</physical-interface>

```

**Description** Queue counter statistics

**<queue-counters>****Usage**

```

<interface-set>
<interface-set-queue-information>
  <queue-counters>
    <queue-counters-error-message>
      queue-counters-error-message
    </queue-counters-error-message>
    <queue>....</queue>
    <interface-cos-short-summary>....</interface-cos-short-summary>
    <interface-cos-summary>....</interface-cos-summary>
  </queue-counters>
</interface-set-queue-information>
</interface-set>

```

**Description** Queue counter statistics

**<queue-counters>****Usage**

```

<interface-information>
<physical-interface>
  <queue-counters>
    <queue-counters-error-message>
      queue-counters-error-message
    </queue-counters-error-message>
    <queue>....</queue>
    <interface-cos-short-summary>....</interface-cos-short-summary>
    <interface-cos-summary>....</interface-cos-summary>
  </queue-counters>
</physical-interface>
</interface-information>

```

**Description** Queue counter statistics

### <queue-counters>

#### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <queue-counters>
        <queue-counters-error-message>
          queue-counters-error-message
        </queue-counters-error-message>
        <queue>....</queue>
        <interface-cos-short-summary>....</interface-cos-short-summary>
        <interface-cos-summary>....</interface-cos-summary>
      </queue-counters>
    </logical-interface>
  </physical-interface>
</interface-information>
```

**Description** Queue counter statistics

### <queue-counters>

#### Usage

```
<interface-information>
  <logical-interface>
    <queue-counters>
      <queue-counters-error-message>
        queue-counters-error-message
      </queue-counters-error-message>
      <queue>....</queue>
      <interface-cos-short-summary>....</interface-cos-short-summary>
      <interface-cos-summary>....</interface-cos-summary>
    </queue-counters>
  </logical-interface>
</interface-information>
```

**Description** Queue counter statistics

### <queue-counters>

#### Usage

```
<interface-information>
  <interface-set>
    <interface-set-queue-information>
      <queue-counters>
        <queue-counters-error-message>
          queue-counters-error-message
        </queue-counters-error-message>
        <queue>....</queue>
        <interface-cos-short-summary>....</interface-cos-short-summary>
      </queue-counters>
    </interface-set-queue-information>
  </interface-set>
</interface-information>
```

```

        <interface-cos-summary>....</interface-cos-summary>
    </queue-counters>
</interface-set-queue-information>
</interface-set>
</interface-information>

```

**Description** Queue counter statistics

### <queue-counters>

#### Usage

```

<interface-filter-information>
<physical-interface>
  <queue-counters>
    <queue-counters-error-message>
      queue-counters-error-message
    </queue-counters-error-message>
    <queue>....</queue>
    <interface-cos-short-summary>....</interface-cos-short-summary>
    <interface-cos-summary>....</interface-cos-summary>
  </queue-counters>
</physical-interface>
</interface-filter-information>

```

**Description** Queue counter statistics

### <queue-counters>

#### Usage

```

<interface-filter-information>
<physical-interface>
  <logical-interface>
    <queue-counters>
      <queue-counters-error-message>
        queue-counters-error-message
      </queue-counters-error-message>
      <queue>....</queue>
      <interface-cos-short-summary>....</interface-cos-short-summary>
      <interface-cos-summary>....</interface-cos-summary>
    </queue-counters>
  </logical-interface>
</physical-interface>
</interface-filter-information>

```

**Description** Queue counter statistics

### <queue-counters>

#### Usage

```

<interface-filter-information>
<logical-interface>

```

```
<queue-counters>
  <queue-counters-error-message>
    queue-counters-error-message
  </queue-counters-error-message>
  <queue>....</queue>
  <interface-cos-short-summary>....</interface-cos-short-summary>
  <interface-cos-summary>....</interface-cos-summary>
</queue-counters>
</logical-interface>
</interface-filter-information>
```

**Description** Queue counter statistics

### <queue-counters>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <queue-counters>
      <queue-counters-error-message>
        queue-counters-error-message
      </queue-counters-error-message>
      <queue>....</queue>
      <interface-cos-short-summary>....</interface-cos-short-summary>
      <interface-cos-summary>....</interface-cos-summary>
    </queue-counters>
  </physical-interface>
</interface-policer-information>
```

**Description** Queue counter statistics

### <queue-counters>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <queue-counters>
        <queue-counters-error-message>
          queue-counters-error-message
        </queue-counters-error-message>
        <queue>....</queue>
        <interface-cos-short-summary>....</interface-cos-short-summary>
        <interface-cos-summary>....</interface-cos-summary>
      </queue-counters>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```

**Description** Queue counter statistics



## <queue-counters>

### Usage

```

<interface-policer-information>
  <logical-interface>
    <queue-counters>
      <queue-counters-error-message>
        queue-counters-error-message
      </queue-counters-error-message>
      <queue>....</queue>
      <interface-cos-short-summary>....</interface-cos-short-summary>
      <interface-cos-summary>....</interface-cos-summary>
    </queue-counters>
  </logical-interface>
</interface-policer-information>

```

**Description** Queue counter statistics

## <queue-num-forwarding-class-name-map>

### Usage

```

<ingress-queue-counters>
  <queue-num-forwarding-class-name-map>
    <queue-number>
      queue-number
    </queue-number>
    <forwarding-class-name>
      forwarding-class-name
    </forwarding-class-name>
  </queue-num-forwarding-class-name-map>
</ingress-queue-counters>

```

**Description**

## <queue-num-forwarding-class-name-map>

### Usage

```

<logical-interface>
  <ingress-queue-counters>
    <queue-num-forwarding-class-name-map>
      <queue-number>
        queue-number
      </queue-number>
      <forwarding-class-name>
        forwarding-class-name
      </forwarding-class-name>
    </queue-num-forwarding-class-name-map>
  </ingress-queue-counters>
</logical-interface>

```

**Description**

## <queue-num-forwarding-class-name-map>

### Usage

```
<physical-interface>
  <logical-interface>
    <ingress-queue-counters>
      <queue-num-forwarding-class-name-map>
        <queue-number>
          queue-number
        </queue-number>
        <forwarding-class-name>
          forwarding-class-name
        </forwarding-class-name>
      </queue-num-forwarding-class-name-map>
    </ingress-queue-counters>
  </logical-interface>
</physical-interface>
```

### Description

## <queue-num-forwarding-class-name-map>

### Usage

```
<physical-interface>
  <queue-num-forwarding-class-name-map>
    <queue-number>
      queue-number
    </queue-number>
    <forwarding-class-name>
      forwarding-class-name
    </forwarding-class-name>
  </queue-num-forwarding-class-name-map>
</physical-interface>
```

### Description

## <queue-num-forwarding-class-name-map>

### Usage

```
<physical-interface>
  <ingress-queue-counters>
    <queue-num-forwarding-class-name-map>
      <queue-number>
        queue-number
      </queue-number>
      <forwarding-class-name>
        forwarding-class-name
      </forwarding-class-name>
    </queue-num-forwarding-class-name-map>
  </ingress-queue-counters>
</physical-interface>
```

## Description

## &lt;queue-num-forwarding-class-name-map&gt;

## Usage

```

<interface-set>
  <interface-set-queue-information>
    <ingress-queue-counters>
      <queue-num-forwarding-class-name-map>
        <queue-number>
          queue-number
        </queue-number>
        <forwarding-class-name>
          forwarding-class-name
        </forwarding-class-name>
      </queue-num-forwarding-class-name-map>
    </ingress-queue-counters>
  </interface-set-queue-information>
</interface-set>

```

## Description

## &lt;queue-num-forwarding-class-name-map&gt;

## Usage

```

<queue-num-forwarding-class-name-map>
  <queue-number>
    queue-number
  </queue-number>
  <forwarding-class-name>
    forwarding-class-name
  </forwarding-class-name>
</queue-num-forwarding-class-name-map>

```

## Description

## &lt;queue-num-forwarding-class-name-map&gt;

## Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <ingress-queue-counters>
        <queue-num-forwarding-class-name-map>
          <queue-number>
            queue-number
          </queue-number>
          <forwarding-class-name>
            forwarding-class-name
          </forwarding-class-name>
        </queue-num-forwarding-class-name-map>
      </ingress-queue-counters>
    </logical-interface>
  </physical-interface>

```

```
</interface-information>
```

#### Description

### <queue-num-forwarding-class-name-map>

#### Usage

```
<interface-information>
  <physical-interface>
    <queue-num-forwarding-class-name-map>
      <queue-number>
        queue-number
      </queue-number>
      <forwarding-class-name>
        forwarding-class-name
      </forwarding-class-name>
    </queue-num-forwarding-class-name-map>
  </physical-interface>
</interface-information>
```

#### Description

### <queue-num-forwarding-class-name-map>

#### Usage

```
<interface-information>
  <physical-interface>
    <ingress-queue-counters>
      <queue-num-forwarding-class-name-map>
        <queue-number>
          queue-number
        </queue-number>
        <forwarding-class-name>
          forwarding-class-name
        </forwarding-class-name>
      </queue-num-forwarding-class-name-map>
    </ingress-queue-counters>
  </physical-interface>
</interface-information>
```

#### Description

### <queue-num-forwarding-class-name-map>

#### Usage

```
<interface-information>
  <logical-interface>
    <ingress-queue-counters>
      <queue-num-forwarding-class-name-map>
        <queue-number>
          queue-number
        </queue-number>
        <forwarding-class-name>
```

```

        forwarding-class-name
      </forwarding-class-name>
    </queue-num-forwarding-class-name-map>
  </ingress-queue-counters>
</logical-interface>
</interface-information>

```

#### Description

### <queue-num-forwarding-class-name-map>

#### Usage

```

<interface-information>
  <interface-set>
    <interface-set-queue-information>
      <ingress-queue-counters>
        <queue-num-forwarding-class-name-map>
          <queue-number>
            queue-number
          </queue-number>
          <forwarding-class-name>
            forwarding-class-name
          </forwarding-class-name>
        </queue-num-forwarding-class-name-map>
      </ingress-queue-counters>
    </interface-set-queue-information>
  </interface-set>
</interface-information>

```

#### Description

### <queue-num-forwarding-class-name-map>

#### Usage

```

<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <ingress-queue-counters>
      <queue-num-forwarding-class-name-map>
        <queue-number>
          queue-number
        </queue-number>
        <forwarding-class-name>
          forwarding-class-name
        </forwarding-class-name>
      </queue-num-forwarding-class-name-map>
    </ingress-queue-counters>
  </logical-interface>
</physical-interface>
</interface-filter-information>

```

#### Description

## <queue-num-forwarding-class-name-map>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <queue-num-forwarding-class-name-map>
      <queue-number>
        queue-number
      </queue-number>
      <forwarding-class-name>
        forwarding-class-name
      </forwarding-class-name>
    </queue-num-forwarding-class-name-map>
  </physical-interface>
</interface-filter-information>
```

### Description

## <queue-num-forwarding-class-name-map>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <ingress-queue-counters>
      <queue-num-forwarding-class-name-map>
        <queue-number>
          queue-number
        </queue-number>
        <forwarding-class-name>
          forwarding-class-name
        </forwarding-class-name>
      </queue-num-forwarding-class-name-map>
    </ingress-queue-counters>
  </physical-interface>
</interface-filter-information>
```

### Description

## <queue-num-forwarding-class-name-map>

### Usage

```
<interface-filter-information>
  <logical-interface>
    <ingress-queue-counters>
      <queue-num-forwarding-class-name-map>
        <queue-number>
          queue-number
        </queue-number>
        <forwarding-class-name>
          forwarding-class-name
        </forwarding-class-name>
      </queue-num-forwarding-class-name-map>
    </ingress-queue-counters>
```

```

    </logical-interface>
  </interface-filter-information>

```

#### Description

### <queue-num-forwarding-class-name-map>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <ingress-queue-counters>
        <queue-num-forwarding-class-name-map>
          <queue-number>
            queue-number
          </queue-number>
          <forwarding-class-name>
            forwarding-class-name
          </forwarding-class-name>
        </queue-num-forwarding-class-name-map>
      </ingress-queue-counters>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

#### Description

### <queue-num-forwarding-class-name-map>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <queue-num-forwarding-class-name-map>
      <queue-number>
        queue-number
      </queue-number>
      <forwarding-class-name>
        forwarding-class-name
      </forwarding-class-name>
    </queue-num-forwarding-class-name-map>
  </physical-interface>
</interface-policer-information>

```

#### Description

### <queue-num-forwarding-class-name-map>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <ingress-queue-counters>
      <queue-num-forwarding-class-name-map>
        <queue-number>

```

```
        queue-number
      </queue-number>
      <forwarding-class-name>
        forwarding-class-name
      </forwarding-class-name>
    </queue-num-forwarding-class-name-map>
  </ingress-queue-counters>
</physical-interface>
</interface-policer-information>
```

#### Description

### <queue-num-forwarding-class-name-map>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <ingress-queue-counters>
      <queue-num-forwarding-class-name-map>
        <queue-number>
          queue-number
        </queue-number>
        <forwarding-class-name>
          forwarding-class-name
        </forwarding-class-name>
      </queue-num-forwarding-class-name-map>
    </ingress-queue-counters>
  </logical-interface>
</interface-policer-information>
```

#### Description

### <resync-history>

#### Usage

```
<serial-information>
  <resync-history>
    <resync-counter>
      resync-counter
    </resync-counter>
    <resync-timestamp>
      resync-timestamp
    </resync-timestamp>
  </resync-history>
</serial-information>
```

#### Description

### <resync-history>

#### Usage

```
<physical-interface>
  <serial-information>
```



```

<resync-history>
  <resync-counter>
    resync-counter
  </resync-counter>
  <resync-timestamp>
    resync-timestamp
  </resync-timestamp>
</resync-history>
</serial-information>
</physical-interface>

```

#### Description

#### <resync-history>

##### Usage

```

<interface-information>
  <physical-interface>
    <serial-information>
      <resync-history>
        <resync-counter>
          resync-counter
        </resync-counter>
        <resync-timestamp>
          resync-timestamp
        </resync-timestamp>
      </resync-history>
    </serial-information>
  </physical-interface>
</interface-information>

```

#### Description

#### <resync-history>

##### Usage

```

<interface-filter-information>
  <physical-interface>
    <serial-information>
      <resync-history>
        <resync-counter>
          resync-counter
        </resync-counter>
        <resync-timestamp>
          resync-timestamp
        </resync-timestamp>
      </resync-history>
    </serial-information>
  </physical-interface>
</interface-filter-information>

```

#### Description

## <resync-history>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <serial-information>
      <resync-history>
        <resync-counter>
          resync-counter
        </resync-counter>
        <resync-timestamp>
          resync-timestamp
        </resync-timestamp>
      </resync-history>
    </serial-information>
  </physical-interface>
</interface-policer-information>
```

### Description

## <route-rpf-statistics>

### Usage

```
<route-rpf-statistics>
  <route-rpf-packets>
    route-rpf-packets
  </route-rpf-packets>
  <route-rpf-bytes>
    route-rpf-bytes
  </route-rpf-bytes>
</route-rpf-statistics>
```

**Description** Unicast reverse-path forwarding (RPF) statistics

## <route-rpf-statistics>

### Usage

```
<address-family>
  <route-rpf-statistics>
    <route-rpf-packets>
      route-rpf-packets
    </route-rpf-packets>
    <route-rpf-bytes>
      route-rpf-bytes
    </route-rpf-bytes>
  </route-rpf-statistics>
</address-family>
```

**Description** Unicast reverse-path forwarding (RPF) statistics

**<route-rpf-statistics>****Usage**

```

<logical-interface>
  <address-family>
    <route-rpf-statistics>
      <route-rpf-packets>
        route-rpf-packets
      </route-rpf-packets>
      <route-rpf-bytes>
        route-rpf-bytes
      </route-rpf-bytes>
    </route-rpf-statistics>
  </address-family>
</logical-interface>

```

**Description** Unicast reverse-path forwarding (RPF) statistics

**<route-rpf-statistics>****Usage**

```

<physical-interface>
  <logical-interface>
    <address-family>
      <route-rpf-statistics>
        <route-rpf-packets>
          route-rpf-packets
        </route-rpf-packets>
        <route-rpf-bytes>
          route-rpf-bytes
        </route-rpf-bytes>
      </route-rpf-statistics>
    </address-family>
  </logical-interface>
</physical-interface>

```

**Description** Unicast reverse-path forwarding (RPF) statistics

**<route-rpf-statistics>****Usage**

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <address-family>
        <route-rpf-statistics>
          <route-rpf-packets>
            route-rpf-packets
          </route-rpf-packets>
          <route-rpf-bytes>
            route-rpf-bytes
          </route-rpf-bytes>
        </route-rpf-statistics>
      </address-family>
    </logical-interface>
  </physical-interface>

```

```
</route-rpf-statistics>
</address-family>
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** Unicast reverse-path forwarding (RPF) statistics

### <route-rpf-statistics>

#### Usage

```
<interface-information>
<logical-interface>
<address-family>
  <route-rpf-statistics>
    <route-rpf-packets>
      route-rpf-packets
    </route-rpf-packets>
    <route-rpf-bytes>
      route-rpf-bytes
    </route-rpf-bytes>
  </route-rpf-statistics>
</address-family>
</logical-interface>
</interface-information>
```

**Description** Unicast reverse-path forwarding (RPF) statistics

### <route-rpf-statistics>

#### Usage

```
<interface-filter-information>
<physical-interface>
<logical-interface>
<address-family>
  <route-rpf-statistics>
    <route-rpf-packets>
      route-rpf-packets
    </route-rpf-packets>
    <route-rpf-bytes>
      route-rpf-bytes
    </route-rpf-bytes>
  </route-rpf-statistics>
</address-family>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

**Description** Unicast reverse-path forwarding (RPF) statistics

**<route-rpf-statistics>****Usage**

```

<interface-filter-information>
  <logical-interface>
    <address-family>
      <route-rpf-statistics>
        <route-rpf-packets>
          route-rpf-packets
        </route-rpf-packets>
        <route-rpf-bytes>
          route-rpf-bytes
        </route-rpf-bytes>
      </route-rpf-statistics>
    </address-family>
  </logical-interface>
</interface-filter-information>

```

**Description**    Unicast reverse-path forwarding (RPF) statistics

**<route-rpf-statistics>****Usage**

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <address-family>
        <route-rpf-statistics>
          <route-rpf-packets>
            route-rpf-packets
          </route-rpf-packets>
          <route-rpf-bytes>
            route-rpf-bytes
          </route-rpf-bytes>
        </route-rpf-statistics>
      </address-family>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

**Description**    Unicast reverse-path forwarding (RPF) statistics

**<route-rpf-statistics>****Usage**

```

<interface-policer-information>
  <logical-interface>
    <address-family>
      <route-rpf-statistics>
        <route-rpf-packets>
          route-rpf-packets
        </route-rpf-packets>

```

```
<route-rpf-bytes>
  route-rpf-bytes
</route-rpf-bytes>
</route-rpf-statistics>
</address-family>
</logical-interface>
</interface-policer-information>
```

**Description** Unicast reverse-path forwarding (RPF) statistics

## <satop-information>

### Usage

```
<satop-information>
  <ce-payload-size>
    ce-payload-size
  </ce-payload-size>
  <ce-idle-pattern>
    ce-idle-pattern
  </ce-idle-pattern>
  <ce-octet-aligned>
    ce-octet-aligned
  </ce-octet-aligned>
  <ce-jitter-buffer-packets>
    ce-jitter-buffer-packets
  </ce-jitter-buffer-packets>
  <ce-jitter-buffer-latency>
    ce-jitter-buffer-latency
  </ce-jitter-buffer-latency>
  <ce-jitter-buffer-auto-adjust>
    ce-jitter-buffer-auto-adjust
  </ce-jitter-buffer-auto-adjust>
  <ce-excessive-packet-loss-rate-sample-period>
    ce-excessive-packet-loss-rate-sample-period
  </ce-excessive-packet-loss-rate-sample-period>
  <ce-excessive-packet-loss-rate-threshold>
    ce-excessive-packet-loss-rate-threshold
  </ce-excessive-packet-loss-rate-threshold>
</satop-information>
```

### Description

## <satop-information>

### Usage

```
<physical-interface>
  <satop-information>
    <ce-payload-size>
      ce-payload-size
    </ce-payload-size>
    <ce-idle-pattern>
      ce-idle-pattern
    </ce-idle-pattern>
```

```

<ce-octet-aligned>
  ce-octet-aligned
</ce-octet-aligned>
<ce-jitter-buffer-packets>
  ce-jitter-buffer-packets
</ce-jitter-buffer-packets>
<ce-jitter-buffer-latency>
  ce-jitter-buffer-latency
</ce-jitter-buffer-latency>
<ce-jitter-buffer-auto-adjust>
  ce-jitter-buffer-auto-adjust
</ce-jitter-buffer-auto-adjust>
<ce-excessive-packet-loss-rate-sample-period>
  ce-excessive-packet-loss-rate-sample-period
</ce-excessive-packet-loss-rate-sample-period>
<ce-excessive-packet-loss-rate-threshold>
  ce-excessive-packet-loss-rate-threshold
</ce-excessive-packet-loss-rate-threshold>
</satop-information>
</physical-interface>

```

#### Description

#### <satop-information>

#### Usage

```

<interface-information>
<physical-interface>
  <satop-information>
    <ce-payload-size>
      ce-payload-size
    </ce-payload-size>
    <ce-idle-pattern>
      ce-idle-pattern
    </ce-idle-pattern>
    <ce-octet-aligned>
      ce-octet-aligned
    </ce-octet-aligned>
    <ce-jitter-buffer-packets>
      ce-jitter-buffer-packets
    </ce-jitter-buffer-packets>
    <ce-jitter-buffer-latency>
      ce-jitter-buffer-latency
    </ce-jitter-buffer-latency>
    <ce-jitter-buffer-auto-adjust>
      ce-jitter-buffer-auto-adjust
    </ce-jitter-buffer-auto-adjust>
    <ce-excessive-packet-loss-rate-sample-period>
      ce-excessive-packet-loss-rate-sample-period
    </ce-excessive-packet-loss-rate-sample-period>
    <ce-excessive-packet-loss-rate-threshold>
      ce-excessive-packet-loss-rate-threshold
    </ce-excessive-packet-loss-rate-threshold>
  </satop-information>
</physical-interface>

```

</interface-information>

#### Description

<satop-information>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <satop-information>
      <ce-payload-size>
        ce-payload-size
      </ce-payload-size>
      <ce-idle-pattern>
        ce-idle-pattern
      </ce-idle-pattern>
      <ce-octet-aligned>
        ce-octet-aligned
      </ce-octet-aligned>
      <ce-jitter-buffer-packets>
        ce-jitter-buffer-packets
      </ce-jitter-buffer-packets>
      <ce-jitter-buffer-latency>
        ce-jitter-buffer-latency
      </ce-jitter-buffer-latency>
      <ce-jitter-buffer-auto-adjust>
        ce-jitter-buffer-auto-adjust
      </ce-jitter-buffer-auto-adjust>
      <ce-excessive-packet-loss-rate-sample-period>
        ce-excessive-packet-loss-rate-sample-period
      </ce-excessive-packet-loss-rate-sample-period>
      <ce-excessive-packet-loss-rate-threshold>
        ce-excessive-packet-loss-rate-threshold
      </ce-excessive-packet-loss-rate-threshold>
    </satop-information>
  </physical-interface>
</interface-filter-information>
```

#### Description

<satop-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <satop-information>
      <ce-payload-size>
        ce-payload-size
      </ce-payload-size>
      <ce-idle-pattern>
        ce-idle-pattern
      </ce-idle-pattern>
      <ce-octet-aligned>
        ce-octet-aligned
```



```

</ce-octet-aligned>
<ce-jitter-buffer-packets>
  ce-jitter-buffer-packets
</ce-jitter-buffer-packets>
<ce-jitter-buffer-latency>
  ce-jitter-buffer-latency
</ce-jitter-buffer-latency>
<ce-jitter-buffer-auto-adjust>
  ce-jitter-buffer-auto-adjust
</ce-jitter-buffer-auto-adjust>
<ce-excessive-packet-loss-rate-sample-period>
  ce-excessive-packet-loss-rate-sample-period
</ce-excessive-packet-loss-rate-sample-period>
<ce-excessive-packet-loss-rate-threshold>
  ce-excessive-packet-loss-rate-threshold
</ce-excessive-packet-loss-rate-threshold>
</satop-information>
</physical-interface>
</interface-policer-information>

```

#### Description

<serial-encoding>

#### Usage

```

<serial-information>
  <serial-encoding>
    <serial-encoding-conf>
      serial-encoding-conf
    </serial-encoding-conf>
  </serial-encoding>
</serial-information>

```

#### Description

<serial-encoding>

#### Usage

```

<physical-interface>
  <serial-information>
    <serial-encoding>
      <serial-encoding-conf>
        serial-encoding-conf
      </serial-encoding-conf>
    </serial-encoding>
  </serial-information>
</physical-interface>

```

#### Description

## <serial-encoding>

### Usage

```
<interface-information>
  <physical-interface>
    <serial-information>
      <serial-encoding>
        <serial-encoding-conf>
          serial-encoding-conf
        </serial-encoding-conf>
      </serial-encoding>
    </serial-information>
  </physical-interface>
</interface-information>
```

### Description

## <serial-encoding>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <serial-information>
      <serial-encoding>
        <serial-encoding-conf>
          serial-encoding-conf
        </serial-encoding-conf>
      </serial-encoding>
    </serial-information>
  </physical-interface>
</interface-filter-information>
```

### Description

## <serial-encoding>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <serial-information>
      <serial-encoding>
        <serial-encoding-conf>
          serial-encoding-conf
        </serial-encoding-conf>
      </serial-encoding>
    </serial-information>
  </physical-interface>
</interface-policer-information>
```

### Description

**<serial-information>****Usage**

```

<serial-information>
  <line-protocol>....</line-protocol>
  <resync-history>....</resync-history>
  <clocking-mode>....</clocking-mode>
  <clocking-rate>....</clocking-rate>
  <serial-encoding>....</serial-encoding>
  <dtr-circuit>....</dtr-circuit>
  <eia530-signal-polarity>....</eia530-signal-polarity>
  <x21-signal-polarity>....</x21-signal-polarity>
  <serial-loopback>....</serial-loopback>
  <tx-clock>....</tx-clock>
  <data-signal>....</data-signal>
  <eia530-control-signal>....</eia530-control-signal>
  <x21-control-signal>....</x21-control-signal>
  <dce-loopback-override>
    dce-loopback-override
  </dce-loopback-override>
</serial-information>

```

**Description** Serial interfaces information and statistics

**<serial-information>****Usage**

```

<physical-interface>
  <serial-information>
    <line-protocol>....</line-protocol>
    <resync-history>....</resync-history>
    <clocking-mode>....</clocking-mode>
    <clocking-rate>....</clocking-rate>
    <serial-encoding>....</serial-encoding>
    <dtr-circuit>....</dtr-circuit>
    <eia530-signal-polarity>....</eia530-signal-polarity>
    <x21-signal-polarity>....</x21-signal-polarity>
    <serial-loopback>....</serial-loopback>
    <tx-clock>....</tx-clock>
    <data-signal>....</data-signal>
    <eia530-control-signal>....</eia530-control-signal>
    <x21-control-signal>....</x21-control-signal>
    <dce-loopback-override>
      dce-loopback-override
    </dce-loopback-override>
  </serial-information>
</physical-interface>

```

**Description** Serial interfaces information and statistics

## &lt;serial-information&gt;

## Usage

```
<interface-information>
<physical-interface>
  <serial-information>
    <line-protocol>....</line-protocol>
    <resync-history>....</resync-history>
    <clocking-mode>....</clocking-mode>
    <clocking-rate>....</clocking-rate>
    <serial-encoding>....</serial-encoding>
    <dtr-circuit>....</dtr-circuit>
    <eia530-signal-polarity>....</eia530-signal-polarity>
    <x21-signal-polarity>....</x21-signal-polarity>
    <serial-loopback>....</serial-loopback>
    <tx-clock>....</tx-clock>
    <data-signal>....</data-signal>
    <eia530-control-signal>....</eia530-control-signal>
    <x21-control-signal>....</x21-control-signal>
    <dce-loopback-override>
      dce-loopback-override
    </dce-loopback-override>
  </serial-information>
</physical-interface>
</interface-information>
```

**Description** Serial interfaces information and statistics

## &lt;serial-information&gt;

## Usage

```
<interface-filter-information>
<physical-interface>
  <serial-information>
    <line-protocol>....</line-protocol>
    <resync-history>....</resync-history>
    <clocking-mode>....</clocking-mode>
    <clocking-rate>....</clocking-rate>
    <serial-encoding>....</serial-encoding>
    <dtr-circuit>....</dtr-circuit>
    <eia530-signal-polarity>....</eia530-signal-polarity>
    <x21-signal-polarity>....</x21-signal-polarity>
    <serial-loopback>....</serial-loopback>
    <tx-clock>....</tx-clock>
    <data-signal>....</data-signal>
    <eia530-control-signal>....</eia530-control-signal>
    <x21-control-signal>....</x21-control-signal>
    <dce-loopback-override>
      dce-loopback-override
    </dce-loopback-override>
  </serial-information>
</physical-interface>
```

```
</interface-filter-information>
```

**Description** Serial interfaces information and statistics

### <serial-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <serial-information>
      <line-protocol>....</line-protocol>
      <resync-history>....</resync-history>
      <clocking-mode>....</clocking-mode>
      <clocking-rate>....</clocking-rate>
      <serial-encoding>....</serial-encoding>
      <dtr-circuit>....</dtr-circuit>
      <eia530-signal-polarity>....</eia530-signal-polarity>
      <x21-signal-polarity>....</x21-signal-polarity>
      <serial-loopback>....</serial-loopback>
      <tx-clock>....</tx-clock>
      <data-signal>....</data-signal>
      <eia530-control-signal>....</eia530-control-signal>
      <x21-control-signal>....</x21-control-signal>
      <dce-loopback-override>
        dce-loopback-override
      </dce-loopback-override>
    </serial-information>
  </physical-interface>
</interface-policer-information>
```

**Description** Serial interfaces information and statistics

### <serial-loopback>

#### Usage

```
<serial-information>
  <serial-loopback>
    <serial-loopback-mode>
      serial-loopback-mode
    </serial-loopback-mode>
  </serial-loopback>
</serial-information>
```

**Description**

### <serial-loopback>

#### Usage

```
<physical-interface>
  <serial-information>
    <serial-loopback>
```

```
<serial-loopback-mode>
  serial-loopback-mode
</serial-loopback-mode>
</serial-loopback>
</serial-information>
</physical-interface>
```

#### Description

### <serial-loopback>

#### Usage

```
<interface-information>
<physical-interface>
  <serial-information>
    <serial-loopback>
      <serial-loopback-mode>
        serial-loopback-mode
      </serial-loopback-mode>
    </serial-loopback>
  </serial-information>
</physical-interface>
</interface-information>
```

#### Description

### <serial-loopback>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <serial-information>
    <serial-loopback>
      <serial-loopback-mode>
        serial-loopback-mode
      </serial-loopback-mode>
    </serial-loopback>
  </serial-information>
</physical-interface>
</interface-filter-information>
```

#### Description

### <serial-loopback>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <serial-information>
    <serial-loopback>
      <serial-loopback-mode>
        serial-loopback-mode
      </serial-loopback-mode>
```

```

    </serial-loopback>
  </serial-information>
</physical-interface>
</interface-policer-information>

```

**Description****<shared-interface-information>****Usage**

```

<logical-interface>
  <shared-interface-information>
    <shared-interface-logical-interface>....</shared-interface-logical-interface>
  </shared-interface-information>
</logical-interface>

```

**Description** Shared interface information**<shared-interface-information>****Usage**

```

<physical-interface>
  <logical-interface>
    <shared-interface-information>
      <shared-interface-logical-interface>....</shared-interface-logical-interface>
    </shared-interface-information>
  </logical-interface>
</physical-interface>

```

**Description** Shared interface information**<shared-interface-information>****Usage**

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <shared-interface-information>
        <shared-interface-logical-interface>....</shared-interface-logical-interface>

      </shared-interface-information>
    </logical-interface>
  </physical-interface>
</interface-information>

```

**Description** Shared interface information

### <shared-interface-information>

#### Usage

```
<interface-information>
  <logical-interface>
    <shared-interface-information>
      <shared-interface-logical-interface>....</shared-interface-logical-interface>
    </shared-interface-information>
  </logical-interface>
</interface-information>
```

**Description** Shared interface information

### <shared-interface-information>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <shared-interface-information>
        <shared-interface-logical-interface>....</shared-interface-logical-interface>

        </shared-interface-information>
      </logical-interface>
    </physical-interface>
  </interface-filter-information>
```

**Description** Shared interface information

### <shared-interface-information>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <shared-interface-information>
      <shared-interface-logical-interface>....</shared-interface-logical-interface>
    </shared-interface-information>
  </logical-interface>
</interface-filter-information>
```

**Description** Shared interface information

### <shared-interface-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <shared-interface-information>
        <shared-interface-logical-interface>....</shared-interface-logical-interface>
```



```

    </shared-interface-information>
  </logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** Shared interface information

### <shared-interface-information>

#### Usage

```

<interface-policer-information>
  <logical-interface>
    <shared-interface-information>
      <shared-interface-logical-interface>....</shared-interface-logical-interface>
    </shared-interface-information>
  </logical-interface>
</interface-policer-information>

```

**Description** Shared interface information

### <shared-interface-logical-interface>

#### Usage

```

<shared-interface-logical-interface>
  <peer-interface-name>
    peer-interface-name
  </peer-interface-name>
  <interface-shared-with>
    interface-shared-with
  </interface-shared-with>
  <rx-fe>
    rx-fe
  </rx-fe>
  <rx-nhid>
    rx-nhid
  </rx-nhid>
  <tx-fe>
    tx-fe
  </tx-fe>
  <tx-nhid>
    tx-nhid
  </tx-nhid>
</shared-interface-logical-interface>

```

**Description** Shared interface logical interface

### <shared-interface-logical-interface>

#### Usage

```

<logical-interface>

```

```
<shared-interface-information>
  <shared-interface-logical-interface>
    <peer-interface-name>
      peer-interface-name
    </peer-interface-name>
    <interface-shared-with>
      interface-shared-with
    </interface-shared-with>
    <rx-fe>
      rx-fe
    </rx-fe>
    <rx-nhid>
      rx-nhid
    </rx-nhid>
    <tx-fe>
      tx-fe
    </tx-fe>
    <tx-nhid>
      tx-nhid
    </tx-nhid>
  </shared-interface-logical-interface>
</shared-interface-information>
</logical-interface>
```

**Description** Shared interface logical interface

### <shared-interface-logical-interface>

#### Usage

```
<physical-interface>
<logical-interface>
  <shared-interface-information>
    <shared-interface-logical-interface>
      <peer-interface-name>
        peer-interface-name
      </peer-interface-name>
      <interface-shared-with>
        interface-shared-with
      </interface-shared-with>
      <rx-fe>
        rx-fe
      </rx-fe>
      <rx-nhid>
        rx-nhid
      </rx-nhid>
      <tx-fe>
        tx-fe
      </tx-fe>
      <tx-nhid>
        tx-nhid
      </tx-nhid>
    </shared-interface-logical-interface>
  </shared-interface-information>
</logical-interface>
```

```
</physical-interface>
```

**Description** Shared interface logical interface

### <shared-interface-logical-interface>

#### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <shared-interface-information>
        <shared-interface-logical-interface>
          <peer-interface-name>
            peer-interface-name
          </peer-interface-name>
          <interface-shared-with>
            interface-shared-with
          </interface-shared-with>
          <rx-fe>
            rx-fe
          </rx-fe>
          <rx-nhid>
            rx-nhid
          </rx-nhid>
          <tx-fe>
            tx-fe
          </tx-fe>
          <tx-nhid>
            tx-nhid
          </tx-nhid>
        </shared-interface-logical-interface>
      </shared-interface-information>
    </logical-interface>
  </physical-interface>
</interface-information>
```

**Description** Shared interface logical interface

### <shared-interface-logical-interface>

#### Usage

```
<interface-information>
  <logical-interface>
    <shared-interface-information>
      <shared-interface-logical-interface>
        <peer-interface-name>
          peer-interface-name
        </peer-interface-name>
        <interface-shared-with>
          interface-shared-with
        </interface-shared-with>
        <rx-fe>
```

```
    rx-fe
  </rx-fe>
  <rx-nhid>
    rx-nhid
  </rx-nhid>
  <tx-fe>
    tx-fe
  </tx-fe>
  <tx-nhid>
    tx-nhid
  </tx-nhid>
</shared-interface-logical-interface>
</shared-interface-information>
</logical-interface>
</interface-information>
```

**Description** Shared interface logical interface

### <shared-interface-logical-interface>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <shared-interface-information>
        <shared-interface-logical-interface>
          <peer-interface-name>
            peer-interface-name
          </peer-interface-name>
          <interface-shared-with>
            interface-shared-with
          </interface-shared-with>
          <rx-fe>
            rx-fe
          </rx-fe>
          <rx-nhid>
            rx-nhid
          </rx-nhid>
          <tx-fe>
            tx-fe
          </tx-fe>
          <tx-nhid>
            tx-nhid
          </tx-nhid>
        </shared-interface-logical-interface>
      </shared-interface-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description** Shared interface logical interface

**<shared-interface-logical-interface>****Usage**

```

<interface-filter-information>
  <logical-interface>
    <shared-interface-information>
      <shared-interface-logical-interface>
        <peer-interface-name>
          peer-interface-name
        </peer-interface-name>
        <interface-shared-with>
          interface-shared-with
        </interface-shared-with>
        <rx-fe>
          rx-fe
        </rx-fe>
        <rx-nhid>
          rx-nhid
        </rx-nhid>
        <tx-fe>
          tx-fe
        </tx-fe>
        <tx-nhid>
          tx-nhid
        </tx-nhid>
      </shared-interface-logical-interface>
    </shared-interface-information>
  </logical-interface>
</interface-filter-information>

```

**Description**    Shared interface logical interface

**<shared-interface-logical-interface>****Usage**

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <shared-interface-information>
        <shared-interface-logical-interface>
          <peer-interface-name>
            peer-interface-name
          </peer-interface-name>
          <interface-shared-with>
            interface-shared-with
          </interface-shared-with>
          <rx-fe>
            rx-fe
          </rx-fe>
          <rx-nhid>
            rx-nhid
          </rx-nhid>
          <tx-fe>

```

```
    tx-fe
  </tx-fe>
  <tx-nhid>
    tx-nhid
  </tx-nhid>
</shared-interface-logical-interface>
</shared-interface-information>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

**Description** Shared interface logical interface

### <shared-interface-logical-interface>

#### Usage

```
<interface-policer-information>
<logical-interface>
  <shared-interface-information>
    <shared-interface-logical-interface>
      <peer-interface-name>
        peer-interface-name
      </peer-interface-name>
      <interface-shared-with>
        interface-shared-with
      </interface-shared-with>
      <rx-fe>
        rx-fe
      </rx-fe>
      <rx-nhid>
        rx-nhid
      </rx-nhid>
      <tx-fe>
        tx-fe
      </tx-fe>
      <tx-nhid>
        tx-nhid
      </tx-nhid>
    </shared-interface-logical-interface>
  </shared-interface-information>
</logical-interface>
</interface-policer-information>
```

**Description** Shared interface logical interface

### <shared-interface-physical-interface>

#### Usage

```
<shared-interface-physical-interface>
  <ownership>
    ownership
  </ownership>
```

</shared-interface-physical-interface>

**Description** Shared interface physical interface

<shared-interface-physical-interface>

**Usage**

```
<physical-interface>
  <shared-interface-physical-interface>
    <ownership>
      ownership
    </ownership>
  </shared-interface-physical-interface>
</physical-interface>
```

**Description** Shared interface physical interface

<shared-interface-physical-interface>

**Usage**

```
<interface-information>
  <physical-interface>
    <shared-interface-physical-interface>
      <ownership>
        ownership
      </ownership>
    </shared-interface-physical-interface>
  </physical-interface>
</interface-information>
```

**Description** Shared interface physical interface

<shared-interface-physical-interface>

**Usage**

```
<interface-filter-information>
  <physical-interface>
    <shared-interface-physical-interface>
      <ownership>
        ownership
      </ownership>
    </shared-interface-physical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description** Shared interface physical interface

## <shared-interface-physical-interface>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <shared-interface-physical-interface>
      <ownership>
        ownership
      </ownership>
    </shared-interface-physical-interface>
  </physical-interface>
</interface-policer-information>
```

**Description** Shared interface physical interface

## <shdsl-information>

### Usage

```
<shdsl-information>
  <shdsl-line-termination>
    shdsl-line-termination
  </shdsl-line-termination>
  <shdsl-annex>
    shdsl-annex
  </shdsl-annex>
  <shdsl-line-mode>
    shdsl-line-mode
  </shdsl-line-mode>
  <shdsl-modem-status>
    shdsl-modem-status
  </shdsl-modem-status>
  <shdsl-bit-rate>
    shdsl-bit-rate
  </shdsl-bit-rate>
  <shdsl-last-fail-reason>
    shdsl-last-fail-reason
  </shdsl-last-fail-reason>
  <shdsl-last-fail-code>
    shdsl-last-fail-code
  </shdsl-last-fail-code>
  <shdsl-framer-mode>
    shdsl-framer-mode
  </shdsl-framer-mode>
  <shdsl-dying-gasp>
    shdsl-dying-gasp
  </shdsl-dying-gasp>
  <shdsl-framer-sync-status>
    shdsl-framer-sync-status
  </shdsl-framer-sync-status>
  <shdsl-chipset-version>
    shdsl-chipset-version
  </shdsl-chipset-version>
  <shdsl-firmware-version>
```



```

    shdsl-firmware-version
  </shdsl-firmware-version>
  <shdsl-statistics>....</shdsl-statistics>
</shdsl-information>

```

**Description** Operational information and statistics for SHDSL interfaces

## <shdsl-information>

### Usage

```

<physical-interface>
  <shdsl-information>
    <shdsl-line-termination>
      shdsl-line-termination
    </shdsl-line-termination>
    <shdsl-annex>
      shdsl-annex
    </shdsl-annex>
    <shdsl-line-mode>
      shdsl-line-mode
    </shdsl-line-mode>
    <shdsl-modem-status>
      shdsl-modem-status
    </shdsl-modem-status>
    <shdsl-bit-rate>
      shdsl-bit-rate
    </shdsl-bit-rate>
    <shdsl-last-fail-reason>
      shdsl-last-fail-reason
    </shdsl-last-fail-reason>
    <shdsl-last-fail-code>
      shdsl-last-fail-code
    </shdsl-last-fail-code>
    <shdsl-framer-mode>
      shdsl-framer-mode
    </shdsl-framer-mode>
    <shdsl-dying-gasp>
      shdsl-dying-gasp
    </shdsl-dying-gasp>
    <shdsl-framer-sync-status>
      shdsl-framer-sync-status
    </shdsl-framer-sync-status>
    <shdsl-chipset-version>
      shdsl-chipset-version
    </shdsl-chipset-version>
    <shdsl-firmware-version>
      shdsl-firmware-version
    </shdsl-firmware-version>
    <shdsl-statistics>....</shdsl-statistics>
  </shdsl-information>
</physical-interface>

```

**Description** Operational information and statistics for SHDSL interfaces

## &lt;shdsl-information&gt;

## Usage

```
<interface-information>
<physical-interface>
  <shdsl-information>
    <shdsl-line-termination>
      shdsl-line-termination
    </shdsl-line-termination>
    <shdsl-annex>
      shdsl-annex
    </shdsl-annex>
    <shdsl-line-mode>
      shdsl-line-mode
    </shdsl-line-mode>
    <shdsl-modem-status>
      shdsl-modem-status
    </shdsl-modem-status>
    <shdsl-bit-rate>
      shdsl-bit-rate
    </shdsl-bit-rate>
    <shdsl-last-fail-reason>
      shdsl-last-fail-reason
    </shdsl-last-fail-reason>
    <shdsl-last-fail-code>
      shdsl-last-fail-code
    </shdsl-last-fail-code>
    <shdsl-framer-mode>
      shdsl-framer-mode
    </shdsl-framer-mode>
    <shdsl-dying-gasp>
      shdsl-dying-gasp
    </shdsl-dying-gasp>
    <shdsl-framer-sync-status>
      shdsl-framer-sync-status
    </shdsl-framer-sync-status>
    <shdsl-chipset-version>
      shdsl-chipset-version
    </shdsl-chipset-version>
    <shdsl-firmware-version>
      shdsl-firmware-version
    </shdsl-firmware-version>
    <shdsl-statistics>....</shdsl-statistics>
  </shdsl-information>
</physical-interface>
</interface-information>
```

**Description** Operational information and statistics for SHDSL interfaces

## &lt;shdsl-information&gt;

## Usage

```
<interface-filter-information>
```

```

<physical-interface>
  <shdsl-information>
    <shdsl-line-termination>
      shdsl-line-termination
    </shdsl-line-termination>
    <shdsl-annex>
      shdsl-annex
    </shdsl-annex>
    <shdsl-line-mode>
      shdsl-line-mode
    </shdsl-line-mode>
    <shdsl-modem-status>
      shdsl-modem-status
    </shdsl-modem-status>
    <shdsl-bit-rate>
      shdsl-bit-rate
    </shdsl-bit-rate>
    <shdsl-last-fail-reason>
      shdsl-last-fail-reason
    </shdsl-last-fail-reason>
    <shdsl-last-fail-code>
      shdsl-last-fail-code
    </shdsl-last-fail-code>
    <shdsl-framer-mode>
      shdsl-framer-mode
    </shdsl-framer-mode>
    <shdsl-dying-gasp>
      shdsl-dying-gasp
    </shdsl-dying-gasp>
    <shdsl-framer-sync-status>
      shdsl-framer-sync-status
    </shdsl-framer-sync-status>
    <shdsl-chipset-version>
      shdsl-chipset-version
    </shdsl-chipset-version>
    <shdsl-firmware-version>
      shdsl-firmware-version
    </shdsl-firmware-version>
    <shdsl-statistics>....</shdsl-statistics>
  </shdsl-information>
</physical-interface>
</interface-filter-information>

```

**Description** Operational information and statistics for SHDSL interfaces

### <shdsl-information>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <shdsl-information>
      <shdsl-line-termination>
        shdsl-line-termination
      </shdsl-line-termination>
    </shdsl-information>
  </physical-interface>
</interface-policer-information>

```

```
<shdsl-annex>
  shdsl-annex
</shdsl-annex>
<shdsl-line-mode>
  shdsl-line-mode
</shdsl-line-mode>
<shdsl-modem-status>
  shdsl-modem-status
</shdsl-modem-status>
<shdsl-bit-rate>
  shdsl-bit-rate
</shdsl-bit-rate>
<shdsl-last-fail-reason>
  shdsl-last-fail-reason
</shdsl-last-fail-reason>
<shdsl-last-fail-code>
  shdsl-last-fail-code
</shdsl-last-fail-code>
<shdsl-framer-mode>
  shdsl-framer-mode
</shdsl-framer-mode>
<shdsl-dying-gasp>
  shdsl-dying-gasp
</shdsl-dying-gasp>
<shdsl-framer-sync-status>
  shdsl-framer-sync-status
</shdsl-framer-sync-status>
<shdsl-chipset-version>
  shdsl-chipset-version
</shdsl-chipset-version>
<shdsl-firmware-version>
  shdsl-firmware-version
</shdsl-firmware-version>
<shdsl-statistics>....</shdsl-statistics>
</shdsl-information>
</physical-interface>
</interface-policer-information>
```

**Description** Operational information and statistics for SHDSL interfaces

### <shdsl-statistics>

#### Usage

```
<shdsl-information>
  <shdsl-statistics>
    <shdsl-loop-attenuation>
      shdsl-loop-attenuation
    </shdsl-loop-attenuation>
    <shdsl-transmit-power>
      shdsl-transmit-power
    </shdsl-transmit-power>
    <shdsl-receiver-gain>
      shdsl-receiver-gain
    </shdsl-receiver-gain>
```

```

<shdsl-snr-sampling>
  shdsl-snr-sampling
</shdsl-snr-sampling>
<shdsl-rx-cells>
  shdsl-rx-cells
</shdsl-rx-cells>
<shdsl-tx-cells>
  shdsl-tx-cells
</shdsl-tx-cells>
<shdsl-crc>
  shdsl-crc
</shdsl-crc>
<shdsl-sega>
  shdsl-sega
</shdsl-sega>
<shdsl-losw>
  shdsl-losw
</shdsl-losw>
<shdsl-hec>
  shdsl-hec
</shdsl-hec>
<shdsl-cell-drop>
  shdsl-cell-drop
</shdsl-cell-drop>
</shdsl-statistics>
</shdsl-information>

```

## Description

<shdsl-statistics>

## Usage

```

<physical-interface>
<shdsl-information>
  <shdsl-statistics>
    <shdsl-loop-attenuation>
      shdsl-loop-attenuation
    </shdsl-loop-attenuation>
    <shdsl-transmit-power>
      shdsl-transmit-power
    </shdsl-transmit-power>
    <shdsl-receiver-gain>
      shdsl-receiver-gain
    </shdsl-receiver-gain>
    <shdsl-snr-sampling>
      shdsl-snr-sampling
    </shdsl-snr-sampling>
    <shdsl-rx-cells>
      shdsl-rx-cells
    </shdsl-rx-cells>
    <shdsl-tx-cells>
      shdsl-tx-cells
    </shdsl-tx-cells>
    <shdsl-crc>
      shdsl-crc
  
```

```
</shdsl-crc>
<shdsl-sega>
  shdsl-sega
</shdsl-sega>
<shdsl-losw>
  shdsl-losw
</shdsl-losw>
<shdsl-hec>
  shdsl-hec
</shdsl-hec>
<shdsl-cell-drop>
  shdsl-cell-drop
</shdsl-cell-drop>
</shdsl-statistics>
</shdsl-information>
</physical-interface>
```

## Description

### <shdsl-statistics>

#### Usage

```
<interface-information>
<physical-interface>
  <shdsl-information>
    <shdsl-statistics>
      <shdsl-loop-attenuation>
        shdsl-loop-attenuation
      </shdsl-loop-attenuation>
      <shdsl-transmit-power>
        shdsl-transmit-power
      </shdsl-transmit-power>
      <shdsl-receiver-gain>
        shdsl-receiver-gain
      </shdsl-receiver-gain>
      <shdsl-snr-sampling>
        shdsl-snr-sampling
      </shdsl-snr-sampling>
      <shdsl-rx-cells>
        shdsl-rx-cells
      </shdsl-rx-cells>
      <shdsl-tx-cells>
        shdsl-tx-cells
      </shdsl-tx-cells>
      <shdsl-crc>
        shdsl-crc
      </shdsl-crc>
      <shdsl-sega>
        shdsl-sega
      </shdsl-sega>
      <shdsl-losw>
        shdsl-losw
      </shdsl-losw>
      <shdsl-hec>
        shdsl-hec
```

```

</shdsl-hec>
<shdsl-cell-drop>
  shdsl-cell-drop
</shdsl-cell-drop>
</shdsl-statistics>
</shdsl-information>
</physical-interface>
</interface-information>

```

## Description

### <shdsl-statistics>

#### Usage

```

<interface-filter-information>
<physical-interface>
  <shdsl-information>
    <shdsl-statistics>
      <shdsl-loop-attenuation>
        shdsl-loop-attenuation
      </shdsl-loop-attenuation>
      <shdsl-transmit-power>
        shdsl-transmit-power
      </shdsl-transmit-power>
      <shdsl-receiver-gain>
        shdsl-receiver-gain
      </shdsl-receiver-gain>
      <shdsl-snr-sampling>
        shdsl-snr-sampling
      </shdsl-snr-sampling>
      <shdsl-rx-cells>
        shdsl-rx-cells
      </shdsl-rx-cells>
      <shdsl-tx-cells>
        shdsl-tx-cells
      </shdsl-tx-cells>
      <shdsl-crc>
        shdsl-crc
      </shdsl-crc>
      <shdsl-sega>
        shdsl-sega
      </shdsl-sega>
      <shdsl-losw>
        shdsl-losw
      </shdsl-losw>
      <shdsl-hec>
        shdsl-hec
      </shdsl-hec>
      <shdsl-cell-drop>
        shdsl-cell-drop
      </shdsl-cell-drop>
    </shdsl-statistics>
  </shdsl-information>
</physical-interface>

```

</interface-filter-information>

## Description

<shdsl-statistics>

## Usage

```
<interface-policer-information>
  <physical-interface>
    <shdsl-information>
      <shdsl-statistics>
        <shdsl-loop-attenuation>
          shdsl-loop-attenuation
        </shdsl-loop-attenuation>
        <shdsl-transmit-power>
          shdsl-transmit-power
        </shdsl-transmit-power>
        <shdsl-receiver-gain>
          shdsl-receiver-gain
        </shdsl-receiver-gain>
        <shdsl-snr-sampling>
          shdsl-snr-sampling
        </shdsl-snr-sampling>
        <shdsl-rx-cells>
          shdsl-rx-cells
        </shdsl-rx-cells>
        <shdsl-tx-cells>
          shdsl-tx-cells
        </shdsl-tx-cells>
        <shdsl-crc>
          shdsl-crc
        </shdsl-crc>
        <shdsl-sega>
          shdsl-sega
        </shdsl-sega>
        <shdsl-losw>
          shdsl-losw
        </shdsl-losw>
        <shdsl-hec>
          shdsl-hec
        </shdsl-hec>
        <shdsl-cell-drop>
          shdsl-cell-drop
        </shdsl-cell-drop>
      </shdsl-statistics>
    </shdsl-information>
  </physical-interface>
</interface-policer-information>
```

## Description



**<sonet-errors>****Usage**

```
<sonet-errors>
  <media-alarm>....</media-alarm>
</sonet-errors>
```

**Description****<sonet-errors>****Usage**

```
<physical-interface>
  <sonet-errors>
    <media-alarm>....</media-alarm>
  </sonet-errors>
</physical-interface>
```

**Description****<sonet-errors>****Usage**

```
<physical-interface>
  <links>
    <link-entry>
      <sonet-errors>
        <media-alarm>....</media-alarm>
      </sonet-errors>
    </link-entry>
  </links>
</physical-interface>
```

**Description****<sonet-errors>****Usage**

```
<interface-information>
  <physical-interface>
    <sonet-errors>
      <media-alarm>....</media-alarm>
    </sonet-errors>
  </physical-interface>
</interface-information>
```

**Description****<sonet-errors>****Usage**

```
<interface-information>
```

```
<physical-interface>
  <links>
    <link-entry>
      <sonet-errors>
        <media-alarm>....</media-alarm>
      </sonet-errors>
    </link-entry>
  </links>
</physical-interface>
</interface-information>
```

#### Description

#### <sonet-errors>

##### Usage

```
<interface-filter-information>
  <physical-interface>
    <sonet-errors>
      <media-alarm>....</media-alarm>
    </sonet-errors>
  </physical-interface>
</interface-filter-information>
```

#### Description

#### <sonet-errors>

##### Usage

```
<interface-filter-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-errors>
          <media-alarm>....</media-alarm>
        </sonet-errors>
      </link-entry>
    </links>
  </physical-interface>
</interface-filter-information>
```

#### Description

#### <sonet-errors>

##### Usage

```
<interface-policer-information>
  <physical-interface>
    <sonet-errors>
      <media-alarm>....</media-alarm>
    </sonet-errors>
  </physical-interface>
```

```
</interface-policer-information>
```

#### Description

```
<sonet-errors>
```

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-errors>
          <media-alarm>....</media-alarm>
        </sonet-errors>
      </link-entry>
    </links>
  </physical-interface>
</interface-policer-information>
```

#### Description

```
<sonet-line-information>
```

#### Usage

```
<sonet-line-information>
  <media-alarm>....</media-alarm>
</sonet-line-information>
```

#### Description

```
<sonet-line-information>
```

#### Usage

```
<physical-interface>
  <sonet-line-information>
    <media-alarm>....</media-alarm>
  </sonet-line-information>
</physical-interface>
```

#### Description

```
<sonet-line-information>
```

#### Usage

```
<physical-interface>
  <links>
    <link-entry>
      <sonet-line-information>
        <media-alarm>....</media-alarm>
      </sonet-line-information>
    </link-entry>
  </links>
```

</physical-interface>

#### Description

### <sonet-line-information>

#### Usage

```
<interface-information>
  <physical-interface>
    <sonet-line-information>
      <media-alarm>....</media-alarm>
    </sonet-line-information>
  </physical-interface>
</interface-information>
```

#### Description

### <sonet-line-information>

#### Usage

```
<interface-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-line-information>
          <media-alarm>....</media-alarm>
        </sonet-line-information>
      </link-entry>
    </links>
  </physical-interface>
</interface-information>
```

#### Description

### <sonet-line-information>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <sonet-line-information>
      <media-alarm>....</media-alarm>
    </sonet-line-information>
  </physical-interface>
</interface-filter-information>
```

#### Description

### <sonet-line-information>

#### Usage

```
<interface-filter-information>
  <physical-interface>
```

```

<links>
  <link-entry>
    <sonet-line-information>
      <media-alarm>....</media-alarm>
    </sonet-line-information>
  </link-entry>
</links>
</physical-interface>
</interface-filter-information>

```

#### Description

### <sonet-line-information>

#### Usage

```

<interface-policer-information>
<physical-interface>
  <sonet-line-information>
    <media-alarm>....</media-alarm>
  </sonet-line-information>
</physical-interface>
</interface-policer-information>

```

#### Description

### <sonet-line-information>

#### Usage

```

<interface-policer-information>
<physical-interface>
  <links>
    <link-entry>
      <sonet-line-information>
        <media-alarm>....</media-alarm>
      </sonet-line-information>
    </link-entry>
  </links>
</physical-interface>
</interface-policer-information>

```

#### Description

### <sonet-path-information>

#### Usage

```

<sonet-path-information>
  <media-alarm>....</media-alarm>
</sonet-path-information>

```

#### Description

**<sonet-path-information>****Usage**

```
<physical-interface>
  <sonet-path-information>
    <media-alarm>....</media-alarm>
  </sonet-path-information>
</physical-interface>
```

**Description****<sonet-path-information>****Usage**

```
<physical-interface>
  <links>
    <link-entry>
      <sonet-path-information>
        <media-alarm>....</media-alarm>
      </sonet-path-information>
    </link-entry>
  </links>
</physical-interface>
```

**Description****<sonet-path-information>****Usage**

```
<interface-information>
  <physical-interface>
    <sonet-path-information>
      <media-alarm>....</media-alarm>
    </sonet-path-information>
  </physical-interface>
</interface-information>
```

**Description****<sonet-path-information>****Usage**

```
<interface-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-path-information>
          <media-alarm>....</media-alarm>
        </sonet-path-information>
      </link-entry>
    </links>
  </physical-interface>
```

</interface-information>

#### Description

<sonet-path-information>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <sonet-path-information>
      <media-alarm>....</media-alarm>
    </sonet-path-information>
  </physical-interface>
</interface-filter-information>
```

#### Description

<sonet-path-information>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-path-information>
          <media-alarm>....</media-alarm>
        </sonet-path-information>
      </link-entry>
    </links>
  </physical-interface>
</interface-filter-information>
```

#### Description

<sonet-path-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <sonet-path-information>
      <media-alarm>....</media-alarm>
    </sonet-path-information>
  </physical-interface>
</interface-policer-information>
```

#### Description

<sonet-path-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
```

```
<links>
  <link-entry>
    <sonet-path-information>
      <media-alarm>....</media-alarm>
    </sonet-path-information>
  </link-entry>
</links>
</physical-interface>
</interface-policer-information>
```

#### Description

### <sonet-payload-pointer-information>

#### Usage

```
<sonet-payload-pointer-information>
  <sonet-payload-pointer-curptr>
    sonet-payload-pointer-curptr
  </sonet-payload-pointer-curptr>
  <sonet-payload-pointer-ptrinc-count>
    sonet-payload-pointer-ptrinc-count
  </sonet-payload-pointer-ptrinc-count>
  <sonet-payload-pointer-ptrdec-count>
    sonet-payload-pointer-ptrdec-count
  </sonet-payload-pointer-ptrdec-count>
  <sonet-payload-pointer-newptr-ndf-count>
    sonet-payload-pointer-newptr-ndf-count
  </sonet-payload-pointer-newptr-ndf-count>
</sonet-payload-pointer-information>
```

#### Description

### <sonet-payload-pointer-information>

#### Usage

```
<physical-interface>
  <sonet-payload-pointer-information>
    <sonet-payload-pointer-curptr>
      sonet-payload-pointer-curptr
    </sonet-payload-pointer-curptr>
    <sonet-payload-pointer-ptrinc-count>
      sonet-payload-pointer-ptrinc-count
    </sonet-payload-pointer-ptrinc-count>
    <sonet-payload-pointer-ptrdec-count>
      sonet-payload-pointer-ptrdec-count
    </sonet-payload-pointer-ptrdec-count>
    <sonet-payload-pointer-newptr-ndf-count>
      sonet-payload-pointer-newptr-ndf-count
    </sonet-payload-pointer-newptr-ndf-count>
  </sonet-payload-pointer-information>
</physical-interface>
```

#### Description



**<sonet-payload-pointer-information>****Usage**

```

<physical-interface>
  <links>
    <link-entry>
      <sonet-payload-pointer-information>
        <sonet-payload-pointer-curptr>
          sonet-payload-pointer-curptr
        </sonet-payload-pointer-curptr>
        <sonet-payload-pointer-ptrinc-count>
          sonet-payload-pointer-ptrinc-count
        </sonet-payload-pointer-ptrinc-count>
        <sonet-payload-pointer-ptrdec-count>
          sonet-payload-pointer-ptrdec-count
        </sonet-payload-pointer-ptrdec-count>
        <sonet-payload-pointer-newptr-ndf-count>
          sonet-payload-pointer-newptr-ndf-count
        </sonet-payload-pointer-newptr-ndf-count>
      </sonet-payload-pointer-information>
    </link-entry>
  </links>
</physical-interface>

```

**Description****<sonet-payload-pointer-information>****Usage**

```

<interface-information>
  <physical-interface>
    <sonet-payload-pointer-information>
      <sonet-payload-pointer-curptr>
        sonet-payload-pointer-curptr
      </sonet-payload-pointer-curptr>
      <sonet-payload-pointer-ptrinc-count>
        sonet-payload-pointer-ptrinc-count
      </sonet-payload-pointer-ptrinc-count>
      <sonet-payload-pointer-ptrdec-count>
        sonet-payload-pointer-ptrdec-count
      </sonet-payload-pointer-ptrdec-count>
      <sonet-payload-pointer-newptr-ndf-count>
        sonet-payload-pointer-newptr-ndf-count
      </sonet-payload-pointer-newptr-ndf-count>
    </sonet-payload-pointer-information>
  </physical-interface>
</interface-information>

```

**Description**

## <sonet-payload-pointer-information>

### Usage

```
<interface-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-payload-pointer-information>
          <sonet-payload-pointer-curptr>
            sonet-payload-pointer-curptr
          </sonet-payload-pointer-curptr>
          <sonet-payload-pointer-ptrinc-count>
            sonet-payload-pointer-ptrinc-count
          </sonet-payload-pointer-ptrinc-count>
          <sonet-payload-pointer-ptrdec-count>
            sonet-payload-pointer-ptrdec-count
          </sonet-payload-pointer-ptrdec-count>
          <sonet-payload-pointer-newptr-ndf-count>
            sonet-payload-pointer-newptr-ndf-count
          </sonet-payload-pointer-newptr-ndf-count>
        </sonet-payload-pointer-information>
      </link-entry>
    </links>
  </physical-interface>
</interface-information>
```

### Description

## <sonet-payload-pointer-information>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <sonet-payload-pointer-information>
      <sonet-payload-pointer-curptr>
        sonet-payload-pointer-curptr
      </sonet-payload-pointer-curptr>
      <sonet-payload-pointer-ptrinc-count>
        sonet-payload-pointer-ptrinc-count
      </sonet-payload-pointer-ptrinc-count>
      <sonet-payload-pointer-ptrdec-count>
        sonet-payload-pointer-ptrdec-count
      </sonet-payload-pointer-ptrdec-count>
      <sonet-payload-pointer-newptr-ndf-count>
        sonet-payload-pointer-newptr-ndf-count
      </sonet-payload-pointer-newptr-ndf-count>
    </sonet-payload-pointer-information>
  </physical-interface>
</interface-filter-information>
```

### Description

**<sonet-payload-pointer-information>****Usage**

```

<interface-filter-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-payload-pointer-information>
          <sonet-payload-pointer-curptr>
            sonet-payload-pointer-curptr
          </sonet-payload-pointer-curptr>
          <sonet-payload-pointer-ptrinc-count>
            sonet-payload-pointer-ptrinc-count
          </sonet-payload-pointer-ptrinc-count>
          <sonet-payload-pointer-ptrdec-count>
            sonet-payload-pointer-ptrdec-count
          </sonet-payload-pointer-ptrdec-count>
          <sonet-payload-pointer-newptr-ndf-count>
            sonet-payload-pointer-newptr-ndf-count
          </sonet-payload-pointer-newptr-ndf-count>
        </sonet-payload-pointer-information>
      </link-entry>
    </links>
  </physical-interface>
</interface-filter-information>

```

**Description****<sonet-payload-pointer-information>****Usage**

```

<interface-policer-information>
  <physical-interface>
    <sonet-payload-pointer-information>
      <sonet-payload-pointer-curptr>
        sonet-payload-pointer-curptr
      </sonet-payload-pointer-curptr>
      <sonet-payload-pointer-ptrinc-count>
        sonet-payload-pointer-ptrinc-count
      </sonet-payload-pointer-ptrinc-count>
      <sonet-payload-pointer-ptrdec-count>
        sonet-payload-pointer-ptrdec-count
      </sonet-payload-pointer-ptrdec-count>
      <sonet-payload-pointer-newptr-ndf-count>
        sonet-payload-pointer-newptr-ndf-count
      </sonet-payload-pointer-newptr-ndf-count>
    </sonet-payload-pointer-information>
  </physical-interface>
</interface-policer-information>

```

**Description**

## <sonet-payload-pointer-information>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-payload-pointer-information>
          <sonet-payload-pointer-curptr>
            sonet-payload-pointer-curptr
          </sonet-payload-pointer-curptr>
          <sonet-payload-pointer-ptrinc-count>
            sonet-payload-pointer-ptrinc-count
          </sonet-payload-pointer-ptrinc-count>
          <sonet-payload-pointer-ptrdec-count>
            sonet-payload-pointer-ptrdec-count
          </sonet-payload-pointer-ptrdec-count>
          <sonet-payload-pointer-newptr-ndf-count>
            sonet-payload-pointer-newptr-ndf-count
          </sonet-payload-pointer-newptr-ndf-count>
        </sonet-payload-pointer-information>
      </link-entry>
    </links>
  </physical-interface>
</interface-policer-information>
```

### Description

## <sonet-physical-information>

### Usage

```
<sonet-physical-information>
  <media-alarm>....</media-alarm>
</sonet-physical-information>
```

### Description

## <sonet-physical-information>

### Usage

```
<physical-interface>
  <sonet-physical-information>
    <media-alarm>....</media-alarm>
  </sonet-physical-information>
</physical-interface>
```

### Description

## <sonet-physical-information>

### Usage

```
<physical-interface>
```

```

<links>
  <link-entry>
    <sonet-physical-information>
      <media-alarm>....</media-alarm>
    </sonet-physical-information>
  </link-entry>
</links>
</physical-interface>

```

#### Description

### <sonet-physical-information>

#### Usage

```

<interface-information>
  <physical-interface>
    <sonet-physical-information>
      <media-alarm>....</media-alarm>
    </sonet-physical-information>
  </physical-interface>
</interface-information>

```

#### Description

### <sonet-physical-information>

#### Usage

```

<interface-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-physical-information>
          <media-alarm>....</media-alarm>
        </sonet-physical-information>
      </link-entry>
    </links>
  </physical-interface>
</interface-information>

```

#### Description

### <sonet-physical-information>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <sonet-physical-information>
      <media-alarm>....</media-alarm>
    </sonet-physical-information>
  </physical-interface>
</interface-filter-information>

```

**Description****<sonet-physical-information>****Usage**

```
<interface-filter-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-physical-information>
          <media-alarm>....</media-alarm>
        </sonet-physical-information>
      </link-entry>
    </links>
  </physical-interface>
</interface-filter-information>
```

**Description****<sonet-physical-information>****Usage**

```
<interface-policer-information>
  <physical-interface>
    <sonet-physical-information>
      <media-alarm>....</media-alarm>
    </sonet-physical-information>
  </physical-interface>
</interface-policer-information>
```

**Description****<sonet-physical-information>****Usage**

```
<interface-policer-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-physical-information>
          <media-alarm>....</media-alarm>
        </sonet-physical-information>
      </link-entry>
    </links>
  </physical-interface>
</interface-policer-information>
```

**Description****<sonet-section-information>****Usage**

```
<sonet-section-information>
```

```

    <media-alarm>....</media-alarm>
  </sonet-section-information>

```

#### Description

**<sonet-section-information>**

#### Usage

```

<physical-interface>
  <sonet-section-information>
    <media-alarm>....</media-alarm>
  </sonet-section-information>
</physical-interface>

```

#### Description

**<sonet-section-information>**

#### Usage

```

<physical-interface>
  <links>
    <link-entry>
      <sonet-section-information>
        <media-alarm>....</media-alarm>
      </sonet-section-information>
    </link-entry>
  </links>
</physical-interface>

```

#### Description

**<sonet-section-information>**

#### Usage

```

<interface-information>
  <physical-interface>
    <sonet-section-information>
      <media-alarm>....</media-alarm>
    </sonet-section-information>
  </physical-interface>
</interface-information>

```

#### Description

**<sonet-section-information>**

#### Usage

```

<interface-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-section-information>

```

```

        <media-alarm>....</media-alarm>
      </sonet-section-information>
    </link-entry>
  </links>
</physical-interface>
</interface-information>

```

#### Description

### <sonet-section-information>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <sonet-section-information>
      <media-alarm>....</media-alarm>
    </sonet-section-information>
  </physical-interface>
</interface-filter-information>

```

#### Description

### <sonet-section-information>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-section-information>
          <media-alarm>....</media-alarm>
        </sonet-section-information>
      </link-entry>
    </links>
  </physical-interface>
</interface-filter-information>

```

#### Description

### <sonet-section-information>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <sonet-section-information>
      <media-alarm>....</media-alarm>
    </sonet-section-information>
  </physical-interface>
</interface-policer-information>

```

#### Description



**<sonet-section-information>****Usage**

```
<interface-policer-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-section-information>
          <media-alarm>....</media-alarm>
        </sonet-section-information>
      </link-entry>
    </links>
  </physical-interface>
</interface-policer-information>
```

**Description****<sonet-vt-information>****Usage**

```
<sonet-vt-information>
  <media-alarm>....</media-alarm>
</sonet-vt-information>
```

**Description****<sonet-vt-information>****Usage**

```
<physical-interface>
  <sonet-vt-information>
    <media-alarm>....</media-alarm>
  </sonet-vt-information>
</physical-interface>
```

**Description****<sonet-vt-information>****Usage**

```
<physical-interface>
  <links>
    <link-entry>
      <sonet-vt-information>
        <media-alarm>....</media-alarm>
      </sonet-vt-information>
    </link-entry>
  </links>
</physical-interface>
```

**Description**

**<sonet-vt-information>****Usage**

```
<interface-information>
  <physical-interface>
    <sonet-vt-information>
      <media-alarm>....</media-alarm>
    </sonet-vt-information>
  </physical-interface>
</interface-information>
```

**Description****<sonet-vt-information>****Usage**

```
<interface-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-vt-information>
          <media-alarm>....</media-alarm>
        </sonet-vt-information>
      </link-entry>
    </links>
  </physical-interface>
</interface-information>
```

**Description****<sonet-vt-information>****Usage**

```
<interface-filter-information>
  <physical-interface>
    <sonet-vt-information>
      <media-alarm>....</media-alarm>
    </sonet-vt-information>
  </physical-interface>
</interface-filter-information>
```

**Description****<sonet-vt-information>****Usage**

```
<interface-filter-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-vt-information>
          <media-alarm>....</media-alarm>
        </sonet-vt-information>
      </link-entry>
    </links>
  </physical-interface>
</interface-filter-information>
```

```
        </sonet-vt-information>
      </link-entry>
    </links>
  </physical-interface>
</interface-filter-information>
```

#### Description

### <sonet-vt-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <sonet-vt-information>
      <media-alarm>....</media-alarm>
    </sonet-vt-information>
  </physical-interface>
</interface-policer-information>
```

#### Description

### <sonet-vt-information>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <links>
      <link-entry>
        <sonet-vt-information>
          <media-alarm>....</media-alarm>
        </sonet-vt-information>
      </link-entry>
    </links>
  </physical-interface>
</interface-policer-information>
```

#### Description

### <source-class>

#### Usage

```
<source-class-statistics>
  <source-class>
    <scu-class-name>
      scu-class-name
    </scu-class-name>
    <scu-class-packets>
      scu-class-packets
    </scu-class-packets>
    <scu-class-bytes>
      scu-class-bytes
    </scu-class-bytes>
    <scu-class-pps>
```

```
    scu-class-pps
  </scu-class-pps>
  <scu-class-bps>
    scu-class-bps
  </scu-class-bps>
</source-class>
</source-class-statistics>
```

**Description** SCU statistics for a single class

### <source-class>

#### Usage

```
<address-family>
  <source-class-statistics>
    <source-class>
      <scu-class-name>
        scu-class-name
      </scu-class-name>
      <scu-class-packets>
        scu-class-packets
      </scu-class-packets>
      <scu-class-bytes>
        scu-class-bytes
      </scu-class-bytes>
      <scu-class-pps>
        scu-class-pps
      </scu-class-pps>
      <scu-class-bps>
        scu-class-bps
      </scu-class-bps>
    </source-class>
  </source-class-statistics>
</address-family>
```

**Description** SCU statistics for a single class

### <source-class>

#### Usage

```
<logical-interface>
  <address-family>
    <source-class-statistics>
      <source-class>
        <scu-class-name>
          scu-class-name
        </scu-class-name>
        <scu-class-packets>
          scu-class-packets
        </scu-class-packets>
        <scu-class-bytes>
          scu-class-bytes
```

```

</scu-class-bytes>
<scu-class-pps>
  scu-class-pps
</scu-class-pps>
<scu-class-bps>
  scu-class-bps
</scu-class-bps>
</source-class>
</source-class-statistics>
</address-family>
</logical-interface>

```

**Description** SCU statistics for a single class

### <source-class>

#### Usage

```

<physical-interface>
<logical-interface>
  <address-family>
    <source-class-statistics>
      <source-class>
        <scu-class-name>
          scu-class-name
        </scu-class-name>
        <scu-class-packets>
          scu-class-packets
        </scu-class-packets>
        <scu-class-bytes>
          scu-class-bytes
        </scu-class-bytes>
        <scu-class-pps>
          scu-class-pps
        </scu-class-pps>
        <scu-class-bps>
          scu-class-bps
        </scu-class-bps>
      </source-class>
    </source-class-statistics>
  </address-family>
</logical-interface>
</physical-interface>

```

**Description** SCU statistics for a single class

### <source-class>

#### Usage

```

<interface-information>
  <physical-interface>
  <logical-interface>
    <address-family>

```

```
<source-class-statistics>
  <source-class>
    <scu-class-name>
      scu-class-name
    </scu-class-name>
    <scu-class-packets>
      scu-class-packets
    </scu-class-packets>
    <scu-class-bytes>
      scu-class-bytes
    </scu-class-bytes>
    <scu-class-pps>
      scu-class-pps
    </scu-class-pps>
    <scu-class-bps>
      scu-class-bps
    </scu-class-bps>
  </source-class>
</source-class-statistics>
</address-family>
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** SCU statistics for a single class

### <source-class>

#### Usage

```
<interface-information>
  <logical-interface>
    <address-family>
      <source-class-statistics>
        <source-class>
          <scu-class-name>
            scu-class-name
          </scu-class-name>
          <scu-class-packets>
            scu-class-packets
          </scu-class-packets>
          <scu-class-bytes>
            scu-class-bytes
          </scu-class-bytes>
          <scu-class-pps>
            scu-class-pps
          </scu-class-pps>
          <scu-class-bps>
            scu-class-bps
          </scu-class-bps>
        </source-class>
      </source-class-statistics>
    </address-family>
  </logical-interface>
```

```
</interface-information>
```

**Description** SCU statistics for a single class

### <source-class>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <address-family>
        <source-class-statistics>
          <source-class>
            <scu-class-name>
              scu-class-name
            </scu-class-name>
            <scu-class-packets>
              scu-class-packets
            </scu-class-packets>
            <scu-class-bytes>
              scu-class-bytes
            </scu-class-bytes>
            <scu-class-pps>
              scu-class-pps
            </scu-class-pps>
            <scu-class-bps>
              scu-class-bps
            </scu-class-bps>
          </source-class>
        </source-class-statistics>
      </address-family>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

**Description** SCU statistics for a single class

### <source-class>

#### Usage

```
<interface-filter-information>
  <logical-interface>
    <address-family>
      <source-class-statistics>
        <source-class>
          <scu-class-name>
            scu-class-name
          </scu-class-name>
          <scu-class-packets>
            scu-class-packets
          </scu-class-packets>
          <scu-class-bytes>
```

```
    scu-class-bytes
  </scu-class-bytes>
  <scu-class-pps>
    scu-class-pps
  </scu-class-pps>
  <scu-class-bps>
    scu-class-bps
  </scu-class-bps>
</source-class>
</source-class-statistics>
</address-family>
</logical-interface>
</interface-filter-information>
```

**Description** SCU statistics for a single class

### <source-class>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <address-family>
        <source-class-statistics>
          <source-class>
            <scu-class-name>
              scu-class-name
            </scu-class-name>
            <scu-class-packets>
              scu-class-packets
            </scu-class-packets>
            <scu-class-bytes>
              scu-class-bytes
            </scu-class-bytes>
            <scu-class-pps>
              scu-class-pps
            </scu-class-pps>
            <scu-class-bps>
              scu-class-bps
            </scu-class-bps>
          </source-class>
        </source-class-statistics>
      </address-family>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```

**Description** SCU statistics for a single class



**<source-class>****Usage**

```

<interface-policer-information>
  <logical-interface>
    <address-family>
      <source-class-statistics>
        <source-class>
          <scu-class-name>
            scu-class-name
          </scu-class-name>
          <scu-class-packets>
            scu-class-packets
          </scu-class-packets>
          <scu-class-bytes>
            scu-class-bytes
          </scu-class-bytes>
          <scu-class-pps>
            scu-class-pps
          </scu-class-pps>
          <scu-class-bps>
            scu-class-bps
          </scu-class-bps>
        </source-class>
      </source-class-statistics>
    </address-family>
  </logical-interface>
</interface-policer-information>

```

**Description** SCU statistics for a single class

**<source-class-statistics>****Usage**

```

<source-class-statistics>
  <source-class>....</source-class>
</source-class-statistics>

```

**Description** Source class usage (SCU) statistics

**<source-class-statistics>****Usage**

```

<address-family>
  <source-class-statistics>
    <source-class>....</source-class>
  </source-class-statistics>
</address-family>

```

**Description** Source class usage (SCU) statistics

**<source-class-statistics>****Usage**

```
<logical-interface>
  <address-family>
    <source-class-statistics>
      <source-class>....</source-class>
    </source-class-statistics>
  </address-family>
</logical-interface>
```

**Description** Source class usage (SCU) statistics

**<source-class-statistics>****Usage**

```
<physical-interface>
  <logical-interface>
    <address-family>
      <source-class-statistics>
        <source-class>....</source-class>
      </source-class-statistics>
    </address-family>
  </logical-interface>
</physical-interface>
```

**Description** Source class usage (SCU) statistics

**<source-class-statistics>****Usage**

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <address-family>
        <source-class-statistics>
          <source-class>....</source-class>
        </source-class-statistics>
      </address-family>
    </logical-interface>
  </physical-interface>
</interface-information>
```

**Description** Source class usage (SCU) statistics

**<source-class-statistics>****Usage**

```
<interface-information>
  <logical-interface>
```

```
<address-family>
  <source-class-statistics>
    <source-class>....</source-class>
  </source-class-statistics>
</address-family>
</logical-interface>
</interface-information>
```

**Description** Source class usage (SCU) statistics

### <source-class-statistics>

#### Usage

```
<interface-filter-information>
<physical-interface>
<logical-interface>
  <address-family>
    <source-class-statistics>
      <source-class>....</source-class>
    </source-class-statistics>
  </address-family>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

**Description** Source class usage (SCU) statistics

### <source-class-statistics>

#### Usage

```
<interface-filter-information>
<logical-interface>
  <address-family>
    <source-class-statistics>
      <source-class>....</source-class>
    </source-class-statistics>
  </address-family>
</logical-interface>
</interface-filter-information>
```

**Description** Source class usage (SCU) statistics

### <source-class-statistics>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
  <address-family>
    <source-class-statistics>
      <source-class>....</source-class>
```

```
        </source-class-statistics>
      </address-family>
    </logical-interface>
  </physical-interface>
</interface-policer-information>
```

**Description** Source class usage (SCU) statistics

### <source-class-statistics>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <address-family>
      <source-class-statistics>
        <source-class>....</source-class>
      </source-class-statistics>
    </address-family>
  </logical-interface>
</interface-policer-information>
```

**Description** Source class usage (SCU) statistics

### <src-information>

#### Usage

```
<src-information>
  <src-chassis-name>
    src-chassis-name
  </src-chassis-name>
  <src-fpc>
    src-fpc
  </src-fpc>
  <src-pfe-id>
    src-pfe-id
  </src-pfe-id>
</src-information>
```

**Description**

### <src-information>

#### Usage

```
<physical-interface>
  <src-information>
    <src-chassis-name>
      src-chassis-name
    </src-chassis-name>
    <src-fpc>
      src-fpc
    </src-fpc>
  </src-information>
</physical-interface>
```

```
<src-pfe-id>  
  src-pfe-id  
</src-pfe-id>  
</src-information>  
</physical-interface>
```

#### Description

#### <src-information>

#### Usage

```
<interface-information>  
  <physical-interface>  
    <src-information>  
      <src-chassis-name>  
        src-chassis-name  
      </src-chassis-name>  
      <src-fpc>  
        src-fpc  
      </src-fpc>  
      <src-pfe-id>  
        src-pfe-id  
      </src-pfe-id>  
    </src-information>  
  </physical-interface>  
</interface-information>
```

#### Description

#### <src-information>

#### Usage

```
<interface-filter-information>  
  <physical-interface>  
    <src-information>  
      <src-chassis-name>  
        src-chassis-name  
      </src-chassis-name>  
      <src-fpc>  
        src-fpc  
      </src-fpc>  
      <src-pfe-id>  
        src-pfe-id  
      </src-pfe-id>  
    </src-information>  
  </physical-interface>  
</interface-filter-information>
```

#### Description

## <src-information>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <src-information>
      <src-chassis-name>
        src-chassis-name
      </src-chassis-name>
      <src-fpc>
        src-fpc
      </src-fpc>
      <src-pfe-id>
        src-pfe-id
      </src-pfe-id>
    </src-information>
  </physical-interface>
</interface-policer-information>
```

### Description

## <stp-traffic-statistics>

### Usage

```
<stp-traffic-statistics>
  <stp-input-bytes-dropped>
    stp-input-bytes-dropped
  </stp-input-bytes-dropped>
  <stp-output-bytes-dropped>
    stp-output-bytes-dropped
  </stp-output-bytes-dropped>
  <stp-input-packets-dropped>
    stp-input-packets-dropped
  </stp-input-packets-dropped>
  <stp-output-packets-dropped>
    stp-output-packets-dropped
  </stp-output-packets-dropped>
</stp-traffic-statistics>
```

### Description

## <stp-traffic-statistics>

### Usage

```
<physical-interface>
  <stp-traffic-statistics>
    <stp-input-bytes-dropped>
      stp-input-bytes-dropped
    </stp-input-bytes-dropped>
    <stp-output-bytes-dropped>
      stp-output-bytes-dropped
    </stp-output-bytes-dropped>
    <stp-input-packets-dropped>
```

```

        stp-input-packets-dropped
      </stp-input-packets-dropped>
      <stp-output-packets-dropped>
        stp-output-packets-dropped
      </stp-output-packets-dropped>
    </stp-traffic-statistics>
  </physical-interface>

```

#### Description

### <stp-traffic-statistics>

#### Usage

```

<interface-information>
  <physical-interface>
    <stp-traffic-statistics>
      <stp-input-bytes-dropped>
        stp-input-bytes-dropped
      </stp-input-bytes-dropped>
      <stp-output-bytes-dropped>
        stp-output-bytes-dropped
      </stp-output-bytes-dropped>
      <stp-input-packets-dropped>
        stp-input-packets-dropped
      </stp-input-packets-dropped>
      <stp-output-packets-dropped>
        stp-output-packets-dropped
      </stp-output-packets-dropped>
    </stp-traffic-statistics>
  </physical-interface>
</interface-information>

```

#### Description

### <stp-traffic-statistics>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <stp-traffic-statistics>
      <stp-input-bytes-dropped>
        stp-input-bytes-dropped
      </stp-input-bytes-dropped>
      <stp-output-bytes-dropped>
        stp-output-bytes-dropped
      </stp-output-bytes-dropped>
      <stp-input-packets-dropped>
        stp-input-packets-dropped
      </stp-input-packets-dropped>
      <stp-output-packets-dropped>
        stp-output-packets-dropped
      </stp-output-packets-dropped>
    </stp-traffic-statistics>
  </physical-interface>

```

</interface-filter-information>

#### Description

### <stp-traffic-statistics>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <stp-traffic-statistics>
      <stp-input-bytes-dropped>
        stp-input-bytes-dropped
      </stp-input-bytes-dropped>
      <stp-output-bytes-dropped>
        stp-output-bytes-dropped
      </stp-output-bytes-dropped>
      <stp-input-packets-dropped>
        stp-input-packets-dropped
      </stp-input-packets-dropped>
      <stp-output-packets-dropped>
        stp-output-packets-dropped
      </stp-output-packets-dropped>
    </stp-traffic-statistics>
  </physical-interface>
</interface-policer-information>
```

#### Description

### <sub-interface-list>

#### Usage

```
<sub-interface-list>
  <sub-interface-name>
    sub-interface-name
  </sub-interface-name>
</sub-interface-list>
```

#### Description

### <sub-interface-list>

#### Usage

```
<dialer-interface>
  <sub-interface-list>
    <sub-interface-name>
      sub-interface-name
    </sub-interface-name>
  </sub-interface-list>
</dialer-interface>
```

#### Description



**<sub-interface-list>****Usage**

```

<dialer-interface-information>
  <dialer-interface>
    <sub-interface-list>
      <sub-interface-name>
        sub-interface-name
      </sub-interface-name>
    </sub-interface-list>
  </dialer-interface>
</dialer-interface-information>

```

**Description****<sub-interface-list>****Usage**

```

<logical-interface>
  <dialer-information>
    <dialer-interface>
      <sub-interface-list>
        <sub-interface-name>
          sub-interface-name
        </sub-interface-name>
      </sub-interface-list>
    </dialer-interface>
  </dialer-information>
</logical-interface>

```

**Description****<sub-interface-list>****Usage**

```

<physical-interface>
  <logical-interface>
    <dialer-information>
      <dialer-interface>
        <sub-interface-list>
          <sub-interface-name>
            sub-interface-name
          </sub-interface-name>
        </sub-interface-list>
      </dialer-interface>
    </dialer-information>
  </logical-interface>
</physical-interface>

```

**Description**

## <sub-interface-list>

### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <dialer-information>
        <dialer-interface>
          <sub-interface-list>
            <sub-interface-name>
              sub-interface-name
            </sub-interface-name>
          </sub-interface-list>
        </dialer-interface>
      </dialer-information>
    </logical-interface>
  </physical-interface>
</interface-information>
```

### Description

## <sub-interface-list>

### Usage

```
<interface-information>
  <logical-interface>
    <dialer-information>
      <dialer-interface>
        <sub-interface-list>
          <sub-interface-name>
            sub-interface-name
          </sub-interface-name>
        </sub-interface-list>
      </dialer-interface>
    </dialer-information>
  </logical-interface>
</interface-information>
```

### Description

## <sub-interface-list>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <dialer-information>
        <dialer-interface>
          <sub-interface-list>
            <sub-interface-name>
              sub-interface-name
            </sub-interface-name>
          </sub-interface-list>
        </dialer-interface>
      </dialer-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

```

        </dialer-interface>
        </dialer-information>
    </logical-interface>
</physical-interface>
</interface-filter-information>

```

#### Description

#### <sub-interface-list>

##### Usage

```

<interface-filter-information>
  <logical-interface>
    <dialer-information>
      <dialer-interface>
        <sub-interface-list>
          <sub-interface-name>
            sub-interface-name
          </sub-interface-name>
        </sub-interface-list>
      </dialer-interface>
    </dialer-information>
  </logical-interface>
</interface-filter-information>

```

#### Description

#### <sub-interface-list>

##### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <dialer-information>
        <dialer-interface>
          <sub-interface-list>
            <sub-interface-name>
              sub-interface-name
            </sub-interface-name>
          </sub-interface-list>
        </dialer-interface>
      </dialer-information>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

#### Description

#### <sub-interface-list>

##### Usage

```

<interface-policer-information>
  <logical-interface>

```

```
<dialer-information>
  <dialer-interface>
    <sub-interface-list>
      <sub-interface-name>
        sub-interface-name
      </sub-interface-name>
    </sub-interface-list>
  </dialer-interface>
</dialer-information>
</logical-interface>
</interface-policer-information>
```

#### Description

<to-dce>

#### Usage

```
<serial-information>
  <eia530-control-signal>
    <to-dce>
      <dtr>
        dtr
      </dtr>
      <rts>
        rts
      </rts>
      <cts>
        cts
      </cts>
      <dcd>
        dcd
      </dcd>
      <dsr>
        dsr
      </dsr>
    </to-dce>
  </eia530-control-signal>
</serial-information>
```

#### Description

<to-dce>

#### Usage

```
<physical-interface>
  <serial-information>
    <eia530-control-signal>
      <to-dce>
        <dtr>
          dtr
        </dtr>
        <rts>
          rts
        </rts>
```

```

<cts>
  cts
</cts>
<dcd>
  dcd
</dcd>
<dsr>
  dsr
</dsr>
</to-dce>
</eia530-control-signal>
</serial-information>
</physical-interface>

```

#### Description

<to-dce>

#### Usage

```

<interface-information>
  <physical-interface>
    <serial-information>
      <eia530-control-signal>
        <to-dce>
          <dtr>
            dtr
          </dtr>
          <rts>
            rts
          </rts>
          <cts>
            cts
          </cts>
          <dcd>
            dcd
          </dcd>
          <dsr>
            dsr
          </dsr>
        </to-dce>
      </eia530-control-signal>
    </serial-information>
  </physical-interface>
</interface-information>

```

#### Description

<to-dce>

#### Usage

```

<interface-filter-information>
  <physical-interface>
    <serial-information>
      <eia530-control-signal>

```

```
<to-dce>
  <dtr>
    dtr
  </dtr>
  <rts>
    rts
  </rts>
  <cts>
    cts
  </cts>
  <dcd>
    dcd
  </dcd>
  <dsr>
    dsr
  </dsr>
</to-dce>
</eia530-control-signal>
</serial-information>
</physical-interface>
</interface-filter-information>
```

#### Description

<to-dce>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <serial-information>
      <eia530-control-signal>
        <to-dce>
          <dtr>
            dtr
          </dtr>
          <rts>
            rts
          </rts>
          <cts>
            cts
          </cts>
          <dcd>
            dcd
          </dcd>
          <dsr>
            dsr
          </dsr>
        </to-dce>
      </eia530-control-signal>
    </serial-information>
  </physical-interface>
</interface-policer-information>
```

#### Description

**<to-dte>****Usage**

```

<serial-information>
  <eia530-control-signal>
    <to-dte>
      <dtr>
        dtr
      </dtr>
      <rts>
        rts
      </rts>
      <cts>
        cts
      </cts>
      <dcd>
        dcd
      </dcd>
      <dsr>
        dsr
      </dsr>
    </to-dte>
  </eia530-control-signal>
</serial-information>

```

**Description****<to-dte>****Usage**

```

<physical-interface>
  <serial-information>
    <eia530-control-signal>
      <to-dte>
        <dtr>
          dtr
        </dtr>
        <rts>
          rts
        </rts>
        <cts>
          cts
        </cts>
        <dcd>
          dcd
        </dcd>
        <dsr>
          dsr
        </dsr>
      </to-dte>
    </eia530-control-signal>
  </serial-information>
</physical-interface>

```

**Description****<to-dte>****Usage**

```
<interface-information>
<physical-interface>
  <serial-information>
    <eia530-control-signal>
      <to-dte>
        <dtr>
          dtr
        </dtr>
        <rts>
          rts
        </rts>
        <cts>
          cts
        </cts>
        <dcd>
          dcd
        </dcd>
        <dsr>
          dsr
        </dsr>
      </to-dte>
    </eia530-control-signal>
  </serial-information>
</physical-interface>
</interface-information>
```

**Description****<to-dte>****Usage**

```
<interface-filter-information>
<physical-interface>
  <serial-information>
    <eia530-control-signal>
      <to-dte>
        <dtr>
          dtr
        </dtr>
        <rts>
          rts
        </rts>
        <cts>
          cts
        </cts>
        <dcd>
          dcd
        </dcd>
        <dsr>
          dsr
      </to-dte>
    </eia530-control-signal>
  </serial-information>
</physical-interface>
</interface-filter-information>
```



```

        </dsr>
      </to-dte>
    </eia530-control-signal>
  </serial-information>
</physical-interface>
</interface-filter-information>

```

#### Description

#### <to-dte>

#### Usage

```

<interface-policer-information>
<physical-interface>
  <serial-information>
    <eia530-control-signal>
      <to-dte>
        <dtr>
          dtr
        </dtr>
        <rts>
          rts
        </rts>
        <cts>
          cts
        </cts>
        <dcd>
          dcd
        </dcd>
        <dsr>
          dsr
        </dsr>
      </to-dte>
    </eia530-control-signal>
  </serial-information>
</physical-interface>
</interface-policer-information>

```

#### Description

#### <traffic-statistics>

#### Usage

```

<traffic-statistics>
  <input-bytes>
    input-bytes
  </input-bytes>
  <output-bytes>
    output-bytes
  </output-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-bps>

```

```
    output-bps
  </output-bps>
  <input-packets>
    input-packets
  </input-packets>
  <output-packets>
    output-packets
  </output-packets>
  <input-pps>
    input-pps
  </input-pps>
  <output-pps>
    output-pps
  </output-pps>
  <ipv6-transit-statistics>....</ipv6-transit-statistics>
  <ipv6-total-statistics>....</ipv6-total-statistics>
</traffic-statistics>
```

#### Description

**<traffic-statistics>**

#### Usage

```
<virtual-circuit-information>
  <traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
    <ipv6-transit-statistics>....</ipv6-transit-statistics>
    <ipv6-total-statistics>....</ipv6-total-statistics>
  </traffic-statistics>
</virtual-circuit-information>
```

## Description

## &lt;traffic-statistics&gt;

## Usage

```

<virtual-path-information>
  <traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
    <ipv6-transit-statistics>....</ipv6-transit-statistics>
    <ipv6-total-statistics>....</ipv6-total-statistics>
  </traffic-statistics>
</virtual-path-information>

```

## Description

## &lt;traffic-statistics&gt;

## Usage

```

<logical-interface>
  <traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
  </traffic-statistics>
</logical-interface>

```

```
<input-packets>
  input-packets
</input-packets>
<output-packets>
  output-packets
</output-packets>
<input-pps>
  input-pps
</input-pps>
<output-pps>
  output-pps
</output-pps>
<ipv6-transit-statistics>....</ipv6-transit-statistics>
<ipv6-total-statistics>....</ipv6-total-statistics>
</traffic-statistics>
</logical-interface>
```

## Description

### <traffic-statistics>

#### Usage

```
<logical-interface>
<virtual-circuit-information>
  <traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
    <ipv6-transit-statistics>....</ipv6-transit-statistics>
    <ipv6-total-statistics>....</ipv6-total-statistics>
  </traffic-statistics>
</virtual-circuit-information>
</logical-interface>
```

## Description

## &lt;traffic-statistics&gt;

## Usage

```

<physical-interface>
  <traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
    <ipv6-transit-statistics>....</ipv6-transit-statistics>
    <ipv6-total-statistics>....</ipv6-total-statistics>
  </traffic-statistics>
</physical-interface>

```

## Description

## &lt;traffic-statistics&gt;

## Usage

```

<physical-interface>
  <virtual-path-information>
    <traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-bps>
        output-bps

```

```
</output-bps>
<input-packets>
  input-packets
</input-packets>
<output-packets>
  output-packets
</output-packets>
<input-pps>
  input-pps
</input-pps>
<output-pps>
  output-pps
</output-pps>
<ipv6-transit-statistics>....</ipv6-transit-statistics>
<ipv6-total-statistics>....</ipv6-total-statistics>
</traffic-statistics>
</virtual-path-information>
</physical-interface>
```

## Description

### <traffic-statistics>

#### Usage

```
<physical-interface>
<logical-interface>
  <traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
    <ipv6-transit-statistics>....</ipv6-transit-statistics>
    <ipv6-total-statistics>....</ipv6-total-statistics>
  </traffic-statistics>
</logical-interface>
```

```
</physical-interface>
```

#### Description

**<traffic-statistics>**

#### Usage

```
<physical-interface>
<logical-interface>
<virtual-circuit-information>
  <traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
    <ipv6-transit-statistics>....</ipv6-transit-statistics>
    <ipv6-total-statistics>....</ipv6-total-statistics>
  </traffic-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
```

#### Description

**<traffic-statistics>**

#### Usage

```
<interface-set>
  <traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
```

```
</output-bytes>
<input-bps>
  input-bps
</input-bps>
<output-bps>
  output-bps
</output-bps>
<input-packets>
  input-packets
</input-packets>
<output-packets>
  output-packets
</output-packets>
<input-pps>
  input-pps
</input-pps>
<output-pps>
  output-pps
</output-pps>
<ipv6-transit-statistics>....</ipv6-transit-statistics>
<ipv6-total-statistics>....</ipv6-total-statistics>
</traffic-statistics>
</interface-set>
```

## Description

### <traffic-statistics>

#### Usage

```
<interface-information>
<physical-interface>
  <traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
```



```

    </output-pps>
    <ipv6-transit-statistics>....</ipv6-transit-statistics>
    <ipv6-total-statistics>....</ipv6-total-statistics>
  </traffic-statistics>
</physical-interface>
</interface-information>

```

## Description

### <traffic-statistics>

#### Usage

```

<interface-information>
<physical-interface>
<virtual-path-information>
  <traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
    <ipv6-transit-statistics>....</ipv6-transit-statistics>
    <ipv6-total-statistics>....</ipv6-total-statistics>
  </traffic-statistics>
</virtual-path-information>
</physical-interface>
</interface-information>

```

## Description

### <traffic-statistics>

#### Usage

```

<interface-information>
<physical-interface>

```

```
<logical-interface>
  <traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
    <ipv6-transit-statistics>....</ipv6-transit-statistics>
    <ipv6-total-statistics>....</ipv6-total-statistics>
  </traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>
```

## Description

### <traffic-statistics>

#### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <traffic-statistics>
          <input-bytes>
            input-bytes
          </input-bytes>
          <output-bytes>
            output-bytes
          </output-bytes>
          <input-bps>
            input-bps
          </input-bps>
          <output-bps>
            output-bps
          </output-bps>
```

```

    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
    <ipv6-transit-statistics>....</ipv6-transit-statistics>
    <ipv6-total-statistics>....</ipv6-total-statistics>
  </traffic-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-information>

```

#### Description

#### <traffic-statistics>

#### Usage

```

<interface-information>
  <logical-interface>
    <traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-bps>
        output-bps
      </output-bps>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>
        output-packets
      </output-packets>
      <input-pps>
        input-pps
      </input-pps>
      <output-pps>
        output-pps
      </output-pps>
      <ipv6-transit-statistics>....</ipv6-transit-statistics>
      <ipv6-total-statistics>....</ipv6-total-statistics>
    </traffic-statistics>
  </logical-interface>
</interface-information>

```

```
</logical-interface>
</interface-information>
```

#### Description

**<traffic-statistics>**

#### Usage

```
<interface-information>
  <logical-interface>
    <virtual-circuit-information>
      <traffic-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-bps>
          output-bps
        </output-bps>
        <input-packets>
          input-packets
        </input-packets>
        <output-packets>
          output-packets
        </output-packets>
        <input-pps>
          input-pps
        </input-pps>
        <output-pps>
          output-pps
        </output-pps>
        <ipv6-transit-statistics>....</ipv6-transit-statistics>
        <ipv6-total-statistics>....</ipv6-total-statistics>
      </traffic-statistics>
    </virtual-circuit-information>
  </logical-interface>
</interface-information>
```

#### Description

**<traffic-statistics>**

#### Usage

```
<interface-information>
  <interface-set>
    <traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
```

```

<output-bytes>
  output-bytes
</output-bytes>
<input-bps>
  input-bps
</input-bps>
<output-bps>
  output-bps
</output-bps>
<input-packets>
  input-packets
</input-packets>
<output-packets>
  output-packets
</output-packets>
<input-pps>
  input-pps
</input-pps>
<output-pps>
  output-pps
</output-pps>
<ipv6-transit-statistics>....</ipv6-transit-statistics>
<ipv6-total-statistics>....</ipv6-total-statistics>
</traffic-statistics>
</interface-set>
</interface-information>

```

## Description

<traffic-statistics>

## Usage

```

<interface-filter-information>
<physical-interface>
  <traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps

```

```
</input-pps>
<output-pps>
  output-pps
</output-pps>
<ipv6-transit-statistics>....</ipv6-transit-statistics>
<ipv6-total-statistics>....</ipv6-total-statistics>
</traffic-statistics>
</physical-interface>
</interface-filter-information>
```

## Description

### <traffic-statistics>

#### Usage

```
<interface-filter-information>
<physical-interface>
<virtual-path-information>
  <traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
    <ipv6-transit-statistics>....</ipv6-transit-statistics>
    <ipv6-total-statistics>....</ipv6-total-statistics>
  </traffic-statistics>
</virtual-path-information>
</physical-interface>
</interface-filter-information>
```

## Description

**<traffic-statistics>****Usage**

```

<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-bps>
        output-bps
      </output-bps>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>
        output-packets
      </output-packets>
      <input-pps>
        input-pps
      </input-pps>
      <output-pps>
        output-pps
      </output-pps>
      <ipv6-transit-statistics>....</ipv6-transit-statistics>
      <ipv6-total-statistics>....</ipv6-total-statistics>
    </traffic-statistics>
  </logical-interface>
</physical-interface>
</interface-filter-information>

```

**Description****<traffic-statistics>****Usage**

```

<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <virtual-circuit-information>
      <traffic-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
      </traffic-statistics>
    </virtual-circuit-information>
  </logical-interface>
</physical-interface>
</interface-filter-information>

```

```
<input-bps>
  input-bps
</input-bps>
<output-bps>
  output-bps
</output-bps>
<input-packets>
  input-packets
</input-packets>
<output-packets>
  output-packets
</output-packets>
<input-pps>
  input-pps
</input-pps>
<output-pps>
  output-pps
</output-pps>
<ipv6-transit-statistics>....</ipv6-transit-statistics>
<ipv6-total-statistics>....</ipv6-total-statistics>
</traffic-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

## Description

### <traffic-statistics>

#### Usage

```
<interface-filter-information>
<logical-interface>
  <traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
```



```

<output-pps>
  output-pps
</output-pps>
<ipv6-transit-statistics>....</ipv6-transit-statistics>
<ipv6-total-statistics>....</ipv6-total-statistics>
</traffic-statistics>
</logical-interface>
</interface-filter-information>

```

## Description

### <traffic-statistics>

#### Usage

```

<interface-filter-information>
<logical-interface>
<virtual-circuit-information>
  <traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
    <ipv6-transit-statistics>....</ipv6-transit-statistics>
    <ipv6-total-statistics>....</ipv6-total-statistics>
  </traffic-statistics>
</virtual-circuit-information>
</logical-interface>
</interface-filter-information>

```

## Description

## <traffic-statistics>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-bps>
        output-bps
      </output-bps>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>
        output-packets
      </output-packets>
      <input-pps>
        input-pps
      </input-pps>
      <output-pps>
        output-pps
      </output-pps>
      <ipv6-transit-statistics>....</ipv6-transit-statistics>
      <ipv6-total-statistics>....</ipv6-total-statistics>
    </traffic-statistics>
  </physical-interface>
</interface-policer-information>
```

### Description

## <traffic-statistics>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <virtual-path-information>
      <traffic-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-bps>
          input-bps
        </input-bps>
```

```

    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
    <ipv6-transit-statistics>....</ipv6-transit-statistics>
    <ipv6-total-statistics>....</ipv6-total-statistics>
  </traffic-statistics>
</virtual-path-information>
</physical-interface>
</interface-policer-information>

```

## Description

### <traffic-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <traffic-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-bps>
          input-bps
        </input-bps>
        <output-bps>
          output-bps
        </output-bps>
        <input-packets>
          input-packets
        </input-packets>
        <output-packets>
          output-packets
        </output-packets>
        <input-pps>
          input-pps
        </input-pps>
        <output-pps>
          output-pps
        </output-pps>
      </traffic-statistics>
    </logical-interface>
  </physical-interface>
</interface-policer-information>

```

```
<ipv6-transit-statistics>....</ipv6-transit-statistics>
<ipv6-total-statistics>....</ipv6-total-statistics>
</traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

## Description

### <traffic-statistics>

#### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
<virtual-circuit-information>
  <traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
    <ipv6-transit-statistics>....</ipv6-transit-statistics>
    <ipv6-total-statistics>....</ipv6-total-statistics>
  </traffic-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

## Description

**<traffic-statistics>****Usage**

```

<interface-policer-information>
  <logical-interface>
    <traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-bps>
        output-bps
      </output-bps>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>
        output-packets
      </output-packets>
      <input-pps>
        input-pps
      </input-pps>
      <output-pps>
        output-pps
      </output-pps>
      <ipv6-transit-statistics>....</ipv6-transit-statistics>
      <ipv6-total-statistics>....</ipv6-total-statistics>
    </traffic-statistics>
  </logical-interface>
</interface-policer-information>

```

**Description****<traffic-statistics>****Usage**

```

<interface-policer-information>
  <logical-interface>
    <virtual-circuit-information>
      <traffic-statistics>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-bps>
          input-bps
        </input-bps>

```

```
<output-bps>
  output-bps
</output-bps>
<input-packets>
  input-packets
</input-packets>
<output-packets>
  output-packets
</output-packets>
<input-pps>
  input-pps
</input-pps>
<output-pps>
  output-pps
</output-pps>
<ipv6-transit-statistics>....</ipv6-transit-statistics>
<ipv6-total-statistics>....</ipv6-total-statistics>
</traffic-statistics>
</virtual-circuit-information>
</logical-interface>
</interface-policer-information>
```

## Description

### <transit-traffic-statistics>

#### Usage

```
<transit-traffic-statistics>
  <input-bytes>
    input-bytes
  </input-bytes>
  <output-bytes>
    output-bytes
  </output-bytes>
  <input-bps>
    input-bps
  </input-bps>
  <output-bps>
    output-bps
  </output-bps>
  <input-packets>
    input-packets
  </input-packets>
  <output-packets>
    output-packets
  </output-packets>
  <input-pps>
    input-pps
  </input-pps>
  <output-pps>
    output-pps
  </output-pps>
  <ipv6-transit-statistics>....</ipv6-transit-statistics>
  <ipv6-total-statistics>....</ipv6-total-statistics>
```

</transit-traffic-statistics>

**Description** Statistics for traffic passing through the Packet Forwarding Engine

<transit-traffic-statistics>

**Usage**

```
<logical-interface>
  <transit-traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
    <ipv6-transit-statistics>....</ipv6-transit-statistics>
    <ipv6-total-statistics>....</ipv6-total-statistics>
  </transit-traffic-statistics>
</logical-interface>
```

**Description** Statistics for traffic passing through the Packet Forwarding Engine

<transit-traffic-statistics>

**Usage**

```
<physical-interface>
  <logical-interface>
    <transit-traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
```

```
<input-bps>
  input-bps
</input-bps>
<output-bps>
  output-bps
</output-bps>
<input-packets>
  input-packets
</input-packets>
<output-packets>
  output-packets
</output-packets>
<input-pps>
  input-pps
</input-pps>
<output-pps>
  output-pps
</output-pps>
<ipv6-transit-statistics>....</ipv6-transit-statistics>
<ipv6-total-statistics>....</ipv6-total-statistics>
</transit-traffic-statistics>
</logical-interface>
</physical-interface>
```

**Description** Statistics for traffic passing through the Packet Forwarding Engine

### <transit-traffic-statistics>

#### Usage

```
<interface-information>
<physical-interface>
<logical-interface>
  <transit-traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
```



```

    <output-pps>
      output-pps
    </output-pps>
    <ipv6-transit-statistics>....</ipv6-transit-statistics>
    <ipv6-total-statistics>....</ipv6-total-statistics>
  </transit-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-information>

```

**Description** Statistics for traffic passing through the Packet Forwarding Engine

### <transit-traffic-statistics>

#### Usage

```

<interface-information>
<logical-interface>
  <transit-traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
    <ipv6-transit-statistics>....</ipv6-transit-statistics>
    <ipv6-total-statistics>....</ipv6-total-statistics>
  </transit-traffic-statistics>
</logical-interface>
</interface-information>

```

**Description** Statistics for traffic passing through the Packet Forwarding Engine

## <transit-traffic-statistics>

### Usage

```
<interface-filter-information>
  <physical-interface>
  <logical-interface>
    <transit-traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-bps>
        output-bps
      </output-bps>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>
        output-packets
      </output-packets>
      <input-pps>
        input-pps
      </input-pps>
      <output-pps>
        output-pps
      </output-pps>
      <ipv6-transit-statistics>....</ipv6-transit-statistics>
      <ipv6-total-statistics>....</ipv6-total-statistics>
    </transit-traffic-statistics>
  </logical-interface>
</physical-interface>
</interface-filter-information>
```

**Description** Statistics for traffic passing through the Packet Forwarding Engine

## <transit-traffic-statistics>

### Usage

```
<interface-filter-information>
  <logical-interface>
    <transit-traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-bps>
```

```

    input-bps
  </input-bps>
  <output-bps>
    output-bps
  </output-bps>
  <input-packets>
    input-packets
  </input-packets>
  <output-packets>
    output-packets
  </output-packets>
  <input-pps>
    input-pps
  </input-pps>
  <output-pps>
    output-pps
  </output-pps>
  <ipv6-transit-statistics>....</ipv6-transit-statistics>
  <ipv6-total-statistics>....</ipv6-total-statistics>
</transit-traffic-statistics>
</logical-interface>
</interface-filter-information>

```

**Description** Statistics for traffic passing through the Packet Forwarding Engine

### <transit-traffic-statistics>

#### Usage

```

<interface-policer-information>
  <physical-interface>
  <logical-interface>
    <transit-traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-bps>
        input-bps
      </input-bps>
      <output-bps>
        output-bps
      </output-bps>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>
        output-packets
      </output-packets>
      <input-pps>
        input-pps
      </input-pps>
      <output-pps>

```

```
        output-pps
      </output-pps>
    <ipv6-transit-statistics>....</ipv6-transit-statistics>
    <ipv6-total-statistics>....</ipv6-total-statistics>
  </transit-traffic-statistics>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

**Description** Statistics for traffic passing through the Packet Forwarding Engine

### <transit-traffic-statistics>

#### Usage

```
<interface-policer-information>
<logical-interface>
  <transit-traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
    <ipv6-transit-statistics>....</ipv6-transit-statistics>
    <ipv6-total-statistics>....</ipv6-total-statistics>
  </transit-traffic-statistics>
</logical-interface>
</interface-policer-information>
```

**Description** Statistics for traffic passing through the Packet Forwarding Engine

## <tx-clock>

### Usage

```
<serial-information>
  <tx-clock>
    <tx-clock-mode>
      tx-clock-mode
    </tx-clock-mode>
  </tx-clock>
</serial-information>
```

### Description

## <tx-clock>

### Usage

```
<physical-interface>
  <serial-information>
    <tx-clock>
      <tx-clock-mode>
        tx-clock-mode
      </tx-clock-mode>
    </tx-clock>
  </serial-information>
</physical-interface>
```

### Description

## <tx-clock>

### Usage

```
<interface-information>
  <physical-interface>
    <serial-information>
      <tx-clock>
        <tx-clock-mode>
          tx-clock-mode
        </tx-clock-mode>
      </tx-clock>
    </serial-information>
  </physical-interface>
</interface-information>
```

### Description

## <tx-clock>

### Usage

```
<interface-filter-information>
  <physical-interface>
    <serial-information>
      <tx-clock>
```

```
<tx-clock-mode>  
  tx-clock-mode  
</tx-clock-mode>  
</tx-clock>  
</serial-information>  
</physical-interface>  
</interface-filter-information>
```

**Description****<tx-clock>****Usage**

```
<interface-policer-information>  
  <physical-interface>  
    <serial-information>  
      <tx-clock>  
        <tx-clock-mode>  
          tx-clock-mode  
        </tx-clock-mode>  
      </tx-clock>  
    </serial-information>  
  </physical-interface>  
</interface-policer-information>
```

**Description****<vci-range>****Usage**

```
<virtual-circuit-information>  
  <vci-range>  
    <vpi>  
      vpi  
    </vpi>  
    <start-vci>  
      start-vci  
    </start-vci>  
    <end-vci>  
      end-vci  
    </end-vci>  
  </vci-range>  
</virtual-circuit-information>
```

**Description**    ATM VCI range

**<vci-range>****Usage**

```
<logical-interface>  
  <virtual-circuit-information>  
    <vci-range>
```

```

    <vpi>
      vpi
    </vpi>
    <start-vci>
      start-vci
    </start-vci>
    <end-vci>
      end-vci
    </end-vci>
  </vci-range>
</virtual-circuit-information>
</logical-interface>

```

**Description** ATM VCI range

### <vci-range>

#### Usage

```

<physical-interface>
<logical-interface>
  <virtual-circuit-information>
    <vci-range>
      <vpi>
        vpi
      </vpi>
      <start-vci>
        start-vci
      </start-vci>
      <end-vci>
        end-vci
      </end-vci>
    </vci-range>
  </virtual-circuit-information>
</logical-interface>
</physical-interface>

```

**Description** ATM VCI range

### <vci-range>

#### Usage

```

<interface-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <vci-range>
          <vpi>
            vpi
          </vpi>
          <start-vci>
            start-vci
          </start-vci>

```

```
<end-vci>
  end-vci
</end-vci>
</vci-range>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-information>
```

**Description** ATM VCI range

### <vci-range>

#### Usage

```
<interface-information>
  <logical-interface>
    <virtual-circuit-information>
      <vci-range>
        <vpi>
          vpi
        </vpi>
        <start-vci>
          start-vci
        </start-vci>
        <end-vci>
          end-vci
        </end-vci>
      </vci-range>
    </virtual-circuit-information>
  </logical-interface>
</interface-information>
```

**Description** ATM VCI range

### <vci-range>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <vci-range>
          <vpi>
            vpi
          </vpi>
          <start-vci>
            start-vci
          </start-vci>
          <end-vci>
            end-vci
          </end-vci>
        </vci-range>
```



```

        </virtual-circuit-information>
      </logical-interface>
    </physical-interface>
  </interface-filter-information>

```

**Description** ATM VCI range

### <vci-range>

#### Usage

```

<interface-filter-information>
  <logical-interface>
    <virtual-circuit-information>
      <vci-range>
        <vpi>
          vpi
        </vpi>
        <start-vci>
          start-vci
        </start-vci>
        <end-vci>
          end-vci
        </end-vci>
      </vci-range>
    </virtual-circuit-information>
  </logical-interface>
</interface-filter-information>

```

**Description** ATM VCI range

### <vci-range>

#### Usage

```

<interface-policer-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <vci-range>
          <vpi>
            vpi
          </vpi>
          <start-vci>
            start-vci
          </start-vci>
          <end-vci>
            end-vci
          </end-vci>
        </vci-range>
      </virtual-circuit-information>
    </logical-interface>
  </physical-interface>

```

</interface-policer-information>

**Description**    ATM VCI range

### <vci-range>

#### Usage

```
<interface-policer-information>
  <logical-interface>
    <virtual-circuit-information>
      <vci-range>
        <vpi>
          vpi
        </vpi>
        <start-vci>
          start-vci
        </start-vci>
        <end-vci>
          end-vci
        </end-vci>
      </vci-range>
    </virtual-circuit-information>
  </logical-interface>
</interface-policer-information>
```

**Description**    ATM VCI range

### <vdsl-chipset-information>

#### Usage

```
<vdsl-information>
  <vdsl-chipset-information>
    <vtu-r-vendor-id>
      vtu-r-vendor-id
    </vtu-r-vendor-id>
    <vtu-c-vendor-id>
      vtu-c-vendor-id
    </vtu-c-vendor-id>
    <vtu-r-vendor-specific>
      vtu-r-vendor-specific
    </vtu-r-vendor-specific>
    <vtu-c-vendor-specific>
      vtu-c-vendor-specific
    </vtu-c-vendor-specific>
    <vtu-r-country-code>
      vtu-r-country-code
    </vtu-r-country-code>
    <vtu-c-country-code>
      vtu-c-country-code
    </vtu-c-country-code>
  </vdsl-chipset-information>
```

```
</vdsl-information>
```

### Description

## <vdsl-chipset-information>

### Usage

```
<physical-interface>
  <vdsl-information>
    <vdsl-chipset-information>
      <vtu-r-vendor-id>
        vtu-r-vendor-id
      </vtu-r-vendor-id>
      <vtu-c-vendor-id>
        vtu-c-vendor-id
      </vtu-c-vendor-id>
      <vtu-r-vendor-specific>
        vtu-r-vendor-specific
      </vtu-r-vendor-specific>
      <vtu-c-vendor-specific>
        vtu-c-vendor-specific
      </vtu-c-vendor-specific>
      <vtu-r-country-code>
        vtu-r-country-code
      </vtu-r-country-code>
      <vtu-c-country-code>
        vtu-c-country-code
      </vtu-c-country-code>
    </vdsl-chipset-information>
  </vdsl-information>
</physical-interface>
```

### Description

## <vdsl-chipset-information>

### Usage

```
<interface-information>
  <physical-interface>
    <vdsl-information>
      <vdsl-chipset-information>
        <vtu-r-vendor-id>
          vtu-r-vendor-id
        </vtu-r-vendor-id>
        <vtu-c-vendor-id>
          vtu-c-vendor-id
        </vtu-c-vendor-id>
        <vtu-r-vendor-specific>
          vtu-r-vendor-specific
        </vtu-r-vendor-specific>
        <vtu-c-vendor-specific>
          vtu-c-vendor-specific
        </vtu-c-vendor-specific>
        <vtu-r-country-code>
```

```
        vtu-r-country-code
      </vtu-r-country-code>
      <vtu-c-country-code>
        vtu-c-country-code
      </vtu-c-country-code>
    </vdsl-chipset-information>
  </vdsl-information>
</physical-interface>
</interface-information>
```

## Description

### <vdsl-chipset-information>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <vdsl-information>
    <vdsl-chipset-information>
      <vtu-r-vendor-id>
        vtu-r-vendor-id
      </vtu-r-vendor-id>
      <vtu-c-vendor-id>
        vtu-c-vendor-id
      </vtu-c-vendor-id>
      <vtu-r-vendor-specific>
        vtu-r-vendor-specific
      </vtu-r-vendor-specific>
      <vtu-c-vendor-specific>
        vtu-c-vendor-specific
      </vtu-c-vendor-specific>
      <vtu-r-country-code>
        vtu-r-country-code
      </vtu-r-country-code>
      <vtu-c-country-code>
        vtu-c-country-code
      </vtu-c-country-code>
    </vdsl-chipset-information>
  </vdsl-information>
</physical-interface>
</interface-filter-information>
```

## Description

### <vdsl-chipset-information>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <vdsl-information>
    <vdsl-chipset-information>
      <vtu-r-vendor-id>
        vtu-r-vendor-id
      </vtu-r-vendor-id>
```

```

    <vtu-c-vendor-id>
      vtu-c-vendor-id
    </vtu-c-vendor-id>
    <vtu-r-vendor-specific>
      vtu-r-vendor-specific
    </vtu-r-vendor-specific>
    <vtu-c-vendor-specific>
      vtu-c-vendor-specific
    </vtu-c-vendor-specific>
    <vtu-r-country-code>
      vtu-r-country-code
    </vtu-r-country-code>
    <vtu-c-country-code>
      vtu-c-country-code
    </vtu-c-country-code>
  </vdsl-chipset-information>
</vdsl-information>
</physical-interface>
</interface-policer-information>

```

#### Description

#### <vdsl-information>

#### Usage

```

<vdsl-information>
  <vdsl-line-status>
    vdsl-line-status
  </vdsl-line-status>
  <vdsl-line-profile-type>
    vdsl-line-profile-type
  </vdsl-line-profile-type>
  <vdsl-line-type>
    vdsl-line-type
  </vdsl-line-type>
  <vdsl-annex-type>
    vdsl-annex-type
  </vdsl-annex-type>
  <vdsl-last-fail-code>
    vdsl-last-fail-code
  </vdsl-last-fail-code>
  <vdsl-subfunction>
    vdsl-subfunction
  </vdsl-subfunction>
  <vdsl-seconds-in-showtime>
    vdsl-seconds-in-showtime
  </vdsl-seconds-in-showtime>
  <vdsl-chipset-information>....</vdsl-chipset-information>
  <vdsl-statistics>....</vdsl-statistics>
</vdsl-information>

```

**Description** Operational information and statistics for VDSL interfaces

## <vdsl-information>

### Usage

```
<physical-interface>
  <vdsl-information>
    <vdsl-line-status>
      vdsl-line-status
    </vdsl-line-status>
    <vdsl-line-profile-type>
      vdsl-line-profile-type
    </vdsl-line-profile-type>
    <vdsl-line-type>
      vdsl-line-type
    </vdsl-line-type>
    <vdsl-annex-type>
      vdsl-annex-type
    </vdsl-annex-type>
    <vdsl-last-fail-code>
      vdsl-last-fail-code
    </vdsl-last-fail-code>
    <vdsl-subfunction>
      vdsl-subfunction
    </vdsl-subfunction>
    <vdsl-seconds-in-showtime>
      vdsl-seconds-in-showtime
    </vdsl-seconds-in-showtime>
    <vdsl-chipset-information>....</vdsl-chipset-information>
    <vdsl-statistics>....</vdsl-statistics>
  </vdsl-information>
</physical-interface>
```

**Description** Operational information and statistics for VDSL interfaces

## <vdsl-information>

### Usage

```
<interface-information>
  <physical-interface>
    <vdsl-information>
      <vdsl-line-status>
        vdsl-line-status
      </vdsl-line-status>
      <vdsl-line-profile-type>
        vdsl-line-profile-type
      </vdsl-line-profile-type>
      <vdsl-line-type>
        vdsl-line-type
      </vdsl-line-type>
      <vdsl-annex-type>
        vdsl-annex-type
      </vdsl-annex-type>
      <vdsl-last-fail-code>
        vdsl-last-fail-code
      </vdsl-last-fail-code>
    </vdsl-information>
  </physical-interface>
</interface-information>
```

```

</vdsl-last-fail-code>
<vdsl-subfunction>
  vdsl-subfunction
</vdsl-subfunction>
<vdsl-seconds-in-showtime>
  vdsl-seconds-in-showtime
</vdsl-seconds-in-showtime>
<vdsl-chipset-information>....</vdsl-chipset-information>
<vdsl-statistics>....</vdsl-statistics>
</vdsl-information>
</physical-interface>
</interface-information>

```

**Description** Operational information and statistics for VDSL interfaces

## <vdsl-information>

### Usage

```

<interface-filter-information>
<physical-interface>
  <vdsl-information>
    <vdsl-line-status>
      vdsl-line-status
    </vdsl-line-status>
    <vdsl-line-profile-type>
      vdsl-line-profile-type
    </vdsl-line-profile-type>
    <vdsl-line-type>
      vdsl-line-type
    </vdsl-line-type>
    <vdsl-annex-type>
      vdsl-annex-type
    </vdsl-annex-type>
    <vdsl-last-fail-code>
      vdsl-last-fail-code
    </vdsl-last-fail-code>
    <vdsl-subfunction>
      vdsl-subfunction
    </vdsl-subfunction>
    <vdsl-seconds-in-showtime>
      vdsl-seconds-in-showtime
    </vdsl-seconds-in-showtime>
    <vdsl-chipset-information>....</vdsl-chipset-information>
    <vdsl-statistics>....</vdsl-statistics>
  </vdsl-information>
</physical-interface>
</interface-filter-information>

```

**Description** Operational information and statistics for VDSL interfaces

## <vdsl-information>

### Usage

```
<interface-policer-information>
  <physical-interface>
    <vdsl-information>
      <vdsl-line-status>
        vdsl-line-status
      </vdsl-line-status>
      <vdsl-line-profile-type>
        vdsl-line-profile-type
      </vdsl-line-profile-type>
      <vdsl-line-type>
        vdsl-line-type
      </vdsl-line-type>
      <vdsl-annex-type>
        vdsl-annex-type
      </vdsl-annex-type>
      <vdsl-last-fail-code>
        vdsl-last-fail-code
      </vdsl-last-fail-code>
      <vdsl-subfunction>
        vdsl-subfunction
      </vdsl-subfunction>
      <vdsl-seconds-in-showtime>
        vdsl-seconds-in-showtime
      </vdsl-seconds-in-showtime>
      <vdsl-chipset-information>....</vdsl-chipset-information>
      <vdsl-statistics>....</vdsl-statistics>
    </vdsl-information>
  </physical-interface>
</interface-policer-information>
```

**Description** Operational information and statistics for VDSL interfaces

## <vdsl-statistics>

### Usage

```
<vdsl-information>
  <vdsl-statistics>
    <vdsl-near-end-attainable-bitrate>
      vdsl-near-end-attainable-bitrate
    </vdsl-near-end-attainable-bitrate>
    <vdsl-far-end-attainable-bitrate>
      vdsl-far-end-attainable-bitrate
    </vdsl-far-end-attainable-bitrate>
    <vdsl-near-end-attenuation>
      vdsl-near-end-attenuation
    </vdsl-near-end-attenuation>
    <vdsl-far-end-attenuation>
      vdsl-far-end-attenuation
    </vdsl-far-end-attenuation>
    <vdsl-near-end-capacity-used>
```



```
    vdsl-near-end-capacity-used
  </vdsl-near-end-capacity-used>
  <vdsl-far-end-capacity-used>
    vdsl-far-end-capacity-used
  </vdsl-far-end-capacity-used>
  <vdsl-near-end-noise-margin>
    vdsl-near-end-noise-margin
  </vdsl-near-end-noise-margin>
  <vdsl-far-end-noise-margin>
    vdsl-far-end-noise-margin
  </vdsl-far-end-noise-margin>
  <vdsl-near-end-output-power>
    vdsl-near-end-output-power
  </vdsl-near-end-output-power>
  <vdsl-far-end-output-power>
    vdsl-far-end-output-power
  </vdsl-far-end-output-power>
  <vdsl-near-end-interleaved-bitrate>
    vdsl-near-end-interleaved-bitrate
  </vdsl-near-end-interleaved-bitrate>
  <vdsl-near-end-fast-bitrate>
    vdsl-near-end-fast-bitrate
  </vdsl-near-end-fast-bitrate>
  <vdsl-far-end-interleaved-bitrate>
    vdsl-far-end-interleaved-bitrate
  </vdsl-far-end-interleaved-bitrate>
  <vdsl-far-end-fast-bitrate>
    vdsl-far-end-fast-bitrate
  </vdsl-far-end-fast-bitrate>
  <vdsl-near-end-interleaved-crc>
    vdsl-near-end-interleaved-crc
  </vdsl-near-end-interleaved-crc>
  <vdsl-near-end-fast-crc>
    vdsl-near-end-fast-crc
  </vdsl-near-end-fast-crc>
  <vdsl-far-end-interleaved-crc>
    vdsl-far-end-interleaved-crc
  </vdsl-far-end-interleaved-crc>
  <vdsl-far-end-fast-crc>
    vdsl-far-end-fast-crc
  </vdsl-far-end-fast-crc>
  <vdsl-near-end-interleaved-hec>
    vdsl-near-end-interleaved-hec
  </vdsl-near-end-interleaved-hec>
  <vdsl-near-end-fast-hec>
    vdsl-near-end-fast-hec
  </vdsl-near-end-fast-hec>
  <vdsl-far-end-interleaved-hec>
    vdsl-far-end-interleaved-hec
  </vdsl-far-end-interleaved-hec>
  <vdsl-far-end-fast-hec>
    vdsl-far-end-fast-hec
  </vdsl-far-end-fast-hec>
  <vdsl-near-end-interleaved-fec>
    vdsl-near-end-interleaved-fec
  </vdsl-near-end-interleaved-fec>
```

```
<vdsl-near-end-fast-fec>
  vdsl-near-end-fast-fec
</vdsl-near-end-fast-fec>
<vdsl-far-end-interleaved-fec>
  vdsl-far-end-interleaved-fec
</vdsl-far-end-interleaved-fec>
<vdsl-far-end-fast-fec>
  vdsl-far-end-fast-fec
</vdsl-far-end-fast-fec>
<vdsl-near-end-interleaved-rx-cells>
  vdsl-near-end-interleaved-rx-cells
</vdsl-near-end-interleaved-rx-cells>
<vdsl-near-end-fast-rx-cells>
  vdsl-near-end-fast-rx-cells
</vdsl-near-end-fast-rx-cells>
<vdsl-near-end-interleaved-tx-cells>
  vdsl-near-end-interleaved-tx-cells
</vdsl-near-end-interleaved-tx-cells>
<vdsl-near-end-fast-tx-cells>
  vdsl-near-end-fast-tx-cells
</vdsl-near-end-fast-tx-cells>
</vdsl-statistics>
</vdsl-information>
```

## Description

### <vdsl-statistics>

#### Usage

```
<physical-interface>
<vdsl-information>
  <vdsl-statistics>
    <vdsl-near-end-attainable-bitrate>
      vdsl-near-end-attainable-bitrate
    </vdsl-near-end-attainable-bitrate>
    <vdsl-far-end-attainable-bitrate>
      vdsl-far-end-attainable-bitrate
    </vdsl-far-end-attainable-bitrate>
    <vdsl-near-end-attenuation>
      vdsl-near-end-attenuation
    </vdsl-near-end-attenuation>
    <vdsl-far-end-attenuation>
      vdsl-far-end-attenuation
    </vdsl-far-end-attenuation>
    <vdsl-near-end-capacity-used>
      vdsl-near-end-capacity-used
    </vdsl-near-end-capacity-used>
    <vdsl-far-end-capacity-used>
      vdsl-far-end-capacity-used
    </vdsl-far-end-capacity-used>
    <vdsl-near-end-noise-margin>
      vdsl-near-end-noise-margin
    </vdsl-near-end-noise-margin>
    <vdsl-far-end-noise-margin>
      vdsl-far-end-noise-margin
```

```
</vdsl-far-end-noise-margin>
<vdsl-near-end-output-power>
  vdsl-near-end-output-power
</vdsl-near-end-output-power>
<vdsl-far-end-output-power>
  vdsl-far-end-output-power
</vdsl-far-end-output-power>
<vdsl-near-end-interleaved-bitrate>
  vdsl-near-end-interleaved-bitrate
</vdsl-near-end-interleaved-bitrate>
<vdsl-near-end-fast-bitrate>
  vdsl-near-end-fast-bitrate
</vdsl-near-end-fast-bitrate>
<vdsl-far-end-interleaved-bitrate>
  vdsl-far-end-interleaved-bitrate
</vdsl-far-end-interleaved-bitrate>
<vdsl-far-end-fast-bitrate>
  vdsl-far-end-fast-bitrate
</vdsl-far-end-fast-bitrate>
<vdsl-near-end-interleaved-crc>
  vdsl-near-end-interleaved-crc
</vdsl-near-end-interleaved-crc>
<vdsl-near-end-fast-crc>
  vdsl-near-end-fast-crc
</vdsl-near-end-fast-crc>
<vdsl-far-end-interleaved-crc>
  vdsl-far-end-interleaved-crc
</vdsl-far-end-interleaved-crc>
<vdsl-far-end-fast-crc>
  vdsl-far-end-fast-crc
</vdsl-far-end-fast-crc>
<vdsl-near-end-interleaved-hec>
  vdsl-near-end-interleaved-hec
</vdsl-near-end-interleaved-hec>
<vdsl-near-end-fast-hec>
  vdsl-near-end-fast-hec
</vdsl-near-end-fast-hec>
<vdsl-far-end-interleaved-hec>
  vdsl-far-end-interleaved-hec
</vdsl-far-end-interleaved-hec>
<vdsl-far-end-fast-hec>
  vdsl-far-end-fast-hec
</vdsl-far-end-fast-hec>
<vdsl-near-end-interleaved-fec>
  vdsl-near-end-interleaved-fec
</vdsl-near-end-interleaved-fec>
<vdsl-near-end-fast-fec>
  vdsl-near-end-fast-fec
</vdsl-near-end-fast-fec>
<vdsl-far-end-interleaved-fec>
  vdsl-far-end-interleaved-fec
</vdsl-far-end-interleaved-fec>
<vdsl-far-end-fast-fec>
  vdsl-far-end-fast-fec
</vdsl-far-end-fast-fec>
<vdsl-near-end-interleaved-rx-cells>
```

```

        vdsl-near-end-interleaved-rx-cells
      </vdsl-near-end-interleaved-rx-cells>
    <vdsl-near-end-fast-rx-cells>
      vdsl-near-end-fast-rx-cells
    </vdsl-near-end-fast-rx-cells>
    <vdsl-near-end-interleaved-tx-cells>
      vdsl-near-end-interleaved-tx-cells
    </vdsl-near-end-interleaved-tx-cells>
    <vdsl-near-end-fast-tx-cells>
      vdsl-near-end-fast-tx-cells
    </vdsl-near-end-fast-tx-cells>
  </vdsl-statistics>
</vdsl-information>
</physical-interface>

```

## Description

### <vdsl-statistics>

#### Usage

```

<interface-information>
  <physical-interface>
    <vdsl-information>
      <vdsl-statistics>
        <vdsl-near-end-attainable-bitrate>
          vdsl-near-end-attainable-bitrate
        </vdsl-near-end-attainable-bitrate>
        <vdsl-far-end-attainable-bitrate>
          vdsl-far-end-attainable-bitrate
        </vdsl-far-end-attainable-bitrate>
        <vdsl-near-end-attenuation>
          vdsl-near-end-attenuation
        </vdsl-near-end-attenuation>
        <vdsl-far-end-attenuation>
          vdsl-far-end-attenuation
        </vdsl-far-end-attenuation>
        <vdsl-near-end-capacity-used>
          vdsl-near-end-capacity-used
        </vdsl-near-end-capacity-used>
        <vdsl-far-end-capacity-used>
          vdsl-far-end-capacity-used
        </vdsl-far-end-capacity-used>
        <vdsl-near-end-noise-margin>
          vdsl-near-end-noise-margin
        </vdsl-near-end-noise-margin>
        <vdsl-far-end-noise-margin>
          vdsl-far-end-noise-margin
        </vdsl-far-end-noise-margin>
        <vdsl-near-end-output-power>
          vdsl-near-end-output-power
        </vdsl-near-end-output-power>
        <vdsl-far-end-output-power>
          vdsl-far-end-output-power
        </vdsl-far-end-output-power>
        <vdsl-near-end-interleaved-bitrate>

```

```
    vdsl-near-end-interleaved-bitrate
  </vdsl-near-end-interleaved-bitrate>
  <vdsl-near-end-fast-bitrate>
    vdsl-near-end-fast-bitrate
  </vdsl-near-end-fast-bitrate>
  <vdsl-far-end-interleaved-bitrate>
    vdsl-far-end-interleaved-bitrate
  </vdsl-far-end-interleaved-bitrate>
  <vdsl-far-end-fast-bitrate>
    vdsl-far-end-fast-bitrate
  </vdsl-far-end-fast-bitrate>
  <vdsl-near-end-interleaved-crc>
    vdsl-near-end-interleaved-crc
  </vdsl-near-end-interleaved-crc>
  <vdsl-near-end-fast-crc>
    vdsl-near-end-fast-crc
  </vdsl-near-end-fast-crc>
  <vdsl-far-end-interleaved-crc>
    vdsl-far-end-interleaved-crc
  </vdsl-far-end-interleaved-crc>
  <vdsl-far-end-fast-crc>
    vdsl-far-end-fast-crc
  </vdsl-far-end-fast-crc>
  <vdsl-near-end-interleaved-hec>
    vdsl-near-end-interleaved-hec
  </vdsl-near-end-interleaved-hec>
  <vdsl-near-end-fast-hec>
    vdsl-near-end-fast-hec
  </vdsl-near-end-fast-hec>
  <vdsl-far-end-interleaved-hec>
    vdsl-far-end-interleaved-hec
  </vdsl-far-end-interleaved-hec>
  <vdsl-far-end-fast-hec>
    vdsl-far-end-fast-hec
  </vdsl-far-end-fast-hec>
  <vdsl-near-end-interleaved-fec>
    vdsl-near-end-interleaved-fec
  </vdsl-near-end-interleaved-fec>
  <vdsl-near-end-fast-fec>
    vdsl-near-end-fast-fec
  </vdsl-near-end-fast-fec>
  <vdsl-far-end-interleaved-fec>
    vdsl-far-end-interleaved-fec
  </vdsl-far-end-interleaved-fec>
  <vdsl-far-end-fast-fec>
    vdsl-far-end-fast-fec
  </vdsl-far-end-fast-fec>
  <vdsl-near-end-interleaved-rx-cells>
    vdsl-near-end-interleaved-rx-cells
  </vdsl-near-end-interleaved-rx-cells>
  <vdsl-near-end-fast-rx-cells>
    vdsl-near-end-fast-rx-cells
  </vdsl-near-end-fast-rx-cells>
  <vdsl-near-end-interleaved-tx-cells>
    vdsl-near-end-interleaved-tx-cells
  </vdsl-near-end-interleaved-tx-cells>
```

```
<vdsl-near-end-fast-tx-cells>
  vdsl-near-end-fast-tx-cells
</vdsl-near-end-fast-tx-cells>
</vdsl-statistics>
</vdsl-information>
</physical-interface>
</interface-information>
```

## Description

### <vdsl-statistics>

#### Usage

```
<interface-filter-information>
<physical-interface>
  <vdsl-information>
    <vdsl-statistics>
      <vdsl-near-end-attainable-bitrate>
        vdsl-near-end-attainable-bitrate
      </vdsl-near-end-attainable-bitrate>
      <vdsl-far-end-attainable-bitrate>
        vdsl-far-end-attainable-bitrate
      </vdsl-far-end-attainable-bitrate>
      <vdsl-near-end-attenuation>
        vdsl-near-end-attenuation
      </vdsl-near-end-attenuation>
      <vdsl-far-end-attenuation>
        vdsl-far-end-attenuation
      </vdsl-far-end-attenuation>
      <vdsl-near-end-capacity-used>
        vdsl-near-end-capacity-used
      </vdsl-near-end-capacity-used>
      <vdsl-far-end-capacity-used>
        vdsl-far-end-capacity-used
      </vdsl-far-end-capacity-used>
      <vdsl-near-end-noise-margin>
        vdsl-near-end-noise-margin
      </vdsl-near-end-noise-margin>
      <vdsl-far-end-noise-margin>
        vdsl-far-end-noise-margin
      </vdsl-far-end-noise-margin>
      <vdsl-near-end-output-power>
        vdsl-near-end-output-power
      </vdsl-near-end-output-power>
      <vdsl-far-end-output-power>
        vdsl-far-end-output-power
      </vdsl-far-end-output-power>
      <vdsl-near-end-interleaved-bitrate>
        vdsl-near-end-interleaved-bitrate
      </vdsl-near-end-interleaved-bitrate>
      <vdsl-near-end-fast-bitrate>
        vdsl-near-end-fast-bitrate
      </vdsl-near-end-fast-bitrate>
      <vdsl-far-end-interleaved-bitrate>
        vdsl-far-end-interleaved-bitrate
```

```
</vdsl-far-end-interleaved-bitrate>
<vdsl-far-end-fast-bitrate>
  vdsl-far-end-fast-bitrate
</vdsl-far-end-fast-bitrate>
<vdsl-near-end-interleaved-crc>
  vdsl-near-end-interleaved-crc
</vdsl-near-end-interleaved-crc>
<vdsl-near-end-fast-crc>
  vdsl-near-end-fast-crc
</vdsl-near-end-fast-crc>
<vdsl-far-end-interleaved-crc>
  vdsl-far-end-interleaved-crc
</vdsl-far-end-interleaved-crc>
<vdsl-far-end-fast-crc>
  vdsl-far-end-fast-crc
</vdsl-far-end-fast-crc>
<vdsl-near-end-interleaved-hec>
  vdsl-near-end-interleaved-hec
</vdsl-near-end-interleaved-hec>
<vdsl-near-end-fast-hec>
  vdsl-near-end-fast-hec
</vdsl-near-end-fast-hec>
<vdsl-far-end-interleaved-hec>
  vdsl-far-end-interleaved-hec
</vdsl-far-end-interleaved-hec>
<vdsl-far-end-fast-hec>
  vdsl-far-end-fast-hec
</vdsl-far-end-fast-hec>
<vdsl-near-end-interleaved-fec>
  vdsl-near-end-interleaved-fec
</vdsl-near-end-interleaved-fec>
<vdsl-near-end-fast-fec>
  vdsl-near-end-fast-fec
</vdsl-near-end-fast-fec>
<vdsl-far-end-interleaved-fec>
  vdsl-far-end-interleaved-fec
</vdsl-far-end-interleaved-fec>
<vdsl-far-end-fast-fec>
  vdsl-far-end-fast-fec
</vdsl-far-end-fast-fec>
<vdsl-near-end-interleaved-rx-cells>
  vdsl-near-end-interleaved-rx-cells
</vdsl-near-end-interleaved-rx-cells>
<vdsl-near-end-fast-rx-cells>
  vdsl-near-end-fast-rx-cells
</vdsl-near-end-fast-rx-cells>
<vdsl-near-end-interleaved-tx-cells>
  vdsl-near-end-interleaved-tx-cells
</vdsl-near-end-interleaved-tx-cells>
<vdsl-near-end-fast-tx-cells>
  vdsl-near-end-fast-tx-cells
</vdsl-near-end-fast-tx-cells>
</vdsl-statistics>
</vdsl-information>
</physical-interface>
```

</interface-filter-information>

## Description

### <vdsl-statistics>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <vdsl-information>
      <vdsl-statistics>
        <vdsl-near-end-attainable-bitrate>
          vdsl-near-end-attainable-bitrate
        </vdsl-near-end-attainable-bitrate>
        <vdsl-far-end-attainable-bitrate>
          vdsl-far-end-attainable-bitrate
        </vdsl-far-end-attainable-bitrate>
        <vdsl-near-end-attenuation>
          vdsl-near-end-attenuation
        </vdsl-near-end-attenuation>
        <vdsl-far-end-attenuation>
          vdsl-far-end-attenuation
        </vdsl-far-end-attenuation>
        <vdsl-near-end-capacity-used>
          vdsl-near-end-capacity-used
        </vdsl-near-end-capacity-used>
        <vdsl-far-end-capacity-used>
          vdsl-far-end-capacity-used
        </vdsl-far-end-capacity-used>
        <vdsl-near-end-noise-margin>
          vdsl-near-end-noise-margin
        </vdsl-near-end-noise-margin>
        <vdsl-far-end-noise-margin>
          vdsl-far-end-noise-margin
        </vdsl-far-end-noise-margin>
        <vdsl-near-end-output-power>
          vdsl-near-end-output-power
        </vdsl-near-end-output-power>
        <vdsl-far-end-output-power>
          vdsl-far-end-output-power
        </vdsl-far-end-output-power>
        <vdsl-near-end-interleaved-bitrate>
          vdsl-near-end-interleaved-bitrate
        </vdsl-near-end-interleaved-bitrate>
        <vdsl-near-end-fast-bitrate>
          vdsl-near-end-fast-bitrate
        </vdsl-near-end-fast-bitrate>
        <vdsl-far-end-interleaved-bitrate>
          vdsl-far-end-interleaved-bitrate
        </vdsl-far-end-interleaved-bitrate>
        <vdsl-far-end-fast-bitrate>
          vdsl-far-end-fast-bitrate
        </vdsl-far-end-fast-bitrate>
        <vdsl-near-end-interleaved-crc>
          vdsl-near-end-interleaved-crc
```



```

</vdsl-near-end-interleaved-crc>
<vdsl-near-end-fast-crc>
  vdsl-near-end-fast-crc
</vdsl-near-end-fast-crc>
<vdsl-far-end-interleaved-crc>
  vdsl-far-end-interleaved-crc
</vdsl-far-end-interleaved-crc>
<vdsl-far-end-fast-crc>
  vdsl-far-end-fast-crc
</vdsl-far-end-fast-crc>
<vdsl-near-end-interleaved-hec>
  vdsl-near-end-interleaved-hec
</vdsl-near-end-interleaved-hec>
<vdsl-near-end-fast-hec>
  vdsl-near-end-fast-hec
</vdsl-near-end-fast-hec>
<vdsl-far-end-interleaved-hec>
  vdsl-far-end-interleaved-hec
</vdsl-far-end-interleaved-hec>
<vdsl-far-end-fast-hec>
  vdsl-far-end-fast-hec
</vdsl-far-end-fast-hec>
<vdsl-near-end-interleaved-fec>
  vdsl-near-end-interleaved-fec
</vdsl-near-end-interleaved-fec>
<vdsl-near-end-fast-fec>
  vdsl-near-end-fast-fec
</vdsl-near-end-fast-fec>
<vdsl-far-end-interleaved-fec>
  vdsl-far-end-interleaved-fec
</vdsl-far-end-interleaved-fec>
<vdsl-far-end-fast-fec>
  vdsl-far-end-fast-fec
</vdsl-far-end-fast-fec>
<vdsl-near-end-interleaved-rx-cells>
  vdsl-near-end-interleaved-rx-cells
</vdsl-near-end-interleaved-rx-cells>
<vdsl-near-end-fast-rx-cells>
  vdsl-near-end-fast-rx-cells
</vdsl-near-end-fast-rx-cells>
<vdsl-near-end-interleaved-tx-cells>
  vdsl-near-end-interleaved-tx-cells
</vdsl-near-end-interleaved-tx-cells>
<vdsl-near-end-fast-tx-cells>
  vdsl-near-end-fast-tx-cells
</vdsl-near-end-fast-tx-cells>
</vdsl-statistics>
</vdsl-information>
</physical-interface>
</interface-policer-information>

```

## Description

## <virtual-circuit-information>

### Usage

```
<virtual-circuit-information>
  <dlci-statistics>....</dlci-statistics>
  <vpi>
    vpi
  </vpi>
  <vci>
    vci
  </vci>
  <vci-range>....</vci-range>
  <trunk>
    trunk
  </trunk>
  <trunk-bandwidth>
    trunk-bandwidth
  </trunk-bandwidth>
  <dlci>
    dlci
  </dlci>
  <ifvc-flags>....</ifvc-flags>
  <ifvc-multipoint-destination>....</ifvc-multipoint-destination>
  <atm-tm-cbr>
    atm-tm-cbr
  </atm-tm-cbr>
  <atm-tm-vbr>
    atm-tm-vbr
  </atm-tm-vbr>
  <atm-tm-rtvbr>
    atm-tm-rtvbr
  </atm-tm-rtvbr>
  <peak>
    peak
  </peak>
  <sustained>
    sustained
  </sustained>
  <burst>
    burst
  </burst>
  <cdvt>
    cdvt
  </cdvt>
  <queue-limit>
    queue-limit
  </queue-limit>
  <down-time>
    down-time
  </down-time>
  <last-down-time>
    last-down-time
  </last-down-time>
  <ifvc-epd>
    ifvc-epd
```

```

</ifvc-epd>
<ifvc-epd-plp0>
  ifvc-epd-plp0
</ifvc-epd-plp0>
<ifvc-epd-plp1>
  ifvc-epd-plp1
</ifvc-epd-plp1>
<ifvc-weight>
  ifvc-weight
</ifvc-weight>
<oam-parameters>....</oam-parameters>
<oam-statistics>....</oam-statistics>
<traffic-statistics>....</traffic-statistics>
<atm-policer-statistics>....</atm-policer-statistics>
<atm-statistics>....</atm-statistics>
<atm-cos-information>....</atm-cos-information>
<in-arp-statistics>....</in-arp-statistics>
</virtual-circuit-information>

```

**Description** Operational information and statistics for a virtual circuit

## <virtual-circuit-information>

### Usage

```

<logical-interface>
  <virtual-circuit-information>
    <dlci-statistics>....</dlci-statistics>
    <vpi>
      vpi
    </vpi>
    <vci>
      vci
    </vci>
    <vci-range>....</vci-range>
    <trunk>
      trunk
    </trunk>
    <trunk-bandwidth>
      trunk-bandwidth
    </trunk-bandwidth>
    <dlci>
      dlci
    </dlci>
    <ifvc-flags>....</ifvc-flags>
    <ifvc-multipoint-destination>....</ifvc-multipoint-destination>
    <atm-tm-cbr>
      atm-tm-cbr
    </atm-tm-cbr>
    <atm-tm-vbr>
      atm-tm-vbr
    </atm-tm-vbr>
    <atm-tm-rtvbr>
      atm-tm-rtvbr
    </atm-tm-rtvbr>

```

```
<peak>
  peak
</peak>
<sustained>
  sustained
</sustained>
<burst>
  burst
</burst>
<cdvt>
  cdvt
</cdvt>
<queue-limit>
  queue-limit
</queue-limit>
<down-time>
  down-time
</down-time>
<last-down-time>
  last-down-time
</last-down-time>
<ifvc-epd>
  ifvc-epd
</ifvc-epd>
<ifvc-epd-plp0>
  ifvc-epd-plp0
</ifvc-epd-plp0>
<ifvc-epd-plp1>
  ifvc-epd-plp1
</ifvc-epd-plp1>
<ifvc-weight>
  ifvc-weight
</ifvc-weight>
<oam-parameters>....</oam-parameters>
<oam-statistics>....</oam-statistics>
<traffic-statistics>....</traffic-statistics>
<atm-policer-statistics>....</atm-policer-statistics>
<atm-statistics>....</atm-statistics>
<atm-cos-information>....</atm-cos-information>
<in-arp-statistics>....</in-arp-statistics>
</virtual-circuit-information>
</logical-interface>
```

**Description** Operational information and statistics for a virtual circuit

### <virtual-circuit-information>

#### Usage

```
<physical-interface>
<logical-interface>
  <virtual-circuit-information>
    <dlci-statistics>....</dlci-statistics>
    <vpi>
      vpi
```

```
</vpi>
<vci>
  vci
</vci>
<vci-range>....</vci-range>
<trunk>
  trunk
</trunk>
<trunk-bandwidth>
  trunk-bandwidth
</trunk-bandwidth>
<dlci>
  dlci
</dlci>
<ifvc-flags>....</ifvc-flags>
<ifvc-multipoint-destination>....</ifvc-multipoint-destination>
<atm-tm-cbr>
  atm-tm-cbr
</atm-tm-cbr>
<atm-tm-vbr>
  atm-tm-vbr
</atm-tm-vbr>
<atm-tm-rtvbr>
  atm-tm-rtvbr
</atm-tm-rtvbr>
<peak>
  peak
</peak>
<sustained>
  sustained
</sustained>
<burst>
  burst
</burst>
<cdvt>
  cdvt
</cdvt>
<queue-limit>
  queue-limit
</queue-limit>
<down-time>
  down-time
</down-time>
<last-down-time>
  last-down-time
</last-down-time>
<ifvc-epd>
  ifvc-epd
</ifvc-epd>
<ifvc-epd-plp0>
  ifvc-epd-plp0
</ifvc-epd-plp0>
<ifvc-epd-plp1>
  ifvc-epd-plp1
</ifvc-epd-plp1>
<ifvc-weight>
```

```
    ifvc-weight
  </ifvc-weight>
  <oam-parameters>....</oam-parameters>
  <oam-statistics>....</oam-statistics>
  <traffic-statistics>....</traffic-statistics>
  <atm-policer-statistics>....</atm-policer-statistics>
  <atm-statistics>....</atm-statistics>
  <atm-cos-information>....</atm-cos-information>
  <in-arp-statistics>....</in-arp-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
```

**Description** Operational information and statistics for a virtual circuit

## <virtual-circuit-information>

### Usage

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <virtual-circuit-information>
        <dlci-statistics>....</dlci-statistics>
        <vpi>
          vpi
        </vpi>
        <vci>
          vci
        </vci>
        <vci-range>....</vci-range>
        <trunk>
          trunk
        </trunk>
        <trunk-bandwidth>
          trunk-bandwidth
        </trunk-bandwidth>
        <dlci>
          dlci
        </dlci>
        <ifvc-flags>....</ifvc-flags>
        <ifvc-multipoint-destination>....</ifvc-multipoint-destination>
        <atm-tm-cbr>
          atm-tm-cbr
        </atm-tm-cbr>
        <atm-tm-vbr>
          atm-tm-vbr
        </atm-tm-vbr>
        <atm-tm-rtvbr>
          atm-tm-rtvbr
        </atm-tm-rtvbr>
        <peak>
          peak
        </peak>
        <sustained>
```

```

    sustained
  </sustained>
  <burst>
    burst
  </burst>
  <cdvt>
    cdvt
  </cdvt>
  <queue-limit>
    queue-limit
  </queue-limit>
  <down-time>
    down-time
  </down-time>
  <last-down-time>
    last-down-time
  </last-down-time>
  <ifvc-epd>
    ifvc-epd
  </ifvc-epd>
  <ifvc-epd-plp0>
    ifvc-epd-plp0
  </ifvc-epd-plp0>
  <ifvc-epd-plp1>
    ifvc-epd-plp1
  </ifvc-epd-plp1>
  <ifvc-weight>
    ifvc-weight
  </ifvc-weight>
  <oam-parameters>....</oam-parameters>
  <oam-statistics>....</oam-statistics>
  <traffic-statistics>....</traffic-statistics>
  <atm-policer-statistics>....</atm-policer-statistics>
  <atm-statistics>....</atm-statistics>
  <atm-cos-information>....</atm-cos-information>
  <in-arp-statistics>....</in-arp-statistics>
  </virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-information>

```

**Description** Operational information and statistics for a virtual circuit

## <virtual-circuit-information>

### Usage

```

<interface-information>
  <logical-interface>
    <virtual-circuit-information>
      <dlci-statistics>....</dlci-statistics>
      <vpi>
        vpi
      </vpi>
      <vci>

```

```
    vci
  </vci>
  <vci-range>....</vci-range>
  <trunk>
    trunk
  </trunk>
  <trunk-bandwidth>
    trunk-bandwidth
  </trunk-bandwidth>
  <dlci>
    dlc
  </dlci>
  <ifvc-flags>....</ifvc-flags>
  <ifvc-multipoint-destination>....</ifvc-multipoint-destination>
  <atm-tm-cbr>
    atm-tm-cbr
  </atm-tm-cbr>
  <atm-tm-vbr>
    atm-tm-vbr
  </atm-tm-vbr>
  <atm-tm-rtvbr>
    atm-tm-rtvbr
  </atm-tm-rtvbr>
  <peak>
    peak
  </peak>
  <sustained>
    sustained
  </sustained>
  <burst>
    burst
  </burst>
  <cdvt>
    cdvt
  </cdvt>
  <queue-limit>
    queue-limit
  </queue-limit>
  <down-time>
    down-time
  </down-time>
  <last-down-time>
    last-down-time
  </last-down-time>
  <ifvc-epd>
    ifvc-epd
  </ifvc-epd>
  <ifvc-epd-plp0>
    ifvc-epd-plp0
  </ifvc-epd-plp0>
  <ifvc-epd-plp1>
    ifvc-epd-plp1
  </ifvc-epd-plp1>
  <ifvc-weight>
    ifvc-weight
  </ifvc-weight>
```



```

<oam-parameters>....</oam-parameters>
<oam-statistics>....</oam-statistics>
<traffic-statistics>....</traffic-statistics>
<atm-policer-statistics>....</atm-policer-statistics>
<atm-statistics>....</atm-statistics>
<atm-cos-information>....</atm-cos-information>
<in-arp-statistics>....</in-arp-statistics>
</virtual-circuit-information>
</logical-interface>
</interface-information>

```

**Description** Operational information and statistics for a virtual circuit

### <virtual-circuit-information>

#### Usage

```

<interface-filter-information>
<physical-interface>
<logical-interface>
  <virtual-circuit-information>
    <dlci-statistics>....</dlci-statistics>
    <vpi>
      vpi
    </vpi>
    <vci>
      vci
    </vci>
    <vci-range>....</vci-range>
    <trunk>
      trunk
    </trunk>
    <trunk-bandwidth>
      trunk-bandwidth
    </trunk-bandwidth>
    <dlci>
      dlci
    </dlci>
    <ifvc-flags>....</ifvc-flags>
    <ifvc-multipoint-destination>....</ifvc-multipoint-destination>
    <atm-tm-cbr>
      atm-tm-cbr
    </atm-tm-cbr>
    <atm-tm-vbr>
      atm-tm-vbr
    </atm-tm-vbr>
    <atm-tm-rtvbr>
      atm-tm-rtvbr
    </atm-tm-rtvbr>
    <peak>
      peak
    </peak>
    <sustained>
      sustained
    </sustained>

```

```
<burst>
  burst
</burst>
<cdvt>
  cdvt
</cdvt>
<queue-limit>
  queue-limit
</queue-limit>
<down-time>
  down-time
</down-time>
<last-down-time>
  last-down-time
</last-down-time>
<ifvc-epd>
  ifvc-epd
</ifvc-epd>
<ifvc-epd-plp0>
  ifvc-epd-plp0
</ifvc-epd-plp0>
<ifvc-epd-plp1>
  ifvc-epd-plp1
</ifvc-epd-plp1>
<ifvc-weight>
  ifvc-weight
</ifvc-weight>
<oam-parameters>....</oam-parameters>
<oam-statistics>....</oam-statistics>
<traffic-statistics>....</traffic-statistics>
<atm-policer-statistics>....</atm-policer-statistics>
<atm-statistics>....</atm-statistics>
<atm-cos-information>....</atm-cos-information>
<in-arp-statistics>....</in-arp-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

**Description** Operational information and statistics for a virtual circuit

### <virtual-circuit-information>

#### Usage

```
<interface-filter-information>
<logical-interface>
  <virtual-circuit-information>
    <dlci-statistics>....</dlci-statistics>
    <vpi>
      vpi
    </vpi>
    <vci>
      vci
    </vci>
```

```
<vci-range>....</vci-range>
<trunk>
  trunk
</trunk>
<trunk-bandwidth>
  trunk-bandwidth
</trunk-bandwidth>
<dlci>
  dlci
</dlci>
<ifvc-flags>....</ifvc-flags>
<ifvc-multipoint-destination>....</ifvc-multipoint-destination>
<atm-tm-cbr>
  atm-tm-cbr
</atm-tm-cbr>
<atm-tm-vbr>
  atm-tm-vbr
</atm-tm-vbr>
<atm-tm-rtvbr>
  atm-tm-rtvbr
</atm-tm-rtvbr>
<peak>
  peak
</peak>
<sustained>
  sustained
</sustained>
<burst>
  burst
</burst>
<cdvt>
  cdvt
</cdvt>
<queue-limit>
  queue-limit
</queue-limit>
<down-time>
  down-time
</down-time>
<last-down-time>
  last-down-time
</last-down-time>
<ifvc-epd>
  ifvc-epd
</ifvc-epd>
<ifvc-epd-plp0>
  ifvc-epd-plp0
</ifvc-epd-plp0>
<ifvc-epd-plp1>
  ifvc-epd-plp1
</ifvc-epd-plp1>
<ifvc-weight>
  ifvc-weight
</ifvc-weight>
<oam-parameters>....</oam-parameters>
<oam-statistics>....</oam-statistics>
```

```
<traffic-statistics>....</traffic-statistics>
<atm-policer-statistics>....</atm-policer-statistics>
<atm-statistics>....</atm-statistics>
<atm-cos-information>....</atm-cos-information>
<in-arp-statistics>....</in-arp-statistics>
</virtual-circuit-information>
</logical-interface>
</interface-filter-information>
```

**Description** Operational information and statistics for a virtual circuit

## <virtual-circuit-information>

### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
  <virtual-circuit-information>
    <dlci-statistics>....</dlci-statistics>
    <vpi>
      vpi
    </vpi>
    <vci>
      vci
    </vci>
    <vci-range>....</vci-range>
    <trunk>
      trunk
    </trunk>
    <trunk-bandwidth>
      trunk-bandwidth
    </trunk-bandwidth>
    <dlci>
      dlci
    </dlci>
    <ifvc-flags>....</ifvc-flags>
    <ifvc-multipoint-destination>....</ifvc-multipoint-destination>
    <atm-tm-cbr>
      atm-tm-cbr
    </atm-tm-cbr>
    <atm-tm-vbr>
      atm-tm-vbr
    </atm-tm-vbr>
    <atm-tm-rtvbr>
      atm-tm-rtvbr
    </atm-tm-rtvbr>
    <peak>
      peak
    </peak>
    <sustained>
      sustained
    </sustained>
    <burst>
      burst
```

```

</burst>
<cdvt>
  cdvt
</cdvt>
<queue-limit>
  queue-limit
</queue-limit>
<down-time>
  down-time
</down-time>
<last-down-time>
  last-down-time
</last-down-time>
<ifvc-epd>
  ifvc-epd
</ifvc-epd>
<ifvc-epd-plp0>
  ifvc-epd-plp0
</ifvc-epd-plp0>
<ifvc-epd-plp1>
  ifvc-epd-plp1
</ifvc-epd-plp1>
<ifvc-weight>
  ifvc-weight
</ifvc-weight>
<oam-parameters>....</oam-parameters>
<oam-statistics>....</oam-statistics>
<traffic-statistics>....</traffic-statistics>
<atm-policer-statistics>....</atm-policer-statistics>
<atm-statistics>....</atm-statistics>
<atm-cos-information>....</atm-cos-information>
<in-arp-statistics>....</in-arp-statistics>
</virtual-circuit-information>
</logical-interface>
</physical-interface>
</interface-policer-information>

```

**Description** Operational information and statistics for a virtual circuit

### <virtual-circuit-information>

#### Usage

```

<interface-policer-information>
<logical-interface>
  <virtual-circuit-information>
    <dlci-statistics>....</dlci-statistics>
    <vpi>
      vpi
    </vpi>
    <vci>
      vci
    </vci>
    <vci-range>....</vci-range>
    <trunk>

```

```
    trunk
  </trunk>
  <trunk-bandwidth>
    trunk-bandwidth
  </trunk-bandwidth>
  <dlci>
    dlci
  </dlci>
  <ifvc-flags>....</ifvc-flags>
  <ifvc-multipoint-destination>....</ifvc-multipoint-destination>
  <atm-tm-cbr>
    atm-tm-cbr
  </atm-tm-cbr>
  <atm-tm-vbr>
    atm-tm-vbr
  </atm-tm-vbr>
  <atm-tm-rtvbr>
    atm-tm-rtvbr
  </atm-tm-rtvbr>
  <peak>
    peak
  </peak>
  <sustained>
    sustained
  </sustained>
  <burst>
    burst
  </burst>
  <cdvt>
    cdvt
  </cdvt>
  <queue-limit>
    queue-limit
  </queue-limit>
  <down-time>
    down-time
  </down-time>
  <last-down-time>
    last-down-time
  </last-down-time>
  <ifvc-epd>
    ifvc-epd
  </ifvc-epd>
  <ifvc-epd-plp0>
    ifvc-epd-plp0
  </ifvc-epd-plp0>
  <ifvc-epd-plp1>
    ifvc-epd-plp1
  </ifvc-epd-plp1>
  <ifvc-weight>
    ifvc-weight
  </ifvc-weight>
  <oam-parameters>....</oam-parameters>
  <oam-statistics>....</oam-statistics>
  <traffic-statistics>....</traffic-statistics>
  <atm-policer-statistics>....</atm-policer-statistics>
```

```

    <atm-statistics>....</atm-statistics>
    <atm-cos-information>....</atm-cos-information>
    <in-arp-statistics>....</in-arp-statistics>
  </virtual-circuit-information>
</logical-interface>
</interface-policer-information>

```

**Description** Operational information and statistics for a virtual circuit

## <virtual-path-information>

### Usage

```

<virtual-path-information>
  <vpi>
    vpi
  </vpi>
  <ifvp-flags>....</ifvp-flags>
  <atm-tm-cbr>
    atm-tm-cbr
  </atm-tm-cbr>
  <atm-tm-vbr>
    atm-tm-vbr
  </atm-tm-vbr>
  <atm-tm-rtvbr>
    atm-tm-rtvbr
  </atm-tm-rtvbr>
  <peak>
    peak
  </peak>
  <sustained>
    sustained
  </sustained>
  <burst>
    burst
  </burst>
  <cdvt>
    cdvt
  </cdvt>
  <queue-limit>
    queue-limit
  </queue-limit>
  <down-time>
    down-time
  </down-time>
  <last-down-time>
    last-down-time
  </last-down-time>
  <oam-parameters>....</oam-parameters>
  <oam-statistics>....</oam-statistics>
  <traffic-statistics>....</traffic-statistics>
</virtual-path-information>

```

**Description** Operational information and statistics for a virtual path

## <virtual-path-information>

### Usage

```
<physical-interface>
  <virtual-path-information>
    <vpi>
      vpi
    </vpi>
    <ifvp-flags>....</ifvp-flags>
    <atm-tm-cbr>
      atm-tm-cbr
    </atm-tm-cbr>
    <atm-tm-vbr>
      atm-tm-vbr
    </atm-tm-vbr>
    <atm-tm-rtvbr>
      atm-tm-rtvbr
    </atm-tm-rtvbr>
    <peak>
      peak
    </peak>
    <sustained>
      sustained
    </sustained>
    <burst>
      burst
    </burst>
    <cdvt>
      cdvt
    </cdvt>
    <queue-limit>
      queue-limit
    </queue-limit>
    <down-time>
      down-time
    </down-time>
    <last-down-time>
      last-down-time
    </last-down-time>
    <oam-parameters>....</oam-parameters>
    <oam-statistics>....</oam-statistics>
    <traffic-statistics>....</traffic-statistics>
  </virtual-path-information>
</physical-interface>
```

**Description** Operational information and statistics for a virtual path

## <virtual-path-information>

### Usage

```
<interface-information>
  <physical-interface>
    <virtual-path-information>
```



```

<vpi>
  vpi
</vpi>
<ifvp-flags>....</ifvp-flags>
<atm-tm-cbr>
  atm-tm-cbr
</atm-tm-cbr>
<atm-tm-vbr>
  atm-tm-vbr
</atm-tm-vbr>
<atm-tm-rtvbr>
  atm-tm-rtvbr
</atm-tm-rtvbr>
<peak>
  peak
</peak>
<sustained>
  sustained
</sustained>
<burst>
  burst
</burst>
<cdvt>
  cdvt
</cdvt>
<queue-limit>
  queue-limit
</queue-limit>
<down-time>
  down-time
</down-time>
<last-down-time>
  last-down-time
</last-down-time>
<oam-parameters>....</oam-parameters>
<oam-statistics>....</oam-statistics>
<traffic-statistics>....</traffic-statistics>
</virtual-path-information>
</physical-interface>
</interface-information>

```

**Description** Operational information and statistics for a virtual path

### <virtual-path-information>

#### Usage

```

<interface-filter-information>
<physical-interface>
  <virtual-path-information>
    <vpi>
      vpi
    </vpi>
    <ifvp-flags>....</ifvp-flags>
    <atm-tm-cbr>

```

```
    atm-tm-cbr
  </atm-tm-cbr>
  <atm-tm-vbr>
    atm-tm-vbr
  </atm-tm-vbr>
  <atm-tm-rtvbr>
    atm-tm-rtvbr
  </atm-tm-rtvbr>
  <peak>
    peak
  </peak>
  <sustained>
    sustained
  </sustained>
  <burst>
    burst
  </burst>
  <cdvt>
    cdvt
  </cdvt>
  <queue-limit>
    queue-limit
  </queue-limit>
  <down-time>
    down-time
  </down-time>
  <last-down-time>
    last-down-time
  </last-down-time>
  <oam-parameters>....</oam-parameters>
  <oam-statistics>....</oam-statistics>
  <traffic-statistics>....</traffic-statistics>
</virtual-path-information>
</physical-interface>
</interface-filter-information>
```

**Description** Operational information and statistics for a virtual path

### <virtual-path-information>

#### Usage

```
<interface-policer-information>
<physical-interface>
  <virtual-path-information>
    <vpi>
      vpi
    </vpi>
    <ifvp-flags>....</ifvp-flags>
    <atm-tm-cbr>
      atm-tm-cbr
    </atm-tm-cbr>
    <atm-tm-vbr>
      atm-tm-vbr
    </atm-tm-vbr>
```

```

<atm-tm-rtvbr>
  atm-tm-rtvbr
</atm-tm-rtvbr>
<peak>
  peak
</peak>
<sustained>
  sustained
</sustained>
<burst>
  burst
</burst>
<cdvt>
  cdvt
</cdvt>
<queue-limit>
  queue-limit
</queue-limit>
<down-time>
  down-time
</down-time>
<last-down-time>
  last-down-time
</last-down-time>
<oam-parameters>....</oam-parameters>
<oam-statistics>....</oam-statistics>
<traffic-statistics>....</traffic-statistics>
</virtual-path-information>
</physical-interface>
</interface-policer-information>

```

**Description** Operational information and statistics for a virtual path

## <watch-list>

### Usage

```

<watch-list>
  <watch-route>
    watch-route
  </watch-route>
</watch-list>

```

### Description

## <watch-list>

### Usage

```

<dialer-interface>
  <watch-list>
    <watch-route>
      watch-route
    </watch-route>
  </watch-list>

```

</dialer-interface>

#### Description

<watch-list>

#### Usage

```
<dialer-interface-information>
  <dialer-interface>
    <watch-list>
      <watch-route>
        watch-route
      </watch-route>
    </watch-list>
  </dialer-interface>
</dialer-interface-information>
```

#### Description

<watch-list>

#### Usage

```
<logical-interface>
  <dialer-information>
    <dialer-interface>
      <watch-list>
        <watch-route>
          watch-route
        </watch-route>
      </watch-list>
    </dialer-interface>
  </dialer-information>
</logical-interface>
```

#### Description

<watch-list>

#### Usage

```
<physical-interface>
  <logical-interface>
    <dialer-information>
      <dialer-interface>
        <watch-list>
          <watch-route>
            watch-route
          </watch-route>
        </watch-list>
      </dialer-interface>
    </dialer-information>
  </logical-interface>
</physical-interface>
```

**Description****<watch-list>****Usage**

```
<interface-information>
  <physical-interface>
    <logical-interface>
      <dialer-information>
        <dialer-interface>
          <watch-list>
            <watch-route>
              watch-route
            </watch-route>
          </watch-list>
        </dialer-interface>
      </dialer-information>
    </logical-interface>
  </physical-interface>
</interface-information>
```

**Description****<watch-list>****Usage**

```
<interface-information>
  <logical-interface>
    <dialer-information>
      <dialer-interface>
        <watch-list>
          <watch-route>
            watch-route
          </watch-route>
        </watch-list>
      </dialer-interface>
    </dialer-information>
  </logical-interface>
</interface-information>
```

**Description****<watch-list>****Usage**

```
<interface-filter-information>
  <physical-interface>
    <logical-interface>
      <dialer-information>
        <dialer-interface>
          <watch-list>
            <watch-route>
              watch-route
            </watch-route>
          </watch-list>
        </dialer-interface>
      </dialer-information>
    </logical-interface>
  </physical-interface>
</interface-filter-information>
```

```
</watch-list>
</dialer-interface>
</dialer-information>
</logical-interface>
</physical-interface>
</interface-filter-information>
```

#### Description

#### <watch-list>

##### Usage

```
<interface-filter-information>
<logical-interface>
<dialer-information>
<dialer-interface>
<watch-list>
<watch-route>
  watch-route
</watch-route>
</watch-list>
</dialer-interface>
</dialer-information>
</logical-interface>
</interface-filter-information>
```

#### Description

#### <watch-list>

##### Usage

```
<interface-policer-information>
<physical-interface>
<logical-interface>
<dialer-information>
<dialer-interface>
<watch-list>
<watch-route>
  watch-route
</watch-route>
</watch-list>
</dialer-interface>
</dialer-information>
</logical-interface>
</physical-interface>
</interface-policer-information>
```

#### Description

#### <watch-list>

##### Usage

```
<interface-policer-information>
```

```

<logical-interface>
  <dialer-information>
    <dialer-interface>
      <watch-list>
        <watch-route>
          watch-route
        </watch-route>
      </watch-list>
    </dialer-interface>
  </dialer-information>
</logical-interface>
</interface-policer-information>

```

**Description****<x21-control-signal>****Usage**

```

<serial-information>
  <x21-control-signal>
    <rts>
      rts
    </rts>
    <cts>
      cts
    </cts>
  </x21-control-signal>
</serial-information>

```

**Description****<x21-control-signal>****Usage**

```

<physical-interface>
  <serial-information>
    <x21-control-signal>
      <rts>
        rts
      </rts>
      <cts>
        cts
      </cts>
    </x21-control-signal>
  </serial-information>
</physical-interface>

```

**Description****<x21-control-signal>****Usage**

```

<interface-information>

```

```
<physical-interface>
  <serial-information>
    <x21-control-signal>
      <rts>
        rts
      </rts>
      <cts>
        cts
      </cts>
    </x21-control-signal>
  </serial-information>
</physical-interface>
</interface-information>
```

#### Description

### <x21-control-signal>

#### Usage

```
<interface-filter-information>
  <physical-interface>
    <serial-information>
      <x21-control-signal>
        <rts>
          rts
        </rts>
        <cts>
          cts
        </cts>
      </x21-control-signal>
    </serial-information>
  </physical-interface>
</interface-filter-information>
```

#### Description

### <x21-control-signal>

#### Usage

```
<interface-policer-information>
  <physical-interface>
    <serial-information>
      <x21-control-signal>
        <rts>
          rts
        </rts>
        <cts>
          cts
        </cts>
      </x21-control-signal>
    </serial-information>
  </physical-interface>
</interface-policer-information>
```



**Description****<x21-signal-polarity>****Usage**

```
<serial-information>
  <x21-signal-polarity>
    <rts-polarity>
      rts-polarity
    </rts-polarity>
    <cts-polarity>
      cts-polarity
    </cts-polarity>
  </x21-signal-polarity>
</serial-information>
```

**Description****<x21-signal-polarity>****Usage**

```
<physical-interface>
  <serial-information>
    <x21-signal-polarity>
      <rts-polarity>
        rts-polarity
      </rts-polarity>
      <cts-polarity>
        cts-polarity
      </cts-polarity>
    </x21-signal-polarity>
  </serial-information>
</physical-interface>
```

**Description****<x21-signal-polarity>****Usage**

```
<interface-information>
  <physical-interface>
    <serial-information>
      <x21-signal-polarity>
        <rts-polarity>
          rts-polarity
        </rts-polarity>
        <cts-polarity>
          cts-polarity
        </cts-polarity>
      </x21-signal-polarity>
    </serial-information>
  </physical-interface>
</interface-information>
```

**Description****<x21-signal-polarity>****Usage**

```
<interface-filter-information>
  <physical-interface>
    <serial-information>
      <x21-signal-polarity>
        <rts-polarity>
          rts-polarity
        </rts-polarity>
        <cts-polarity>
          cts-polarity
        </cts-polarity>
      </x21-signal-polarity>
    </serial-information>
  </physical-interface>
</interface-filter-information>
```

**Description****<x21-signal-polarity>****Usage**

```
<interface-policer-information>
  <physical-interface>
    <serial-information>
      <x21-signal-polarity>
        <rts-polarity>
          rts-polarity
        </rts-polarity>
        <cts-polarity>
          cts-polarity
        </cts-polarity>
      </x21-signal-polarity>
    </serial-information>
  </physical-interface>
</interface-policer-information>
```

**Description****Summary of IPv6 Neighbor Discovery Response Tags**

---

**<ipv6-modify-nd>****Usage**

```
<ipv6-modify-nd>
  <ipv6-modify-nd-entry>....</ipv6-modify-nd-entry>
</ipv6-modify-nd>
```

**Description**

## <ipv6-modify-nd-entry>

### Usage

```
<ipv6-modify-nd-entry>
  <ipv6-nd-neighbor-address>
    ipv6-nd-neighbor-address
  </ipv6-nd-neighbor-address>
  <ipv6-nd-neighbor-l2-address>
    ipv6-nd-neighbor-l2-address
  </ipv6-nd-neighbor-l2-address>
  <ipv6-nd-change>
    ipv6-nd-change
  </ipv6-nd-change>
</ipv6-modify-nd-entry>
```

### Description

## <ipv6-modify-nd-entry>

### Usage

```
<ipv6-modify-nd>
  <ipv6-modify-nd-entry>
    <ipv6-nd-neighbor-address>
      ipv6-nd-neighbor-address
    </ipv6-nd-neighbor-address>
    <ipv6-nd-neighbor-l2-address>
      ipv6-nd-neighbor-l2-address
    </ipv6-nd-neighbor-l2-address>
    <ipv6-nd-change>
      ipv6-nd-change
    </ipv6-nd-change>
  </ipv6-modify-nd-entry>
</ipv6-modify-nd>
```

### Description

## <ipv6-nd-entry>

### Usage

```
<ipv6-nd-entry>
  <ipv6-nd-neighbor-address>
    ipv6-nd-neighbor-address
  </ipv6-nd-neighbor-address>
  <ipv6-nd-neighbor-l2-address>
    ipv6-nd-neighbor-l2-address
  </ipv6-nd-neighbor-l2-address>
  <ipv6-nd-total>
    ipv6-nd-total
  </ipv6-nd-total>
  <ipv6-nd-state>
    ipv6-nd-state
  </ipv6-nd-state>
  <ipv6-nd-expire>
```

```
    ipv6-nd-expire
  </ipv6-nd-expire>
  <ipv6-nd-isrouter>
    ipv6-nd-isrouter
  </ipv6-nd-isrouter>
  <ipv6-nd-issecure>
    ipv6-nd-issecure
  </ipv6-nd-issecure>
  <ipv6-nd-interface-name>
    ipv6-nd-interface-name
  </ipv6-nd-interface-name>
</ipv6-nd-entry>
```

#### Description

### <ipv6-nd-entry>

#### Usage

```
<ipv6-nd-information>
  <ipv6-nd-entry>
    <ipv6-nd-neighbor-address>
      ipv6-nd-neighbor-address
    </ipv6-nd-neighbor-address>
    <ipv6-nd-neighbor-l2-address>
      ipv6-nd-neighbor-l2-address
    </ipv6-nd-neighbor-l2-address>
    <ipv6-nd-total>
      ipv6-nd-total
    </ipv6-nd-total>
    <ipv6-nd-state>
      ipv6-nd-state
    </ipv6-nd-state>
    <ipv6-nd-expire>
      ipv6-nd-expire
    </ipv6-nd-expire>
    <ipv6-nd-isrouter>
      ipv6-nd-isrouter
    </ipv6-nd-isrouter>
    <ipv6-nd-issecure>
      ipv6-nd-issecure
    </ipv6-nd-issecure>
    <ipv6-nd-interface-name>
      ipv6-nd-interface-name
    </ipv6-nd-interface-name>
  </ipv6-nd-entry>
</ipv6-nd-information>
```

#### Description

### <ipv6-nd-information>

#### Usage

```
<ipv6-nd-information>
  <ipv6-nd-entry>....</ipv6-nd-entry>
```

```
</ipv6-nd-information>
```

## Description

### Summary of DDOS Response Tags

---

#### <ddos-instance-config>

##### Usage

```
<ddos-instance-config>
  <policer-bandwidth>
    policer-bandwidth
  </policer-bandwidth>
  <policer-bandwidth-scale>
    policer-bandwidth-scale
  </policer-bandwidth-scale>
  <policer-burst>
    policer-burst
  </policer-burst>
  <policer-burst-scale>
    policer-burst-scale
  </policer-burst-scale>
  <policer-enable>
    policer-enable
  </policer-enable>
  <policer-bypass-aggregate>
    policer-bypass-aggregate
  </policer-bypass-aggregate>
</ddos-instance-config>
```

## Description

#### <ddos-instance-config>

##### Usage

```
<ddos-protocol-instance-info>
  <ddos-instance-config>
    <policer-bandwidth>
      policer-bandwidth
    </policer-bandwidth>
    <policer-bandwidth-scale>
      policer-bandwidth-scale
    </policer-bandwidth-scale>
    <policer-burst>
      policer-burst
    </policer-burst>
    <policer-burst-scale>
      policer-burst-scale
    </policer-burst-scale>
    <policer-enable>
      policer-enable
    </policer-enable>
    <policer-bypass-aggregate>
      policer-bypass-aggregate
```

```
</policer-bypass-aggregate>
</ddos-instance-config>
</ddos-protocol-instance-info>
```

#### Description

### <ddos-instance-config>

#### Usage

```
<ddos-protocol>
<ddos-protocol-instance-info>
  <ddos-instance-config>
    <policer-bandwidth>
      policer-bandwidth
    </policer-bandwidth>
    <policer-bandwidth-scale>
      policer-bandwidth-scale
    </policer-bandwidth-scale>
    <policer-burst>
      policer-burst
    </policer-burst>
    <policer-burst-scale>
      policer-burst-scale
    </policer-burst-scale>
    <policer-enable>
      policer-enable
    </policer-enable>
    <policer-bypass-aggregate>
      policer-bypass-aggregate
    </policer-bypass-aggregate>
  </ddos-instance-config>
</ddos-protocol-instance-info>
</ddos-protocol>
```

#### Description

### <ddos-instance-config>

#### Usage

```
<ddos-protocol-group>
<ddos-protocol>
  <ddos-protocol-instance-info>
    <ddos-instance-config>
      <policer-bandwidth>
        policer-bandwidth
      </policer-bandwidth>
      <policer-bandwidth-scale>
        policer-bandwidth-scale
      </policer-bandwidth-scale>
      <policer-burst>
        policer-burst
      </policer-burst>
      <policer-burst-scale>
        policer-burst-scale
      </policer-burst-scale>
```

```

    </policer-burst-scale>
    <policer-enable>
      policer-enable
    </policer-enable>
    <policer-bypass-aggregate>
      policer-bypass-aggregate
    </policer-bypass-aggregate>
  </ddos-instance-config>
</ddos-protocol-instance-info>
</ddos-protocol>
</ddos-protocol-group>

```

## Description

### <ddos-instance-stats>

#### Usage

```

<ddos-instance-stats>
  <packet-received>
    packet-received
  </packet-received>
  <packet-dropped>
    packet-dropped
  </packet-dropped>
  <packet-dropped-protocol>
    packet-dropped-protocol
  </packet-dropped-protocol>
  <packet-dropped-aggr>
    packet-dropped-aggr
  </packet-dropped-aggr>
  <packet-dropped-others>
    packet-dropped-others
  </packet-dropped-others>
  <packet-arrival-rate>
    packet-arrival-rate
  </packet-arrival-rate>
  <packet-arrival-rate-max>
    packet-arrival-rate-max
  </packet-arrival-rate-max>
  <policer-violation-start-time>
    policer-violation-start-time
  </policer-violation-start-time>
  <policer-violation-last-time>
    policer-violation-last-time
  </policer-violation-last-time>
  <policer-violation-duration>
    policer-violation-duration
  </policer-violation-duration>
  <policer-violation-count>
    policer-violation-count
  </policer-violation-count>
</ddos-instance-stats>

```

## Description

## <ddos-instance-stats>

### Usage

```
<ddos-protocol-instance-info>
  <ddos-instance-stats>
    <packet-received>
      packet-received
    </packet-received>
    <packet-dropped>
      packet-dropped
    </packet-dropped>
    <packet-dropped-protocol>
      packet-dropped-protocol
    </packet-dropped-protocol>
    <packet-dropped-aggr>
      packet-dropped-aggr
    </packet-dropped-aggr>
    <packet-dropped-others>
      packet-dropped-others
    </packet-dropped-others>
    <packet-arrival-rate>
      packet-arrival-rate
    </packet-arrival-rate>
    <packet-arrival-rate-max>
      packet-arrival-rate-max
    </packet-arrival-rate-max>
    <policer-violation-start-time>
      policer-violation-start-time
    </policer-violation-start-time>
    <policer-violation-last-time>
      policer-violation-last-time
    </policer-violation-last-time>
    <policer-violation-duration>
      policer-violation-duration
    </policer-violation-duration>
    <policer-violation-count>
      policer-violation-count
    </policer-violation-count>
  </ddos-instance-stats>
</ddos-protocol-instance-info>
```

### Description

## <ddos-instance-stats>

### Usage

```
<ddos-protocol>
  <ddos-protocol-instance-info>
    <ddos-instance-stats>
      <packet-received>
        packet-received
      </packet-received>
      <packet-dropped>
        packet-dropped
```



```

</packet-dropped>
<packet-dropped-protocol>
  packet-dropped-protocol
</packet-dropped-protocol>
<packet-dropped-aggr>
  packet-dropped-aggr
</packet-dropped-aggr>
<packet-dropped-others>
  packet-dropped-others
</packet-dropped-others>
<packet-arrival-rate>
  packet-arrival-rate
</packet-arrival-rate>
<packet-arrival-rate-max>
  packet-arrival-rate-max
</packet-arrival-rate-max>
<policer-violation-start-time>
  policer-violation-start-time
</policer-violation-start-time>
<policer-violation-last-time>
  policer-violation-last-time
</policer-violation-last-time>
<policer-violation-duration>
  policer-violation-duration
</policer-violation-duration>
<policer-violation-count>
  policer-violation-count
</policer-violation-count>
</ddos-instance-stats>
</ddos-protocol-instance-info>
</ddos-protocol>

```

## Description

### <ddos-instance-stats>

#### Usage

```

<ddos-protocol-group>
<ddos-protocol>
  <ddos-protocol-instance-info>
    <ddos-instance-stats>
      <packet-received>
        packet-received
      </packet-received>
      <packet-dropped>
        packet-dropped
      </packet-dropped>
      <packet-dropped-protocol>
        packet-dropped-protocol
      </packet-dropped-protocol>
      <packet-dropped-aggr>
        packet-dropped-aggr
      </packet-dropped-aggr>
      <packet-dropped-others>
        packet-dropped-others
    
```

```
</packet-dropped-others>
<packet-arrival-rate>
  packet-arrival-rate
</packet-arrival-rate>
<packet-arrival-rate-max>
  packet-arrival-rate-max
</packet-arrival-rate-max>
<policer-violation-start-time>
  policer-violation-start-time
</policer-violation-start-time>
<policer-violation-last-time>
  policer-violation-last-time
</policer-violation-last-time>
<policer-violation-duration>
  policer-violation-duration
</policer-violation-duration>
<policer-violation-count>
  policer-violation-count
</policer-violation-count>
</ddos-instance-stats>
</ddos-protocol-instance-info>
</ddos-protocol>
</ddos-protocol-group>
```

## Description

### <ddos-parameters-brief>

#### Usage

```
<ddos-parameters-brief>
  <group-name>
    group-name
  </group-name>
  <protocol-name>
    protocol-name
  </protocol-name>
  <policer-bandwidth>
    policer-bandwidth
  </policer-bandwidth>
  <policer-burst>
    policer-burst
  </policer-burst>
  <policer-priority>
    policer-priority
  </policer-priority>
  <policer-bypass-aggregate>
    policer-bypass-aggregate
  </policer-bypass-aggregate>
  <policer-time-recover>
    policer-time-recover
  </policer-time-recover>
  <policer-enable>
    policer-enable
  </policer-enable>
  <policer-fpc-scaled>
```

```

    policer-fpc-scaled
  </policer-fpc-scaled>
</ddos-parameters-brief>

```

#### Description

### <ddos-policer-parameter-scale>

#### Usage

```

<ddos-policer-parameter-scale>
  <policer-slot-name>
    policer-slot-name
  </policer-slot-name>
  <policer-bandwidth-scale>
    policer-bandwidth-scale
  </policer-bandwidth-scale>
  <policer-burst-scale>
    policer-burst-scale
  </policer-burst-scale>
</ddos-policer-parameter-scale>

```

#### Description

### <ddos-protocol>

#### Usage

```

<ddos-protocol>
  <protocol-name>
    protocol-name
  </protocol-name>
  <protocol-description>
    protocol-description
  </protocol-description>
  <ddos-protocol-basic-config>....</ddos-protocol-basic-config>
  <ddos-system-stats>....</ddos-system-stats>
  <ddos-protocol-instance-info>....</ddos-protocol-instance-info>
</ddos-protocol>

```

#### Description

### <ddos-protocol>

#### Usage

```

<ddos-protocol-group>
  <ddos-protocol>
    <protocol-name>
      protocol-name
    </protocol-name>
    <protocol-description>
      protocol-description
    </protocol-description>
    <ddos-protocol-basic-config>....</ddos-protocol-basic-config>
    <ddos-system-stats>....</ddos-system-stats>
  </ddos-protocol>
</ddos-protocol-group>

```

```
<ddos-protocol-instance-info>....</ddos-protocol-instance-info>
</ddos-protocol>
</ddos-protocol-group>
```

#### Description

### <ddos-protocol-basic-config>

#### Usage

```
<ddos-protocol-basic-config>
  <policer-bandwidth>
    policer-bandwidth
  </policer-bandwidth>
  <policer-burst>
    policer-burst
  </policer-burst>
  <policer-priority>
    policer-priority
  </policer-priority>
  <policer-time-recover>
    policer-time-recover
  </policer-time-recover>
  <policer-enable>
    policer-enable
  </policer-enable>
  <policer-bypass-aggregate>
    policer-bypass-aggregate
  </policer-bypass-aggregate>
</ddos-protocol-basic-config>
```

#### Description

### <ddos-protocol-basic-config>

#### Usage

```
<ddos-protocol>
  <ddos-protocol-basic-config>
    <policer-bandwidth>
      policer-bandwidth
    </policer-bandwidth>
    <policer-burst>
      policer-burst
    </policer-burst>
    <policer-priority>
      policer-priority
    </policer-priority>
    <policer-time-recover>
      policer-time-recover
    </policer-time-recover>
    <policer-enable>
      policer-enable
    </policer-enable>
    <policer-bypass-aggregate>
      policer-bypass-aggregate
    </policer-bypass-aggregate>
  </ddos-protocol-basic-config>
</ddos-protocol>
```

```

    </policer-bypass-aggregate>
  </ddos-protocol-basic-config>
</ddos-protocol>

```

#### Description

### <ddos-protocol-basic-config>

#### Usage

```

<ddos-protocol-group>
  <ddos-protocol>
    <ddos-protocol-basic-config>
      <policer-bandwidth>
        policer-bandwidth
      </policer-bandwidth>
      <policer-burst>
        policer-burst
      </policer-burst>
      <policer-priority>
        policer-priority
      </policer-priority>
      <policer-time-recover>
        policer-time-recover
      </policer-time-recover>
      <policer-enable>
        policer-enable
      </policer-enable>
      <policer-bypass-aggregate>
        policer-bypass-aggregate
      </policer-bypass-aggregate>
    </ddos-protocol-basic-config>
  </ddos-protocol>
</ddos-protocol-group>

```

#### Description

### <ddos-protocol-group>

#### Usage

```

<ddos-protocol-group>
  <protocol-group-name>
    protocol-group-name
  </protocol-group-name>
  <ddos-protocol>....</ddos-protocol>
</ddos-protocol-group>

```

#### Description

### <ddos-protocol-instance-info>

#### Usage

```

<ddos-protocol-instance-info>
  <protocol-states-locale>

```

```
    protocol-states-locale
  </protocol-states-locale>
<ddos-instance-config>....</ddos-instance-config>
<ddos-instance-stats>....</ddos-instance-stats>
</ddos-protocol-instance-info>
```

#### Description

### <ddos-protocol-instance-info>

#### Usage

```
<ddos-protocol>
  <ddos-protocol-instance-info>
    <protocol-states-locale>
      protocol-states-locale
    </protocol-states-locale>
    <ddos-instance-config>....</ddos-instance-config>
    <ddos-instance-stats>....</ddos-instance-stats>
  </ddos-protocol-instance-info>
</ddos-protocol>
```

#### Description

### <ddos-protocol-instance-info>

#### Usage

```
<ddos-protocol-group>
  <ddos-protocol>
    <ddos-protocol-instance-info>
      <protocol-states-locale>
        protocol-states-locale
      </protocol-states-locale>
      <ddos-instance-config>....</ddos-instance-config>
      <ddos-instance-stats>....</ddos-instance-stats>
    </ddos-protocol-instance-info>
  </ddos-protocol>
</ddos-protocol-group>
```

#### Description

### <ddos-protocol-states>

#### Usage

```
<ddos-protocol-states>
  <protocol-enabled>
    protocol-enabled
  </protocol-enabled>
  <protocol-violated>
    protocol-violated
  </protocol-violated>
</ddos-protocol-states>
```

**Description****<ddos-protocols-information>****Usage**

```
<ddos-protocols-information>
  <total-changed-policers>
    total-changed-policers
  </total-changed-policers>
  <num-protocols-in-violation>
    num-protocols-in-violation
  </num-protocols-in-violation>
</ddos-protocols-information>
```

**Description****<ddos-statistics-brief>****Usage**

```
<ddos-statistics-brief>
  <group-name>
    group-name
  </group-name>
  <protocol-name>
    protocol-name
  </protocol-name>
  <packet-received>
    packet-received
  </packet-received>
  <packet-dropped>
    packet-dropped
  </packet-dropped>
  <packet-arrival-rate>
    packet-arrival-rate
  </packet-arrival-rate>
  <policer-violation-count>
    policer-violation-count
  </policer-violation-count>
  <protocol-states>
    protocol-states
  </protocol-states>
</ddos-statistics-brief>
```

**Description****<ddos-statistics-information>****Usage**

```
<ddos-statistics-information>
  <num-protocols-seen-violation>
    num-protocols-seen-violation
  </num-protocols-seen-violation>
  <num-protocols-in-violation>
    num-protocols-in-violation
```

```
</num-protocols-in-violation>
<num-total-violations>
  num-total-violations
</num-total-violations>
</ddos-statistics-information>
```

**Description** DDOS global statistics

### <ddos-status-information>

#### Usage

```
<ddos-status-information>
<total-policers>
  total-policers
</total-policers>
<total-violated-policers>
  total-violated-policers
</total-violated-policers>
</ddos-status-information>
```

#### Description

### <ddos-system-stats>

#### Usage

```
<ddos-system-stats>
<packet-received>
  packet-received
</packet-received>
<packet-dropped>
  packet-dropped
</packet-dropped>
<packet-arrival-rate>
  packet-arrival-rate
</packet-arrival-rate>
<packet-arrival-rate-max>
  packet-arrival-rate-max
</packet-arrival-rate-max>
<policer-violation-start-time>
  policer-violation-start-time
</policer-violation-start-time>
<policer-violation-last-time>
  policer-violation-last-time
</policer-violation-last-time>
<policer-violation-duration>
  policer-violation-duration
</policer-violation-duration>
<policer-violation-count>
  policer-violation-count
</policer-violation-count>
<fpc-violation-count-current>
  fpc-violation-count-current
</fpc-violation-count-current>
```



```

    <fpc-violation-count>
      fpc-violation-count
    </fpc-violation-count>
  </ddos-system-stats>

```

## Description

### <ddos-system-stats>

#### Usage

```

<ddos-protocol>
  <ddos-system-stats>
    <packet-received>
      packet-received
    </packet-received>
    <packet-dropped>
      packet-dropped
    </packet-dropped>
    <packet-arrival-rate>
      packet-arrival-rate
    </packet-arrival-rate>
    <packet-arrival-rate-max>
      packet-arrival-rate-max
    </packet-arrival-rate-max>
    <policer-violation-start-time>
      policer-violation-start-time
    </policer-violation-start-time>
    <policer-violation-last-time>
      policer-violation-last-time
    </policer-violation-last-time>
    <policer-violation-duration>
      policer-violation-duration
    </policer-violation-duration>
    <policer-violation-count>
      policer-violation-count
    </policer-violation-count>
    <fpc-violation-count-current>
      fpc-violation-count-current
    </fpc-violation-count-current>
    <fpc-violation-count>
      fpc-violation-count
    </fpc-violation-count>
  </ddos-system-stats>
</ddos-protocol>

```

## Description

### <ddos-system-stats>

#### Usage

```

<ddos-protocol-group>
  <ddos-protocol>
    <ddos-system-stats>
      <packet-received>

```

```
    packet-received
  </packet-received>
  <packet-dropped>
    packet-dropped
  </packet-dropped>
  <packet-arrival-rate>
    packet-arrival-rate
  </packet-arrival-rate>
  <packet-arrival-rate-max>
    packet-arrival-rate-max
  </packet-arrival-rate-max>
  <policer-violation-start-time>
    policer-violation-start-time
  </policer-violation-start-time>
  <policer-violation-last-time>
    policer-violation-last-time
  </policer-violation-last-time>
  <policer-violation-duration>
    policer-violation-duration
  </policer-violation-duration>
  <policer-violation-count>
    policer-violation-count
  </policer-violation-count>
  <fpc-violation-count-current>
    fpc-violation-count-current
  </fpc-violation-count-current>
  <fpc-violation-count>
    fpc-violation-count
  </fpc-violation-count>
</ddos-system-stats>
</ddos-protocol>
</ddos-protocol-group>
```

#### Description

### <ddos-version>

#### Usage

```
<ddos-version>
  <total-groups>
    total-groups
  </total-groups>
  <total-policers>
    total-policers
  </total-policers>
</ddos-version>
```

#### Description

### <ddos-violations-brief>

#### Usage

```
<ddos-violations-brief>
  <group-name>
```

```

    group-name
  </group-name>
  <protocol-name>
    protocol-name
  </protocol-name>
  <policer-bandwidth>
    policer-bandwidth
  </policer-bandwidth>
  <packet-arrival-rate>
    packet-arrival-rate
  </packet-arrival-rate>
  <packet-arrival-rate-max>
    packet-arrival-rate-max
  </packet-arrival-rate-max>
  <policer-violation-start-time>
    policer-violation-start-time
  </policer-violation-start-time>
  <protocol-states-locale>
    protocol-states-locale
  </protocol-states-locale>
</ddos-violations-brief>

```

## Description

### Summary of Junos OS Diameter Function Response Tags

#### <jdiameterd-function-brief>

##### Usage

```

<jdiameterd-function-brief>
  <jdiameterd-function-name>
    jdiameterd-function-name
  </jdiameterd-function-name>
  <jdiameterd-function-state>
    jdiameterd-function-state
  </jdiameterd-function-state>
  <jdiameterd-function-upstream-transaction-utilization>
    jdiameterd-function-upstream-transaction-utilization
  </jdiameterd-function-upstream-transaction-utilization>
  <jdiameterd-function-downstream-transaction-utilization>
    jdiameterd-function-downstream-transaction-utilization
  </jdiameterd-function-downstream-transaction-utilization>
  <jdiameterd-function-network-transmission-queue-memory-utilization>
    jdiameterd-function-network-transmission-queue-memory-utilization
  </jdiameterd-function-network-transmission-queue-memory-utilization>
  <jdiameterd-function-function-transmission-queue-memory-utilization>
    jdiameterd-function-function-transmission-queue-memory-utilization
  </jdiameterd-function-function-transmission-queue-memory-utilization>
  <jdiameterd-function-routed-dests>
    jdiameterd-function-routed-dests
  </jdiameterd-function-routed-dests>
</jdiameterd-function-brief>

```

**Description** Diameter function

### <jdiameterd-function-brief>

#### Usage

```
<jdiameterd-function-information>
  <jdiameterd-function-brief>
    <jdiameterd-function-name>
      jdiameterd-function-name
    </jdiameterd-function-name>
    <jdiameterd-function-state>
      jdiameterd-function-state
    </jdiameterd-function-state>
    <jdiameterd-function-upstream-transaction-utilization>
      jdiameterd-function-upstream-transaction-utilization
    </jdiameterd-function-upstream-transaction-utilization>
    <jdiameterd-function-downstream-transaction-utilization>
      jdiameterd-function-downstream-transaction-utilization
    </jdiameterd-function-downstream-transaction-utilization>
    <jdiameterd-function-network-transmission-queue-memory-utilization>
      jdiameterd-function-network-transmission-queue-memory-utilization
    </jdiameterd-function-network-transmission-queue-memory-utilization>
    <jdiameterd-function-function-transmission-queue-memory-utilization>
      jdiameterd-function-function-transmission-queue-memory-utilization
    </jdiameterd-function-function-transmission-queue-memory-utilization>
    <jdiameterd-function-routed-dests>
      jdiameterd-function-routed-dests
    </jdiameterd-function-routed-dests>
  </jdiameterd-function-brief>
</jdiameterd-function-information>
```

**Description** Diameter function

### <jdiameterd-function-data>

#### Usage

```
<jdiameterd-function-data>
  <jdiameterd-function-name>
    jdiameterd-function-name
  </jdiameterd-function-name>
  <jdiameterd-function-state>
    jdiameterd-function-state
  </jdiameterd-function-state>
  <jdiameterd-function-upstream-transaction-utilization>
    jdiameterd-function-upstream-transaction-utilization
  </jdiameterd-function-upstream-transaction-utilization>
  <jdiameterd-function-downstream-transaction-utilization>
    jdiameterd-function-downstream-transaction-utilization
  </jdiameterd-function-downstream-transaction-utilization>
  <jdiameterd-function-network-transmission-queue-memory-utilization>
    jdiameterd-function-network-transmission-queue-memory-utilization
  </jdiameterd-function-network-transmission-queue-memory-utilization>
  <jdiameterd-function-function-transmission-queue-memory-utilization>
```

```

    jdiameterd-function-function-transmission-queue-memory-utilization
  </jdiameterd-function-function-transmission-queue-memory-utilization>
  <jdiameterd-function-routed-dests>
    jdiameterd-function-routed-dests
  </jdiameterd-function-routed-dests>
  <jdiameterd-function-network-transmission-queue-requests>
    jdiameterd-function-network-transmission-queue-requests
  </jdiameterd-function-network-transmission-queue-requests>
  <jdiameterd-function-expected-answers-from-network>
    jdiameterd-function-expected-answers-from-network
  </jdiameterd-function-expected-answers-from-network>
  <jdiameterd-function-function-transmission-queue-answers>
    jdiameterd-function-function-transmission-queue-answers
  </jdiameterd-function-function-transmission-queue-answers>
  <jdiameterd-function-upstream-transaction-count>
    jdiameterd-function-upstream-transaction-count
  </jdiameterd-function-upstream-transaction-count>
  <jdiameterd-function-upstream-transaction-limit>
    jdiameterd-function-upstream-transaction-limit
  </jdiameterd-function-upstream-transaction-limit>
  <jdiameterd-function-function-transmission-queue-requests>
    jdiameterd-function-function-transmission-queue-requests
  </jdiameterd-function-function-transmission-queue-requests>
  <jdiameterd-function-expected-answers-from-function>
    jdiameterd-function-expected-answers-from-function
  </jdiameterd-function-expected-answers-from-function>
  <jdiameterd-function-network-transmission-queue-answers>
    jdiameterd-function-network-transmission-queue-answers
  </jdiameterd-function-network-transmission-queue-answers>
  <jdiameterd-function-downstream-transaction-count>
    jdiameterd-function-downstream-transaction-count
  </jdiameterd-function-downstream-transaction-count>
  <jdiameterd-function-downstream-transaction-limit>
    jdiameterd-function-downstream-transaction-limit
  </jdiameterd-function-downstream-transaction-limit>
  <jdiameterd-function-network-transmission-queue-memory>
    jdiameterd-function-network-transmission-queue-memory
  </jdiameterd-function-network-transmission-queue-memory>
  <jdiameterd-function-network-transmission-queue-memory-limit>
    jdiameterd-function-network-transmission-queue-memory-limit
  </jdiameterd-function-network-transmission-queue-memory-limit>
  <jdiameterd-function-function-transmission-queue-memory>
    jdiameterd-function-function-transmission-queue-memory
  </jdiameterd-function-function-transmission-queue-memory>
  <jdiameterd-function-function-transmission-queue-memory-limit>
    jdiameterd-function-function-transmission-queue-memory-limit
  </jdiameterd-function-function-transmission-queue-memory-limit>
</jdiameterd-function-data>

```

**Description**    Diameter function

## &lt;jdiameterd-function-data&gt;

## Usage

```
<jdiameterd-function-information>
  <jdiameterd-function-data>
    <jdiameterd-function-name>
      jdiameterd-function-name
    </jdiameterd-function-name>
    <jdiameterd-function-state>
      jdiameterd-function-state
    </jdiameterd-function-state>
    <jdiameterd-function-upstream-transaction-utilization>
      jdiameterd-function-upstream-transaction-utilization
    </jdiameterd-function-upstream-transaction-utilization>
    <jdiameterd-function-downstream-transaction-utilization>
      jdiameterd-function-downstream-transaction-utilization
    </jdiameterd-function-downstream-transaction-utilization>
    <jdiameterd-function-network-transmission-queue-memory-utilization>
      jdiameterd-function-network-transmission-queue-memory-utilization
    </jdiameterd-function-network-transmission-queue-memory-utilization>
    <jdiameterd-function-function-transmission-queue-memory-utilization>
      jdiameterd-function-function-transmission-queue-memory-utilization
    </jdiameterd-function-function-transmission-queue-memory-utilization>
    <jdiameterd-function-routed-dests>
      jdiameterd-function-routed-dests
    </jdiameterd-function-routed-dests>
    <jdiameterd-function-network-transmission-queue-requests>
      jdiameterd-function-network-transmission-queue-requests
    </jdiameterd-function-network-transmission-queue-requests>
    <jdiameterd-function-expected-answers-from-network>
      jdiameterd-function-expected-answers-from-network
    </jdiameterd-function-expected-answers-from-network>
    <jdiameterd-function-function-transmission-queue-answers>
      jdiameterd-function-function-transmission-queue-answers
    </jdiameterd-function-function-transmission-queue-answers>
    <jdiameterd-function-upstream-transaction-count>
      jdiameterd-function-upstream-transaction-count
    </jdiameterd-function-upstream-transaction-count>
    <jdiameterd-function-upstream-transaction-limit>
      jdiameterd-function-upstream-transaction-limit
    </jdiameterd-function-upstream-transaction-limit>
    <jdiameterd-function-function-transmission-queue-requests>
      jdiameterd-function-function-transmission-queue-requests
    </jdiameterd-function-function-transmission-queue-requests>
    <jdiameterd-function-expected-answers-from-function>
      jdiameterd-function-expected-answers-from-function
    </jdiameterd-function-expected-answers-from-function>
    <jdiameterd-function-network-transmission-queue-answers>
      jdiameterd-function-network-transmission-queue-answers
    </jdiameterd-function-network-transmission-queue-answers>
    <jdiameterd-function-downstream-transaction-count>
      jdiameterd-function-downstream-transaction-count
    </jdiameterd-function-downstream-transaction-count>
    <jdiameterd-function-downstream-transaction-limit>
      jdiameterd-function-downstream-transaction-limit
```

```

</jiameterd-function-downstream-transaction-limit>
<jiameterd-function-network-transmission-queue-memory>
  jiameterd-function-network-transmission-queue-memory
</jiameterd-function-network-transmission-queue-memory>
<jiameterd-function-network-transmission-queue-memory-limit>
  jiameterd-function-network-transmission-queue-memory-limit
</jiameterd-function-network-transmission-queue-memory-limit>
<jiameterd-function-function-transmission-queue-memory>
  jiameterd-function-function-transmission-queue-memory
</jiameterd-function-function-transmission-queue-memory>
<jiameterd-function-function-transmission-queue-memory-limit>
  jiameterd-function-function-transmission-queue-memory-limit
</jiameterd-function-function-transmission-queue-memory-limit>
<jiameterd-function-data>
</jiameterd-function-information>

```

**Description** Diameter function

### <jiameterd-function-error>

#### Usage

```

<jiameterd-function-information>
  <jiameterd-function-error>
</jiameterd-function-error>
</jiameterd-function-information>

```

**Description**

### <jiameterd-function-information>

#### Usage

```

<jiameterd-function-information>
  <jiameterd-function-list>....</jiameterd-function-list>
  <jiameterd-function-brief>....</jiameterd-function-brief>
  <jiameterd-function-data>....</jiameterd-function-data>
  <jiameterd-function-not-found>
    jiameterd-function-not-found
  </jiameterd-function-not-found>
  <jiameterd-function-error>....</jiameterd-function-error>
</jiameterd-function-information>

```

**Description** Diameter function information

### <jiameterd-function-list>

#### Usage

```

<jiameterd-function-list>
  <jiameterd-function-name>
    jiameterd-function-name
  </jiameterd-function-name>
  <jiameterd-function-state>

```

```
    jdiameterd-function-state
  </jdiameterd-function-state>
  <jdiameterd-function-upstream-transaction-utilization>
    jdiameterd-function-upstream-transaction-utilization
  </jdiameterd-function-upstream-transaction-utilization>
  <jdiameterd-function-downstream-transaction-utilization>
    jdiameterd-function-downstream-transaction-utilization
  </jdiameterd-function-downstream-transaction-utilization>
  <jdiameterd-function-network-transmission-queue-memory-utilization>
    jdiameterd-function-network-transmission-queue-memory-utilization
  </jdiameterd-function-network-transmission-queue-memory-utilization>
  <jdiameterd-function-function-transmission-queue-memory-utilization>
    jdiameterd-function-function-transmission-queue-memory-utilization
  </jdiameterd-function-function-transmission-queue-memory-utilization>
  <jdiameterd-function-routed-dests>
    jdiameterd-function-routed-dests
  </jdiameterd-function-routed-dests>
</jdiameterd-function-list>
```

**Description** Diameter functions

### <jdiameterd-function-list>

#### Usage

```
<jdiameterd-node-information>
  <jdiameterd-function-list>
    <jdiameterd-function-name>
      jdiameterd-function-name
    </jdiameterd-function-name>
    <jdiameterd-function-state>
      jdiameterd-function-state
    </jdiameterd-function-state>
    <jdiameterd-function-upstream-transaction-utilization>
      jdiameterd-function-upstream-transaction-utilization
    </jdiameterd-function-upstream-transaction-utilization>
    <jdiameterd-function-downstream-transaction-utilization>
      jdiameterd-function-downstream-transaction-utilization
    </jdiameterd-function-downstream-transaction-utilization>
    <jdiameterd-function-network-transmission-queue-memory-utilization>
      jdiameterd-function-network-transmission-queue-memory-utilization
    </jdiameterd-function-network-transmission-queue-memory-utilization>
    <jdiameterd-function-function-transmission-queue-memory-utilization>
      jdiameterd-function-function-transmission-queue-memory-utilization
    </jdiameterd-function-function-transmission-queue-memory-utilization>
    <jdiameterd-function-routed-dests>
      jdiameterd-function-routed-dests
    </jdiameterd-function-routed-dests>
  </jdiameterd-function-list>
</jdiameterd-node-information>
```

**Description** Diameter functions



## <jdiameterd-function-list>

### Usage

```

<jdiameterd-function-information>
  <jdiameterd-function-list>
    <jdiameterd-function-name>
      jdiameterd-function-name
    </jdiameterd-function-name>
    <jdiameterd-function-state>
      jdiameterd-function-state
    </jdiameterd-function-state>
    <jdiameterd-function-upstream-transaction-utilization>
      jdiameterd-function-upstream-transaction-utilization
    </jdiameterd-function-upstream-transaction-utilization>
    <jdiameterd-function-downstream-transaction-utilization>
      jdiameterd-function-downstream-transaction-utilization
    </jdiameterd-function-downstream-transaction-utilization>
    <jdiameterd-function-network-transmission-queue-memory-utilization>
      jdiameterd-function-network-transmission-queue-memory-utilization
    </jdiameterd-function-network-transmission-queue-memory-utilization>
    <jdiameterd-function-function-transmission-queue-memory-utilization>
      jdiameterd-function-function-transmission-queue-memory-utilization
    </jdiameterd-function-function-transmission-queue-memory-utilization>
    <jdiameterd-function-routed-dests>
      jdiameterd-function-routed-dests
    </jdiameterd-function-routed-dests>
  </jdiameterd-function-list>
</jdiameterd-function-information>

```

**Description**    Diameter functions

## <jdiameterd-function-statistics-brief>

### Usage

```

<jdiameterd-function-statistics-brief>
  <jdiameterd-function-name>
    jdiameterd-function-name
  </jdiameterd-function-name>
  <jdiameterd-function-connection-count>
    jdiameterd-function-connection-count
  </jdiameterd-function-connection-count>
  <jdiameterd-function-network-received-requests-deliveries>
    jdiameterd-function-network-received-requests-deliveries
  </jdiameterd-function-network-received-requests-deliveries>
  <jdiameterd-function-network-received-requests-deliveries-total>
    jdiameterd-function-network-received-requests-deliveries-total
  </jdiameterd-function-network-received-requests-deliveries-total>
  <jdiameterd-function-network-received-answer-deliveries>
    jdiameterd-function-network-received-answer-deliveries
  </jdiameterd-function-network-received-answer-deliveries>
  <jdiameterd-function-network-received-answer-deliveries-total>
    jdiameterd-function-network-received-answer-deliveries-total
  </jdiameterd-function-network-received-answer-deliveries-total>

```

```
<jdiameterd-function-network-received-message-deliveries>
  jdiameterd-function-network-received-message-deliveries
</jdiameterd-function-network-received-message-deliveries>
<jdiameterd-function-network-received-message-deliveries-total>
  jdiameterd-function-network-received-message-deliveries-total
</jdiameterd-function-network-received-message-deliveries-total>
<jdiameterd-function-function-received-requests-forwarded>
  jdiameterd-function-function-received-requests-forwarded
</jdiameterd-function-function-received-requests-forwarded>
<jdiameterd-function-function-received-requests-forwarded-total>
  jdiameterd-function-function-received-requests-forwarded-total
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<jdiameterd-function-function-received-messages-forwarded-total>
  jdiameterd-function-function-received-messages-forwarded-total
</jdiameterd-function-function-received-messages-forwarded-total>
</jdiameterd-function-statistics-brief>
```

**Description**    Function statistics

### <jdiameterd-function-statistics-brief>

#### Usage

```
<jdiameterd-function-statistics-information>
  <jdiameterd-function-statistics-brief>
    <jdiameterd-function-name>
      jdiameterd-function-name
    </jdiameterd-function-name>
    <jdiameterd-function-connection-count>
      jdiameterd-function-connection-count
    </jdiameterd-function-connection-count>
    <jdiameterd-function-network-received-requests-deliveries>
      jdiameterd-function-network-received-requests-deliveries
    </jdiameterd-function-network-received-requests-deliveries>
    <jdiameterd-function-network-received-requests-deliveries-total>
      jdiameterd-function-network-received-requests-deliveries-total
    </jdiameterd-function-network-received-requests-deliveries-total>
    <jdiameterd-function-network-received-answer-deliveries>
      jdiameterd-function-network-received-answer-deliveries
    </jdiameterd-function-network-received-answer-deliveries>
    <jdiameterd-function-network-received-answer-deliveries-total>
      jdiameterd-function-network-received-answer-deliveries-total
    </jdiameterd-function-network-received-answer-deliveries-total>
    <jdiameterd-function-network-received-message-deliveries>
      jdiameterd-function-network-received-message-deliveries
    </jdiameterd-function-network-received-message-deliveries>
```

```

<jdiameterd-function-network-received-message-deliveries-total>
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</jdiameterd-function-function-received-messages-forwarded-total>
</jdiameterd-function-statistics-brief>
</jdiameterd-function-statistics-information>

```

**Description**    Function statistics

### <jdiameterd-function-statistics-data>

#### Usage

```

<jdiameterd-function-statistics-data>
  <jdiameterd-function-name>
    jdiameterd-function-name
  </jdiameterd-function-name>
  <jdiameterd-function-connection-count>
    jdiameterd-function-connection-count
  </jdiameterd-function-connection-count>
  <jdiameterd-function-network-received-requests-deliveries>
    jdiameterd-function-network-received-requests-deliveries
  </jdiameterd-function-network-received-requests-deliveries>
  <jdiameterd-function-network-received-requests-deliveries-total>
    jdiameterd-function-network-received-requests-deliveries-total
  </jdiameterd-function-network-received-requests-deliveries-total>
  <jdiameterd-function-network-received-answer-deliveries>
    jdiameterd-function-network-received-answer-deliveries
  </jdiameterd-function-network-received-answer-deliveries>
  <jdiameterd-function-network-received-answer-deliveries-total>
    jdiameterd-function-network-received-answer-deliveries-total
  </jdiameterd-function-network-received-answer-deliveries-total>
  <jdiameterd-function-network-received-message-deliveries>
    jdiameterd-function-network-received-message-deliveries
  </jdiameterd-function-network-received-message-deliveries>
  <jdiameterd-function-network-received-message-deliveries-total>
    jdiameterd-function-network-received-message-deliveries-total
  </jdiameterd-function-network-received-message-deliveries-total>

```

```
<jdiameterd-function-function-received-requests-forwarded>
  jdiameterd-function-function-received-requests-forwarded
</jdiameterd-function-function-received-requests-forwarded>
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<jdiameterd-function-function-received-requests-over-limit>
  jdiameterd-function-function-received-requests-over-limit
```

```

</jdiameterd-function-function-received-requests-over-limit>
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</jdiameterd-function-statistics-data>

```

**Description**    Function statistics

### <jdiameterd-function-statistics-data>

#### Usage

```

<jdiameterd-function-statistics-information>
<jdiameterd-function-statistics-data>
  <jdiameterd-function-name>
    jdiameterd-function-name
  </jdiameterd-function-name>
  <jdiameterd-function-connection-count>
    jdiameterd-function-connection-count
  </jdiameterd-function-connection-count>
  <jdiameterd-function-network-received-requests-deliveries>
    jdiameterd-function-network-received-requests-deliveries
  </jdiameterd-function-network-received-requests-deliveries>
  <jdiameterd-function-network-received-requests-deliveries-total>
    jdiameterd-function-network-received-requests-deliveries-total

```

```
</jdiameterd-function-network-received-requests-deliveries-total>
<jdiameterd-function-network-received-answer-deliveries>
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<jdiameterd-function-network-received-answer-delivery-fails>
```

```

    jdiameterd-function-network-received-answer-delivery-fails
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  </jdiameterd-function-function-receive-message-failures>
  <jdiameterd-function-function-receive-message-failures-total>
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  </jdiameterd-function-function-receive-message-failures-total>
</jdiameterd-function-statistics-data>
</jdiameterd-function-statistics-information>

```

**Description**    Function statistics

### <jdiameterd-function-statistics-error>

#### Usage

```
<jdiameterd-function-statistics-information>
  <jdiameterd-function-statistics-error>
</jdiameterd-function-statistics-error>
</jdiameterd-function-statistics-information>
```

#### Description

### <jdiameterd-function-statistics-information>

#### Usage

```
<jdiameterd-function-statistics-information>
  <jdiameterd-function-statistics-list>....</jdiameterd-function-statistics-list>
  <jdiameterd-function-statistics-brief>....</jdiameterd-function-statistics-brief>
  <jdiameterd-function-statistics-data>....</jdiameterd-function-statistics-data>
  <jdiameterd-function-statistics-not-found>
    jdiameterd-function-statistics-not-found
  </jdiameterd-function-statistics-not-found>
  <jdiameterd-function-statistics-error>....</jdiameterd-function-statistics-error>
</jdiameterd-function-statistics-information>
```

**Description** Diameter function statistics

### <jdiameterd-function-statistics-list>

#### Usage

```
<jdiameterd-function-statistics-list>
  <jdiameterd-function-name>
    jdiameterd-function-name
  </jdiameterd-function-name>
  <jdiameterd-function-network-received-requests-deliveries>
    jdiameterd-function-network-received-requests-deliveries
  </jdiameterd-function-network-received-requests-deliveries>
  <jdiameterd-function-network-received-answer-deliveries>
    jdiameterd-function-network-received-answer-deliveries
  </jdiameterd-function-network-received-answer-deliveries>
  <jdiameterd-function-network-received-message-deliveries>
    jdiameterd-function-network-received-message-deliveries
  </jdiameterd-function-network-received-message-deliveries>
  <jdiameterd-function-function-received-requests-forwarded>
    jdiameterd-function-function-received-requests-forwarded
  </jdiameterd-function-function-received-requests-forwarded>
  <jdiameterd-function-function-received-answers-forwarded>
    jdiameterd-function-function-received-answers-forwarded
  </jdiameterd-function-function-received-answers-forwarded>
  <jdiameterd-function-function-received-messages-forwarded>
    jdiameterd-function-function-received-messages-forwarded
  </jdiameterd-function-function-received-messages-forwarded>
</jdiameterd-function-statistics-list>
```



**Description** Function statistics summary

### <jdiameterd-function-statistics-list>

#### Usage

```
<jdiameterd-function-statistics-information>
  <jdiameterd-function-statistics-list>
    <jdiameterd-function-name>
      jdiameterd-function-name
    </jdiameterd-function-name>
    <jdiameterd-function-network-received-requests-deliveries>
      jdiameterd-function-network-received-requests-deliveries
    </jdiameterd-function-network-received-requests-deliveries>
    <jdiameterd-function-network-received-answer-deliveries>
      jdiameterd-function-network-received-answer-deliveries
    </jdiameterd-function-network-received-answer-deliveries>
    <jdiameterd-function-network-received-message-deliveries>
      jdiameterd-function-network-received-message-deliveries
    </jdiameterd-function-network-received-message-deliveries>
    <jdiameterd-function-function-received-requests-forwarded>
      jdiameterd-function-function-received-requests-forwarded
    </jdiameterd-function-function-received-requests-forwarded>
    <jdiameterd-function-function-received-answers-forwarded>
      jdiameterd-function-function-received-answers-forwarded
    </jdiameterd-function-function-received-answers-forwarded>
    <jdiameterd-function-function-received-messages-forwarded>
      jdiameterd-function-function-received-messages-forwarded
    </jdiameterd-function-function-received-messages-forwarded>
  </jdiameterd-function-statistics-list>
</jdiameterd-function-statistics-information>
```

**Description** Function statistics summary

### <jdiameterd-instance-brief>

#### Usage

```
<jdiameterd-instance-brief>
  <jdiameterd-instance-name>
    jdiameterd-instance-name
  </jdiameterd-instance-name>
  <jdiameterd-instance-origin-realm>
    jdiameterd-instance-origin-realm
  </jdiameterd-instance-origin-realm>
  <jdiameterd-instance-origin-host>
    jdiameterd-instance-origin-host
  </jdiameterd-instance-origin-host>
  <jdiameterd-instance-total-network-elements>
    jdiameterd-instance-total-network-elements
  </jdiameterd-instance-total-network-elements>
  <jdiameterd-instance-connected-network-elements>
    jdiameterd-instance-connected-network-elements
  </jdiameterd-instance-connected-network-elements>
```

</jiameterd-instance-brief>

**Description**    Diameter instance

### <jiameterd-instance-brief>

#### Usage

```
<jiameterd-instance-information>
  <jiameterd-instance-brief>
    <jiameterd-instance-name>
      jiameterd-instance-name
    </jiameterd-instance-name>
    <jiameterd-instance-origin-realm>
      jiameterd-instance-origin-realm
    </jiameterd-instance-origin-realm>
    <jiameterd-instance-origin-host>
      jiameterd-instance-origin-host
    </jiameterd-instance-origin-host>
    <jiameterd-instance-total-network-elements>
      jiameterd-instance-total-network-elements
    </jiameterd-instance-total-network-elements>
    <jiameterd-instance-connected-network-elements>
      jiameterd-instance-connected-network-elements
    </jiameterd-instance-connected-network-elements>
  </jiameterd-instance-brief>
</jiameterd-instance-information>
```

**Description**    Diameter instance

### <jiameterd-instance-error>

#### Usage

```
<jiameterd-instance-information>
  <jiameterd-instance-error>
</jiameterd-instance-error>
</jiameterd-instance-information>
```

**Description**

### <jiameterd-instance-information>

#### Usage

```
<jiameterd-instance-information>
  <jiameterd-instance-list>....</jiameterd-instance-list>
  <jiameterd-instance-brief>....</jiameterd-instance-brief>
  <jiameterd-instance-not-found>
    jiameterd-instance-not-found
  </jiameterd-instance-not-found>
  <jiameterd-instance-error>....</jiameterd-instance-error>
</jiameterd-instance-information>
```

**Description** Diameter instance information

### <jdiameterd-instance-list>

#### Usage

```
<jdiameterd-instance-list>
  <jdiameterd-instance-name>
    jdiameterd-instance-name
  </jdiameterd-instance-name>
  <jdiameterd-instance-origin-realm>
    jdiameterd-instance-origin-realm
  </jdiameterd-instance-origin-realm>
  <jdiameterd-instance-origin-host>
    jdiameterd-instance-origin-host
  </jdiameterd-instance-origin-host>
  <jdiameterd-instance-total-network-elements>
    jdiameterd-instance-total-network-elements
  </jdiameterd-instance-total-network-elements>
  <jdiameterd-instance-connected-network-elements>
    jdiameterd-instance-connected-network-elements
  </jdiameterd-instance-connected-network-elements>
</jdiameterd-instance-list>
```

**Description** Diameter instances

### <jdiameterd-instance-list>

#### Usage

```
<jdiameterd-node-information>
  <jdiameterd-instance-list>
    <jdiameterd-instance-name>
      jdiameterd-instance-name
    </jdiameterd-instance-name>
    <jdiameterd-instance-origin-realm>
      jdiameterd-instance-origin-realm
    </jdiameterd-instance-origin-realm>
    <jdiameterd-instance-origin-host>
      jdiameterd-instance-origin-host
    </jdiameterd-instance-origin-host>
    <jdiameterd-instance-total-network-elements>
      jdiameterd-instance-total-network-elements
    </jdiameterd-instance-total-network-elements>
    <jdiameterd-instance-connected-network-elements>
      jdiameterd-instance-connected-network-elements
    </jdiameterd-instance-connected-network-elements>
  </jdiameterd-instance-list>
</jdiameterd-node-information>
```

**Description** Diameter instances

## <jdiameterd-instance-list>

### Usage

```
<jdiameterd-instance-information>
  <jdiameterd-instance-list>
    <jdiameterd-instance-name>
      jdiameterd-instance-name
    </jdiameterd-instance-name>
    <jdiameterd-instance-origin-realm>
      jdiameterd-instance-origin-realm
    </jdiameterd-instance-origin-realm>
    <jdiameterd-instance-origin-host>
      jdiameterd-instance-origin-host
    </jdiameterd-instance-origin-host>
    <jdiameterd-instance-total-network-elements>
      jdiameterd-instance-total-network-elements
    </jdiameterd-instance-total-network-elements>
    <jdiameterd-instance-connected-network-elements>
      jdiameterd-instance-connected-network-elements
    </jdiameterd-instance-connected-network-elements>
  </jdiameterd-instance-list>
</jdiameterd-instance-information>
```

**Description** Diameter instances

## <jdiameterd-network-element-brief>

### Usage

```
<jdiameterd-network-element-brief>
  <jdiameterd-network-element-name>
    jdiameterd-network-element-name
  </jdiameterd-network-element-name>
  <jdiameterd-network-element-instance-name>
    jdiameterd-network-element-instance-name
  </jdiameterd-network-element-instance-name>
  <jdiameterd-network-element-state>
    jdiameterd-network-element-state
  </jdiameterd-network-element-state>
  <jdiameterd-network-element-primary-peer>
    jdiameterd-network-element-primary-peer
  </jdiameterd-network-element-primary-peer>
  <jdiameterd-network-element-secondary-peer>
    jdiameterd-network-element-secondary-peer
  </jdiameterd-network-element-secondary-peer>
</jdiameterd-network-element-brief>
```

**Description** Diameter network-elements

## <jdiameterd-network-element-brief>

### Usage

```
<jdiameterd-network-element-information>
```

```

<jdiameterd-network-element-brief>
  <jdiameterd-network-element-name>
    jdiameterd-network-element-name
  </jdiameterd-network-element-name>
  <jdiameterd-network-element-instance-name>
    jdiameterd-network-element-instance-name
  </jdiameterd-network-element-instance-name>
  <jdiameterd-network-element-state>
    jdiameterd-network-element-state
  </jdiameterd-network-element-state>
  <jdiameterd-network-element-primary-peer>
    jdiameterd-network-element-primary-peer
  </jdiameterd-network-element-primary-peer>
  <jdiameterd-network-element-secondary-peer>
    jdiameterd-network-element-secondary-peer
  </jdiameterd-network-element-secondary-peer>
</jdiameterd-network-element-brief>
</jdiameterd-network-element-information>

```

**Description**    Diameter network-elements

### <jdiameterd-network-element-data>

#### Usage

```

<jdiameterd-network-element-data>
  <jdiameterd-network-element-name>
    jdiameterd-network-element-name
  </jdiameterd-network-element-name>
  <jdiameterd-network-element-instance-name>
    jdiameterd-network-element-instance-name
  </jdiameterd-network-element-instance-name>
  <jdiameterd-network-element-state>
    jdiameterd-network-element-state
  </jdiameterd-network-element-state>
  <jdiameterd-network-element-primary-peer>
    jdiameterd-network-element-primary-peer
  </jdiameterd-network-element-primary-peer>
  <jdiameterd-network-element-secondary-peer>
    jdiameterd-network-element-secondary-peer
  </jdiameterd-network-element-secondary-peer>
  <jdiameterd-network-element-total-peers>
    jdiameterd-network-element-total-peers
  </jdiameterd-network-element-total-peers>
  <jdiameterd-network-element-activated-peers>
    jdiameterd-network-element-activated-peers
  </jdiameterd-network-element-activated-peers>
  <jdiameterd-network-element-open-peers>
    jdiameterd-network-element-open-peers
  </jdiameterd-network-element-open-peers>
  <jdiameterd-network-element-total-routes>
    jdiameterd-network-element-total-routes
  </jdiameterd-network-element-total-routes>
  <jdiameterd-network-element-invalid-routes>
    jdiameterd-network-element-invalid-routes

```

```
</jdiameterd-network-element-invalid-routes>
<jdiameterd-network-element-peer-activation-delay>
  jdiameterd-network-element-peer-activation-delay
</jdiameterd-network-element-peer-activation-delay>
<jdiameterd-network-element-first-selection-delay>
  jdiameterd-network-element-first-selection-delay
</jdiameterd-network-element-first-selection-delay>
<jdiameterd-network-element-post-selection-delay>
  jdiameterd-network-element-post-selection-delay
</jdiameterd-network-element-post-selection-delay>
</jdiameterd-network-element-data>
```

**Description**   Diameter network-elements

### <jdiameterd-network-element-data>

#### Usage

```
<jdiameterd-network-element-information>
<jdiameterd-network-element-data>
  <jdiameterd-network-element-name>
    jdiameterd-network-element-name
  </jdiameterd-network-element-name>
  <jdiameterd-network-element-instance-name>
    jdiameterd-network-element-instance-name
  </jdiameterd-network-element-instance-name>
  <jdiameterd-network-element-state>
    jdiameterd-network-element-state
  </jdiameterd-network-element-state>
  <jdiameterd-network-element-primary-peer>
    jdiameterd-network-element-primary-peer
  </jdiameterd-network-element-primary-peer>
  <jdiameterd-network-element-secondary-peer>
    jdiameterd-network-element-secondary-peer
  </jdiameterd-network-element-secondary-peer>
  <jdiameterd-network-element-total-peers>
    jdiameterd-network-element-total-peers
  </jdiameterd-network-element-total-peers>
  <jdiameterd-network-element-activated-peers>
    jdiameterd-network-element-activated-peers
  </jdiameterd-network-element-activated-peers>
  <jdiameterd-network-element-open-peers>
    jdiameterd-network-element-open-peers
  </jdiameterd-network-element-open-peers>
  <jdiameterd-network-element-total-routes>
    jdiameterd-network-element-total-routes
  </jdiameterd-network-element-total-routes>
  <jdiameterd-network-element-invalid-routes>
    jdiameterd-network-element-invalid-routes
  </jdiameterd-network-element-invalid-routes>
  <jdiameterd-network-element-peer-activation-delay>
    jdiameterd-network-element-peer-activation-delay
  </jdiameterd-network-element-peer-activation-delay>
  <jdiameterd-network-element-first-selection-delay>
    jdiameterd-network-element-first-selection-delay
```

```

</jiameterd-network-element-first-selection-delay>
<jiameterd-network-element-post-selection-delay>
  jiameterd-network-element-post-selection-delay
</jiameterd-network-element-post-selection-delay>
</jiameterd-network-element-data>
</jiameterd-network-element-information>

```

**Description** Diameter network-elements

### <jiameterd-network-element-error>

#### Usage

```

<jiameterd-network-element-information>
  <jiameterd-network-element-error>
</jiameterd-network-element-error>
</jiameterd-network-element-information>

```

**Description**

### <jiameterd-network-element-information>

#### Usage

```

<jiameterd-network-element-information>
  <jiameterd-network-element-list>....</jiameterd-network-element-list>
  <jiameterd-network-element-brief>....</jiameterd-network-element-brief>
  <jiameterd-network-element-data>....</jiameterd-network-element-data>
  <jiameterd-network-element-not-found>
    jiameterd-network-element-not-found
  </jiameterd-network-element-not-found>
  <jiameterd-network-element-error>....</jiameterd-network-element-error>
</jiameterd-network-element-information>

```

**Description** Diameter network element informaiton

### <jiameterd-network-element-list>

#### Usage

```

<jiameterd-network-element-list>
  <jiameterd-network-element-name>
    jiameterd-network-element-name
  </jiameterd-network-element-name>
  <jiameterd-network-element-instance-name>
    jiameterd-network-element-instance-name
  </jiameterd-network-element-instance-name>
  <jiameterd-network-element-state>
    jiameterd-network-element-state
  </jiameterd-network-element-state>
  <jiameterd-network-element-primary-peer>
    jiameterd-network-element-primary-peer
  </jiameterd-network-element-primary-peer>
  <jiameterd-network-element-secondary-peer>

```

```
    jdiameterd-network-element-secondary-peer
  </jdiameterd-network-element-secondary-peer>
</jdiameterd-network-element-list>
```

**Description** Diameter network-elements

### <jdiameterd-network-element-list>

#### Usage

```
<jdiameterd-node-information>
  <jdiameterd-network-element-list>
    <jdiameterd-network-element-name>
      jdiameterd-network-element-name
    </jdiameterd-network-element-name>
    <jdiameterd-network-element-instance-name>
      jdiameterd-network-element-instance-name
    </jdiameterd-network-element-instance-name>
    <jdiameterd-network-element-state>
      jdiameterd-network-element-state
    </jdiameterd-network-element-state>
    <jdiameterd-network-element-primary-peer>
      jdiameterd-network-element-primary-peer
    </jdiameterd-network-element-primary-peer>
    <jdiameterd-network-element-secondary-peer>
      jdiameterd-network-element-secondary-peer
    </jdiameterd-network-element-secondary-peer>
  </jdiameterd-network-element-list>
</jdiameterd-node-information>
```

**Description** Diameter network-elements

### <jdiameterd-network-element-list>

#### Usage

```
<jdiameterd-network-element-information>
  <jdiameterd-network-element-list>
    <jdiameterd-network-element-name>
      jdiameterd-network-element-name
    </jdiameterd-network-element-name>
    <jdiameterd-network-element-instance-name>
      jdiameterd-network-element-instance-name
    </jdiameterd-network-element-instance-name>
    <jdiameterd-network-element-state>
      jdiameterd-network-element-state
    </jdiameterd-network-element-state>
    <jdiameterd-network-element-primary-peer>
      jdiameterd-network-element-primary-peer
    </jdiameterd-network-element-primary-peer>
    <jdiameterd-network-element-secondary-peer>
      jdiameterd-network-element-secondary-peer
    </jdiameterd-network-element-secondary-peer>
  </jdiameterd-network-element-list>
```



</jdiameterd-network-element-information>

**Description** Diameter network-elements

### <jdiameterd-network-element-map-data>

#### Usage

```
<jdiameterd-network-element-map-data>
  <jdiameterd-network-element-name>
    jdiameterd-network-element-name
  </jdiameterd-network-element-name>
  <jdiameterd-network-element-instance-name>
    jdiameterd-network-element-instance-name
  </jdiameterd-network-element-instance-name>
  <jdiameterd-network-element-peer-name>
    jdiameterd-network-element-peer-name
  </jdiameterd-network-element-peer-name>
  <jdiameterd-network-element-peer-priority>
    jdiameterd-network-element-peer-priority
  </jdiameterd-network-element-peer-priority>
  <jdiameterd-network-element-peer-usage>
    jdiameterd-network-element-peer-usage
  </jdiameterd-network-element-peer-usage>
</jdiameterd-network-element-map-data>
```

**Description** Diameter peers used by network-elements

### <jdiameterd-network-element-map-data>

#### Usage

```
<jdiameterd-network-element-map-information>
  <jdiameterd-network-element-map-data>
    <jdiameterd-network-element-name>
      jdiameterd-network-element-name
    </jdiameterd-network-element-name>
    <jdiameterd-network-element-instance-name>
      jdiameterd-network-element-instance-name
    </jdiameterd-network-element-instance-name>
    <jdiameterd-network-element-peer-name>
      jdiameterd-network-element-peer-name
    </jdiameterd-network-element-peer-name>
    <jdiameterd-network-element-peer-priority>
      jdiameterd-network-element-peer-priority
    </jdiameterd-network-element-peer-priority>
    <jdiameterd-network-element-peer-usage>
      jdiameterd-network-element-peer-usage
    </jdiameterd-network-element-peer-usage>
  </jdiameterd-network-element-map-data>
</jdiameterd-network-element-map-information>
```

**Description** Diameter peers used by network-elements

### <jdiameterd-network-element-map-error>

#### Usage

```
<jdiameterd-network-element-map-information>
  <jdiameterd-network-element-map-error>
</jdiameterd-network-element-map-error>
</jdiameterd-network-element-map-information>
```

#### Description

### <jdiameterd-network-element-map-information>

#### Usage

```
<jdiameterd-network-element-map-information>

  <jdiameterd-network-element-map-list>....</jdiameterd-network-element-map-list>

  <jdiameterd-network-element-map-data>....</jdiameterd-network-element-map-data>

    <jdiameterd-network-element-map-not-found>
      jdiameterd-network-element-map-not-found
    </jdiameterd-network-element-map-not-found>

  <jdiameterd-network-element-map-error>....</jdiameterd-network-element-map-error>

</jdiameterd-network-element-map-information>
```

**Description** Diameter network element map informaiton

### <jdiameterd-network-element-map-list>

#### Usage

```
<jdiameterd-network-element-map-list>
  <jdiameterd-network-element-name>
    jdiameterd-network-element-name
  </jdiameterd-network-element-name>
  <jdiameterd-network-element-instance-name>
    jdiameterd-network-element-instance-name
  </jdiameterd-network-element-instance-name>
  <jdiameterd-network-element-peer-name>
    jdiameterd-network-element-peer-name
  </jdiameterd-network-element-peer-name>
  <jdiameterd-network-element-peer-priority>
    jdiameterd-network-element-peer-priority
  </jdiameterd-network-element-peer-priority>
  <jdiameterd-network-element-peer-usage>
    jdiameterd-network-element-peer-usage
  </jdiameterd-network-element-peer-usage>
</jdiameterd-network-element-map-list>
```

**Description** Diameter peers used by network-elements

## <jdiameterd-network-element-map-list>

### Usage

```

<jdiameterd-network-element-map-information>
  <jdiameterd-network-element-map-list>
    <jdiameterd-network-element-name>
      jdiameterd-network-element-name
    </jdiameterd-network-element-name>
    <jdiameterd-network-element-instance-name>
      jdiameterd-network-element-instance-name
    </jdiameterd-network-element-instance-name>
    <jdiameterd-network-element-peer-name>
      jdiameterd-network-element-peer-name
    </jdiameterd-network-element-peer-name>
    <jdiameterd-network-element-peer-priority>
      jdiameterd-network-element-peer-priority
    </jdiameterd-network-element-peer-priority>
    <jdiameterd-network-element-peer-usage>
      jdiameterd-network-element-peer-usage
    </jdiameterd-network-element-peer-usage>
  </jdiameterd-network-element-map-list>
</jdiameterd-network-element-map-information>

```

**Description** Diameter peers used by network-elements

## <jdiameterd-node-information>

### Usage

```

<jdiameterd-node-information>
  <jdiameterd-node-summary>.....</jdiameterd-node-summary>
  <jdiameterd-function-list>.....</jdiameterd-function-list>
  <jdiameterd-instance-list>.....</jdiameterd-instance-list>
  <jdiameterd-network-element-list>.....</jdiameterd-network-element-list>
  <jdiameterd-peer-list>.....</jdiameterd-peer-list>
  <jdiameterd-route-list>.....</jdiameterd-route-list>
</jdiameterd-node-information>

```

**Description** Diameter information

## <jdiameterd-node-summary>

### Usage

```

<jdiameterd-node-summary>
  <jdiameterd-node-pid>
    jdiameterd-node-pid
  </jdiameterd-node-pid>
  <jdiameterd-node-total-functions>
    jdiameterd-node-total-functions
  </jdiameterd-node-total-functions>
  <jdiameterd-node-connected-functions>
    jdiameterd-node-connected-functions
  </jdiameterd-node-connected-functions>

```

```
<jdiameterd-node-instances>
  jdiameterd-node-instances
</jdiameterd-node-instances>
<jdiameterd-node-total-network-elements>
  jdiameterd-node-total-network-elements
</jdiameterd-node-total-network-elements>
<jdiameterd-node-connected-network-elements>
  jdiameterd-node-connected-network-elements
</jdiameterd-node-connected-network-elements>
<jdiameterd-node-total-peers>
  jdiameterd-node-total-peers
</jdiameterd-node-total-peers>
<jdiameterd-node-activated-peers>
  jdiameterd-node-activated-peers
</jdiameterd-node-activated-peers>
<jdiameterd-node-open-peers>
  jdiameterd-node-open-peers
</jdiameterd-node-open-peers>
<jdiameterd-node-total-transports>
  jdiameterd-node-total-transports
</jdiameterd-node-total-transports>
<jdiameterd-node-network-transmission-queue-requests>
  jdiameterd-node-network-transmission-queue-requests
</jdiameterd-node-network-transmission-queue-requests>
<jdiameterd-node-network-transmission-queue-answers>
  jdiameterd-node-network-transmission-queue-answers
</jdiameterd-node-network-transmission-queue-answers>
<jdiameterd-node-expected-answers-from-network>
  jdiameterd-node-expected-answers-from-network
</jdiameterd-node-expected-answers-from-network>
<jdiameterd-node-function-transmission-queue-requests>
  jdiameterd-node-function-transmission-queue-requests
</jdiameterd-node-function-transmission-queue-requests>
<jdiameterd-node-function-transmission-queue-answers>
  jdiameterd-node-function-transmission-queue-answers
</jdiameterd-node-function-transmission-queue-answers>
<jdiameterd-node-expected-answers-from-function>
  jdiameterd-node-expected-answers-from-function
</jdiameterd-node-expected-answers-from-function>
<jdiameterd-node-network-transmission-queue-memory>
  jdiameterd-node-network-transmission-queue-memory
</jdiameterd-node-network-transmission-queue-memory>
<jdiameterd-node-function-transmission-queue-memory>
  jdiameterd-node-function-transmission-queue-memory
</jdiameterd-node-function-transmission-queue-memory>
</jdiameterd-node-summary>
```

**Description**    Diameter node information

### <jdiameterd-node-summary>

#### Usage

```
<jdiameterd-node-information>
<jdiameterd-node-summary>
```

```
<jdiameterd-node-pid>
  jdiameterd-node-pid
</jdiameterd-node-pid>
<jdiameterd-node-total-functions>
  jdiameterd-node-total-functions
</jdiameterd-node-total-functions>
<jdiameterd-node-connected-functions>
  jdiameterd-node-connected-functions
</jdiameterd-node-connected-functions>
<jdiameterd-node-instances>
  jdiameterd-node-instances
</jdiameterd-node-instances>
<jdiameterd-node-total-network-elements>
  jdiameterd-node-total-network-elements
</jdiameterd-node-total-network-elements>
<jdiameterd-node-connected-network-elements>
  jdiameterd-node-connected-network-elements
</jdiameterd-node-connected-network-elements>
<jdiameterd-node-total-peers>
  jdiameterd-node-total-peers
</jdiameterd-node-total-peers>
<jdiameterd-node-activated-peers>
  jdiameterd-node-activated-peers
</jdiameterd-node-activated-peers>
<jdiameterd-node-open-peers>
  jdiameterd-node-open-peers
</jdiameterd-node-open-peers>
<jdiameterd-node-total-transports>
  jdiameterd-node-total-transports
</jdiameterd-node-total-transports>
<jdiameterd-node-network-transmission-queue-requests>
  jdiameterd-node-network-transmission-queue-requests
</jdiameterd-node-network-transmission-queue-requests>
<jdiameterd-node-network-transmission-queue-answers>
  jdiameterd-node-network-transmission-queue-answers
</jdiameterd-node-network-transmission-queue-answers>
<jdiameterd-node-expected-answers-from-network>
  jdiameterd-node-expected-answers-from-network
</jdiameterd-node-expected-answers-from-network>
<jdiameterd-node-function-transmission-queue-requests>
  jdiameterd-node-function-transmission-queue-requests
</jdiameterd-node-function-transmission-queue-requests>
<jdiameterd-node-function-transmission-queue-answers>
  jdiameterd-node-function-transmission-queue-answers
</jdiameterd-node-function-transmission-queue-answers>
<jdiameterd-node-expected-answers-from-function>
  jdiameterd-node-expected-answers-from-function
</jdiameterd-node-expected-answers-from-function>
<jdiameterd-node-network-transmission-queue-memory>
  jdiameterd-node-network-transmission-queue-memory
</jdiameterd-node-network-transmission-queue-memory>
<jdiameterd-node-function-transmission-queue-memory>
  jdiameterd-node-function-transmission-queue-memory
</jdiameterd-node-function-transmission-queue-memory>
</jdiameterd-node-summary>
```

</jiameterd-node-information>

**Description** Diameter node information

### <jiameterd-peer-brief>

#### Usage

```
<jiameterd-peer-brief>
  <jiameterd-peer-name>
    jiameterd-peer-name
  </jiameterd-peer-name>
  <jiameterd-instance-name>
    jiameterd-instance-name
  </jiameterd-instance-name>
  <jiameterd-peer-state>
    jiameterd-peer-state
  </jiameterd-peer-state>
  <jiameterd-peer-network-element-count>
    jiameterd-peer-network-element-count
  </jiameterd-peer-network-element-count>
  <jiameterd-peer-activated-count>
    jiameterd-peer-activated-count
  </jiameterd-peer-activated-count>
  <jiameterd-peer-primary-count>
    jiameterd-peer-primary-count
  </jiameterd-peer-primary-count>
  <jiameterd-peer-secondary-count>
    jiameterd-peer-secondary-count
  </jiameterd-peer-secondary-count>
  <jiameterd-peer-vrf>
    jiameterd-peer-vrf
  </jiameterd-peer-vrf>
  <jiameterd-peer-remote-address>
    jiameterd-peer-remote-address
  </jiameterd-peer-remote-address>
  <jiameterd-peer-remote-port>
    jiameterd-peer-remote-port
  </jiameterd-peer-remote-port>
  <jiameterd-peer-remote-realm>
    jiameterd-peer-remote-realm
  </jiameterd-peer-remote-realm>
  <jiameterd-peer-remote-host>
    jiameterd-peer-remote-host
  </jiameterd-peer-remote-host>
</jiameterd-peer-brief>
```

**Description** Peer brief

### <jiameterd-peer-brief>

#### Usage

```
<jiameterd-peer-information>
```

```

<jdiameterd-peer-brief>
  <jdiameterd-peer-name>
    jdiameterd-peer-name
  </jdiameterd-peer-name>
  <jdiameterd-instance-name>
    jdiameterd-instance-name
  </jdiameterd-instance-name>
  <jdiameterd-peer-state>
    jdiameterd-peer-state
  </jdiameterd-peer-state>
  <jdiameterd-peer-network-element-count>
    jdiameterd-peer-network-element-count
  </jdiameterd-peer-network-element-count>
  <jdiameterd-peer-activated-count>
    jdiameterd-peer-activated-count
  </jdiameterd-peer-activated-count>
  <jdiameterd-peer-primary-count>
    jdiameterd-peer-primary-count
  </jdiameterd-peer-primary-count>
  <jdiameterd-peer-secondary-count>
    jdiameterd-peer-secondary-count
  </jdiameterd-peer-secondary-count>
  <jdiameterd-peer-vrf>
    jdiameterd-peer-vrf
  </jdiameterd-peer-vrf>
  <jdiameterd-peer-remote-address>
    jdiameterd-peer-remote-address
  </jdiameterd-peer-remote-address>
  <jdiameterd-peer-remote-port>
    jdiameterd-peer-remote-port
  </jdiameterd-peer-remote-port>
  <jdiameterd-peer-remote-realm>
    jdiameterd-peer-remote-realm
  </jdiameterd-peer-remote-realm>
  <jdiameterd-peer-remote-host>
    jdiameterd-peer-remote-host
  </jdiameterd-peer-remote-host>
</jdiameterd-peer-brief>
</jdiameterd-peer-information>

```

**Description** Peer brief

## <jdiameterd-peer-data>

### Usage

```

<jdiameterd-peer-data>
  <jdiameterd-peer-name>
    jdiameterd-peer-name
  </jdiameterd-peer-name>
  <jdiameterd-instance-name>
    jdiameterd-instance-name
  </jdiameterd-instance-name>
  <jdiameterd-peer-state>
    jdiameterd-peer-state

```

```
</jdiameterd-peer-state>
<jdiameterd-peer-network-element-count>
  jdiameterd-peer-network-element-count
</jdiameterd-peer-network-element-count>
<jdiameterd-peer-activated-count>
  jdiameterd-peer-activated-count
</jdiameterd-peer-activated-count>
<jdiameterd-peer-primary-count>
  jdiameterd-peer-primary-count
</jdiameterd-peer-primary-count>
<jdiameterd-peer-secondary-count>
  jdiameterd-peer-secondary-count
</jdiameterd-peer-secondary-count>
<jdiameterd-peer-vrf>
  jdiameterd-peer-vrf
</jdiameterd-peer-vrf>
<jdiameterd-peer-remote-address>
  jdiameterd-peer-remote-address
</jdiameterd-peer-remote-address>
<jdiameterd-peer-remote-port>
  jdiameterd-peer-remote-port
</jdiameterd-peer-remote-port>
<jdiameterd-peer-remote-realm>
  jdiameterd-peer-remote-realm
</jdiameterd-peer-remote-realm>
<jdiameterd-peer-remote-host>
  jdiameterd-peer-remote-host
</jdiameterd-peer-remote-host>
<jdiameterd-peer-local-address>
  jdiameterd-peer-local-address
</jdiameterd-peer-local-address>
<jdiameterd-peer-local-port>
  jdiameterd-peer-local-port
</jdiameterd-peer-local-port>
<jdiameterd-peer-local-transport>
  jdiameterd-peer-local-transport
</jdiameterd-peer-local-transport>
<jdiameterd-peer-post-enable-time>
  jdiameterd-peer-post-enable-time
</jdiameterd-peer-post-enable-time>
<jdiameterd-peer-in-state-time>
  jdiameterd-peer-in-state-time
</jdiameterd-peer-in-state-time>
<jdiameterd-peer-in-state-remain-time>
  jdiameterd-peer-in-state-remain-time
</jdiameterd-peer-in-state-remain-time>
<jdiameterd-peer-missed-watch-dogs>
  jdiameterd-peer-missed-watch-dogs
</jdiameterd-peer-missed-watch-dogs>
<jdiameterd-peer-transmission-queue-length>
  jdiameterd-peer-transmission-queue-length
</jdiameterd-peer-transmission-queue-length>
<jdiameterd-peer-answer-count>
  jdiameterd-peer-answer-count
</jdiameterd-peer-answer-count>
<jdiameterd-peer-post-rx-time>
```



```

    jdiameterd-peer-post-rx-time
  </jdiameterd-peer-post-rx-time>
  <jdiameterd-peer-post-rx-remain>
    jdiameterd-peer-post-rx-remain
  </jdiameterd-peer-post-rx-remain>
  <jdiameterd-peer-op-timeout>
    jdiameterd-peer-op-timeout
  </jdiameterd-peer-op-timeout>
  <jdiameterd-peer-suspended-timeout>
    jdiameterd-peer-suspended-timeout
  </jdiameterd-peer-suspended-timeout>
  <jdiameterd-peer-closed-timeout>
    jdiameterd-peer-closed-timeout
  </jdiameterd-peer-closed-timeout>
  <jdiameterd-peer-connect-timeout>
    jdiameterd-peer-connect-timeout
  </jdiameterd-peer-connect-timeout>
</jdiameterd-peer-data>

```

**Description** Peer information

## <jdiameterd-peer-data>

### Usage

```

<jdiameterd-peer-information>
  <jdiameterd-peer-data>
    <jdiameterd-peer-name>
      jdiameterd-peer-name
    </jdiameterd-peer-name>
    <jdiameterd-instance-name>
      jdiameterd-instance-name
    </jdiameterd-instance-name>
    <jdiameterd-peer-state>
      jdiameterd-peer-state
    </jdiameterd-peer-state>
    <jdiameterd-peer-network-element-count>
      jdiameterd-peer-network-element-count
    </jdiameterd-peer-network-element-count>
    <jdiameterd-peer-activated-count>
      jdiameterd-peer-activated-count
    </jdiameterd-peer-activated-count>
    <jdiameterd-peer-primary-count>
      jdiameterd-peer-primary-count
    </jdiameterd-peer-primary-count>
    <jdiameterd-peer-secondary-count>
      jdiameterd-peer-secondary-count
    </jdiameterd-peer-secondary-count>
    <jdiameterd-peer-vrf>
      jdiameterd-peer-vrf
    </jdiameterd-peer-vrf>
    <jdiameterd-peer-remote-address>
      jdiameterd-peer-remote-address
    </jdiameterd-peer-remote-address>
    <jdiameterd-peer-remote-port>

```

```
    jdiameterd-peer-remote-port
  </jdiameterd-peer-remote-port>
  <jdiameterd-peer-remote-realm>
    jdiameterd-peer-remote-realm
  </jdiameterd-peer-remote-realm>
  <jdiameterd-peer-remote-host>
    jdiameterd-peer-remote-host
  </jdiameterd-peer-remote-host>
  <jdiameterd-peer-local-address>
    jdiameterd-peer-local-address
  </jdiameterd-peer-local-address>
  <jdiameterd-peer-local-port>
    jdiameterd-peer-local-port
  </jdiameterd-peer-local-port>
  <jdiameterd-peer-local-transport>
    jdiameterd-peer-local-transport
  </jdiameterd-peer-local-transport>
  <jdiameterd-peer-post-enable-time>
    jdiameterd-peer-post-enable-time
  </jdiameterd-peer-post-enable-time>
  <jdiameterd-peer-in-state-time>
    jdiameterd-peer-in-state-time
  </jdiameterd-peer-in-state-time>
  <jdiameterd-peer-in-state-remain-time>
    jdiameterd-peer-in-state-remain-time
  </jdiameterd-peer-in-state-remain-time>
  <jdiameterd-peer-missed-watch-dogs>
    jdiameterd-peer-missed-watch-dogs
  </jdiameterd-peer-missed-watch-dogs>
  <jdiameterd-peer-transmission-queue-length>
    jdiameterd-peer-transmission-queue-length
  </jdiameterd-peer-transmission-queue-length>
  <jdiameterd-peer-answer-count>
    jdiameterd-peer-answer-count
  </jdiameterd-peer-answer-count>
  <jdiameterd-peer-post-rx-time>
    jdiameterd-peer-post-rx-time
  </jdiameterd-peer-post-rx-time>
  <jdiameterd-peer-post-rx-remain>
    jdiameterd-peer-post-rx-remain
  </jdiameterd-peer-post-rx-remain>
  <jdiameterd-peer-op-timeout>
    jdiameterd-peer-op-timeout
  </jdiameterd-peer-op-timeout>
  <jdiameterd-peer-suspended-timeout>
    jdiameterd-peer-suspended-timeout
  </jdiameterd-peer-suspended-timeout>
  <jdiameterd-peer-closed-timeout>
    jdiameterd-peer-closed-timeout
  </jdiameterd-peer-closed-timeout>
  <jdiameterd-peer-connect-timeout>
    jdiameterd-peer-connect-timeout
  </jdiameterd-peer-connect-timeout>
</jdiameterd-peer-data>
</jdiameterd-peer-information>
```

**Description** Peer information

### <jdiameterd-peer-error>

#### Usage

```
<jdiameterd-peer-information>
  <jdiameterd-peer-error>
</jdiameterd-peer-error>
</jdiameterd-peer-information>
```

#### Description

### <jdiameterd-peer-information>

#### Usage

```
<jdiameterd-peer-information>
  <jdiameterd-peer-list>....</jdiameterd-peer-list>
  <jdiameterd-peer-brief>....</jdiameterd-peer-brief>
  <jdiameterd-peer-data>....</jdiameterd-peer-data>
  <jdiameterd-peer-not-found>
    jdiameterd-peer-not-found
  </jdiameterd-peer-not-found>
  <jdiameterd-peer-error>....</jdiameterd-peer-error>
</jdiameterd-peer-information>
```

**Description** Diameter peer informaiton

### <jdiameterd-peer-list>

#### Usage

```
<jdiameterd-peer-list>
  <jdiameterd-peer-name>
    jdiameterd-peer-name
  </jdiameterd-peer-name>
  <jdiameterd-peer-instance-name>
    jdiameterd-peer-instance-name
  </jdiameterd-peer-instance-name>
  <jdiameterd-peer-state>
    jdiameterd-peer-state
  </jdiameterd-peer-state>
  <jdiameterd-peer-network-element-count>
    jdiameterd-peer-network-element-count
  </jdiameterd-peer-network-element-count>
  <jdiameterd-peer-activated-count>
    jdiameterd-peer-activated-count
  </jdiameterd-peer-activated-count>
  <jdiameterd-peer-primary-count>
    jdiameterd-peer-primary-count
  </jdiameterd-peer-primary-count>
  <jdiameterd-peer-secondary-count>
    jdiameterd-peer-secondary-count
  </jdiameterd-peer-secondary-count>
```

</jiameterd-peer-list>

**Description**    Diameter peers

### <jiameterd-peer-list>

#### Usage

```
<jiameterd-node-information>
  <jiameterd-peer-list>
    <jiameterd-peer-name>
      jiameterd-peer-name
    </jiameterd-peer-name>
    <jiameterd-peer-instance-name>
      jiameterd-peer-instance-name
    </jiameterd-peer-instance-name>
    <jiameterd-peer-state>
      jiameterd-peer-state
    </jiameterd-peer-state>
    <jiameterd-peer-network-element-count>
      jiameterd-peer-network-element-count
    </jiameterd-peer-network-element-count>
    <jiameterd-peer-activated-count>
      jiameterd-peer-activated-count
    </jiameterd-peer-activated-count>
    <jiameterd-peer-primary-count>
      jiameterd-peer-primary-count
    </jiameterd-peer-primary-count>
    <jiameterd-peer-secondary-count>
      jiameterd-peer-secondary-count
    </jiameterd-peer-secondary-count>
  </jiameterd-peer-list>
</jiameterd-node-information>
```

**Description**    Diameter peers

### <jiameterd-peer-list>

#### Usage

```
<jiameterd-peer-information>
  <jiameterd-peer-list>
    <jiameterd-peer-name>
      jiameterd-peer-name
    </jiameterd-peer-name>
    <jiameterd-peer-instance-name>
      jiameterd-peer-instance-name
    </jiameterd-peer-instance-name>
    <jiameterd-peer-state>
      jiameterd-peer-state
    </jiameterd-peer-state>
    <jiameterd-peer-network-element-count>
      jiameterd-peer-network-element-count
    </jiameterd-peer-network-element-count>
```

```

<jdiameterd-peer-activated-count>
  jdiameterd-peer-activated-count
</jdiameterd-peer-activated-count>
<jdiameterd-peer-primary-count>
  jdiameterd-peer-primary-count
</jdiameterd-peer-primary-count>
<jdiameterd-peer-secondary-count>
  jdiameterd-peer-secondary-count
</jdiameterd-peer-secondary-count>
</jdiameterd-peer-list>
</jdiameterd-peer-information>

```

**Description** Diameter peers

### <jdiameterd-peer-map-data>

#### Usage

```

<jdiameterd-peer-map-data>
  <jdiameterd-peer-name>
    jdiameterd-peer-name
  </jdiameterd-peer-name>
  <jdiameterd-peer-instance-name>
    jdiameterd-peer-instance-name
  </jdiameterd-peer-instance-name>
  <jdiameterd-peer-network-element-name>
    jdiameterd-peer-network-element-name
  </jdiameterd-peer-network-element-name>
  <jdiameterd-peer-network-element-priority>
    jdiameterd-peer-network-element-priority
  </jdiameterd-peer-network-element-priority>
  <jdiameterd-peer-network-element-usage>
    jdiameterd-peer-network-element-usage
  </jdiameterd-peer-network-element-usage>
</jdiameterd-peer-map-data>

```

**Description** Diameter peers used by network-elements

### <jdiameterd-peer-map-data>

#### Usage

```

<jdiameterd-peer-map-information>
  <jdiameterd-peer-map-data>
    <jdiameterd-peer-name>
      jdiameterd-peer-name
    </jdiameterd-peer-name>
    <jdiameterd-peer-instance-name>
      jdiameterd-peer-instance-name
    </jdiameterd-peer-instance-name>
    <jdiameterd-peer-network-element-name>
      jdiameterd-peer-network-element-name
    </jdiameterd-peer-network-element-name>
    <jdiameterd-peer-network-element-priority>

```

```
    jdiameterd-peer-network-element-priority
  </jdiameterd-peer-network-element-priority>
  <jdiameterd-peer-network-element-usage>
    jdiameterd-peer-network-element-usage
  </jdiameterd-peer-network-element-usage>
</jdiameterd-peer-map-data>
</jdiameterd-peer-map-information>
```

**Description** Diameter peers used by network-elements

### <jdiameterd-peer-map-error>

#### Usage

```
<jdiameterd-peer-map-information>
  <jdiameterd-peer-map-error>
</jdiameterd-peer-map-error>
</jdiameterd-peer-map-information>
```

**Description**

### <jdiameterd-peer-map-information>

#### Usage

```
<jdiameterd-peer-map-information>
  <jdiameterd-peer-map-list>....</jdiameterd-peer-map-list>
  <jdiameterd-peer-map-data>....</jdiameterd-peer-map-data>
  <jdiameterd-peer-map-not-found>
    jdiameterd-peer-map-not-found
  </jdiameterd-peer-map-not-found>
  <jdiameterd-peer-map-error>....</jdiameterd-peer-map-error>
</jdiameterd-peer-map-information>
```

**Description** Diameter peer map informaiton

### <jdiameterd-peer-map-list>

#### Usage

```
<jdiameterd-peer-map-list>
  <jdiameterd-peer-name>
    jdiameterd-peer-name
  </jdiameterd-peer-name>
  <jdiameterd-peer-instance-name>
    jdiameterd-peer-instance-name
  </jdiameterd-peer-instance-name>
  <jdiameterd-peer-network-element-name>
    jdiameterd-peer-network-element-name
  </jdiameterd-peer-network-element-name>
  <jdiameterd-peer-network-element-priority>
    jdiameterd-peer-network-element-priority
  </jdiameterd-peer-network-element-priority>
  <jdiameterd-peer-network-element-usage>
```

```

    jdiameterd-peer-network-element-usage
  </jdiameterd-peer-network-element-usage>
</jdiameterd-peer-map-list>

```

**Description** Diameter peers used by network-elements

### <jdiameterd-peer-map-list>

#### Usage

```

<jdiameterd-peer-map-information>
  <jdiameterd-peer-map-list>
    <jdiameterd-peer-name>
      jdiameterd-peer-name
    </jdiameterd-peer-name>
    <jdiameterd-peer-instance-name>
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    </jdiameterd-peer-instance-name>
    <jdiameterd-peer-network-element-name>
      jdiameterd-peer-network-element-name
    </jdiameterd-peer-network-element-name>
    <jdiameterd-peer-network-element-priority>
      jdiameterd-peer-network-element-priority
    </jdiameterd-peer-network-element-priority>
    <jdiameterd-peer-network-element-usage>
      jdiameterd-peer-network-element-usage
    </jdiameterd-peer-network-element-usage>
  </jdiameterd-peer-map-list>
</jdiameterd-peer-map-information>

```

**Description** Diameter peers used by network-elements

### <jdiameterd-peer-statistics-brief>

#### Usage

```

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  <jdiameterd-peer-name>
    jdiameterd-peer-name
  </jdiameterd-peer-name>
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    jdiameterd-peer-instance-name
  </jdiameterd-peer-instance-name>
  <jdiameterd-peer-receive-errors>
    jdiameterd-peer-receive-errors
  </jdiameterd-peer-receive-errors>
  <jdiameterd-peer-receive-successes>
    jdiameterd-peer-receive-successes
  </jdiameterd-peer-receive-successes>
  <jdiameterd-peer-receive-messages-handled-by-peer>
    jdiameterd-peer-receive-messages-handled-by-peer
  </jdiameterd-peer-receive-messages-handled-by-peer>
  <jdiameterd-peer-receive-messages-dropped>
    jdiameterd-peer-receive-messages-dropped

```

```
</jdiameterd-peer-receive-messages-dropped>
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</jdiameterd-peer-received-answers>
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</jdiameterd-peer-forwarding-successes>
<jdiameterd-peer-forwarding-moved-in-messages>
```



```
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</jdiameterd-peer-transmit-errors-total>
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</jdiameterd-peer-receive-blocking-timeouts>
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</jdiameterd-peer-receive-blocking-requests-total>
<jdiameterd-peer-receive-blocking-timeouts-total>
  jdiameterd-peer-receive-blocking-timeouts-total
```

```
</jdiameterd-peer-receive-blocking-timeouts-total>
</jdiameterd-peer-statistics-brief>
```

**Description** Peer statistics

### <jdiameterd-peer-statistics-brief>

#### Usage

```
<jdiameterd-peer-statistics-information>
<jdiameterd-peer-statistics-brief>
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    jdiameterd-peer-receive-errors
  </jdiameterd-peer-receive-errors>
  <jdiameterd-peer-receive-successes>
    jdiameterd-peer-receive-successes
  </jdiameterd-peer-receive-successes>
  <jdiameterd-peer-receive-messages-handled-by-peer>
    jdiameterd-peer-receive-messages-handled-by-peer
  </jdiameterd-peer-receive-messages-handled-by-peer>
  <jdiameterd-peer-receive-messages-dropped>
    jdiameterd-peer-receive-messages-dropped
  </jdiameterd-peer-receive-messages-dropped>
  <jdiameterd-peer-receive-answers-dropped>
    jdiameterd-peer-receive-answers-dropped
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  <jdiameterd-peer-received-answers>
    jdiameterd-peer-received-answers
  </jdiameterd-peer-received-answers>
  <jdiameterd-peer-received-requests>
    jdiameterd-peer-received-requests
  </jdiameterd-peer-received-requests>
  <jdiameterd-peer-receive-messages-delivered-to-node>
    jdiameterd-peer-receive-messages-delivered-to-node
  </jdiameterd-peer-receive-messages-delivered-to-node>
  <jdiameterd-peer-receive-errors-total>
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    jdiameterd-peer-receive-successes-total
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  <jdiameterd-peer-receive-messages-handled-by-peer-total>
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  </jdiameterd-peer-receive-messages-handled-by-peer-total>
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  </jdiameterd-peer-receive-messages-dropped-total>
  <jdiameterd-peer-receive-answers-dropped-total>
    jdiameterd-peer-receive-answers-dropped-total
```

```
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```

```
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```

```

<jdiameterd-peer-connection-failures-total>
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</jdiameterd-peer-receive-blocking-timeouts-total>
</jdiameterd-peer-statistics-brief>
</jdiameterd-peer-statistics-information>

```

**Description** Peer statistics

## <jdiameterd-peer-statistics-data>

### Usage

```

<jdiameterd-peer-statistics-data>
  <jdiameterd-peer-receive-errors>
    jdiameterd-peer-receive-errors
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  </jdiameterd-peer-receive-successes>
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    jdiameterd-peer-receive-messages-handled-by-peer
  </jdiameterd-peer-receive-messages-handled-by-peer>
  <jdiameterd-peer-receive-messages-dropped>
    jdiameterd-peer-receive-messages-dropped
  </jdiameterd-peer-receive-messages-dropped>
  <jdiameterd-peer-receive-answers-dropped>
    jdiameterd-peer-receive-answers-dropped
  </jdiameterd-peer-receive-answers-dropped>

```

```
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**Description** Peer statistics

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### Usage

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</jdiaterd-peer-statistics-information>

```

**Description** Peer statistics

### <jdiameterd-peer-statistics-error>

**Usage**

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<jdiameterd-peer-statistics-information>
  <jdiameterd-peer-statistics-error>
</jdiameterd-peer-statistics-error>
</jdiameterd-peer-statistics-information>
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**Description**

### <jdiameterd-peer-statistics-information>

**Usage**

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  <jdiameterd-peer-statistics-data>....</jdiameterd-peer-statistics-data>
  <jdiameterd-peer-statistics-not-found>
    jdiameterd-peer-statistics-not-found
  </jdiameterd-peer-statistics-not-found>
  <jdiameterd-peer-statistics-error>....</jdiameterd-peer-statistics-error>
</jdiameterd-peer-statistics-information>
```

**Description** Diameter peer statistics

### <jdiameterd-peer-statistics-list>

**Usage**

```
<jdiameterd-peer-statistics-list>
  <jdiameterd-peer-name>
    jdiameterd-peer-name
  </jdiameterd-peer-name>
  <jdiameterd-peer-instance-name>
    jdiameterd-peer-instance-name
  </jdiameterd-peer-instance-name>
  <jdiameterd-peer-receive-successes>
    jdiameterd-peer-receive-successes
  </jdiameterd-peer-receive-successes>
  <jdiameterd-peer-receive-messages-handled-by-peer>
    jdiameterd-peer-receive-messages-handled-by-peer
  </jdiameterd-peer-receive-messages-handled-by-peer>
  <jdiameterd-peer-receive-messages-delivered-to-node>
    jdiameterd-peer-receive-messages-delivered-to-node
  </jdiameterd-peer-receive-messages-delivered-to-node>
  <jdiameterd-peer-forwarding-successes>
    jdiameterd-peer-forwarding-successes
  </jdiameterd-peer-forwarding-successes>
  <jdiameterd-peer-messages-transmitted-by-self>
    jdiameterd-peer-messages-transmitted-by-self
  </jdiameterd-peer-messages-transmitted-by-self>
  <jdiameterd-peer-transmit-successes>
```



```

    jdiameterd-peer-transmit-successes
  </jdiameterd-peer-transmit-successes>
</jdiameterd-peer-statistics-list>

```

**Description** Peer statistics summary

## <jdiameterd-peer-statistics-list>

### Usage

```

<jdiameterd-peer-statistics-information>
  <jdiameterd-peer-statistics-list>
    <jdiameterd-peer-name>
      jdiameterd-peer-name
    </jdiameterd-peer-name>
    <jdiameterd-peer-instance-name>
      jdiameterd-peer-instance-name
    </jdiameterd-peer-instance-name>
    <jdiameterd-peer-receive-successes>
      jdiameterd-peer-receive-successes
    </jdiameterd-peer-receive-successes>
    <jdiameterd-peer-receive-messages-handled-by-peer>
      jdiameterd-peer-receive-messages-handled-by-peer
    </jdiameterd-peer-receive-messages-handled-by-peer>
    <jdiameterd-peer-receive-messages-delivered-to-node>
      jdiameterd-peer-receive-messages-delivered-to-node
    </jdiameterd-peer-receive-messages-delivered-to-node>
    <jdiameterd-peer-forwarding-successes>
      jdiameterd-peer-forwarding-successes
    </jdiameterd-peer-forwarding-successes>
    <jdiameterd-peer-messages-transmitted-by-self>
      jdiameterd-peer-messages-transmitted-by-self
    </jdiameterd-peer-messages-transmitted-by-self>
    <jdiameterd-peer-transmit-successes>
      jdiameterd-peer-transmit-successes
    </jdiameterd-peer-transmit-successes>
  </jdiameterd-peer-statistics-list>
</jdiameterd-peer-statistics-information>

```

**Description** Peer statistics summary

## <jdiameterd-route-brief>

### Usage

```

<jdiameterd-route-brief>
  <jdiameterd-route-name>
    jdiameterd-route-name
  </jdiameterd-route-name>
  <jdiameterd-route-network-element-name>
    jdiameterd-route-network-element-name
  </jdiameterd-route-network-element-name>
  <jdiameterd-route-instance-name>
    jdiameterd-route-instance-name
  </jdiameterd-route-instance-name>
</jdiameterd-route-brief>

```

```
</jdiameterd-route-instance-name>
<jdiameterd-route-valid>
  jdiameterd-route-valid
</jdiameterd-route-valid>
<jdiameterd-route-up>
  jdiameterd-route-up
</jdiameterd-route-up>
</jdiameterd-route-brief>
```

**Description** Diameter routes

### <jdiameterd-route-brief>

#### Usage

```
<jdiameterd-route-information>
<jdiameterd-route-brief>
  <jdiameterd-route-name>
    jdiameterd-route-name
  </jdiameterd-route-name>
  <jdiameterd-route-network-element-name>
    jdiameterd-route-network-element-name
  </jdiameterd-route-network-element-name>
  <jdiameterd-route-instance-name>
    jdiameterd-route-instance-name
  </jdiameterd-route-instance-name>
  <jdiameterd-route-valid>
    jdiameterd-route-valid
  </jdiameterd-route-valid>
  <jdiameterd-route-up>
    jdiameterd-route-up
  </jdiameterd-route-up>
</jdiameterd-route-brief>
</jdiameterd-route-information>
```

**Description** Diameter routes

### <jdiameterd-route-data>

#### Usage

```
<jdiameterd-route-data>
<jdiameterd-route-name>
  jdiameterd-route-name
</jdiameterd-route-name>
<jdiameterd-route-network-element-name>
  jdiameterd-route-network-element-name
</jdiameterd-route-network-element-name>
<jdiameterd-route-instance-name>
  jdiameterd-route-instance-name
</jdiameterd-route-instance-name>
<jdiameterd-route-valid>
  jdiameterd-route-valid
</jdiameterd-route-valid>
```

```

<jdiameterd-route-up>
  jdiameterd-route-up
</jdiameterd-route-up>
<jdiameterd-route-function>
  jdiameterd-route-function
</jdiameterd-route-function>
<jdiameterd-route-function-part>
  jdiameterd-route-function-part
</jdiameterd-route-function-part>
<jdiameterd-route-dest-realm>
  jdiameterd-route-dest-realm
</jdiameterd-route-dest-realm>
<jdiameterd-route-dest-host>
  jdiameterd-route-dest-host
</jdiameterd-route-dest-host>
<jdiameterd-route-metric>
  jdiameterd-route-metric
</jdiameterd-route-metric>
<jdiameterd-route-score>
  jdiameterd-route-score
</jdiameterd-route-score>
</jdiameterd-route-data>

```

**Description** Diameter routes

### <jdiameterd-route-data>

#### Usage

```

<jdiameterd-route-information>
  <jdiameterd-route-data>
    <jdiameterd-route-name>
      jdiameterd-route-name
    </jdiameterd-route-name>
    <jdiameterd-route-network-element-name>
      jdiameterd-route-network-element-name
    </jdiameterd-route-network-element-name>
    <jdiameterd-route-instance-name>
      jdiameterd-route-instance-name
    </jdiameterd-route-instance-name>
    <jdiameterd-route-valid>
      jdiameterd-route-valid
    </jdiameterd-route-valid>
    <jdiameterd-route-up>
      jdiameterd-route-up
    </jdiameterd-route-up>
    <jdiameterd-route-function>
      jdiameterd-route-function
    </jdiameterd-route-function>
    <jdiameterd-route-function-part>
      jdiameterd-route-function-part
    </jdiameterd-route-function-part>
    <jdiameterd-route-dest-realm>
      jdiameterd-route-dest-realm
    </jdiameterd-route-dest-realm>
  </jdiameterd-route-data>
</jdiameterd-route-information>

```

```
<jdiameterd-route-dest-host>
  jdiameterd-route-dest-host
</jdiameterd-route-dest-host>
<jdiameterd-route-metric>
  jdiameterd-route-metric
</jdiameterd-route-metric>
<jdiameterd-route-score>
  jdiameterd-route-score
</jdiameterd-route-score>
</jdiameterd-route-data>
</jdiameterd-route-information>
```

**Description** Diameter routes

### <jdiameterd-route-error>

#### Usage

```
<jdiameterd-route-information>
  <jdiameterd-route-error>
</jdiameterd-route-error>
</jdiameterd-route-information>
```

#### Description

### <jdiameterd-route-information>

#### Usage

```
<jdiameterd-route-information>
  <jdiameterd-route-list>....</jdiameterd-route-list>
  <jdiameterd-route-brief>....</jdiameterd-route-brief>
  <jdiameterd-route-data>....</jdiameterd-route-data>
  <jdiameterd-route-not-found>
    jdiameterd-route-not-found
  </jdiameterd-route-not-found>
  <jdiameterd-route-error>....</jdiameterd-route-error>
</jdiameterd-route-information>
```

**Description** Diameter route information

### <jdiameterd-route-list>

#### Usage

```
<jdiameterd-route-list>
  <jdiameterd-route-name>
    jdiameterd-route-name
  </jdiameterd-route-name>
  <jdiameterd-route-network-element-name>
    jdiameterd-route-network-element-name
  </jdiameterd-route-network-element-name>
  <jdiameterd-route-instance-name>
    jdiameterd-route-instance-name
```

```

</jdiameterd-route-instance-name>
<jdiameterd-route-valid>
  jdiameterd-route-valid
</jdiameterd-route-valid>
<jdiameterd-route-up>
  jdiameterd-route-up
</jdiameterd-route-up>
</jdiameterd-route-list>

```

**Description** Diameter routes

### <jdiameterd-route-list>

#### Usage

```

<jdiameterd-node-information>
  <jdiameterd-route-list>
    <jdiameterd-route-name>
      jdiameterd-route-name
    </jdiameterd-route-name>
    <jdiameterd-route-network-element-name>
      jdiameterd-route-network-element-name
    </jdiameterd-route-network-element-name>
    <jdiameterd-route-instance-name>
      jdiameterd-route-instance-name
    </jdiameterd-route-instance-name>
    <jdiameterd-route-valid>
      jdiameterd-route-valid
    </jdiameterd-route-valid>
    <jdiameterd-route-up>
      jdiameterd-route-up
    </jdiameterd-route-up>
  </jdiameterd-route-list>
</jdiameterd-node-information>

```

**Description** Diameter routes

### <jdiameterd-route-list>

#### Usage

```

<jdiameterd-route-information>
  <jdiameterd-route-list>
    <jdiameterd-route-name>
      jdiameterd-route-name
    </jdiameterd-route-name>
    <jdiameterd-route-network-element-name>
      jdiameterd-route-network-element-name
    </jdiameterd-route-network-element-name>
    <jdiameterd-route-instance-name>
      jdiameterd-route-instance-name
    </jdiameterd-route-instance-name>
    <jdiameterd-route-valid>
      jdiameterd-route-valid

```

```
</jdiameterd-route-valid>
<jdiameterd-route-up>
  jdiameterd-route-up
</jdiameterd-route-up>
</jdiameterd-route-list>
</jdiameterd-route-information>
```

**Description** Diameter routes

---

## Summary of JNX Example Response Tags

### <jnx-example-data>

**Usage**

```
<jnx-example-data-information>
  <jnx-example-data>
    <jnx-example-data-name>
      jnx-example-data-name
    </jnx-example-data-name>
    <jnx-example-data-description>
      jnx-example-data-description
    </jnx-example-data-description>
    <jnx-example-data-type>
      jnx-example-data-type
    </jnx-example-data-type>
    <jnx-example-data-value>
      jnx-example-data-value
    </jnx-example-data-value>
  </jnx-example-data>
</jnx-example-data-information>
```

**Description**

### <jnx-example-data-information>

**Usage**

```
<jnx-example-data-information>
  <jnx-example-data>....</jnx-example-data>
</jnx-example-data-information>
```

**Description**

### <jnx-example-statistics>

**Usage**

```
<jnx-example-statistics>
  <cpu-usage>
    cpu-usage
  </cpu-usage>
  <memory-usage>
    memory-usage
  </memory-usage>
```

```
</jnx-example-statistics>
```

#### Description

### Summary of Layer 2 Address Learning Response Tags

---

#### <bridge-statistics-information>

##### Usage

```
<bridge-statistics-information>
  <l2ald-rtb-entry>....</l2ald-rtb-entry>
  <interface-statistics>....</interface-statistics>
</bridge-statistics-information>
```

#### Description

#### <flood-nh-components>

##### Usage

```
<flood-nh-components>
  <interface-name>
    interface-name
  </interface-name>
  <interface-type>
    interface-type
  </interface-type>
  <nhtype>
    nhtype
  </nhtype>
  <nhindex>
    nhindex
  </nhindex>
</flood-nh-components>
```

#### Description

#### <flood-nh-components>

##### Usage

```
<flood-nh-group>
  <flood-nh-components>
    <interface-name>
      interface-name
    </interface-name>
    <interface-type>
      interface-type
    </interface-type>
    <nhtype>
      nhtype
    </nhtype>
    <nhindex>
      nhindex
    </nhindex>
```

```
</flood-nh-components>
</flood-nh-group>
```

#### Description

**<flood-nh-components>**

#### Usage

```
<flood-route>
  <flood-nh-components>
    <interface-name>
      interface-name
    </interface-name>
    <interface-type>
      interface-type
    </interface-type>
    <nhtype>
      nhtype
    </nhtype>
    <nhindex>
      nhindex
    </nhindex>
  </flood-nh-components>
</flood-route>
```

#### Description

**<flood-nh-components>**

#### Usage

```
<flood-route>
  <flood-nh-group>
    <flood-nh-components>
      <interface-name>
        interface-name
      </interface-name>
      <interface-type>
        interface-type
      </interface-type>
      <nhtype>
        nhtype
      </nhtype>
      <nhindex>
        nhindex
      </nhindex>
    </flood-nh-components>
  </flood-nh-group>
</flood-route>
```

#### Description



**<flood-nh-components>****Usage**

```

<l2ald-vpls-flood-instance-information>
<flood-route>
  <flood-nh-components>
    <interface-name>
      interface-name
    </interface-name>
    <interface-type>
      interface-type
    </interface-type>
    <nhtype>
      nhtype
    </nhtype>
    <nhindex>
      nhindex
    </nhindex>
  </flood-nh-components>
</flood-route>
</l2ald-vpls-flood-instance-information>

```

**Description****<flood-nh-components>****Usage**

```

<l2ald-vpls-flood-instance-information>
<flood-route>
  <flood-nh-group>
    <flood-nh-components>
      <interface-name>
        interface-name
      </interface-name>
      <interface-type>
        interface-type
      </interface-type>
      <nhtype>
        nhtype
      </nhtype>
      <nhindex>
        nhindex
      </nhindex>
    </flood-nh-components>
  </flood-nh-group>
</flood-route>
</l2ald-vpls-flood-instance-information>

```

**Description**

## <flood-nh-components>

### Usage

```
<l2ald-vpls-lr-information>
<l2ald-vpls-flood-instance-information>
  <flood-route>
    <flood-nh-components>
      <interface-name>
        interface-name
      </interface-name>
      <interface-type>
        interface-type
      </interface-type>
      <nhtype>
        nhtype
      </nhtype>
      <nhindex>
        nhindex
      </nhindex>
    </flood-nh-components>
  </flood-route>
</l2ald-vpls-flood-instance-information>
</l2ald-vpls-lr-information>
```

### Description

## <flood-nh-components>

### Usage

```
<l2ald-vpls-lr-information>
<l2ald-vpls-flood-instance-information>
  <flood-route>
    <flood-nh-group>
      <flood-nh-components>
        <interface-name>
          interface-name
        </interface-name>
        <interface-type>
          interface-type
        </interface-type>
        <nhtype>
          nhtype
        </nhtype>
        <nhindex>
          nhindex
        </nhindex>
      </flood-nh-components>
    </flood-nh-group>
  </flood-route>
</l2ald-vpls-flood-instance-information>
</l2ald-vpls-lr-information>
```

### Description

**<flood-nh-components>****Usage**

```

<l2ald-vpls-flood-instance>
<l2ald-vpls-lr-information>
<l2ald-vpls-flood-instance-information>
  <flood-route>
    <flood-nh-components>
      <interface-name>
        interface-name
      </interface-name>
      <interface-type>
        interface-type
      </interface-type>
      <nhtype>
        nhtype
      </nhtype>
      <nhindex>
        nhindex
      </nhindex>
    </flood-nh-components>
  </flood-route>
</l2ald-vpls-flood-instance-information>
</l2ald-vpls-lr-information>
</l2ald-vpls-flood-instance>

```

**Description****<flood-nh-components>****Usage**

```

<l2ald-vpls-flood-instance>
<l2ald-vpls-lr-information>
<l2ald-vpls-flood-instance-information>
  <flood-route>
    <flood-nh-group>
      <flood-nh-components>
        <interface-name>
          interface-name
        </interface-name>
        <interface-type>
          interface-type
        </interface-type>
        <nhtype>
          nhtype
        </nhtype>
        <nhindex>
          nhindex
        </nhindex>
      </flood-nh-components>
    </flood-nh-group>
  </flood-route>
</l2ald-vpls-flood-instance-information>
</l2ald-vpls-lr-information>

```

```
</l2ald-vpls-flood-instance>
```

#### Description

### <flood-nh-components>

#### Usage

```
<l2ald-vpls-flood-route-information>
<flood-route>
  <flood-nh-components>
    <interface-name>
      interface-name
    </interface-name>
    <interface-type>
      interface-type
    </interface-type>
    <nhtype>
      nhtype
    </nhtype>
    <nhindex>
      nhindex
    </nhindex>
  </flood-nh-components>
</flood-route>
</l2ald-vpls-flood-route-information>
```

#### Description

### <flood-nh-components>

#### Usage

```
<l2ald-vpls-flood-route-information>
<flood-route>
  <flood-nh-group>
    <flood-nh-components>
      <interface-name>
        interface-name
      </interface-name>
      <interface-type>
        interface-type
      </interface-type>
      <nhtype>
        nhtype
      </nhtype>
      <nhindex>
        nhindex
      </nhindex>
    </flood-nh-components>
  </flood-nh-group>
</flood-route>
</l2ald-vpls-flood-route-information>
```

#### Description

**<flood-nh-components>****Usage**

```

<l2ald-bridge-domain-flood-instance-information>
<flood-route>
  <flood-nh-components>
    <interface-name>
      interface-name
    </interface-name>
    <interface-type>
      interface-type
    </interface-type>
    <nhtype>
      nhtype
    </nhtype>
    <nhindex>
      nhindex
    </nhindex>
  </flood-nh-components>
</flood-route>
</l2ald-bridge-domain-flood-instance-information>

```

**Description****<flood-nh-components>****Usage**

```

<l2ald-bridge-domain-flood-instance-information>
<flood-route>
  <flood-nh-group>
    <flood-nh-components>
      <interface-name>
        interface-name
      </interface-name>
      <interface-type>
        interface-type
      </interface-type>
      <nhtype>
        nhtype
      </nhtype>
      <nhindex>
        nhindex
      </nhindex>
    </flood-nh-components>
  </flood-nh-group>
</flood-route>
</l2ald-bridge-domain-flood-instance-information>

```

**Description**

## <flood-nh-components>

### Usage

```
<l2ald-bridge-domain-lr-information>
<l2ald-bridge-domain-flood-instance-information>
  <flood-route>
    <flood-nh-components>
      <interface-name>
        interface-name
      </interface-name>
      <interface-type>
        interface-type
      </interface-type>
      <nhtype>
        nhtype
      </nhtype>
      <nhindex>
        nhindex
      </nhindex>
    </flood-nh-components>
  </flood-route>
</l2ald-bridge-domain-flood-instance-information>
</l2ald-bridge-domain-lr-information>
```

### Description

## <flood-nh-components>

### Usage

```
<l2ald-bridge-domain-lr-information>
<l2ald-bridge-domain-flood-instance-information>
  <flood-route>
    <flood-nh-group>
      <flood-nh-components>
        <interface-name>
          interface-name
        </interface-name>
        <interface-type>
          interface-type
        </interface-type>
        <nhtype>
          nhtype
        </nhtype>
        <nhindex>
          nhindex
        </nhindex>
      </flood-nh-components>
    </flood-nh-group>
  </flood-route>
</l2ald-bridge-domain-flood-instance-information>
</l2ald-bridge-domain-lr-information>
```

### Description

**<flood-nh-components>****Usage**

```

<l2ald-bridge-domain-flood-instance>
<l2ald-bridge-domain-lr-information>
  <l2ald-bridge-domain-flood-instance-information>
    <flood-route>
      <flood-nh-components>
        <interface-name>
          interface-name
        </interface-name>
        <interface-type>
          interface-type
        </interface-type>
        <nhtype>
          nhtype
        </nhtype>
        <nhindex>
          nhindex
        </nhindex>
      </flood-nh-components>
    </flood-route>
  </l2ald-bridge-domain-flood-instance-information>
</l2ald-bridge-domain-lr-information>
</l2ald-bridge-domain-flood-instance>

```

**Description****<flood-nh-components>****Usage**

```

<l2ald-bridge-domain-flood-instance>
<l2ald-bridge-domain-lr-information>
  <l2ald-bridge-domain-flood-instance-information>
    <flood-route>
      <flood-nh-group>
        <flood-nh-components>
          <interface-name>
            interface-name
          </interface-name>
          <interface-type>
            interface-type
          </interface-type>
          <nhtype>
            nhtype
          </nhtype>
          <nhindex>
            nhindex
          </nhindex>
        </flood-nh-components>
      </flood-nh-group>
    </flood-route>
  </l2ald-bridge-domain-flood-instance-information>
</l2ald-bridge-domain-lr-information>

```

```
</l2ald-bridge-domain-flood-instance>
```

#### Description

### <flood-nh-components>

#### Usage

```
<l2ald-bridge-domain-flood-route-information>
<flood-route>
  <flood-nh-components>
    <interface-name>
      interface-name
    </interface-name>
    <interface-type>
      interface-type
    </interface-type>
    <nhtype>
      nhtype
    </nhtype>
    <nhindex>
      nhindex
    </nhindex>
  </flood-nh-components>
</flood-route>
</l2ald-bridge-domain-flood-route-information>
```

#### Description

### <flood-nh-components>

#### Usage

```
<l2ald-bridge-domain-flood-route-information>
<flood-route>
  <flood-nh-group>
    <flood-nh-components>
      <interface-name>
        interface-name
      </interface-name>
      <interface-type>
        interface-type
      </interface-type>
      <nhtype>
        nhtype
      </nhtype>
      <nhindex>
        nhindex
      </nhindex>
    </flood-nh-components>
  </flood-nh-group>
</flood-route>
</l2ald-bridge-domain-flood-route-information>
```

#### Description



## <flood-nh-group>

### Usage

```

<flood-nh-group>
  <flood-nh-group-name>
    flood-nh-group-name
  </flood-nh-group-name>
  <flood-nh-group-type>
    flood-nh-group-type
  </flood-nh-group-type>
  <nhtype>
    nhtype
  </nhtype>
  <nhindex>
    nhindex
  </nhindex>
  <flood-group-composite-function>
    flood-group-composite-function
  </flood-group-composite-function>
  <flood-nh-components>....</flood-nh-components>
  <flood-nh-p2mp-components>....</flood-nh-p2mp-components>
</flood-nh-group>

```

### Description

## <flood-nh-group>

### Usage

```

<flood-route>
  <flood-nh-group>
    <flood-nh-group-name>
      flood-nh-group-name
    </flood-nh-group-name>
    <flood-nh-group-type>
      flood-nh-group-type
    </flood-nh-group-type>
    <nhtype>
      nhtype
    </nhtype>
    <nhindex>
      nhindex
    </nhindex>
    <flood-group-composite-function>
      flood-group-composite-function
    </flood-group-composite-function>
    <flood-nh-components>....</flood-nh-components>
    <flood-nh-p2mp-components>....</flood-nh-p2mp-components>
  </flood-nh-group>
</flood-route>

```

### Description

## <flood-nh-group>

### Usage

```
<l2ald-vpls-flood-instance-information>
  <flood-route>
    <flood-nh-group>
      <flood-nh-group-name>
        flood-nh-group-name
      </flood-nh-group-name>
      <flood-nh-group-type>
        flood-nh-group-type
      </flood-nh-group-type>
      <nhtype>
        nhtype
      </nhtype>
      <nhindex>
        nhindex
      </nhindex>
      <flood-group-composite-function>
        flood-group-composite-function
      </flood-group-composite-function>
      <flood-nh-components>....</flood-nh-components>
      <flood-nh-p2mp-components>....</flood-nh-p2mp-components>
    </flood-nh-group>
  </flood-route>
</l2ald-vpls-flood-instance-information>
```

### Description

## <flood-nh-group>

### Usage

```
<l2ald-vpls-lr-information>
  <l2ald-vpls-flood-instance-information>
    <flood-route>
      <flood-nh-group>
        <flood-nh-group-name>
          flood-nh-group-name
        </flood-nh-group-name>
        <flood-nh-group-type>
          flood-nh-group-type
        </flood-nh-group-type>
        <nhtype>
          nhtype
        </nhtype>
        <nhindex>
          nhindex
        </nhindex>
        <flood-group-composite-function>
          flood-group-composite-function
        </flood-group-composite-function>
        <flood-nh-components>....</flood-nh-components>
        <flood-nh-p2mp-components>....</flood-nh-p2mp-components>
      </flood-nh-group>
```

```

    </flood-route>
  </l2ald-vpls-flood-instance-information>
</l2ald-vpls-lr-information>

```

## Description

### <flood-nh-group>

#### Usage

```

<l2ald-vpls-flood-instance>
  <l2ald-vpls-lr-information>
    <l2ald-vpls-flood-instance-information>
      <flood-route>
        <flood-nh-group>
          <flood-nh-group-name>
            flood-nh-group-name
          </flood-nh-group-name>
          <flood-nh-group-type>
            flood-nh-group-type
          </flood-nh-group-type>
          <nhtype>
            nhtype
          </nhtype>
          <nhindex>
            nhindex
          </nhindex>
          <flood-group-composite-function>
            flood-group-composite-function
          </flood-group-composite-function>
          <flood-nh-components>....</flood-nh-components>
          <flood-nh-p2mp-components>....</flood-nh-p2mp-components>
        </flood-nh-group>
      </flood-route>
    </l2ald-vpls-flood-instance-information>
  </l2ald-vpls-lr-information>
</l2ald-vpls-flood-instance>

```

## Description

### <flood-nh-group>

#### Usage

```

<l2ald-vpls-flood-route-information>
  <flood-route>
    <flood-nh-group>
      <flood-nh-group-name>
        flood-nh-group-name
      </flood-nh-group-name>
      <flood-nh-group-type>
        flood-nh-group-type
      </flood-nh-group-type>
      <nhtype>
        nhtype
      </nhtype>
    </flood-nh-group>
  </flood-route>
</l2ald-vpls-flood-route-information>

```

```
<nhindex>
  nhindex
</nhindex>
<flood-group-composite-function>
  flood-group-composite-function
</flood-group-composite-function>
<flood-nh-components>....</flood-nh-components>
<flood-nh-p2mp-components>....</flood-nh-p2mp-components>
</flood-nh-group>
</flood-route>
</l2ald-vpls-flood-route-information>
```

#### Description

### <flood-nh-group>

#### Usage

```
<l2ald-bridge-domain-flood-instance-information>
<flood-route>
  <flood-nh-group>
    <flood-nh-group-name>
      flood-nh-group-name
    </flood-nh-group-name>
    <flood-nh-group-type>
      flood-nh-group-type
    </flood-nh-group-type>
    <nhtype>
      nhtype
    </nhtype>
    <nhindex>
      nhindex
    </nhindex>
    <flood-group-composite-function>
      flood-group-composite-function
    </flood-group-composite-function>
    <flood-nh-components>....</flood-nh-components>
    <flood-nh-p2mp-components>....</flood-nh-p2mp-components>
  </flood-nh-group>
</flood-route>
</l2ald-bridge-domain-flood-instance-information>
```

#### Description

### <flood-nh-group>

#### Usage

```
<l2ald-bridge-domain-lr-information>
<l2ald-bridge-domain-flood-instance-information>
<flood-route>
  <flood-nh-group>
    <flood-nh-group-name>
      flood-nh-group-name
    </flood-nh-group-name>
    <flood-nh-group-type>
```

```

        flood-nh-group-type
      </flood-nh-group-type>
    <nhtype>
      nhtype
    </nhtype>
    <nhindex>
      nhindex
    </nhindex>
    <flood-group-composite-function>
      flood-group-composite-function
    </flood-group-composite-function>
    <flood-nh-components>....</flood-nh-components>
    <flood-nh-p2mp-components>....</flood-nh-p2mp-components>
  </flood-nh-group>
</flood-route>
</l2ald-bridge-domain-flood-instance-information>
</l2ald-bridge-domain-lr-information>

```

#### Description

### <flood-nh-group>

#### Usage

```

<l2ald-bridge-domain-flood-instance>
<l2ald-bridge-domain-lr-information>
<l2ald-bridge-domain-flood-instance-information>
  <flood-route>
    <flood-nh-group>
      <flood-nh-group-name>
        flood-nh-group-name
      </flood-nh-group-name>
      <flood-nh-group-type>
        flood-nh-group-type
      </flood-nh-group-type>
      <nhtype>
        nhtype
      </nhtype>
      <nhindex>
        nhindex
      </nhindex>
      <flood-group-composite-function>
        flood-group-composite-function
      </flood-group-composite-function>
      <flood-nh-components>....</flood-nh-components>
      <flood-nh-p2mp-components>....</flood-nh-p2mp-components>
    </flood-nh-group>
  </flood-route>
</l2ald-bridge-domain-flood-instance-information>
</l2ald-bridge-domain-lr-information>
</l2ald-bridge-domain-flood-instance>

```

#### Description

## <flood-nh-group>

### Usage

```
<l2ald-bridge-domain-flood-route-information>
<flood-route>
  <flood-nh-group>
    <flood-nh-group-name>
      flood-nh-group-name
    </flood-nh-group-name>
    <flood-nh-group-type>
      flood-nh-group-type
    </flood-nh-group-type>
    <nhtype>
      nhtype
    </nhtype>
    <nhindex>
      nhindex
    </nhindex>
    <flood-group-composite-function>
      flood-group-composite-function
    </flood-group-composite-function>
    <flood-nh-components>....</flood-nh-components>
    <flood-nh-p2mp-components>....</flood-nh-p2mp-components>
  </flood-nh-group>
</flood-route>
</l2ald-bridge-domain-flood-route-information>
```

### Description

## <flood-nh-p2mp-components>

### Usage

```
<flood-nh-p2mp-components>
<component-nhindex>
  component-nhindex
</component-nhindex>
</flood-nh-p2mp-components>
```

### Description

## <flood-nh-p2mp-components>

### Usage

```
<flood-nh-group>
  <flood-nh-p2mp-components>
    <component-nhindex>
      component-nhindex
    </component-nhindex>
  </flood-nh-p2mp-components>
</flood-nh-group>
```

### Description

### <flood-nh-p2mp-components>

#### Usage

```
<flood-route>
  <flood-nh-p2mp-components>
    <component-nhindex>
      component-nhindex
    </component-nhindex>
  </flood-nh-p2mp-components>
</flood-route>
```

#### Description

### <flood-nh-p2mp-components>

#### Usage

```
<flood-route>
  <flood-nh-group>
    <flood-nh-p2mp-components>
      <component-nhindex>
        component-nhindex
      </component-nhindex>
    </flood-nh-p2mp-components>
  </flood-nh-group>
</flood-route>
```

#### Description

### <flood-nh-p2mp-components>

#### Usage

```
<l2ald-vpls-flood-instance-information>
  <flood-route>
    <flood-nh-p2mp-components>
      <component-nhindex>
        component-nhindex
      </component-nhindex>
    </flood-nh-p2mp-components>
  </flood-route>
</l2ald-vpls-flood-instance-information>
```

#### Description

### <flood-nh-p2mp-components>

#### Usage

```
<l2ald-vpls-flood-instance-information>
  <flood-route>
    <flood-nh-group>
      <flood-nh-p2mp-components>
        <component-nhindex>
          component-nhindex
        </component-nhindex>
      </flood-nh-p2mp-components>
    </flood-nh-group>
  </flood-route>
</l2ald-vpls-flood-instance-information>
```

```
        </component-nhindex>
      </flood-nh-p2mp-components>
    </flood-nh-group>
  </flood-route>
</l2ald-vpls-flood-instance-information>
```

#### Description

### <flood-nh-p2mp-components>

#### Usage

```
<l2ald-vpls-lr-information>
<l2ald-vpls-flood-instance-information>
  <flood-route>
    <flood-nh-p2mp-components>
      <component-nhindex>
        component-nhindex
      </component-nhindex>
    </flood-nh-p2mp-components>
  </flood-route>
</l2ald-vpls-flood-instance-information>
</l2ald-vpls-lr-information>
```

#### Description

### <flood-nh-p2mp-components>

#### Usage

```
<l2ald-vpls-lr-information>
<l2ald-vpls-flood-instance-information>
  <flood-route>
    <flood-nh-group>
      <flood-nh-p2mp-components>
        <component-nhindex>
          component-nhindex
        </component-nhindex>
      </flood-nh-p2mp-components>
    </flood-nh-group>
  </flood-route>
</l2ald-vpls-flood-instance-information>
</l2ald-vpls-lr-information>
```

#### Description

### <flood-nh-p2mp-components>

#### Usage

```
<l2ald-vpls-flood-instance>
<l2ald-vpls-lr-information>
  <l2ald-vpls-flood-instance-information>
    <flood-route>
      <flood-nh-p2mp-components>
        <component-nhindex>
```



```

        component-nhindex
      </component-nhindex>
    </flood-nh-p2mp-components>
  </flood-route>
</l2ald-vpls-flood-instance-information>
</l2ald-vpls-lr-information>
</l2ald-vpls-flood-instance>

```

#### Description

### <flood-nh-p2mp-components>

#### Usage

```

<l2ald-vpls-flood-instance>
  <l2ald-vpls-lr-information>
    <l2ald-vpls-flood-instance-information>
      <flood-route>
        <flood-nh-group>
          <flood-nh-p2mp-components>
            <component-nhindex>
              component-nhindex
            </component-nhindex>
          </flood-nh-p2mp-components>
        </flood-nh-group>
      </flood-route>
    </l2ald-vpls-flood-instance-information>
  </l2ald-vpls-lr-information>
</l2ald-vpls-flood-instance>

```

#### Description

### <flood-nh-p2mp-components>

#### Usage

```

<l2ald-vpls-flood-route-information>
  <flood-route>
    <flood-nh-p2mp-components>
      <component-nhindex>
        component-nhindex
      </component-nhindex>
    </flood-nh-p2mp-components>
  </flood-route>
</l2ald-vpls-flood-route-information>

```

#### Description

### <flood-nh-p2mp-components>

#### Usage

```

<l2ald-vpls-flood-route-information>
  <flood-route>
    <flood-nh-group>
      <flood-nh-p2mp-components>

```

```
<component-nhindex>
  component-nhindex
</component-nhindex>
</flood-nh-p2mp-components>
</flood-nh-group>
</flood-route>
</l2ald-vpls-flood-route-information>
```

#### Description

### <flood-nh-p2mp-components>

#### Usage

```
<l2ald-bridge-domain-flood-instance-information>
<flood-route>
  <flood-nh-p2mp-components>
    <component-nhindex>
      component-nhindex
    </component-nhindex>
  </flood-nh-p2mp-components>
</flood-route>
</l2ald-bridge-domain-flood-instance-information>
```

#### Description

### <flood-nh-p2mp-components>

#### Usage

```
<l2ald-bridge-domain-flood-instance-information>
<flood-route>
  <flood-nh-group>
    <flood-nh-p2mp-components>
      <component-nhindex>
        component-nhindex
      </component-nhindex>
    </flood-nh-p2mp-components>
  </flood-nh-group>
</flood-route>
</l2ald-bridge-domain-flood-instance-information>
```

#### Description

### <flood-nh-p2mp-components>

#### Usage

```
<l2ald-bridge-domain-lr-information>
<l2ald-bridge-domain-flood-instance-information>
<flood-route>
  <flood-nh-p2mp-components>
    <component-nhindex>
      component-nhindex
    </component-nhindex>
  </flood-nh-p2mp-components>
```

```

    </flood-route>
  </l2ald-bridge-domain-flood-instance-information>
</l2ald-bridge-domain-lr-information>

```

#### Description

### <flood-nh-p2mp-components>

#### Usage

```

<l2ald-bridge-domain-lr-information>
<l2ald-bridge-domain-flood-instance-information>
  <flood-route>
    <flood-nh-group>
      <flood-nh-p2mp-components>
        <component-nhindex>
          component-nhindex
        </component-nhindex>
      </flood-nh-p2mp-components>
    </flood-nh-group>
  </flood-route>
</l2ald-bridge-domain-flood-instance-information>
</l2ald-bridge-domain-lr-information>

```

#### Description

### <flood-nh-p2mp-components>

#### Usage

```

<l2ald-bridge-domain-flood-instance>
<l2ald-bridge-domain-lr-information>
  <l2ald-bridge-domain-flood-instance-information>
    <flood-route>
      <flood-nh-p2mp-components>
        <component-nhindex>
          component-nhindex
        </component-nhindex>
      </flood-nh-p2mp-components>
    </flood-route>
  </l2ald-bridge-domain-flood-instance-information>
</l2ald-bridge-domain-lr-information>
</l2ald-bridge-domain-flood-instance>

```

#### Description

### <flood-nh-p2mp-components>

#### Usage

```

<l2ald-bridge-domain-flood-instance>
<l2ald-bridge-domain-lr-information>
  <l2ald-bridge-domain-flood-instance-information>
    <flood-route>
      <flood-nh-group>
        <flood-nh-p2mp-components>

```

```
<component-nhindex>
  component-nhindex
</component-nhindex>
</flood-nh-p2mp-components>
</flood-nh-group>
</flood-route>
</l2ald-bridge-domain-flood-instance-information>
</l2ald-bridge-domain-lr-information>
</l2ald-bridge-domain-flood-instance>
```

#### Description

### <flood-nh-p2mp-components>

#### Usage

```
<l2ald-bridge-domain-flood-route-information>
<flood-route>
  <flood-nh-p2mp-components>
    <component-nhindex>
      component-nhindex
    </component-nhindex>
  </flood-nh-p2mp-components>
</flood-route>
</l2ald-bridge-domain-flood-route-information>
```

#### Description

### <flood-nh-p2mp-components>

#### Usage

```
<l2ald-bridge-domain-flood-route-information>
<flood-route>
  <flood-nh-group>
    <flood-nh-p2mp-components>
      <component-nhindex>
        component-nhindex
      </component-nhindex>
    </flood-nh-p2mp-components>
  </flood-nh-group>
</flood-route>
</l2ald-bridge-domain-flood-route-information>
```

#### Description

### <flood-route>

#### Usage

```
<flood-route>
<route-prefix>
  route-prefix
</route-prefix>
<route-type>
  route-type
```

```

</route-type>
<owner>
  owner
</owner>
<route-flood-group-name>
  route-flood-group-name
</route-flood-group-name>
<route-flood-group-index>
  route-flood-group-index
</route-flood-group-index>
<nhtype>
  nhtype
</nhtype>
<nhindex>
  nhindex
</nhindex>
<flood-nh-p2mp-components>....</flood-nh-p2mp-components>
<flood-nh-components>....</flood-nh-components>
<flood-nh-group>....</flood-nh-group>
</flood-route>

```

## Description

### <flood-route>

#### Usage

```

<l2ald-vpls-flood-instance-information>
  <flood-route>
    <route-prefix>
      route-prefix
    </route-prefix>
    <route-type>
      route-type
    </route-type>
    <owner>
      owner
    </owner>
    <route-flood-group-name>
      route-flood-group-name
    </route-flood-group-name>
    <route-flood-group-index>
      route-flood-group-index
    </route-flood-group-index>
    <nhtype>
      nhtype
    </nhtype>
    <nhindex>
      nhindex
    </nhindex>
    <flood-nh-p2mp-components>....</flood-nh-p2mp-components>
    <flood-nh-components>....</flood-nh-components>
    <flood-nh-group>....</flood-nh-group>
  </flood-route>
</l2ald-vpls-flood-instance-information>

```

**Description****<flood-route>****Usage**

```
<l2ald-vpls-lr-information>
<l2ald-vpls-flood-instance-information>
  <flood-route>
    <route-prefix>
      route-prefix
    </route-prefix>
    <route-type>
      route-type
    </route-type>
    <owner>
      owner
    </owner>
    <route-flood-group-name>
      route-flood-group-name
    </route-flood-group-name>
    <route-flood-group-index>
      route-flood-group-index
    </route-flood-group-index>
    <nhtype>
      nhtype
    </nhtype>
    <nhindex>
      nhindex
    </nhindex>
    <flood-nh-p2mp-components>....</flood-nh-p2mp-components>
    <flood-nh-components>....</flood-nh-components>
    <flood-nh-group>....</flood-nh-group>
  </flood-route>
</l2ald-vpls-flood-instance-information>
</l2ald-vpls-lr-information>
```

**Description****<flood-route>****Usage**

```
<l2ald-vpls-flood-instance>
<l2ald-vpls-lr-information>
  <l2ald-vpls-flood-instance-information>
    <flood-route>
      <route-prefix>
        route-prefix
      </route-prefix>
      <route-type>
        route-type
      </route-type>
      <owner>
        owner
      </owner>
      <route-flood-group-name>
```

```

        route-flood-group-name
      </route-flood-group-name>
      <route-flood-group-index>
        route-flood-group-index
      </route-flood-group-index>
      <nhtype>
        nhtype
      </nhtype>
      <nhindex>
        nhindex
      </nhindex>
      <flood-nh-p2mp-components>....</flood-nh-p2mp-components>
      <flood-nh-components>....</flood-nh-components>
      <flood-nh-group>....</flood-nh-group>
    </flood-route>
  </l2ald-vpls-flood-instance-information>
</l2ald-vpls-lr-information>
</l2ald-vpls-flood-instance>

```

#### Description

#### <flood-route>

#### Usage

```

<l2ald-vpls-flood-route-information>
  <flood-route>
    <route-prefix>
      route-prefix
    </route-prefix>
    <route-type>
      route-type
    </route-type>
    <owner>
      owner
    </owner>
    <route-flood-group-name>
      route-flood-group-name
    </route-flood-group-name>
    <route-flood-group-index>
      route-flood-group-index
    </route-flood-group-index>
    <nhtype>
      nhtype
    </nhtype>
    <nhindex>
      nhindex
    </nhindex>
    <flood-nh-p2mp-components>....</flood-nh-p2mp-components>
    <flood-nh-components>....</flood-nh-components>
    <flood-nh-group>....</flood-nh-group>
  </flood-route>
</l2ald-vpls-flood-route-information>

```

#### Description

## <flood-route>

### Usage

```
<l2ald-bridge-domain-flood-instance-information>
  <flood-route>
    <route-prefix>
      route-prefix
    </route-prefix>
    <route-type>
      route-type
    </route-type>
    <owner>
      owner
    </owner>
    <route-flood-group-name>
      route-flood-group-name
    </route-flood-group-name>
    <route-flood-group-index>
      route-flood-group-index
    </route-flood-group-index>
    <nhtype>
      nhtype
    </nhtype>
    <nhindex>
      nhindex
    </nhindex>
    <flood-nh-p2mp-components>....</flood-nh-p2mp-components>
    <flood-nh-components>....</flood-nh-components>
    <flood-nh-group>....</flood-nh-group>
  </flood-route>
</l2ald-bridge-domain-flood-instance-information>
```

### Description

## <flood-route>

### Usage

```
<l2ald-bridge-domain-lr-information>
  <l2ald-bridge-domain-flood-instance-information>
    <flood-route>
      <route-prefix>
        route-prefix
      </route-prefix>
      <route-type>
        route-type
      </route-type>
      <owner>
        owner
      </owner>
      <route-flood-group-name>
        route-flood-group-name
      </route-flood-group-name>
      <route-flood-group-index>
        route-flood-group-index
```



```

</route-flood-group-index>
<nhtype>
  nhtype
</nhtype>
<nhindex>
  nhindex
</nhindex>
<flood-nh-p2mp-components>....</flood-nh-p2mp-components>
<flood-nh-components>....</flood-nh-components>
<flood-nh-group>....</flood-nh-group>
</flood-route>
</l2ald-bridge-domain-flood-instance-information>
</l2ald-bridge-domain-lr-information>

```

## Description

### <flood-route>

## Usage

```

<l2ald-bridge-domain-flood-instance>
<l2ald-bridge-domain-lr-information>
<l2ald-bridge-domain-flood-instance-information>
  <flood-route>
    <route-prefix>
      route-prefix
    </route-prefix>
    <route-type>
      route-type
    </route-type>
    <owner>
      owner
    </owner>
    <route-flood-group-name>
      route-flood-group-name
    </route-flood-group-name>
    <route-flood-group-index>
      route-flood-group-index
    </route-flood-group-index>
    <nhtype>
      nhtype
    </nhtype>
    <nhindex>
      nhindex
    </nhindex>
    <flood-nh-p2mp-components>....</flood-nh-p2mp-components>
    <flood-nh-components>....</flood-nh-components>
    <flood-nh-group>....</flood-nh-group>
  </flood-route>
</l2ald-bridge-domain-flood-instance-information>
</l2ald-bridge-domain-lr-information>
</l2ald-bridge-domain-flood-instance>

```

## Description

## <flood-route>

### Usage

```
<l2ald-bridge-domain-flood-route-information>
  <flood-route>
    <route-prefix>
      route-prefix
    </route-prefix>
    <route-type>
      route-type
    </route-type>
    <owner>
      owner
    </owner>
    <route-flood-group-name>
      route-flood-group-name
    </route-flood-group-name>
    <route-flood-group-index>
      route-flood-group-index
    </route-flood-group-index>
    <nhtype>
      nhtype
    </nhtype>
    <nhindex>
      nhindex
    </nhindex>
    <flood-nh-p2mp-components>....</flood-nh-p2mp-components>
    <flood-nh-components>....</flood-nh-components>
    <flood-nh-group>....</flood-nh-group>
  </flood-route>
</l2ald-bridge-domain-flood-route-information>
```

### Description

## <interface>

### Usage

```
<interface>
  <interface-name>
    interface-name
  </interface-name>
  <interface-id>
    interface-id
  </interface-id>
  <interface-description>
    interface-description
  </interface-description>
  <local-interface-index>
    local-interface-index
  </local-interface-index>
  <interface-flags>
    interface-flags
  </interface-flags>
  <interface-flags-description>
```

```

    interface-flags-description
  </interface-flags-description>
</interface>

```

#### Description

<interface>

#### Usage

```

<interface-statistics>
  <interface>
    <interface-name>
      interface-name
    </interface-name>
    <interface-id>
      interface-id
    </interface-id>
    <interface-description>
      interface-description
    </interface-description>
    <local-interface-index>
      local-interface-index
    </local-interface-index>
    <interface-flags>
      interface-flags
    </interface-flags>
    <interface-flags-description>
      interface-flags-description
    </interface-flags-description>
  </interface>
</interface-statistics>

```

#### Description

<interface>

#### Usage

```

<bridge-statistics-information>
  <interface-statistics>
    <interface>
      <interface-name>
        interface-name
      </interface-name>
      <interface-id>
        interface-id
      </interface-id>
      <interface-description>
        interface-description
      </interface-description>
      <local-interface-index>
        local-interface-index
      </local-interface-index>
      <interface-flags>
        interface-flags

```

```
</interface-flags>
<interface-flags-description>
  interface-flags-description
</interface-flags-description>
</interface>
</interface-statistics>
</bridge-statistics-information>
```

## Description

### <interface-statistics>

#### Usage

```
<interface-statistics>
<interface>.....</interface>
<remote-pe>
  remote-pe
</remote-pe>
<broadcast-packets>
  broadcast-packets
</broadcast-packets>
<broadcast-bytes>
  broadcast-bytes
</broadcast-bytes>
<multicast-packets>
  multicast-packets
</multicast-packets>
<multicast-bytes>
  multicast-bytes
</multicast-bytes>
<flooded-packets>
  flooded-packets
</flooded-packets>
<flooded-bytes>
  flooded-bytes
</flooded-bytes>
<unicast-packets>
  unicast-packets
</unicast-packets>
<unicast-bytes>
  unicast-bytes
</unicast-bytes>
<mac-limit>
  mac-limit
</mac-limit>
<num-mac-count>
  num-mac-count
</num-mac-count>
</interface-statistics>
```

## Description

**<interface-statistics>****Usage**

```

<bridge-statistics-information>
  <interface-statistics>
    <interface>.....</interface>
    <remote-pe>
      remote-pe
    </remote-pe>
    <broadcast-packets>
      broadcast-packets
    </broadcast-packets>
    <broadcast-bytes>
      broadcast-bytes
    </broadcast-bytes>
    <multicast-packets>
      multicast-packets
    </multicast-packets>
    <multicast-bytes>
      multicast-bytes
    </multicast-bytes>
    <flooded-packets>
      flooded-packets
    </flooded-packets>
    <flooded-bytes>
      flooded-bytes
    </flooded-bytes>
    <unicast-packets>
      unicast-packets
    </unicast-packets>
    <unicast-bytes>
      unicast-bytes
    </unicast-bytes>
    <mac-limit>
      mac-limit
    </mac-limit>
    <num-mac-count>
      num-mac-count
    </num-mac-count>
  </interface-statistics>
</bridge-statistics-information>

```

**Description****<l2ald-bridge-domain-flood-event-info>****Usage**

```

<l2ald-bridge-domain-flood-event-info>
  <event-name>
    event-name
  </event-name>
  <event-type>
    event-type
  </event-type>

```

```
<event-owner>
  event-owner
</event-owner>
<event-op>
  event-op
</event-op>
<event-error>
  event-error
</event-error>
</l2ald-bridge-domain-flood-event-info>
```

#### Description

### <l2ald-bridge-domain-flood-event-info>

#### Usage

```
<l2ald-bridge-domain-flood-next-event>
<l2ald-bridge-domain-flood-event-info>
  <event-name>
    event-name
  </event-name>
  <event-type>
    event-type
  </event-type>
  <event-owner>
    event-owner
  </event-owner>
  <event-op>
    event-op
  </event-op>
  <event-error>
    event-error
  </event-error>
</l2ald-bridge-domain-flood-event-info>
</l2ald-bridge-domain-flood-next-event>
```

#### Description

### <l2ald-bridge-domain-flood-event-info>

#### Usage

```
<l2ald-bridge-domain-flood-event-list>
<l2ald-bridge-domain-flood-event-info>
  <event-name>
    event-name
  </event-name>
  <event-type>
    event-type
  </event-type>
  <event-owner>
    event-owner
  </event-owner>
  <event-op>
    event-op
```

```

</event-op>
<event-error>
  event-error
</event-error>
</l2ald-bridge-domain-flood-event-info>
</l2ald-bridge-domain-flood-event-list>

```

### Description

#### <l2ald-bridge-domain-flood-event-info>

##### Usage

```

<l2ald-bridge-domain-flood-event-queue>
<l2ald-bridge-domain-flood-next-event>
  <l2ald-bridge-domain-flood-event-info>
    <event-name>
      event-name
    </event-name>
    <event-type>
      event-type
    </event-type>
    <event-owner>
      event-owner
    </event-owner>
    <event-op>
      event-op
    </event-op>
    <event-error>
      event-error
    </event-error>
  </l2ald-bridge-domain-flood-event-info>
</l2ald-bridge-domain-flood-next-event>
</l2ald-bridge-domain-flood-event-queue>

```

### Description

#### <l2ald-bridge-domain-flood-event-info>

##### Usage

```

<l2ald-bridge-domain-flood-event-queue>
<l2ald-bridge-domain-flood-event-list>
  <l2ald-bridge-domain-flood-event-info>
    <event-name>
      event-name
    </event-name>
    <event-type>
      event-type
    </event-type>
    <event-owner>
      event-owner
    </event-owner>
    <event-op>
      event-op
    </event-op>
  </l2ald-bridge-domain-flood-event-info>
</l2ald-bridge-domain-flood-event-list>
</l2ald-bridge-domain-flood-event-queue>

```

```
<event-error>
  event-error
</event-error>
</l2ald-bridge-domain-flood-event-info>
</l2ald-bridge-domain-flood-event-list>
</l2ald-bridge-domain-flood-event-queue>
```

#### Description

### <l2ald-bridge-domain-flood-event-list>

#### Usage

```
<l2ald-bridge-domain-flood-event-list>
<l2ald-bridge-domain-flood-event-info>....</l2ald-bridge-domain-flood-event-info>

</l2ald-bridge-domain-flood-event-list>
```

#### Description

### <l2ald-bridge-domain-flood-event-list>

#### Usage

```
<l2ald-bridge-domain-flood-event-queue>
<l2ald-bridge-domain-flood-event-list>

<l2ald-bridge-domain-flood-event-info>....</l2ald-bridge-domain-flood-event-info>
</l2ald-bridge-domain-flood-event-list>
</l2ald-bridge-domain-flood-event-queue>
```

#### Description

### <l2ald-bridge-domain-flood-event-queue>

#### Usage

```
<l2ald-bridge-domain-flood-event-queue>

<l2ald-bridge-domain-flood-next-event>....</l2ald-bridge-domain-flood-next-event>
<l2ald-bridge-domain-flood-event-list>....</l2ald-bridge-domain-flood-event-list>

</l2ald-bridge-domain-flood-event-queue>
```

#### Description

### <l2ald-bridge-domain-flood-instance>

#### Usage

```
<l2ald-bridge-domain-flood-instance>
<l2ald-bridge-domain-lr-information>....</l2ald-bridge-domain-lr-information>
</l2ald-bridge-domain-flood-instance>
```

#### Description



## <l2ald-bridge-domain-flood-instance-information>

### Usage

```

<l2ald-bridge-domain-flood-instance-information>
  <instance-name>
    instance-name
  </instance-name>
  <num-active-ce-iffs>
    num-active-ce-iffs
  </num-active-ce-iffs>
  <num-active-ve-iffs>
    num-active-ve-iffs
  </num-active-ve-iffs>
  <flood-route>....</flood-route>
</l2ald-bridge-domain-flood-instance-information>

```

### Description

## <l2ald-bridge-domain-flood-instance-information>

### Usage

```

<l2ald-bridge-domain-lr-information>
  <l2ald-bridge-domain-flood-instance-information>
    <instance-name>
      instance-name
    </instance-name>
    <num-active-ce-iffs>
      num-active-ce-iffs
    </num-active-ce-iffs>
    <num-active-ve-iffs>
      num-active-ve-iffs
    </num-active-ve-iffs>
    <flood-route>....</flood-route>
  </l2ald-bridge-domain-flood-instance-information>
</l2ald-bridge-domain-lr-information>

```

### Description

## <l2ald-bridge-domain-flood-instance-information>

### Usage

```

<l2ald-bridge-domain-flood-instance>
  <l2ald-bridge-domain-lr-information>
    <l2ald-bridge-domain-flood-instance-information>
      <instance-name>
        instance-name
      </instance-name>
      <num-active-ce-iffs>
        num-active-ce-iffs
      </num-active-ce-iffs>
      <num-active-ve-iffs>
        num-active-ve-iffs
      </num-active-ve-iffs>
    </l2ald-bridge-domain-flood-instance-information>
  </l2ald-bridge-domain-lr-information>
</l2ald-bridge-domain-flood-instance>

```

```
<flood-route>....</flood-route>
</l2ald-bridge-domain-flood-instance-information>
</l2ald-bridge-domain-lr-information>
</l2ald-bridge-domain-flood-instance>
```

#### Description

### <l2ald-bridge-domain-flood-next-event>

#### Usage

```
<l2ald-bridge-domain-flood-next-event>
<l2ald-bridge-domain-flood-event-info>....</l2ald-bridge-domain-flood-event-info>

</l2ald-bridge-domain-flood-next-event>
```

#### Description

### <l2ald-bridge-domain-flood-next-event>

#### Usage

```
<l2ald-bridge-domain-flood-event-queue>
<l2ald-bridge-domain-flood-next-event>

<l2ald-bridge-domain-flood-event-info>....</l2ald-bridge-domain-flood-event-info>
</l2ald-bridge-domain-flood-next-event>
</l2ald-bridge-domain-flood-event-queue>
```

#### Description

### <l2ald-bridge-domain-flood-route-information>

#### Usage

```
<l2ald-bridge-domain-flood-route-information>
<flood-route>....</flood-route>
</l2ald-bridge-domain-flood-route-information>
```

#### Description

### <l2ald-bridge-domain-lr-information>

#### Usage

```
<l2ald-bridge-domain-lr-information>
<logical-system-info>....</logical-system-info>

<l2ald-bridge-domain-flood-instance-information>....</l2ald-bridge-domain-flood-instance-information>

</l2ald-bridge-domain-lr-information>
```

#### Description

## <l2ald-bridge-domain-lr-information>

### Usage

```

<l2ald-bridge-domain-flood-instance>
  <l2ald-bridge-domain-lr-information>
    <logical-system-info>....</logical-system-info>

<l2ald-bridge-domain-flood-instance-information>...</l2ald-bridge-domain-flood-instance-information>

  </l2ald-bridge-domain-lr-information>
</l2ald-bridge-domain-flood-instance>

```

### Description

## <l2ald-bridge-instance-group>

### Usage

```

<l2ald-bridge-instance-group>
  <l2rtb-name>
    l2rtb-name
  </l2rtb-name>
  <l2rtb-bridging-domain>
    l2rtb-bridging-domain
  </l2rtb-bridging-domain>
  <l2rtb-instance-description>
    l2rtb-instance-description
  </l2rtb-instance-description>
  <l2rtb-instance-type>
    l2rtb-instance-type
  </l2rtb-instance-type>
  <l2rtb-instance-state>
    l2rtb-instance-state
  </l2rtb-instance-state>
  <l2rtb-instance-restart-state>
    l2rtb-instance-restart-state
  </l2rtb-instance-restart-state>
  <l2rtb-instance-pathsel-timeout>
    l2rtb-instance-pathsel-timeout
  </l2rtb-instance-pathsel-timeout>
  <l2rtb-interface-name>
    l2rtb-interface-name
  </l2rtb-interface-name>
  <l2rtb-macs-learned>
    l2rtb-macs-learned
  </l2rtb-macs-learned>
  <l2rtb-instance-flags>
    l2rtb-instance-flags
  </l2rtb-instance-flags>
  <l2rtb-bridge-vlan>
    l2rtb-bridge-vlan
  </l2rtb-bridge-vlan>
  <l2rtb-brief-summary>
    l2rtb-brief-summary
  </l2rtb-brief-summary>

```

</l2ald-bridge-instance-group>

#### Description

<l2ald-bridge-instance-group>

#### Usage

```
<l2ald-bridge-instance-information>
  <l2ald-bridge-instance-group>
    <l2rtb-name>
      l2rtb-name
    </l2rtb-name>
    <l2rtb-bridging-domain>
      l2rtb-bridging-domain
    </l2rtb-bridging-domain>
    <l2rtb-instance-description>
      l2rtb-instance-description
    </l2rtb-instance-description>
    <l2rtb-instance-type>
      l2rtb-instance-type
    </l2rtb-instance-type>
    <l2rtb-instance-state>
      l2rtb-instance-state
    </l2rtb-instance-state>
    <l2rtb-instance-restart-state>
      l2rtb-instance-restart-state
    </l2rtb-instance-restart-state>
    <l2rtb-instance-pathsel-timeout>
      l2rtb-instance-pathsel-timeout
    </l2rtb-instance-pathsel-timeout>
    <l2rtb-interface-name>
      l2rtb-interface-name
    </l2rtb-interface-name>
    <l2rtb-macs-learned>
      l2rtb-macs-learned
    </l2rtb-macs-learned>
    <l2rtb-instance-flags>
      l2rtb-instance-flags
    </l2rtb-instance-flags>
    <l2rtb-bridge-vlan>
      l2rtb-bridge-vlan
    </l2rtb-bridge-vlan>
    <l2rtb-brief-summary>
      l2rtb-brief-summary
    </l2rtb-brief-summary>
  </l2ald-bridge-instance-group>
</l2ald-bridge-instance-information>
```

#### Description

<l2ald-bridge-instance-information>

#### Usage

```
<l2ald-bridge-instance-information>
```

```
<l2ald-bridge-instance-group>....</l2ald-bridge-instance-group>
</l2ald-bridge-instance-information>
```

**Description** Operational bridge instances that can be passed to netapp commands

## <l2ald-config-pbbn>

### Usage

```
<l2ald-config-pbbn>
  <l2ald-pbbn-entry>....</l2ald-pbbn-entry>
</l2ald-config-pbbn>
```

### Description

## <l2ald-global-configuration>

### Usage

```
<l2ald-global-configuration>
  <l2ald-mac-aging-time>
    l2ald-mac-aging-time
  </l2ald-mac-aging-time>
  <l2ald-config-flag>
    l2ald-config-flag
  </l2ald-config-flag>
  <l2ald-mac-learning-status>
    l2ald-mac-learning-status
  </l2ald-mac-learning-status>
  <l2ald-hardware-mac-learning-status>
    l2ald-hardware-mac-learning-status
  </l2ald-hardware-mac-learning-status>
  <l2ald-software-mac-learning-status>
    l2ald-software-mac-learning-status
  </l2ald-software-mac-learning-status>
  <l2ald-statistics-status>
    l2ald-statistics-status
  </l2ald-statistics-status>
  <l2ald-sequence-number>
    l2ald-sequence-number
  </l2ald-sequence-number>
  <l2ald-mac-learn-toggle-count>
    l2ald-mac-learn-toggle-count
  </l2ald-mac-learn-toggle-count>
  <l2ald-hardware-mac-learn-toggle-count>
    l2ald-hardware-mac-learn-toggle-count
  </l2ald-hardware-mac-learn-toggle-count>
  <l2ald-software-mac-learn-toggle-count>
    l2ald-software-mac-learn-toggle-count
  </l2ald-software-mac-learn-toggle-count>
  <l2ald-statistics-toggle-count>
    l2ald-statistics-toggle-count
  </l2ald-statistics-toggle-count>
  <l2ald-global-mac-limit-count>
    l2ald-global-mac-limit-count
```

```
</l2ald-global-mac-limit-count>
<l2ald-global-mac-limit>
  l2ald-global-mac-limit
</l2ald-global-mac-limit>
<l2ald-global-packet-action-drop>
  l2ald-global-packet-action-drop
</l2ald-global-packet-action-drop>
<l2ald-interface-mac-limit-wm>
  l2ald-interface-mac-limit-wm
</l2ald-interface-mac-limit-wm>
<l2ald-rtb-mac-limit-wm>
  l2ald-rtb-mac-limit-wm
</l2ald-rtb-mac-limit-wm>
<l2ald-mac-limit-wm>
  l2ald-mac-limit-wm
</l2ald-mac-limit-wm>
<l2ald-interface-mac-limit-timeout>
  l2ald-interface-mac-limit-timeout
</l2ald-interface-mac-limit-timeout>
<l2ald-rtb-mac-limit-timeout>
  l2ald-rtb-mac-limit-timeout
</l2ald-rtb-mac-limit-timeout>
<l2ald-mac-limit-timeout>
  l2ald-mac-limit-timeout
</l2ald-mac-limit-timeout>
<l2ald-config-smac-count>
  l2ald-config-smac-count
</l2ald-config-smac-count>
<l2ald-non-config-smac-count>
  l2ald-non-config-smac-count
</l2ald-non-config-smac-count>
<l2ald-le-aging-time>
  l2ald-le-aging-time
</l2ald-le-aging-time>
<l2ald-le-bridge-domain-aging-time>
  l2ald-le-bridge-domain-aging-time
</l2ald-le-bridge-domain-aging-time>
</l2ald-global-configuration>
```

**Description** Global configuration values for the the media access control address learning process

### <l2ald-global-macdb>

#### Usage

```
<l2ald-global-macdb>
  <l2ald-mac-entry>....</l2ald-mac-entry>
</l2ald-global-macdb>
```

#### Description

### <l2ald-global-macdb-count>

#### Usage

```
<l2ald-global-macdb-count>
  <global-mac-count>
    global-mac-count
  </global-mac-count>
</l2ald-global-macdb-count>
```

#### Description

### <l2ald-if-mac-count-entry>

#### Usage

```
<l2ald-interface-mac-count>
  <l2ald-if-mac-count-entry>
    <interface-name>
      interface-name
    </interface-name>
    <mac-count>
      mac-count
    </mac-count>
  </l2ald-if-mac-count-entry>
</l2ald-interface-mac-count>
```

**Description**    MAC Address count for interface

### <l2ald-ifd-preconfig-entry>

#### Usage

```
<l2ald-ifd-preconfig-entry>
  <l2ald-ifd-preconfig-name>
    l2ald-ifd-preconfig-name
  </l2ald-ifd-preconfig-name>
  <l2ald-ifd-preconfig-vmap>
    l2ald-ifd-preconfig-vmap
  </l2ald-ifd-preconfig-vmap>
  <l2ald-ifd-preconfig-vmap-count>
    l2ald-ifd-preconfig-vmap-count
  </l2ald-ifd-preconfig-vmap-count>
  <l2ald-ifd-tmp-resync-vmap>
    l2ald-ifd-tmp-resync-vmap
  </l2ald-ifd-tmp-resync-vmap>
  <l2ald-ifd-tmp-resync-vmap-count>
    l2ald-ifd-tmp-resync-vmap-count
  </l2ald-ifd-tmp-resync-vmap-count>
</l2ald-ifd-preconfig-entry>
```

#### Description

### <l2ald-ifd-preconfig-entry>

#### Usage

```
<l2ald-mvrp-information>
  <l2ald-ifd-preconfig-entry>
    <l2ald-ifd-preconfig-name>
      l2ald-ifd-preconfig-name
    </l2ald-ifd-preconfig-name>
    <l2ald-ifd-preconfig-vmap>
      l2ald-ifd-preconfig-vmap
    </l2ald-ifd-preconfig-vmap>
    <l2ald-ifd-preconfig-vmap-count>
      l2ald-ifd-preconfig-vmap-count
    </l2ald-ifd-preconfig-vmap-count>
    <l2ald-ifd-tmp-resync-vmap>
      l2ald-ifd-tmp-resync-vmap
    </l2ald-ifd-tmp-resync-vmap>
    <l2ald-ifd-tmp-resync-vmap-count>
      l2ald-ifd-tmp-resync-vmap-count
    </l2ald-ifd-tmp-resync-vmap-count>
  </l2ald-ifd-preconfig-entry>
</l2ald-mvrp-information>
```

#### Description

### <l2ald-interface-mac-count>

#### Usage

```
<l2ald-interface-mac-count>
  <l2ald-total-intf-mac-count>
    l2ald-total-intf-mac-count
  </l2ald-total-intf-mac-count>
  <l2ald-if-mac-count-entry>....</l2ald-if-mac-count-entry>
</l2ald-interface-mac-count>
```

#### Description

### <l2ald-interface-macdb>

#### Usage

```
<l2ald-interface-macdb>
  <l2ald-macdb-if-name>
    l2ald-macdb-if-name
  </l2ald-macdb-if-name>
  <l2ald-mac-entry>....</l2ald-mac-entry>
</l2ald-interface-macdb>
```

#### Description



### <l2ald-mac-destination-address-statistics>

#### Usage

```

<l2ald-mac-destination-address-statistics>
  <packet-count>
    packet-count
  </packet-count>
  <byte-count>
    byte-count
  </byte-count>
</l2ald-mac-destination-address-statistics>

```

**Description** MAC destination address statistics

### <l2ald-mac-destination-address-statistics>

#### Usage

```

<l2ald-mac-entry>
  <l2ald-mac-destination-address-statistics>
    <packet-count>
      packet-count
    </packet-count>
    <byte-count>
      byte-count
    </byte-count>
  </l2ald-mac-destination-address-statistics>
</l2ald-mac-entry>

```

**Description** MAC destination address statistics

### <l2ald-mac-destination-address-statistics>

#### Usage

```

<l2ald-global-macdb>
  <l2ald-mac-entry>
    <l2ald-mac-destination-address-statistics>
      <packet-count>
        packet-count
      </packet-count>
      <byte-count>
        byte-count
      </byte-count>
    </l2ald-mac-destination-address-statistics>
  </l2ald-mac-entry>
</l2ald-global-macdb>

```

**Description** MAC destination address statistics

### <l2ald-mac-destination-address-statistics>

#### Usage

```
<l2ald-interface-macdb>
  <l2ald-mac-entry>
    <l2ald-mac-destination-address-statistics>
      <packet-count>
        packet-count
      </packet-count>
      <byte-count>
        byte-count
      </byte-count>
    </l2ald-mac-destination-address-statistics>
  </l2ald-mac-entry>
</l2ald-interface-macdb>
```

**Description** MAC destination address statistics

### <l2ald-mac-destination-address-statistics>

#### Usage

```
<l2ald-rtb-macdb>
  <l2ald-mac-entry>
    <l2ald-mac-destination-address-statistics>
      <packet-count>
        packet-count
      </packet-count>
      <byte-count>
        byte-count
      </byte-count>
    </l2ald-mac-destination-address-statistics>
  </l2ald-mac-entry>
</l2ald-rtb-macdb>
```

**Description** MAC destination address statistics

### <l2ald-mac-entry>

#### Usage

```
<l2ald-mac-entry>
  <l2-mac-address>
    l2-mac-address
  </l2-mac-address>
  <l2-remote-beb-mac-address>
    l2-remote-beb-mac-address
  </l2-remote-beb-mac-address>
  <l2-mac-interface-device>
    l2-mac-interface-device
  </l2-mac-interface-device>
  <l2-mac-logical-interface>
    l2-mac-logical-interface
  </l2-mac-logical-interface>
```

```

<l2-mac-routing-instance>
  l2-mac-routing-instance
</l2-mac-routing-instance>
<l2-mac-bridging-domain>
  l2-mac-bridging-domain
</l2-mac-bridging-domain>
<l2-mac-logical-system>
  l2-mac-logical-system
</l2-mac-logical-system>
<l2-mac-vlan>
  l2-mac-vlan
</l2-mac-vlan>
<l2-mac-stp-index>
  l2-mac-stp-index
</l2-mac-stp-index>
<l2-mac-epoch>
  l2-mac-epoch
</l2-mac-epoch>
<l2-mac-ifl-generation>
  l2-mac-ifl-generation
</l2-mac-ifl-generation>
<l2-mac-sequence-number>
  l2-mac-sequence-number
</l2-mac-sequence-number>
<l2-mac-learn-mask>
  l2-mac-learn-mask
</l2-mac-learn-mask>
<l2-mac-entry-flags>
  l2-mac-entry-flags
</l2-mac-entry-flags>
<l2-mac-flags>
  l2-mac-flags
</l2-mac-flags>
<l2-bridge-vlan>
  l2-bridge-vlan
</l2-bridge-vlan>
<l2-bridge-isid>
  l2-bridge-isid
</l2-bridge-isid>
<l2ald-mac-source-address-statistics>....</l2ald-mac-source-address-statistics>

<l2ald-mac-destination-address-statistics>....</l2ald-mac-destination-address-statistics>

</l2ald-mac-entry>

```

#### Description

<l2ald-mac-entry>

#### Usage

```

<l2ald-global-macdb>
  <l2ald-mac-entry>
    <l2-mac-address>
      l2-mac-address

```

```
</l2-mac-address>
<l2-remote-beb-mac-address>
  l2-remote-beb-mac-address
</l2-remote-beb-mac-address>
<l2-mac-interface-device>
  l2-mac-interface-device
</l2-mac-interface-device>
<l2-mac-logical-interface>
  l2-mac-logical-interface
</l2-mac-logical-interface>
<l2-mac-routing-instance>
  l2-mac-routing-instance
</l2-mac-routing-instance>
<l2-mac-bridging-domain>
  l2-mac-bridging-domain
</l2-mac-bridging-domain>
<l2-mac-logical-system>
  l2-mac-logical-system
</l2-mac-logical-system>
<l2-mac-vlan>
  l2-mac-vlan
</l2-mac-vlan>
<l2-mac-stp-index>
  l2-mac-stp-index
</l2-mac-stp-index>
<l2-mac-epoch>
  l2-mac-epoch
</l2-mac-epoch>
<l2-mac-ifl-generation>
  l2-mac-ifl-generation
</l2-mac-ifl-generation>
<l2-mac-sequence-number>
  l2-mac-sequence-number
</l2-mac-sequence-number>
<l2-mac-learn-mask>
  l2-mac-learn-mask
</l2-mac-learn-mask>
<l2-mac-entry-flags>
  l2-mac-entry-flags
</l2-mac-entry-flags>
<l2-mac-flags>
  l2-mac-flags
</l2-mac-flags>
<l2-bridge-vlan>
  l2-bridge-vlan
</l2-bridge-vlan>
<l2-bridge-isid>
  l2-bridge-isid
</l2-bridge-isid>
<l2ald-mac-source-address-statistics>....</l2ald-mac-source-address-statistics>

<l2ald-mac-destination-address-statistics>....</l2ald-mac-destination-address-statistics>

</l2ald-mac-entry>
```

```
</l2ald-global-macdb>
```

## Description

```
<l2ald-mac-entry>
```

## Usage

```
<l2ald-interface-macdb>
<l2ald-mac-entry>
  <l2-mac-address>
    l2-mac-address
  </l2-mac-address>
  <l2-remote-beb-mac-address>
    l2-remote-beb-mac-address
  </l2-remote-beb-mac-address>
  <l2-mac-interface-device>
    l2-mac-interface-device
  </l2-mac-interface-device>
  <l2-mac-logical-interface>
    l2-mac-logical-interface
  </l2-mac-logical-interface>
  <l2-mac-routing-instance>
    l2-mac-routing-instance
  </l2-mac-routing-instance>
  <l2-mac-bridging-domain>
    l2-mac-bridging-domain
  </l2-mac-bridging-domain>
  <l2-mac-logical-system>
    l2-mac-logical-system
  </l2-mac-logical-system>
  <l2-mac-vlan>
    l2-mac-vlan
  </l2-mac-vlan>
  <l2-mac-stp-index>
    l2-mac-stp-index
  </l2-mac-stp-index>
  <l2-mac-epoch>
    l2-mac-epoch
  </l2-mac-epoch>
  <l2-mac-ifl-generation>
    l2-mac-ifl-generation
  </l2-mac-ifl-generation>
  <l2-mac-sequence-number>
    l2-mac-sequence-number
  </l2-mac-sequence-number>
  <l2-mac-learn-mask>
    l2-mac-learn-mask
  </l2-mac-learn-mask>
  <l2-mac-entry-flags>
    l2-mac-entry-flags
  </l2-mac-entry-flags>
  <l2-mac-flags>
    l2-mac-flags
  </l2-mac-flags>
</l2-bridge-vlan>
```

```
    l2-bridge-vlan
  </l2-bridge-vlan>
  <l2-bridge-isid>
    l2-bridge-isid
  </l2-bridge-isid>
  <l2ald-mac-source-address-statistics>....</l2ald-mac-source-address-statistics>

  <l2ald-mac-destination-address-statistics>....</l2ald-mac-destination-address-statistics>

  </l2ald-mac-entry>
</l2ald-interface-macdb>
```

## Description

### <l2ald-mac-entry>

#### Usage

```
<l2ald-rtb-macdb>
<l2ald-mac-entry>
  <l2-mac-address>
    l2-mac-address
  </l2-mac-address>
  <l2-remote-beb-mac-address>
    l2-remote-beb-mac-address
  </l2-remote-beb-mac-address>
  <l2-mac-interface-device>
    l2-mac-interface-device
  </l2-mac-interface-device>
  <l2-mac-logical-interface>
    l2-mac-logical-interface
  </l2-mac-logical-interface>
  <l2-mac-routing-instance>
    l2-mac-routing-instance
  </l2-mac-routing-instance>
  <l2-mac-bridging-domain>
    l2-mac-bridging-domain
  </l2-mac-bridging-domain>
  <l2-mac-logical-system>
    l2-mac-logical-system
  </l2-mac-logical-system>
  <l2-mac-vlan>
    l2-mac-vlan
  </l2-mac-vlan>
  <l2-mac-stp-index>
    l2-mac-stp-index
  </l2-mac-stp-index>
  <l2-mac-epoch>
    l2-mac-epoch
  </l2-mac-epoch>
  <l2-mac-ifl-generation>
    l2-mac-ifl-generation
  </l2-mac-ifl-generation>
  <l2-mac-sequence-number>
    l2-mac-sequence-number
```

```

</l2-mac-sequence-number>
<l2-mac-learn-mask>
  l2-mac-learn-mask
</l2-mac-learn-mask>
<l2-mac-entry-flags>
  l2-mac-entry-flags
</l2-mac-entry-flags>
<l2-mac-flags>
  l2-mac-flags
</l2-mac-flags>
<l2-bridge-vlan>
  l2-bridge-vlan
</l2-bridge-vlan>
<l2-bridge-isid>
  l2-bridge-isid
</l2-bridge-isid>
<l2ald-mac-source-address-statistics>....</l2ald-mac-source-address-statistics>

```

```

<l2ald-mac-destination-address-statistics>....</l2ald-mac-destination-address-statistics>

```

```

</l2ald-mac-entry>
</l2ald-rtb-macdb>

```

#### Description

#### <l2ald-mac-source-address-statistics>

##### Usage

```

<l2ald-mac-source-address-statistics>
  <packet-count>
    packet-count
  </packet-count>
  <byte-count>
    byte-count
  </byte-count>
</l2ald-mac-source-address-statistics>

```

**Description** MAC source address statistics

#### <l2ald-mac-source-address-statistics>

##### Usage

```

<l2ald-mac-entry>
  <l2ald-mac-source-address-statistics>
    <packet-count>
      packet-count
    </packet-count>
    <byte-count>
      byte-count
    </byte-count>
  </l2ald-mac-source-address-statistics>

```

</l2ald-mac-entry>

**Description**    MAC source address statistics

### <l2ald-mac-source-address-statistics>

#### Usage

```
<l2ald-global-macdb>
  <l2ald-mac-entry>
    <l2ald-mac-source-address-statistics>
      <packet-count>
        packet-count
      </packet-count>
      <byte-count>
        byte-count
      </byte-count>
    </l2ald-mac-source-address-statistics>
  </l2ald-mac-entry>
</l2ald-global-macdb>
```

**Description**    MAC source address statistics

### <l2ald-mac-source-address-statistics>

#### Usage

```
<l2ald-interface-macdb>
  <l2ald-mac-entry>
    <l2ald-mac-source-address-statistics>
      <packet-count>
        packet-count
      </packet-count>
      <byte-count>
        byte-count
      </byte-count>
    </l2ald-mac-source-address-statistics>
  </l2ald-mac-entry>
</l2ald-interface-macdb>
```

**Description**    MAC source address statistics

### <l2ald-mac-source-address-statistics>

#### Usage

```
<l2ald-rtb-macdb>
  <l2ald-mac-entry>
    <l2ald-mac-source-address-statistics>
      <packet-count>
        packet-count
      </packet-count>
      <byte-count>
        byte-count
      </byte-count>
    </l2ald-mac-source-address-statistics>
  </l2ald-mac-entry>
</l2ald-rtb-macdb>
```



```

    </byte-count>
  </l2ald-mac-source-address-statistics>
</l2ald-mac-entry>
</l2ald-rtb-macdb>

```

**Description** MAC source address statistics

### <l2ald-mc-ae-arp-entry>

#### Usage

```

<l2ald-mc-ae-arp-entry>
  <l2ald-mc-ae-rg-id>
    l2ald-mc-ae-rg-id
  </l2ald-mc-ae-rg-id>
  <l2ald-mc-ae-arp-rx-count-from-line>
    l2ald-mc-ae-arp-rx-count-from-line
  </l2ald-mc-ae-arp-rx-count-from-line>
  <l2ald-mc-ae-arp-tx-count-to-peer>
    l2ald-mc-ae-arp-tx-count-to-peer
  </l2ald-mc-ae-arp-tx-count-to-peer>
  <l2ald-mc-ae-arp-rx-count-from-peer>
    l2ald-mc-ae-arp-rx-count-from-peer
  </l2ald-mc-ae-arp-rx-count-from-peer>
  <l2ald-mc-ae-arp-install-count>
    l2ald-mc-ae-arp-install-count
  </l2ald-mc-ae-arp-install-count>
  <l2ald-mc-ae-arp-local-drop-count>
    l2ald-mc-ae-arp-local-drop-count
  </l2ald-mc-ae-arp-local-drop-count>
  <l2ald-mc-ae-arp-remote-drop-count>
    l2ald-mc-ae-arp-remote-drop-count
  </l2ald-mc-ae-arp-remote-drop-count>
</l2ald-mc-ae-arp-entry>

```

**Description**

### <l2ald-mc-ae-arp-entry>

#### Usage

```

<l2ald-rg-information>
  <l2ald-mc-ae-arp-entry>
    <l2ald-mc-ae-rg-id>
      l2ald-mc-ae-rg-id
    </l2ald-mc-ae-rg-id>
    <l2ald-mc-ae-arp-rx-count-from-line>
      l2ald-mc-ae-arp-rx-count-from-line
    </l2ald-mc-ae-arp-rx-count-from-line>
    <l2ald-mc-ae-arp-tx-count-to-peer>
      l2ald-mc-ae-arp-tx-count-to-peer
    </l2ald-mc-ae-arp-tx-count-to-peer>
    <l2ald-mc-ae-arp-rx-count-from-peer>
      l2ald-mc-ae-arp-rx-count-from-peer
    </l2ald-mc-ae-arp-rx-count-from-peer>
  </l2ald-mc-ae-arp-entry>

```

```
<l2ald-mc-ae-arp-install-count>
  l2ald-mc-ae-arp-install-count
</l2ald-mc-ae-arp-install-count>
<l2ald-mc-ae-arp-local-drop-count>
  l2ald-mc-ae-arp-local-drop-count
</l2ald-mc-ae-arp-local-drop-count>
<l2ald-mc-ae-arp-remote-drop-count>
  l2ald-mc-ae-arp-remote-drop-count
</l2ald-mc-ae-arp-remote-drop-count>
</l2ald-mc-ae-arp-entry>
</l2ald-rg-information>
```

#### Description

### <l2ald-mc-ae-mh-remote-mac-entry>

#### Usage

```
<l2ald-mc-ae-mh-remote-mac-entry>
<l2ald-mc-ae-mh-service-id>
  l2ald-mc-ae-mh-service-id
</l2ald-mc-ae-mh-service-id>
<l2ald-mc-ae-mh-vlan-id>
  l2ald-mc-ae-mh-vlan-id
</l2ald-mc-ae-mh-vlan-id>
<l2ald-mc-ae-mh-peer-address>
  l2ald-mc-ae-mh-peer-address
</l2ald-mc-ae-mh-peer-address>
<l2ald-mc-ae-mh-mac-address>
  l2ald-mc-ae-mh-mac-address
</l2ald-mc-ae-mh-mac-address>
<l2ald-mc-ae-mh-mcae-id>
  l2ald-mc-ae-mh-mcae-id
</l2ald-mc-ae-mh-mcae-id>
<l2ald-mc-ae-mh-unit-num>
  l2ald-mc-ae-mh-unit-num
</l2ald-mc-ae-mh-unit-num>
<l2ald-mc-ae-mh-rtm-op>
  l2ald-mc-ae-mh-rtm-op
</l2ald-mc-ae-mh-rtm-op>
<l2ald-mc-ae-mh-flags>
  l2ald-mc-ae-mh-flags
</l2ald-mc-ae-mh-flags>
<l2ald-mc-ae-mh-status>
  l2ald-mc-ae-mh-status
</l2ald-mc-ae-mh-status>
</l2ald-mc-ae-mh-remote-mac-entry>
```

#### Description

### <l2ald-mc-ae-mh-remote-mac-entry>

#### Usage

```
<l2ald-rg-information>
  <l2ald-mc-ae-mh-remote-mac-entry>
```

```

<l2ald-mc-ae-mh-service-id>
  l2ald-mc-ae-mh-service-id
</l2ald-mc-ae-mh-service-id>
<l2ald-mc-ae-mh-vlan-id>
  l2ald-mc-ae-mh-vlan-id
</l2ald-mc-ae-mh-vlan-id>
<l2ald-mc-ae-mh-peer-address>
  l2ald-mc-ae-mh-peer-address
</l2ald-mc-ae-mh-peer-address>
<l2ald-mc-ae-mh-mac-address>
  l2ald-mc-ae-mh-mac-address
</l2ald-mc-ae-mh-mac-address>
<l2ald-mc-ae-mh-mcae-id>
  l2ald-mc-ae-mh-mcae-id
</l2ald-mc-ae-mh-mcae-id>
<l2ald-mc-ae-mh-unit-num>
  l2ald-mc-ae-mh-unit-num
</l2ald-mc-ae-mh-unit-num>
<l2ald-mc-ae-mh-rtm-op>
  l2ald-mc-ae-mh-rtm-op
</l2ald-mc-ae-mh-rtm-op>
<l2ald-mc-ae-mh-flags>
  l2ald-mc-ae-mh-flags
</l2ald-mc-ae-mh-flags>
<l2ald-mc-ae-mh-status>
  l2ald-mc-ae-mh-status
</l2ald-mc-ae-mh-status>
</l2ald-mc-ae-mh-remote-mac-entry>
</l2ald-rg-information>

```

## Description

### <l2ald-mc-ae-rg-entry>

#### Usage

```

<l2ald-mc-ae-rg-entry>
<l2ald-mc-ae-rg-id>
  l2ald-mc-ae-rg-id
</l2ald-mc-ae-rg-id>
<l2ald-mc-ae-rg-flags>
  l2ald-mc-ae-rg-flags
</l2ald-mc-ae-rg-flags>
<l2ald-mc-ae-rg-ref-count>
  l2ald-mc-ae-rg-ref-count
</l2ald-mc-ae-rg-ref-count>
<l2ald-mc-ae-rg-tx-count>
  l2ald-mc-ae-rg-tx-count
</l2ald-mc-ae-rg-tx-count>
<l2ald-mc-ae-rg-rx-count>
  l2ald-mc-ae-rg-rx-count
</l2ald-mc-ae-rg-rx-count>
<l2ald-mc-ae-rg-disconnect-count>
  l2ald-mc-ae-rg-disconnect-count
</l2ald-mc-ae-rg-disconnect-count>

```

</l2ald-mc-ae-rg-entry>

#### Description

<l2ald-mc-ae-rg-entry>

#### Usage

```
<l2ald-rg-information>
  <l2ald-mc-ae-rg-entry>
    <l2ald-mc-ae-rg-id>
      l2ald-mc-ae-rg-id
    </l2ald-mc-ae-rg-id>
    <l2ald-mc-ae-rg-flags>
      l2ald-mc-ae-rg-flags
    </l2ald-mc-ae-rg-flags>
    <l2ald-mc-ae-rg-ref-count>
      l2ald-mc-ae-rg-ref-count
    </l2ald-mc-ae-rg-ref-count>
    <l2ald-mc-ae-rg-tx-count>
      l2ald-mc-ae-rg-tx-count
    </l2ald-mc-ae-rg-tx-count>
    <l2ald-mc-ae-rg-rx-count>
      l2ald-mc-ae-rg-rx-count
    </l2ald-mc-ae-rg-rx-count>
    <l2ald-mc-ae-rg-disconnect-count>
      l2ald-mc-ae-rg-disconnect-count
    </l2ald-mc-ae-rg-disconnect-count>
  </l2ald-mc-ae-rg-entry>
</l2ald-rg-information>
```

#### Description

<l2ald-mc-ae-sh-remote-mac-entry>

#### Usage

```
<l2ald-mc-ae-sh-remote-mac-entry>
  <l2ald-mc-ae-sh-service-id>
    l2ald-mc-ae-sh-service-id
  </l2ald-mc-ae-sh-service-id>
  <l2ald-mc-ae-sh-vlan-id>
    l2ald-mc-ae-sh-vlan-id
  </l2ald-mc-ae-sh-vlan-id>
  <l2ald-mc-ae-sh-peer-address>
    l2ald-mc-ae-sh-peer-address
  </l2ald-mc-ae-sh-peer-address>
  <l2ald-mc-ae-sh-mac-address>
    l2ald-mc-ae-sh-mac-address
  </l2ald-mc-ae-sh-mac-address>
  <l2ald-mc-ae-sh-rtm-op>
    l2ald-mc-ae-sh-rtm-op
  </l2ald-mc-ae-sh-rtm-op>
  <l2ald-mc-ae-sh-flags>
    l2ald-mc-ae-sh-flags
  </l2ald-mc-ae-sh-flags>
```

```

    <l2ald-mc-ae-sh-status>
      l2ald-mc-ae-sh-status
    </l2ald-mc-ae-sh-status>
  </l2ald-mc-ae-sh-remote-mac-entry>

```

#### Description

### <l2ald-mc-ae-sh-remote-mac-entry>

#### Usage

```

<l2ald-rg-information>
  <l2ald-mc-ae-sh-remote-mac-entry>
    <l2ald-mc-ae-sh-service-id>
      l2ald-mc-ae-sh-service-id
    </l2ald-mc-ae-sh-service-id>
    <l2ald-mc-ae-sh-vlan-id>
      l2ald-mc-ae-sh-vlan-id
    </l2ald-mc-ae-sh-vlan-id>
    <l2ald-mc-ae-sh-peer-address>
      l2ald-mc-ae-sh-peer-address
    </l2ald-mc-ae-sh-peer-address>
    <l2ald-mc-ae-sh-mac-address>
      l2ald-mc-ae-sh-mac-address
    </l2ald-mc-ae-sh-mac-address>
    <l2ald-mc-ae-sh-rtm-op>
      l2ald-mc-ae-sh-rtm-op
    </l2ald-mc-ae-sh-rtm-op>
    <l2ald-mc-ae-sh-flags>
      l2ald-mc-ae-sh-flags
    </l2ald-mc-ae-sh-flags>
    <l2ald-mc-ae-sh-status>
      l2ald-mc-ae-sh-status
    </l2ald-mc-ae-sh-status>
  </l2ald-mc-ae-sh-remote-mac-entry>
</l2ald-rg-information>

```

#### Description

### <l2ald-mvrp-information>

#### Usage

```

<l2ald-mvrp-information>
  <l2ald-ifd-preconfig-entry>....</l2ald-ifd-preconfig-entry>
  <l2ald-server-non-mvrp-ct>
    l2ald-server-non-mvrp-ct
  </l2ald-server-non-mvrp-ct>
  <l2ald-server-mvrp-ct>
    l2ald-server-mvrp-ct
  </l2ald-server-mvrp-ct>
  <l2ald-server-mvrp-join-ct>
    l2ald-server-mvrp-join-ct
  </l2ald-server-mvrp-join-ct>
  <l2ald-server-mvrp-leave-ct>
    l2ald-server-mvrp-leave-ct

```

```
</l2ald-server-mvrp-leave-ct>
</l2ald-mvrp-information>
```

#### Description

### <l2ald-pbbn>

#### Usage

```
<l2ald-pbbn>
  <l2ald-pbbn-entry>....</l2ald-pbbn-entry>
</l2ald-pbbn>
```

#### Description

### <l2ald-pbbn-entry>

#### Usage

```
<l2ald-pbbn-entry>
  <l2pbbn-logical-system>
    l2pbbn-logical-system
  </l2pbbn-logical-system>
  <l2pbbn-rtb>
    l2pbbn-rtb
  </l2pbbn-rtb>
  <l2pbbn-rtb-bb>
    l2pbbn-rtb-bb
  </l2pbbn-rtb-bb>
  <l2pbbn-rtb-pbbn-id>
    l2pbbn-rtb-pbbn-id
  </l2pbbn-rtb-pbbn-id>
  <l2pbbn-pbn-bd>
    l2pbbn-pbn-bd
  </l2pbbn-pbn-bd>
  <l2pbbn-svlan>
    l2pbbn-svlan
  </l2pbbn-svlan>
  <l2pbbn-isid>
    l2pbbn-isid
  </l2pbbn-isid>
  <l2pbbn-bvlan>
    l2pbbn-bvlan
  </l2pbbn-bvlan>
  <l2pbbn-flags>
    l2pbbn-flags
  </l2pbbn-flags>
  <l2pbbn-pbn-bd-index>
    l2pbbn-pbn-bd-index
  </l2pbbn-pbn-bd-index>
  <l2pbbn-pbbn-bd>
    l2pbbn-pbbn-bd
  </l2pbbn-pbbn-bd>
  <l2pbbn-pbbn-bd-index>
    l2pbbn-pbbn-bd-index
  </l2pbbn-pbbn-bd-index>
```

```

<l2pbbn-generation>
  l2pbbn-generation
</l2pbbn-generation>
<l2pbbn-sequence-number>
  l2pbbn-sequence-number
</l2pbbn-sequence-number>
<l2pbbn-handle>
  l2pbbn-handle
</l2pbbn-handle>
<l2pbbn-mac-address>
  l2pbbn-mac-address
</l2pbbn-mac-address>
</l2ald-pbbn-entry>

```

### Description

#### <l2ald-pbbn-entry>

### Usage

```

<l2ald-config-pbbn>
  <l2ald-pbbn-entry>
    <l2pbbn-logical-system>
      l2pbbn-logical-system
    </l2pbbn-logical-system>
    <l2pbbn-rtb>
      l2pbbn-rtb
    </l2pbbn-rtb>
    <l2pbbn-rtb-bb>
      l2pbbn-rtb-bb
    </l2pbbn-rtb-bb>
    <l2pbbn-rtb-pbbn-id>
      l2pbbn-rtb-pbbn-id
    </l2pbbn-rtb-pbbn-id>
    <l2pbbn-pbn-bd>
      l2pbbn-pbn-bd
    </l2pbbn-pbn-bd>
    <l2pbbn-svlan>
      l2pbbn-svlan
    </l2pbbn-svlan>
    <l2pbbn-isid>
      l2pbbn-isid
    </l2pbbn-isid>
    <l2pbbn-bvlan>
      l2pbbn-bvlan
    </l2pbbn-bvlan>
    <l2pbbn-flags>
      l2pbbn-flags
    </l2pbbn-flags>
    <l2pbbn-pbn-bd-index>
      l2pbbn-pbn-bd-index
    </l2pbbn-pbn-bd-index>
    <l2pbbn-pbbn-bd>
      l2pbbn-pbbn-bd
    </l2pbbn-pbbn-bd>
    <l2pbbn-pbbn-bd-index>

```

```
    l2pbbn-pbbn-bd-index
  </l2pbbn-pbbn-bd-index>
  <l2pbbn-generation>
    l2pbbn-generation
  </l2pbbn-generation>
  <l2pbbn-sequence-number>
    l2pbbn-sequence-number
  </l2pbbn-sequence-number>
  <l2pbbn-handle>
    l2pbbn-handle
  </l2pbbn-handle>
  <l2pbbn-mac-address>
    l2pbbn-mac-address
  </l2pbbn-mac-address>
</l2ald-pbbn-entry>
</l2ald-config-pbbn>
```

## Description

### <l2ald-pbbn-entry>

#### Usage

```
<l2ald-pbbn>
  <l2ald-pbbn-entry>
    <l2pbbn-logical-system>
      l2pbbn-logical-system
    </l2pbbn-logical-system>
    <l2pbbn-rtb>
      l2pbbn-rtb
    </l2pbbn-rtb>
    <l2pbbn-rtb-bb>
      l2pbbn-rtb-bb
    </l2pbbn-rtb-bb>
    <l2pbbn-rtb-pbbn-id>
      l2pbbn-rtb-pbbn-id
    </l2pbbn-rtb-pbbn-id>
    <l2pbbn-pbn-bd>
      l2pbbn-pbn-bd
    </l2pbbn-pbn-bd>
    <l2pbbn-svlan>
      l2pbbn-svlan
    </l2pbbn-svlan>
    <l2pbbn-isisd>
      l2pbbn-isisd
    </l2pbbn-isisd>
    <l2pbbn-bvlan>
      l2pbbn-bvlan
    </l2pbbn-bvlan>
    <l2pbbn-flags>
      l2pbbn-flags
    </l2pbbn-flags>
    <l2pbbn-pbn-bd-index>
      l2pbbn-pbn-bd-index
    </l2pbbn-pbn-bd-index>
  <l2pbbn-pbbn-bd>
```



```

    l2pbbn-pbbn-bd
  </l2pbbn-pbbn-bd>
  <l2pbbn-pbbn-bd-index>
    l2pbbn-pbbn-bd-index
  </l2pbbn-pbbn-bd-index>
  <l2pbbn-generation>
    l2pbbn-generation
  </l2pbbn-generation>
  <l2pbbn-sequence-number>
    l2pbbn-sequence-number
  </l2pbbn-sequence-number>
  <l2pbbn-handle>
    l2pbbn-handle
  </l2pbbn-handle>
  <l2pbbn-mac-address>
    l2pbbn-mac-address
  </l2pbbn-mac-address>
</l2ald-pbbn-entry>
</l2ald-pbbn>

```

#### Description

### <l2ald-pbn>

#### Usage

```

<l2ald-pbn>
  <l2ald-pbn-entry> .... </l2ald-pbn-entry>
</l2ald-pbn>

```

#### Description

### <l2ald-pbn-entry>

#### Usage

```

<l2ald-pbn-entry>
  <l2pbn-logical-system>
    l2pbn-logical-system
  </l2pbn-logical-system>
  <l2pbn-rtb>
    l2pbn-rtb
  </l2pbn-rtb>
  <l2pbn-rtb-bb>
    l2pbn-rtb-bb
  </l2pbn-rtb-bb>
  <l2pbn-bridging-domain>
    l2pbn-bridging-domain
  </l2pbn-bridging-domain>
  <l2pbn-pbn-bd>
    l2pbn-pbn-bd
  </l2pbn-pbn-bd>
  <l2pbn-pbbn-bd>
    l2pbn-pbbn-bd
  </l2pbn-pbbn-bd>
  <l2pbn-svlan>

```

```
    l2pbn-svlan
  </l2pbn-svlan>
  <l2pbn-isid>
    l2pbn-isid
  </l2pbn-isid>
  <l2pbn-bvlan>
    l2pbn-bvlan
  </l2pbn-bvlan>
  <l2pbn-flags>
    l2pbn-flags
  </l2pbn-flags>
  <l2pbn-pbn-bd-index>
    l2pbn-pbn-bd-index
  </l2pbn-pbn-bd-index>
  <l2pbn-pbbn-bd-index>
    l2pbn-pbbn-bd-index
  </l2pbn-pbbn-bd-index>
  <l2pbn-generation>
    l2pbn-generation
  </l2pbn-generation>
  <l2pbn-sequence-number>
    l2pbn-sequence-number
  </l2pbn-sequence-number>
  <l2pbn-handle>
    l2pbn-handle
  </l2pbn-handle>
  <l2pbn-mac-address>
    l2pbn-mac-address
  </l2pbn-mac-address>
</l2ald-pbn-entry>
```

#### Description

<l2ald-pbn-entry>

#### Usage

```
<l2ald-pbn>
  <l2ald-pbn-entry>
    <l2pbn-logical-system>
      l2pbn-logical-system
    </l2pbn-logical-system>
    <l2pbn-rtb>
      l2pbn-rtb
    </l2pbn-rtb>
    <l2pbn-rtb-bb>
      l2pbn-rtb-bb
    </l2pbn-rtb-bb>
    <l2pbn-bridging-domain>
      l2pbn-bridging-domain
    </l2pbn-bridging-domain>
    <l2pbn-pbn-bd>
      l2pbn-pbn-bd
    </l2pbn-pbn-bd>
    <l2pbn-pbbn-bd>
      l2pbn-pbbn-bd
```

```

</l2pbn-pbbn-bd>
<l2pbn-svlan>
  l2pbn-svlan
</l2pbn-svlan>
<l2pbn-isid>
  l2pbn-isid
</l2pbn-isid>
<l2pbn-bvlan>
  l2pbn-bvlan
</l2pbn-bvlan>
<l2pbn-flags>
  l2pbn-flags
</l2pbn-flags>
<l2pbn-pbn-bd-index>
  l2pbn-pbn-bd-index
</l2pbn-pbn-bd-index>
<l2pbn-pbbn-bd-index>
  l2pbn-pbbn-bd-index
</l2pbn-pbbn-bd-index>
<l2pbn-generation>
  l2pbn-generation
</l2pbn-generation>
<l2pbn-sequence-number>
  l2pbn-sequence-number
</l2pbn-sequence-number>
<l2pbn-handle>
  l2pbn-handle
</l2pbn-handle>
<l2pbn-mac-address>
  l2pbn-mac-address
</l2pbn-mac-address>
</l2ald-pbn-entry>
</l2ald-pbn>

```

## Description

### <l2ald-perf-counters>

#### Usage

```

<l2ald-perf-counters>
  <perf-desc>
    perf-desc
  </perf-desc>
  <perf-count>
    perf-count
  </perf-count>
  <perf-start-time-sec>
    perf-start-time-sec
  </perf-start-time-sec>
  <perf-start-time-usec>
    perf-start-time-usec
  </perf-start-time-usec>
  <perf-end-time-sec>
    perf-end-time-sec
  </perf-end-time-sec>

```

```
<perf-end-time-usec>
  perf-end-time-usec
</perf-end-time-usec>
<perf-diff-time-sec>
  perf-diff-time-sec
</perf-diff-time-sec>
<perf-diff-time-usec>
  perf-diff-time-usec
</perf-diff-time-usec>
</l2ald-perf-counters>
```

**Description** Show L2 address learning performance information

### <l2ald-rbeb-entry>

#### Usage

```
<l2ald-rbeb-entry>
  <l2-rbeb-logical-system>
    l2-rbeb-logical-system
  </l2-rbeb-logical-system>
  <l2-rbeb-routing-instance>
    l2-rbeb-routing-instance
  </l2-rbeb-routing-instance>
  <l2-rbeb-le-index>
    l2-rbeb-le-index
  </l2-rbeb-le-index>
  <l2-rbeb-mac-address>
    l2-rbeb-mac-address
  </l2-rbeb-mac-address>
  <l2-rbeb-time-left-sec>
    l2-rbeb-time-left-sec
  </l2-rbeb-time-left-sec>
  <l2-rbeb-time-left-msec>
    l2-rbeb-time-left-msec
  </l2-rbeb-time-left-msec>
  <l2-rbeb-flags>
    l2-rbeb-flags
  </l2-rbeb-flags>
  <l2-rbeb-state-flags>
    l2-rbeb-state-flags
  </l2-rbeb-state-flags>
</l2ald-rbeb-entry>
```

#### Description

### <l2ald-rbeb-entry>

#### Usage

```
<l2ald-rbeb-information>
  <l2ald-rbeb-entry>
    <l2-rbeb-logical-system>
      l2-rbeb-logical-system
    </l2-rbeb-logical-system>
```

```

<l2-rbeb-routing-instance>
  l2-rbeb-routing-instance
</l2-rbeb-routing-instance>
<l2-rbeb-le-index>
  l2-rbeb-le-index
</l2-rbeb-le-index>
<l2-rbeb-mac-address>
  l2-rbeb-mac-address
</l2-rbeb-mac-address>
<l2-rbeb-time-left-sec>
  l2-rbeb-time-left-sec
</l2-rbeb-time-left-sec>
<l2-rbeb-time-left-msec>
  l2-rbeb-time-left-msec
</l2-rbeb-time-left-msec>
<l2-rbeb-flags>
  l2-rbeb-flags
</l2-rbeb-flags>
<l2-rbeb-state-flags>
  l2-rbeb-state-flags
</l2-rbeb-state-flags>
</l2ald-rbeb-entry>
</l2ald-rbeb-information>

```

#### Description

#### <l2ald-rbeb-information>

##### Usage

```

<l2ald-rbeb-information>
  <l2ald-rbeb-entry>....</l2ald-rbeb-entry>
</l2ald-rbeb-information>

```

#### Description

#### <l2ald-rg-information>

##### Usage

```

<l2ald-rg-information>
  <l2ald-mc-ae-rg-entry>....</l2ald-mc-ae-rg-entry>
  <l2ald-mc-ae-sh-remote-mac-entry>....</l2ald-mc-ae-sh-remote-mac-entry>
  <l2ald-mc-ae-mh-remote-mac-entry>....</l2ald-mc-ae-mh-remote-mac-entry>
  <l2ald-mc-ae-arp-entry>....</l2ald-mc-ae-arp-entry>
</l2ald-rg-information>

```

#### Description

#### <l2ald-rtb-entry>

##### Usage

```

<l2ald-rtb-entry>
  <l2rtb-name>
    l2rtb-name

```

```
</l2rtb-name>
<l2rtb-bridging-domain>
  l2rtb-bridging-domain
</l2rtb-bridging-domain>
<l2rtb-id>
  l2rtb-id
</l2rtb-id>
<l2bd-id>
  l2bd-id
</l2bd-id>
<l2rtb-l2irb-ifl-index>
  l2rtb-l2irb-ifl-index
</l2rtb-l2irb-ifl-index>
<l2bd-vlan-id>
  l2bd-vlan-id
</l2bd-vlan-id>
<l2rtb-logical-system>
  l2rtb-logical-system
</l2rtb-logical-system>
<l2rtb-sequence-number>
  l2rtb-sequence-number
</l2rtb-sequence-number>
<l2rtb-mac-limit>
  l2rtb-mac-limit
</l2rtb-mac-limit>
<l2rtb-macs-learned>
  l2rtb-macs-learned
</l2rtb-macs-learned>
<l2rtb-config-smacs-learned>
  l2rtb-config-smacs-learned
</l2rtb-config-smacs-learned>
<l2rtb-non-config-smacs-learned>
  l2rtb-non-config-smacs-learned
</l2rtb-non-config-smacs-learned>
<l2rtb-flags>
  l2rtb-flags
</l2rtb-flags>
<l2rtb-peer-pbbn-rtb-id>
  l2rtb-peer-pbbn-rtb-id
</l2rtb-peer-pbbn-rtb-id>
<l2rtb-irb-interface>
  l2rtb-irb-interface
</l2rtb-irb-interface>
<l2rtb-irb-interface-index>
  l2rtb-irb-interface-index
</l2rtb-irb-interface-index>
<l2rtb-handle>
  l2rtb-handle
</l2rtb-handle>
<l2rtb-config-bd-vlan>
  l2rtb-config-bd-vlan
</l2rtb-config-bd-vlan>
<l2rtb-config-operation>
  l2rtb-config-operation
</l2rtb-config-operation>
<l2rtb-config-flags>
```

```

    l2rtb-config-flags
  </l2rtb-config-flags>
  <l2rtb-config-params>
    l2rtb-config-params
  </l2rtb-config-params>
  <l2rtb-config-ownership-flags>
    l2rtb-config-ownership-flags
  </l2rtb-config-ownership-flags>
  <l2rtb-config-mvrp-ref-count>
    l2rtb-config-mvrp-ref-count
  </l2rtb-config-mvrp-ref-count>
  <l2rtb-instance-type>
    l2rtb-instance-type
  </l2rtb-instance-type>
  <l2rtb-config-smac-count>
    l2rtb-config-smac-count
  </l2rtb-config-smac-count>
  <l2rtb-rtsock-write-errors>
    l2rtb-rtsock-write-errors
  </l2rtb-rtsock-write-errors>
  <l2rtb-ownership-flags>
    l2rtb-ownership-flags
  </l2rtb-ownership-flags>
  <l2rtb-configured-service-id>
    l2rtb-configured-service-id
  </l2rtb-configured-service-id>
  <l2rtb-active-service-id>
    l2rtb-active-service-id
  </l2rtb-active-service-id>
  <l2rtb-configured-bd-service-id>
    l2rtb-configured-bd-service-id
  </l2rtb-configured-bd-service-id>
  <l2rtb-active-bd-service-id>
    l2rtb-active-bd-service-id
  </l2rtb-active-bd-service-id>
  <l2rtb-configured-rg-id>
    l2rtb-configured-rg-id
  </l2rtb-configured-rg-id>
  <l2rtb-active-rg-id>
    l2rtb-active-rg-id
  </l2rtb-active-rg-id>
</l2ald-rtb-entry>

```

#### Description

<l2ald-rtb-entry>

#### Usage

```

<bridge-statistics-information>
  <l2ald-rtb-entry>
    <l2rtb-name>
      l2rtb-name
    </l2rtb-name>
    <l2rtb-bridging-domain>
      l2rtb-bridging-domain
    
```

```
</l2rtb-bridging-domain>
<l2rtb-id>
  l2rtb-id
</l2rtb-id>
<l2bd-id>
  l2bd-id
</l2bd-id>
<l2rtb-l2irb-ifl-index>
  l2rtb-l2irb-ifl-index
</l2rtb-l2irb-ifl-index>
<l2bd-vlan-id>
  l2bd-vlan-id
</l2bd-vlan-id>
<l2rtb-logical-system>
  l2rtb-logical-system
</l2rtb-logical-system>
<l2rtb-sequence-number>
  l2rtb-sequence-number
</l2rtb-sequence-number>
<l2rtb-mac-limit>
  l2rtb-mac-limit
</l2rtb-mac-limit>
<l2rtb-macs-learned>
  l2rtb-macs-learned
</l2rtb-macs-learned>
<l2rtb-config-smacs-learned>
  l2rtb-config-smacs-learned
</l2rtb-config-smacs-learned>
<l2rtb-non-config-smacs-learned>
  l2rtb-non-config-smacs-learned
</l2rtb-non-config-smacs-learned>
<l2rtb-flags>
  l2rtb-flags
</l2rtb-flags>
<l2rtb-peer-pbbn-rtb-id>
  l2rtb-peer-pbbn-rtb-id
</l2rtb-peer-pbbn-rtb-id>
<l2rtb-irb-interface>
  l2rtb-irb-interface
</l2rtb-irb-interface>
<l2rtb-irb-interface-index>
  l2rtb-irb-interface-index
</l2rtb-irb-interface-index>
<l2rtb-handle>
  l2rtb-handle
</l2rtb-handle>
<l2rtb-config-bd-vlan>
  l2rtb-config-bd-vlan
</l2rtb-config-bd-vlan>
<l2rtb-config-operation>
  l2rtb-config-operation
</l2rtb-config-operation>
<l2rtb-config-flags>
  l2rtb-config-flags
</l2rtb-config-flags>
<l2rtb-config-params>
```



```

    l2rtb-config-params
  </l2rtb-config-params>
  <l2rtb-config-ownership-flags>
    l2rtb-config-ownership-flags
  </l2rtb-config-ownership-flags>
  <l2rtb-config-mvrp-ref-count>
    l2rtb-config-mvrp-ref-count
  </l2rtb-config-mvrp-ref-count>
  <l2rtb-instance-type>
    l2rtb-instance-type
  </l2rtb-instance-type>
  <l2rtb-config-smac-count>
    l2rtb-config-smac-count
  </l2rtb-config-smac-count>
  <l2rtb-rtsock-write-errors>
    l2rtb-rtsock-write-errors
  </l2rtb-rtsock-write-errors>
  <l2rtb-ownership-flags>
    l2rtb-ownership-flags
  </l2rtb-ownership-flags>
  <l2rtb-configured-service-id>
    l2rtb-configured-service-id
  </l2rtb-configured-service-id>
  <l2rtb-active-service-id>
    l2rtb-active-service-id
  </l2rtb-active-service-id>
  <l2rtb-configured-bd-service-id>
    l2rtb-configured-bd-service-id
  </l2rtb-configured-bd-service-id>
  <l2rtb-active-bd-service-id>
    l2rtb-active-bd-service-id
  </l2rtb-active-bd-service-id>
  <l2rtb-configured-rg-id>
    l2rtb-configured-rg-id
  </l2rtb-configured-rg-id>
  <l2rtb-active-rg-id>
    l2rtb-active-rg-id
  </l2rtb-active-rg-id>
</l2ald-rtb-entry>
</bridge-statistics-information>

```

**Description****<l2ald-rtb-if-mac-count>****Usage**

```

<l2ald-rtb-if-mac-count>
  <l2ald-rtb-if-mac-count-entry>....</l2ald-rtb-if-mac-count-entry>
</l2ald-rtb-if-mac-count>

```

**Description** MAC address count for all the interfaces in the routing instance

## <l2ald-rtb-if-mac-count>

### Usage

```
<l2ald-rtb-mac-count>
  <l2ald-rtb-mac-count-entry>
    <l2ald-rtb-if-mac-count>
      <l2ald-rtb-if-mac-count-entry>....</l2ald-rtb-if-mac-count-entry>
    </l2ald-rtb-if-mac-count>
  </l2ald-rtb-mac-count-entry>
</l2ald-rtb-mac-count>
```

**Description** MAC address count for all the interfaces in the routing instance

## <l2ald-rtb-if-mac-count-entry>

### Usage

```
<l2ald-rtb-if-mac-count>
  <l2ald-rtb-if-mac-count-entry>
    <interface-name>
      interface-name
    </interface-name>
    <mac-count>
      mac-count
    </mac-count>
  </l2ald-rtb-if-mac-count-entry>
</l2ald-rtb-if-mac-count>
```

### Description

## <l2ald-rtb-if-mac-count-entry>

### Usage

```
<l2ald-rtb-mac-count>
  <l2ald-rtb-mac-count-entry>
    <l2ald-rtb-if-mac-count>
      <l2ald-rtb-if-mac-count-entry>
        <interface-name>
          interface-name
        </interface-name>
        <mac-count>
          mac-count
        </mac-count>
      </l2ald-rtb-if-mac-count-entry>
    </l2ald-rtb-if-mac-count>
  </l2ald-rtb-mac-count-entry>
</l2ald-rtb-mac-count>
```

### Description

### <l2ald-rtb-learn-vlan-mac-count>

#### Usage

```

<l2ald-rtb-learn-vlan-mac-count>
<l2ald-rtb-learn-vlan-mac-count-entry>....</l2ald-rtb-learn-vlan-mac-count-entry>

</l2ald-rtb-learn-vlan-mac-count>

```

**Description** MAC address count for all the learn vlans within the routing instance

### <l2ald-rtb-learn-vlan-mac-count>

#### Usage

```

<l2ald-rtb-mac-count>
<l2ald-rtb-mac-count-entry>
<l2ald-rtb-learn-vlan-mac-count>

<l2ald-rtb-learn-vlan-mac-count-entry>....</l2ald-rtb-learn-vlan-mac-count-entry>
</l2ald-rtb-learn-vlan-mac-count>
</l2ald-rtb-mac-count-entry>
</l2ald-rtb-mac-count>

```

**Description** MAC address count for all the learn vlans within the routing instance

### <l2ald-rtb-learn-vlan-mac-count-entry>

#### Usage

```

<l2ald-rtb-learn-vlan-mac-count>
<l2ald-rtb-learn-vlan-mac-count-entry>
<learn-vlan>
  learn-vlan
</learn-vlan>
<mac-count>
  mac-count
</mac-count>
</l2ald-rtb-learn-vlan-mac-count-entry>
</l2ald-rtb-learn-vlan-mac-count>

```

#### Description

### <l2ald-rtb-learn-vlan-mac-count-entry>

#### Usage

```

<l2ald-rtb-mac-count>
<l2ald-rtb-mac-count-entry>
<l2ald-rtb-learn-vlan-mac-count>
<l2ald-rtb-learn-vlan-mac-count-entry>
<learn-vlan>
  learn-vlan
</learn-vlan>
<mac-count>

```

```
        mac-count
      </mac-count>
    </l2ald-rtb-learn-vlan-mac-count-entry>
  </l2ald-rtb-learn-vlan-mac-count>
</l2ald-rtb-mac-count-entry>
</l2ald-rtb-mac-count>
```

#### Description

### <l2ald-rtb-mac-count>

#### Usage

```
<l2ald-rtb-mac-count>
  <l2ald-rtb-mac-count-entry>....</l2ald-rtb-mac-count-entry>
</l2ald-rtb-mac-count>
```

#### Description

### <l2ald-rtb-mac-count-entry>

#### Usage

```
<l2ald-rtb-mac-count>
  <l2ald-rtb-mac-count-entry>
    <rtb-name>
      rtb-name
    </rtb-name>
    <bd-name>
      bd-name
    </bd-name>
    <rtb-mac-count>
      rtb-mac-count
    </rtb-mac-count>
    <l2ald-rtb-if-mac-count>....</l2ald-rtb-if-mac-count>
    <l2ald-rtb-learn-vlan-mac-count>....</l2ald-rtb-learn-vlan-mac-count>
  </l2ald-rtb-mac-count-entry>
</l2ald-rtb-mac-count>
```

#### Description

### <l2ald-rtb-mac-learn-count>

#### Usage

```
<l2ald-rtb-mac-learn-count>
  <l2ald-rtb-mac-learn-address>
    l2ald-rtb-mac-learn-address
  </l2ald-rtb-mac-learn-address>
  <l2ald-rtb-mac-learn-num-times>
    l2ald-rtb-mac-learn-num-times
  </l2ald-rtb-mac-learn-num-times>
</l2ald-rtb-mac-learn-count>
```

#### Description

### <l2ald-rtb-macdb>

#### Usage

```

<l2ald-rtb-macdb>
  <l2ald-macdb-rtb-name>
    l2ald-macdb-rtb-name
  </l2ald-macdb-rtb-name>
  <l2ald-mac-entry>....</l2ald-mac-entry>
</l2ald-rtb-macdb>

```

#### Description

### <l2ald-vpls-flood-event-info>

#### Usage

```

<l2ald-vpls-flood-event-info>
  <event-name>
    event-name
  </event-name>
  <event-type>
    event-type
  </event-type>
  <event-owner>
    event-owner
  </event-owner>
  <event-op>
    event-op
  </event-op>
  <event-error>
    event-error
  </event-error>
</l2ald-vpls-flood-event-info>

```

#### Description

### <l2ald-vpls-flood-event-info>

#### Usage

```

<l2ald-vpls-flood-next-event>
  <l2ald-vpls-flood-event-info>
    <event-name>
      event-name
    </event-name>
    <event-type>
      event-type
    </event-type>
    <event-owner>
      event-owner
    </event-owner>
    <event-op>
      event-op
    </event-op>
    <event-error>

```

```
    event-error
  </event-error>
</l2ald-vpls-flood-event-info>
</l2ald-vpls-flood-next-event>
```

#### Description

### <l2ald-vpls-flood-event-info>

#### Usage

```
<l2ald-vpls-flood-event-list>
  <l2ald-vpls-flood-event-info>
    <event-name>
      event-name
    </event-name>
    <event-type>
      event-type
    </event-type>
    <event-owner>
      event-owner
    </event-owner>
    <event-op>
      event-op
    </event-op>
    <event-error>
      event-error
    </event-error>
  </l2ald-vpls-flood-event-info>
</l2ald-vpls-flood-event-list>
```

#### Description

### <l2ald-vpls-flood-event-info>

#### Usage

```
<l2ald-vpls-flood-event-queue>
  <l2ald-vpls-flood-next-event>
    <l2ald-vpls-flood-event-info>
      <event-name>
        event-name
      </event-name>
      <event-type>
        event-type
      </event-type>
      <event-owner>
        event-owner
      </event-owner>
      <event-op>
        event-op
      </event-op>
      <event-error>
        event-error
      </event-error>
    </l2ald-vpls-flood-event-info>
  </l2ald-vpls-flood-event-queue>
```

```
</l2ald-vpls-flood-next-event>
</l2ald-vpls-flood-event-queue>
```

#### Description

### <l2ald-vpls-flood-event-info>

#### Usage

```
<l2ald-vpls-flood-event-queue>
<l2ald-vpls-flood-event-list>
  <l2ald-vpls-flood-event-info>
    <event-name>
      event-name
    </event-name>
    <event-type>
      event-type
    </event-type>
    <event-owner>
      event-owner
    </event-owner>
    <event-op>
      event-op
    </event-op>
    <event-error>
      event-error
    </event-error>
  </l2ald-vpls-flood-event-info>
</l2ald-vpls-flood-event-list>
</l2ald-vpls-flood-event-queue>
```

#### Description

### <l2ald-vpls-flood-event-list>

#### Usage

```
<l2ald-vpls-flood-event-list>
  <l2ald-vpls-flood-event-info>....</l2ald-vpls-flood-event-info>
</l2ald-vpls-flood-event-list>
```

#### Description

### <l2ald-vpls-flood-event-list>

#### Usage

```
<l2ald-vpls-flood-event-queue>
  <l2ald-vpls-flood-event-list>
    <l2ald-vpls-flood-event-info>....</l2ald-vpls-flood-event-info>
  </l2ald-vpls-flood-event-list>
</l2ald-vpls-flood-event-queue>
```

#### Description

### <l2ald-vpls-flood-event-queue>

#### Usage

```
<l2ald-vpls-flood-event-queue>
  <l2ald-vpls-flood-next-event>....</l2ald-vpls-flood-next-event>
  <l2ald-vpls-flood-event-list>....</l2ald-vpls-flood-event-list>
</l2ald-vpls-flood-event-queue>
```

#### Description

### <l2ald-vpls-flood-instance>

#### Usage

```
<l2ald-vpls-flood-instance>
  <l2ald-vpls-lr-information>....</l2ald-vpls-lr-information>
</l2ald-vpls-flood-instance>
```

#### Description

### <l2ald-vpls-flood-instance-information>

#### Usage

```
<l2ald-vpls-flood-instance-information>
  <instance-name>
    instance-name
  </instance-name>
  <bridging-domain>
    bridging-domain
  </bridging-domain>
  <num-active-ce-iffs>
    num-active-ce-iffs
  </num-active-ce-iffs>
  <num-active-ve-iffs>
    num-active-ve-iffs
  </num-active-ve-iffs>
  <bridge-domain-name>
    bridge-domain-name
  </bridge-domain-name>
  <flood-route>....</flood-route>
</l2ald-vpls-flood-instance-information>
```

#### Description

### <l2ald-vpls-flood-instance-information>

#### Usage

```
<l2ald-vpls-lr-information>
  <l2ald-vpls-flood-instance-information>
    <instance-name>
      instance-name
    </instance-name>
    <bridging-domain>
```



```

    bridging-domain
  </bridging-domain>
  <num-active-ce-iffs>
    num-active-ce-iffs
  </num-active-ce-iffs>
  <num-active-ve-iffs>
    num-active-ve-iffs
  </num-active-ve-iffs>
  <bridge-domain-name>
    bridge-domain-name
  </bridge-domain-name>
  <flood-route>....</flood-route>
</l2ald-vpls-flood-instance-information>
</l2ald-vpls-lr-information>

```

#### Description

### <l2ald-vpls-flood-instance-information>

#### Usage

```

<l2ald-vpls-flood-instance>
  <l2ald-vpls-lr-information>
    <l2ald-vpls-flood-instance-information>
      <instance-name>
        instance-name
      </instance-name>
      <bridging-domain>
        bridging-domain
      </bridging-domain>
      <num-active-ce-iffs>
        num-active-ce-iffs
      </num-active-ce-iffs>
      <num-active-ve-iffs>
        num-active-ve-iffs
      </num-active-ve-iffs>
      <bridge-domain-name>
        bridge-domain-name
      </bridge-domain-name>
      <flood-route>....</flood-route>
    </l2ald-vpls-flood-instance-information>
  </l2ald-vpls-lr-information>
</l2ald-vpls-flood-instance>

```

#### Description

### <l2ald-vpls-flood-next-event>

#### Usage

```

<l2ald-vpls-flood-next-event>
  <l2ald-vpls-flood-event-info>....</l2ald-vpls-flood-event-info>
</l2ald-vpls-flood-next-event>

```

#### Description

### <l2ald-vpls-flood-next-event>

#### Usage

```
<l2ald-vpls-flood-event-queue>
  <l2ald-vpls-flood-next-event>
    <l2ald-vpls-flood-event-info>....</l2ald-vpls-flood-event-info>
  </l2ald-vpls-flood-next-event>
</l2ald-vpls-flood-event-queue>
```

#### Description

### <l2ald-vpls-flood-route-information>

#### Usage

```
<l2ald-vpls-flood-route-information>
  <flood-route>....</flood-route>
</l2ald-vpls-flood-route-information>
```

#### Description

### <l2ald-vpls-lr-information>

#### Usage

```
<l2ald-vpls-lr-information>
  <logical-system-info>....</logical-system-info>

<l2ald-vpls-flood-instance-information>....</l2ald-vpls-flood-instance-information>
</l2ald-vpls-lr-information>
```

#### Description

### <l2ald-vpls-lr-information>

#### Usage

```
<l2ald-vpls-flood-instance>
  <l2ald-vpls-lr-information>
    <logical-system-info>....</logical-system-info>

<l2ald-vpls-flood-instance-information>....</l2ald-vpls-flood-instance-information>
  </l2ald-vpls-lr-information>
</l2ald-vpls-flood-instance>
```

#### Description

### <logical-system-info>

#### Usage

```
<logical-system-info>
  <logical-system-name>
    logical-system-name
  </logical-system-name>
```

```
</logical-system-info>
```

#### Description

```
<logical-system-info>
```

#### Usage

```
<l2ald-vpls-lr-information>
  <logical-system-info>
    <logical-system-name>
      logical-system-name
    </logical-system-name>
  </logical-system-info>
</l2ald-vpls-lr-information>
```

#### Description

```
<logical-system-info>
```

#### Usage

```
<l2ald-vpls-flood-instance>
  <l2ald-vpls-lr-information>
    <logical-system-info>
      <logical-system-name>
        logical-system-name
      </logical-system-name>
    </logical-system-info>
  </l2ald-vpls-lr-information>
</l2ald-vpls-flood-instance>
```

#### Description

```
<logical-system-info>
```

#### Usage

```
<l2ald-bridge-domain-lr-information>
  <logical-system-info>
    <logical-system-name>
      logical-system-name
    </logical-system-name>
  </logical-system-info>
</l2ald-bridge-domain-lr-information>
```

#### Description

```
<logical-system-info>
```

#### Usage

```
<l2ald-bridge-domain-flood-instance>
  <l2ald-bridge-domain-lr-information>
    <logical-system-info>
      <logical-system-name>
```

```
    logical-system-name
  </logical-system-name>
</logical-system-info>
</l2ald-bridge-domain-lr-information>
</l2ald-bridge-domain-flood-instance>
```

**Description**

## Summary of LACP Response Tags

---

### <lacp-interface-information>

**Usage**

```
<lacp-interface-information-list>
  <lacp-interface-information>
    <lag-lacp-header>....</lag-lacp-header>
    <lag-lacp-info>....</lag-lacp-info>
    <lag-lacp-state>....</lag-lacp-state>
    <lag-lacp-protocol>....</lag-lacp-protocol>
  </lacp-interface-information>
</lacp-interface-information-list>
```

**Description** Information about an aggregated interface

### <lacp-interface-information-list>

**Usage**

```
<lacp-interface-information-list>
  <lacp-interface-information>....</lacp-interface-information>
</lacp-interface-information-list>
```

**Description** Information about one or more aggregated interfaces

### <lacp-interface-statistics>

**Usage**

```
<lacp-interface-statistics-list>
  <lacp-interface-statistics>
    <lag-lacp-header>....</lag-lacp-header>
    <lag-lacp-statistics>....</lag-lacp-statistics>
  </lacp-interface-statistics>
</lacp-interface-statistics-list>
```

**Description** Statistics for an aggregated interface

### <lacp-interface-statistics-list>

**Usage**

```
<lacp-interface-statistics-list>
```

```
<lacp-interface-statistics>....</lacp-interface-statistics>
</lacp-interface-statistics-list>
```

**Description** Information about one or more aggregated interfaces

### <lacp-link-switchover>

**Usage**

```
<lacp-link-switchover>
  <aggregate-name>
    aggregate-name
  </aggregate-name>
  <lacp-status>
    lacp-status
  </lacp-status>
</lacp-link-switchover>
```

**Description** LACP Link-switchover request

### <lag-lacp-header>

**Usage**

```
<lag-lacp-header>
  <aggregate-name>
    aggregate-name
  </aggregate-name>
</lag-lacp-header>
```

**Description** LACP header

### <lag-lacp-header>

**Usage**

```
<lacp-interface-information-list>
  <lacp-interface-information>
    <lag-lacp-header>
      <aggregate-name>
        aggregate-name
      </aggregate-name>
    </lag-lacp-header>
  </lacp-interface-information>
</lacp-interface-information-list>
```

**Description** LACP header

### <lag-lacp-header>

**Usage**

```
<lacp-interface-statistics-list>
```

```
<lacp-interface-statistics>
  <lag-lACP-header>
    <aggregate-name>
      aggregate-name
    </aggregate-name>
  </lag-lACP-header>
</lacp-interface-statistics>
</lacp-interface-statistics-list>
```

**Description** LACP header

### <lag-lACP-info>

#### Usage

```
<lag-lACP-info>
  <name>
    name
  </name>
  <lacp-role>
    lacp-role
  </lacp-role>
  <lacp-sys-priority>
    lacp-sys-priority
  </lacp-sys-priority>
  <lacp-system-id>
    lacp-system-id
  </lacp-system-id>
  <lacp-port-priority>
    lacp-port-priority
  </lacp-port-priority>
  <lacp-port-number>
    lacp-port-number
  </lacp-port-number>
  <lacp-port-key>
    lacp-port-key
  </lacp-port-key>
</lag-lACP-info>
```

**Description** LACP information

### <lag-lACP-info>

#### Usage

```
<lacp-interface-information-list>
  <lacp-interface-information>
    <lag-lACP-info>
      <name>
        name
      </name>
      <lacp-role>
        lacp-role
      </lacp-role>
```

```

    <lacp-sys-priority>
      lacp-sys-priority
    </lacp-sys-priority>
    <lacp-system-id>
      lacp-system-id
    </lacp-system-id>
    <lacp-port-priority>
      lacp-port-priority
    </lacp-port-priority>
    <lacp-port-number>
      lacp-port-number
    </lacp-port-number>
    <lacp-port-key>
      lacp-port-key
    </lacp-port-key>
  </lag-lacp-info>
</lacp-interface-information>
</lacp-interface-information-list>

```

**Description** LACP information

### <lag-lacp-protocol>

#### Usage

```

<lag-lacp-protocol>
  <name>
    name
  </name>
  <lacp-receive-state>
    lacp-receive-state
  </lacp-receive-state>
  <lacp-transmit-state>
    lacp-transmit-state
  </lacp-transmit-state>
  <lacp-mux-state>
    lacp-mux-state
  </lacp-mux-state>
</lag-lacp-protocol>

```

**Description** LACP protocol information

### <lag-lacp-protocol>

#### Usage

```

<lacp-interface-information-list>
  <lacp-interface-information>
    <lag-lacp-protocol>
      <name>
        name
      </name>
      <lacp-receive-state>
        lacp-receive-state
    </lag-lacp-protocol>
  </lacp-interface-information>
</lacp-interface-information-list>

```

```
</lacp-receive-state>
<lacp-transmit-state>
  lacp-transmit-state
</lacp-transmit-state>
<lacp-mux-state>
  lacp-mux-state
</lacp-mux-state>
</lag-lacp-protocol>
</lacp-interface-information>
</lacp-interface-information-list>
```

**Description** LACP protocol information

### <lag-lacp-state>

#### Usage

```
<lag-lacp-state>
<name>
  name
</name>
<lacp-role>
  lacp-role
</lacp-role>
<lacp-expired>
  lacp-expired
</lacp-expired>
<lacp-defaulted>
  lacp-defaulted
</lacp-defaulted>
<lacp-distributing>
  lacp-distributing
</lacp-distributing>
<lacp-collecting>
  lacp-collecting
</lacp-collecting>
<lacp-synchronization>
  lacp-synchronization
</lacp-synchronization>
<lacp-aggregation>
  lacp-aggregation
</lacp-aggregation>
<lacp-timeout>
  lacp-timeout
</lacp-timeout>
<lacp-activity>
  lacp-activity
</lacp-activity>
</lag-lacp-state>
```

**Description** LACP protocol state information



**<lag-lACP-state>****Usage**

```

<lag-interface-information-list>
  <lag-interface-information>
    <lag-lACP-state>
      <name>
        name
      </name>
      <lag-role>
        lag-role
      </lag-role>
      <lag-expired>
        lag-expired
      </lag-expired>
      <lag-defaulted>
        lag-defaulted
      </lag-defaulted>
      <lag-distributing>
        lag-distributing
      </lag-distributing>
      <lag-collecting>
        lag-collecting
      </lag-collecting>
      <lag-synchronization>
        lag-synchronization
      </lag-synchronization>
      <lag-aggregation>
        lag-aggregation
      </lag-aggregation>
      <lag-timeout>
        lag-timeout
      </lag-timeout>
      <lag-activity>
        lag-activity
      </lag-activity>
    </lag-lACP-state>
  </lag-interface-information>
</lag-interface-information-list>

```

**Description** LACP protocol state information

**<lag-lACP-statistics>****Usage**

```

<lag-lACP-statistics>
  <name>
    name
  </name>
  <lag-rx-packets>
    lag-rx-packets
  </lag-rx-packets>
  <lag-tx-packets>

```

```
    lacp-tx-packets
  </lacp-tx-packets>
  <unknown-rx-packets>
    unknown-rx-packets
  </unknown-rx-packets>
  <illegal-rx-packets>
    illegal-rx-packets
  </illegal-rx-packets>
</lag-lacp-statistics>
```

#### Description

### <lag-lacp-statistics>

#### Usage

```
<lacp-interface-statistics-list>
  <lacp-interface-statistics>
    <lag-lacp-statistics>
      <name>
        name
      </name>
      <lacp-rx-packets>
        lacp-rx-packets
      </lacp-rx-packets>
      <lacp-tx-packets>
        lacp-tx-packets
      </lacp-tx-packets>
      <unknown-rx-packets>
        unknown-rx-packets
      </unknown-rx-packets>
      <illegal-rx-packets>
        illegal-rx-packets
      </illegal-rx-packets>
    </lag-lacp-statistics>
  </lacp-interface-statistics>
</lacp-interface-statistics-list>
```

#### Description

### <mc-ae-clink>

#### Usage

```
<mc-ae-clink>
  <local-ip>
    local-ip
  </local-ip>
  <remote-ip>
    remote-ip
  </remote-ip>
  <clink-type>
    clink-type
  </clink-type>
  <la-status>
    la-status
```

```

</la-status>
<pa-status>
  pa-status
</pa-status>
<clink-state>
  clink-state
</clink-state>
<vc-id>
  vc-id
</vc-id>
</mc-ae-clink>

```

#### Description

#### <mc-ae-clink>

#### Usage

```

<mc-ae-status-information-list>
  <mc-ae-status-information>
    <mc-ae-clink>
      <local-ip>
        local-ip
      </local-ip>
      <remote-ip>
        remote-ip
      </remote-ip>
      <clink-type>
        clink-type
      </clink-type>
      <la-status>
        la-status
      </la-status>
      <pa-status>
        pa-status
      </pa-status>
      <clink-state>
        clink-state
      </clink-state>
      <vc-id>
        vc-id
      </vc-id>
    </mc-ae-clink>
  </mc-ae-status-information>
</mc-ae-status-information-list>

```

#### Description

#### <mc-ae-ifl-list>

#### Usage

```

<mc-ae-ifl-list>
  <logical-interface>
    logical-interface
  </logical-interface>

```

```
<topology-type>
  topology-type
</topology-type>
<local-logical-interface-state>
  local-logical-interface-state
</local-logical-interface-state>
<peer-logical-interface-state>
  peer-logical-interface-state
</peer-logical-interface-state>
<mcp-state>
  mcp-state
</mcp-state>
</mc-ae-ifl-list>
```

#### Description

### <mc-ae-ifl-list>

#### Usage

```
<mc-ae-status-information-list>
  <mc-ae-status-information>
    <mc-ae-ifl-list>
      <logical-interface>
        logical-interface
      </logical-interface>
      <topology-type>
        topology-type
      </topology-type>
      <local-logical-interface-state>
        local-logical-interface-state
      </local-logical-interface-state>
      <peer-logical-interface-state>
        peer-logical-interface-state
      </peer-logical-interface-state>
      <mcp-state>
        mcp-state
      </mcp-state>
    </mc-ae-ifl-list>
  </mc-ae-status-information>
</mc-ae-status-information-list>
```

#### Description

### <mc-ae-status>

#### Usage

```
<mc-ae-status>
  <member-link>
    member-link
  </member-link>
  <init-sm-state>
    init-sm-state
  </init-sm-state>
  <local-status>
```

```

    local-status
  </local-status>
  <local-state>
    local-state
  </local-state>
  <peer-status>
    peer-status
  </peer-status>
  <peer-state>
    peer-state
  </peer-state>
</mc-ae-status>

```

### Description

#### <mc-ae-status>

#### Usage

```

<mc-ae-status-information-list>
  <mc-ae-status-information>
    <mc-ae-status>
      <member-link>
        member-link
      </member-link>
      <init-sm-state>
        init-sm-state
      </init-sm-state>
      <local-status>
        local-status
      </local-status>
      <local-state>
        local-state
      </local-state>
      <peer-status>
        peer-status
      </peer-status>
      <peer-state>
        peer-state
      </peer-state>
    </mc-ae-status>
  </mc-ae-status-information>
</mc-ae-status-information-list>

```

### Description

#### <mc-ae-status-information>

#### Usage

```

<mc-ae-status-information-list>
  <mc-ae-status-information>
    <mc-ae-status>....</mc-ae-status>
    <mc-ae-ifl-list>....</mc-ae-ifl-list>
    <mc-ae-stitching-peer>....</mc-ae-stitching-peer>
    <mc-ae-clink>....</mc-ae-clink>
  </mc-ae-status-information>
</mc-ae-status-information-list>

```

```
</mc-ae-status-information>
</mc-ae-status-information-list>
```

**Description** Information about an mc-ae

### <mc-ae-status-information-list>

**Usage**

```
<mc-ae-status-information-list>
  <mc-ae-status-information>....</mc-ae-status-information>
</mc-ae-status-information-list>
```

**Description** Information about one or more mc-ae

### <mc-ae-stitching-peer>

**Usage**

```
<mc-ae-stitching-peer>
  <stitching-peer>
    stitching-peer
  </stitching-peer>
</mc-ae-stitching-peer>
```

**Description**

### <mc-ae-stitching-peer>

**Usage**

```
<mc-ae-status-information-list>
  <mc-ae-status-information>
    <mc-ae-stitching-peer>
      <stitching-peer>
        stitching-peer
      </stitching-peer>
    </mc-ae-stitching-peer>
  </mc-ae-status-information>
</mc-ae-status-information-list>
```

**Description**

---

## Summary of Link Fault Management Response Tags

### <lfmd-action-profile-information>

**Usage**

```
<lfmd-information>
  <lfmd-action-profile-information>
    <lfmd-action-profile-name>
      lfmd-action-profile-name
    </lfmd-action-profile-name>
```

```

<lfmd-action-profile-invoke-count>
  lfmd-action-profile-invoke-count
</lfmd-action-profile-invoke-count>
<lfmd-action-profile-execution-count>
  lfmd-action-profile-execution-count
</lfmd-action-profile-execution-count>
</lfmd-action-profile-information>
</lfmd-information>

```

**Description** Link-fault action profile information

### <lfmd-discovery-flags>

#### Usage

```

<lfmd-information>
<lfmd-interface-information>
<lfmd-discovery-flags>
  <lfmd-flag-remote-stable>
    lfmd-flag-remote-stable
  </lfmd-flag-remote-stable>
  <lfmd-flag-remote-evaluating>
    lfmd-flag-remote-evaluating
  </lfmd-flag-remote-evaluating>
  <lfmd-flag-remote-state-valid>
    lfmd-flag-remote-state-valid
  </lfmd-flag-remote-state-valid>
  <lfmd-flag-local-satisfied>
    lfmd-flag-local-satisfied
  </lfmd-flag-local-satisfied>
  <lfmd-flag-local-stable>
    lfmd-flag-local-stable
  </lfmd-flag-local-stable>
  <lfmd-pdu-flags>
    lfmd-pdu-flags
  </lfmd-pdu-flags>
</lfmd-discovery-flags>
</lfmd-interface-information>
</lfmd-information>

```

**Description**

### <lfmd-event-current-frame-error>

#### Usage

```

<lfmd-information>
<lfmd-interface-information>
<lfmd-events>
  <lfmd-events-current>
    <lfmd-event-current-frame-error>
      <lfmd-event-frame-error-window>
        lfmd-event-frame-error-window
      </lfmd-event-frame-error-window>
    <lfmd-event-frame-error-threshold>

```

```
    lfmd-event-frame-error-threshold
  </lfmd-event-frame-error-threshold>
  <lfmd-event-frame-error-count>
    lfmd-event-frame-error-count
  </lfmd-event-frame-error-count>
  <lfmd-event-frame-error-total-count>
    lfmd-event-frame-error-total-count
  </lfmd-event-frame-error-total-count>
  <lfmd-event-frame-count>
    lfmd-event-frame-count
  </lfmd-event-frame-count>
</lfmd-event-current-frame-error>
</lfmd-events-current>
</lfmd-events>
</lfmd-interface-information>
</lfmd-information>
```

**Description** Errored frame event current information

### <lfmd-event-current-symbol-error>

#### Usage

```
<lfmd-information>
  <lfmd-interface-information>
    <lfmd-events>
      <lfmd-events-current>
        <lfmd-event-current-symbol-error>
          <lfmd-event-symbol-error-window>
            lfmd-event-symbol-error-window
          </lfmd-event-symbol-error-window>
          <lfmd-event-symbol-error-threshold>
            lfmd-event-symbol-error-threshold
          </lfmd-event-symbol-error-threshold>
          <lfmd-event-symbol-error-count>
            lfmd-event-symbol-error-count
          </lfmd-event-symbol-error-count>
          <lfmd-event-symbol-error-total-count>
            lfmd-event-symbol-error-total-count
          </lfmd-event-symbol-error-total-count>
          <lfmd-event-symbol-count>
            lfmd-event-symbol-count
          </lfmd-event-symbol-count>
        </lfmd-event-current-symbol-error>
      </lfmd-events-current>
    </lfmd-events>
  </lfmd-interface-information>
</lfmd-information>
```

**Description** Errored symbol period event current information



## <lfmd-event-received-frame-error>

### Usage

```

<lfmd-information>
  <lfmd-interface-information>
    <lfmd-events>
      <lfmd-events-received>
        <lfmd-event-received-frame-error>
          <lfmd-event-received-frame-error-window>
            lfmd-event-received-frame-error-window
          </lfmd-event-received-frame-error-window>
          <lfmd-event-received-frame-error-threshold>
            lfmd-event-received-frame-error-threshold
          </lfmd-event-received-frame-error-threshold>
          <lfmd-event-received-frame-error-count>
            lfmd-event-received-frame-error-count
          </lfmd-event-received-frame-error-count>
          <lfmd-event-received-frame-error-total-count>
            lfmd-event-received-frame-error-total-count
          </lfmd-event-received-frame-error-total-count>
          <lfmd-event-received-frame-count>
            lfmd-event-received-frame-count
          </lfmd-event-received-frame-count>
        </lfmd-event-received-frame-error>
      </lfmd-events-received>
    </lfmd-events>
  </lfmd-interface-information>
</lfmd-information>

```

**Description** Errored frame event information

## <lfmd-event-received-frame-period-error>

### Usage

```

<lfmd-information>
  <lfmd-interface-information>
    <lfmd-events>
      <lfmd-events-received>
        <lfmd-event-received-frame-period-error>
          <lfmd-event-received-frame-period-error-window>
            lfmd-event-received-frame-period-error-window
          </lfmd-event-received-frame-period-error-window>
          <lfmd-event-received-frame-period-error-threshold>
            lfmd-event-received-frame-period-error-threshold
          </lfmd-event-received-frame-period-error-threshold>
          <lfmd-event-received-frame-period-error-count>
            lfmd-event-received-frame-period-error-count
          </lfmd-event-received-frame-period-error-count>
          <lfmd-event-received-frame-period-error-total-count>
            lfmd-event-received-frame-period-error-total-count
          </lfmd-event-received-frame-period-error-total-count>
          <lfmd-event-received-frame-period-count>
            lfmd-event-received-frame-period-count
          </lfmd-event-received-frame-period-count>
        </lfmd-event-received-frame-period-error>
      </lfmd-events-received>
    </lfmd-events>
  </lfmd-interface-information>
</lfmd-information>

```

```
        </lfmd-event-received-frame-period-count>
      </lfmd-event-received-frame-period-error>
    </lfmd-events-received>
  </lfmd-events>
</lfmd-interface-information>
</lfmd-information>
```

**Description** Errored frame period event information

### <lfmd-event-received-frame-seconds-error>

#### Usage

```
<lfmd-information>
  <lfmd-interface-information>
    <lfmd-events>
      <lfmd-events-received>
        <lfmd-event-received-frame-seconds-error>
          <lfmd-event-received-frame-seconds-error-window>
            lfmd-event-received-frame-seconds-error-window
          </lfmd-event-received-frame-seconds-error-window>
          <lfmd-event-received-frame-seconds-error-threshold>
            lfmd-event-received-frame-seconds-error-threshold
          </lfmd-event-received-frame-seconds-error-threshold>
          <lfmd-event-received-frame-seconds-error-count>
            lfmd-event-received-frame-seconds-error-count
          </lfmd-event-received-frame-seconds-error-count>
          <lfmd-event-received-frame-seconds-error-total-count>
            lfmd-event-received-frame-seconds-error-total-count
          </lfmd-event-received-frame-seconds-error-total-count>
          <lfmd-event-received-frame-seconds-count>
            lfmd-event-received-frame-seconds-count
          </lfmd-event-received-frame-seconds-count>
        </lfmd-event-received-frame-seconds-error>
      </lfmd-events-received>
    </lfmd-events>
  </lfmd-interface-information>
</lfmd-information>
```

**Description** Errored frame seconds event information

### <lfmd-event-received-symbol-error>

#### Usage

```
<lfmd-information>
  <lfmd-interface-information>
    <lfmd-events>
      <lfmd-events-received>
        <lfmd-event-received-symbol-error>
          <lfmd-event-received-symbol-error-window>
            lfmd-event-received-symbol-error-window
          </lfmd-event-received-symbol-error-window>
          <lfmd-event-received-symbol-error-threshold>
```

```

    lfmd-event-received-symbol-error-threshold
  </lfmd-event-received-symbol-error-threshold>
  <lfmd-event-received-symbol-error-count>
    lfmd-event-received-symbol-error-count
  </lfmd-event-received-symbol-error-count>
  <lfmd-event-received-symbol-error-total-count>
    lfmd-event-received-symbol-error-total-count
  </lfmd-event-received-symbol-error-total-count>
  <lfmd-event-received-symbol-count>
    lfmd-event-received-symbol-count
  </lfmd-event-received-symbol-count>
</lfmd-event-received-symbol-error>
</lfmd-events-received>
</lfmd-events>
</lfmd-interface-information>
</lfmd-information>

```

**Description** Errored symbol period event information

### <lfmd-event-transmitted-frame-error>

#### Usage

```

<lfmd-information>
  <lfmd-interface-information>
    <lfmd-events>
      <lfmd-events-transmitted>
        <lfmd-event-transmitted-frame-error>
          <lfmd-event-transmitted-frame-error-window>
            lfmd-event-transmitted-frame-error-window
          </lfmd-event-transmitted-frame-error-window>
          <lfmd-event-transmitted-frame-error-threshold>
            lfmd-event-transmitted-frame-error-threshold
          </lfmd-event-transmitted-frame-error-threshold>
          <lfmd-event-transmitted-frame-error-count>
            lfmd-event-transmitted-frame-error-count
          </lfmd-event-transmitted-frame-error-count>
          <lfmd-event-transmitted-frame-error-total-count>
            lfmd-event-transmitted-frame-error-total-count
          </lfmd-event-transmitted-frame-error-total-count>
          <lfmd-event-transmitted-frame-count>
            lfmd-event-transmitted-frame-count
          </lfmd-event-transmitted-frame-count>
        </lfmd-event-transmitted-frame-error>
      </lfmd-events-transmitted>
    </lfmd-events>
  </lfmd-interface-information>
</lfmd-information>

```

**Description** Errored frame event information

## <lfmd-event-transmitted-symbol-error>

### Usage

```
<lfmd-information>
  <lfmd-interface-information>
    <lfmd-events>
      <lfmd-events-transmitted>
        <lfmd-event-transmitted-symbol-error>
          <lfmd-event-transmitted-symbol-error-window>
            lfmd-event-transmitted-symbol-error-window
          </lfmd-event-transmitted-symbol-error-window>
          <lfmd-event-transmitted-symbol-error-threshold>
            lfmd-event-transmitted-symbol-error-threshold
          </lfmd-event-transmitted-symbol-error-threshold>
          <lfmd-event-transmitted-symbol-error-count>
            lfmd-event-transmitted-symbol-error-count
          </lfmd-event-transmitted-symbol-error-count>
          <lfmd-event-transmitted-symbol-error-total-count>
            lfmd-event-transmitted-symbol-error-total-count
          </lfmd-event-transmitted-symbol-error-total-count>
          <lfmd-event-transmitted-symbol-count>
            lfmd-event-transmitted-symbol-count
          </lfmd-event-transmitted-symbol-count>
        </lfmd-event-transmitted-symbol-error>
      </lfmd-events-transmitted>
    </lfmd-events>
  </lfmd-interface-information>
</lfmd-information>
```

**Description** Errored symbol period event information

## <lfmd-events>

### Usage

```
<lfmd-information>
  <lfmd-interface-information>
    <lfmd-events>
      <lfmd-events-received>....</lfmd-events-received>
      <lfmd-events-transmitted>....</lfmd-events-transmitted>
      <lfmd-events-current>....</lfmd-events-current>
    </lfmd-events>
  </lfmd-interface-information>
</lfmd-information>
```

**Description** Event information

## <lfmd-events-current>

### Usage

```
<lfmd-information>
  <lfmd-interface-information>
    <lfmd-events>
```

```

    <lfmd-events-current>
      <lfmd-event-current-symbol-error>....</lfmd-event-current-symbol-error>
      <lfmd-event-current-frame-error>....</lfmd-event-current-frame-error>
    </lfmd-events-current>
  </lfmd-events>
</lfmd-interface-information>
</lfmd-information>

```

**Description** Current link events

### <lfmd-events-received>

#### Usage

```

<lfmd-information>
  <lfmd-interface-information>
    <lfmd-events>
      <lfmd-events-received>
        <lfmd-event-received-symbol-error>....</lfmd-event-received-symbol-error>

        <lfmd-event-received-frame-error>....</lfmd-event-received-frame-error>

        <lfmd-event-received-frame-period-error>....</lfmd-event-received-frame-period-error>

        <lfmd-event-received-frame-seconds-error>....</lfmd-event-received-frame-seconds-error>

      </lfmd-events-received>
    </lfmd-events>
  </lfmd-interface-information>
</lfmd-information>

```

**Description** Received link events

### <lfmd-events-transmitted>

#### Usage

```

<lfmd-information>
  <lfmd-interface-information>
    <lfmd-events>
      <lfmd-events-transmitted>

        <lfmd-event-transmitted-symbol-error>....</lfmd-event-transmitted-symbol-error>

        <lfmd-event-transmitted-frame-error>....</lfmd-event-transmitted-frame-error>
      </lfmd-events-transmitted>
    </lfmd-events>
  </lfmd-interface-information>
</lfmd-information>

```

**Description** Transmitted link events

## <lfmd-information>

### Usage

```
<lfmd-information>
  <lfmd-interface-information>....</lfmd-interface-information>
  <lfmd-action-profile-information>....</lfmd-action-profile-information>
</lfmd-information>
```

**Description** Information about the Link-Fault Management protocol

## <lfmd-interface-information>

### Usage

```
<lfmd-information>
  <lfmd-interface-information>
    <lfmd-interface-name>
      lfmd-interface-name
    </lfmd-interface-name>
    <lfmd-status>
      lfmd-status
    </lfmd-status>
    <lfmd-discovery-state>
      lfmd-discovery-state
    </lfmd-discovery-state>
    <lfmd-discovery-flags>....</lfmd-discovery-flags>
    <lfmd-peer-address>
      lfmd-peer-address
    </lfmd-peer-address>
    <lfmd-peer-mux-action>
      lfmd-peer-mux-action
    </lfmd-peer-mux-action>
    <lfmd-peer-parser-action>
      lfmd-peer-parser-action
    </lfmd-peer-parser-action>
    <lfmd-peer-config-mode>
      lfmd-peer-config-mode
    </lfmd-peer-config-mode>
    <lfmd-peer-config-unidirectional>
      lfmd-peer-config-unidirectional
    </lfmd-peer-config-unidirectional>
    <lfmd-peer-config-loopback>
      lfmd-peer-config-loopback
    </lfmd-peer-config-loopback>
    <lfmd-peer-config-link-events>
      lfmd-peer-config-link-events
    </lfmd-peer-config-link-events>
    <lfmd-peer-config-variable-request>
      lfmd-peer-config-variable-request
    </lfmd-peer-config-variable-request>
    <lfmd-loopback-local-enabled>
      lfmd-loopback-local-enabled
    </lfmd-loopback-local-enabled>
    <lfmd-loopback-remote-enabled>
```

```

    lfmd-loopback-remote-enabled
  </lfmd-loopback-remote-enabled>
  <lfmd-statistics>....</lfmd-statistics>
  <lfmd-events>....</lfmd-events>
</lfmd-interface-information>
</lfmd-information>

```

**Description** Link-fault management information for one or more interfaces

### <lfmd-statistics>

#### Usage

```

<lfmd-information>
  <lfmd-interface-information>
    <lfmd-statistics>
      <lfmd-statistics-received>....</lfmd-statistics-received>
      <lfmd-statistics-transmitted>....</lfmd-statistics-transmitted>
    </lfmd-statistics>
  </lfmd-interface-information>
</lfmd-information>

```

**Description** Interface statistics

### <lfmd-statistics-received>

#### Usage

```

<lfmd-information>
  <lfmd-interface-information>
    <lfmd-statistics>
      <lfmd-statistics-received>
        <lfmd-information-pdus-received>
          lfmd-information-pdus-received
        </lfmd-information-pdus-received>
        <lfmd-event-pdus-received>
          lfmd-event-pdus-received
        </lfmd-event-pdus-received>
        <lfmd-variable-request-pdus-received>
          lfmd-variable-request-pdus-received
        </lfmd-variable-request-pdus-received>
        <lfmd-variable-response-pdus-received>
          lfmd-variable-response-pdus-received
        </lfmd-variable-response-pdus-received>
        <lfmd-loopback-control-pdus-received>
          lfmd-loopback-control-pdus-received
        </lfmd-loopback-control-pdus-received>
        <lfmd-organization-pdus-received>
          lfmd-organization-pdus-received
        </lfmd-organization-pdus-received>
        <lfmd-unknown-pdus-received>
          lfmd-unknown-pdus-received
        </lfmd-unknown-pdus-received>
        <lfmd-critical-event-received>

```

```
    lfmd-critical-event-received
  </lfmd-critical-event-received>
  <lfmd-dying-gasp-received>
    lfmd-dying-gasp-received
  </lfmd-dying-gasp-received>
  <lfmd-link-fault-received>
    lfmd-link-fault-received
  </lfmd-link-fault-received>
</lfmd-statistics-received>
</lfmd-statistics>
</lfmd-interface-information>
</lfmd-information>
```

**Description** OAM receive statistics

### <lfmd-statistics-transmitted>

#### Usage

```
<lfmd-information>
  <lfmd-interface-information>
    <lfmd-statistics>
      <lfmd-statistics-transmitted>
        <lfmd-information-pdus-transmitted>
          lfmd-information-pdus-transmitted
        </lfmd-information-pdus-transmitted>
        <lfmd-event-pdus-transmitted>
          lfmd-event-pdus-transmitted
        </lfmd-event-pdus-transmitted>
        <lfmd-variable-request-pdus-transmitted>
          lfmd-variable-request-pdus-transmitted
        </lfmd-variable-request-pdus-transmitted>
        <lfmd-variable-response-pdus-transmitted>
          lfmd-variable-response-pdus-transmitted
        </lfmd-variable-response-pdus-transmitted>
        <lfmd-loopback-control-pdus-transmitted>
          lfmd-loopback-control-pdus-transmitted
        </lfmd-loopback-control-pdus-transmitted>
        <lfmd-organization-pdus-transmitted>
          lfmd-organization-pdus-transmitted
        </lfmd-organization-pdus-transmitted>
        <lfmd-unknown-pdus-transmitted>
          lfmd-unknown-pdus-transmitted
        </lfmd-unknown-pdus-transmitted>
      </lfmd-statistics-transmitted>
    </lfmd-statistics>
  </lfmd-interface-information>
</lfmd-information>
```

**Description** OAM transmit statistics



## Summary of License Response Tags

### <add-individual-result>

#### Usage

```
<add-license-results>
  <add-individual-result>
    <operation-status>
      operation-status
    </operation-status>
    <filename>
      filename
    </filename>
    <line-number>
      line-number
    </line-number>
    <name>
      name
    </name>
    <message>
      message
    </message>
  </add-individual-result>
</add-license-results>
```

**Description** Report status of individual license add operation

### <add-license-results>

#### Usage

```
<add-license-results>
  <add-individual-result>....</add-individual-result>
  <add-error-count>
    add-error-count
  </add-error-count>
  <add-success>
    add-success
  </add-success>
</add-license-results>
```

**Description** Results of license add operation

### <feature>

#### Usage

```
<feature-block>
  <feature>
    <name>
      name
    </name>
    <description>
```

```
        description
      </description>
      <validity-information>....</validity-information>
    </feature>
  </feature-block>
```

**Description** A single feature instance

## <feature>

### Usage

```
<license>
  <feature-block>
    <feature>
      <name>
        name
      </name>
      <description>
        description
      </description>
      <validity-information>....</validity-information>
    </feature>
  </feature-block>
</license>
```

**Description** A single feature instance

## <feature>

### Usage

```
<license-information>
  <license>
    <feature-block>
      <feature>
        <name>
          name
        </name>
        <description>
          description
        </description>
        <validity-information>....</validity-information>
      </feature>
    </feature-block>
  </license>
</license-information>
```

**Description** A single feature instance

**<feature>****Usage**

```

<license-summary-information>
  <license-information>
    <license>
      <feature-block>
        <feature>
          <name>
            name
          </name>
          <description>
            description
          </description>
          <validity-information>....</validity-information>
        </feature>
      </feature-block>
    </license>
  </license-information>
</license-summary-information>

```

**Description** A single feature instance

**<feature-block>****Usage**

```

<feature-block>
  <feature>....</feature>
</feature-block>

```

**Description****<feature-block>****Usage**

```

<license>
  <feature-block>
    <feature>....</feature>
  </feature-block>
</license>

```

**Description****<feature-block>****Usage**

```

<license-information>
  <license>
    <feature-block>
      <feature>....</feature>
    </feature-block>
  </license>

```

</license-information>

#### Description

### <feature-block>

#### Usage

```
<license-summary-information>  
  <license-information>  
    <license>  
      <feature-block>  
        <feature>....</feature>  
      </feature-block>  
    </license>  
  </license-information>  
</license-summary-information>
```

#### Description

### <feature-summary>

#### Usage

```
<feature-summary>  
  <name>  
    name  
  </name>  
  <description>  
    description  
  </description>  
  <licensed>  
    licensed  
  </licensed>  
  <used-licensed>  
    used-licensed  
  </used-licensed>  
  <used-given>  
    used-given  
  </used-given>  
  <needed>  
    needed  
  </needed>  
  <validity-type>  
    validity-type  
  </validity-type>  
  <remaining-time>....</remaining-time>  
  <end-date>  
    end-date  
  </end-date>  
</feature-summary>
```

#### Description

**<feature-summary>****Usage**

```
<license-usage-summary>
  <feature-summary>
    <name>
      name
    </name>
    <description>
      description
    </description>
    <licensed>
      licensed
    </licensed>
    <used-licensed>
      used-licensed
    </used-licensed>
    <used-given>
      used-given
    </used-given>
    <needed>
      needed
    </needed>
    <validity-type>
      validity-type
    </validity-type>
    <remaining-time>....</remaining-time>
    <end-date>
      end-date
    </end-date>
  </feature-summary>
</license-usage-summary>
```

**Description****<feature-summary>****Usage**

```
<license-summary-information>
  <license-usage-summary>
    <feature-summary>
      <name>
        name
      </name>
      <description>
        description
      </description>
      <licensed>
        licensed
      </licensed>
      <used-licensed>
        used-licensed
      </used-licensed>
      <used-given>
```

```
    used-given
  </used-given>
  <needed>
    needed
  </needed>
  <validity-type>
    validity-type
  </validity-type>
  <remaining-time>....</remaining-time>
  <end-date>
    end-date
  </end-date>
</feature-summary>
</license-usage-summary>
</license-summary-information>
```

#### Description

### <license>

#### Usage

```
<license>
  <name>
    name
  </name>
  <license-state>
    license-state
  </license-state>
  <license-version>
    license-version
  </license-version>
  <license-type>
    license-type
  </license-type>
  <device-reference>
    device-reference
  </device-reference>
  <group-reference>
    group-reference
  </group-reference>
  <group-define>
    group-define
  </group-define>
  <unsupported-attribute>
    unsupported-attribute
  </unsupported-attribute>
  <feature-block>....</feature-block>
</license>
```

#### Description

**<license>****Usage**

```

<license-information>
  <license>
    <name>
      name
    </name>
    <license-state>
      license-state
    </license-state>
    <license-version>
      license-version
    </license-version>
    <license-type>
      license-type
    </license-type>
    <device-reference>
      device-reference
    </device-reference>
    <group-reference>
      group-reference
    </group-reference>
    <group-define>
      group-define
    </group-define>
    <unsupported-attribute>
      unsupported-attribute
    </unsupported-attribute>
    <feature-block>....</feature-block>
  </license>
</license-information>

```

**Description****<license>****Usage**

```

<license-summary-information>
  <license-information>
    <license>
      <name>
        name
      </name>
      <license-state>
        license-state
      </license-state>
      <license-version>
        license-version
      </license-version>
      <license-type>
        license-type
      </license-type>
      <device-reference>

```

```
    device-reference
  </device-reference>
  <group-reference>
    group-reference
  </group-reference>
  <group-define>
    group-define
  </group-define>
  <unsupported-attribute>
    unsupported-attribute
  </unsupported-attribute>
  <feature-block>....</feature-block>
</license>
</license-information>
</license-summary-information>
```

**Description****<license-information>****Usage**

```
<license-information>
  <no-licenses-installed>
    no-licenses-installed
  </no-licenses-installed>
  <licenses-installed>
    licenses-installed
  </licenses-installed>
  <license>....</license>
</license-information>
```

**Description** Information about feature licenses installed on device**<license-information>****Usage**

```
<license-summary-information>
  <license-information>
    <no-licenses-installed>
      no-licenses-installed
    </no-licenses-installed>
    <licenses-installed>
      licenses-installed
    </licenses-installed>
    <license>....</license>
  </license-information>
</license-summary-information>
```

**Description** Information about feature licenses installed on device



**<license-key>****Usage**

```

<license-key>
  <name>
    name
  </name>
  <key-data>
    key-data
  </key-data>
</license-key>

```

**Description****<license-key>****Usage**

```

<license-key-information>
  <license-key>
    <name>
      name
    </name>
    <key-data>
      key-data
    </key-data>
  </license-key>
</license-key-information>

```

**Description****<license-key-information>****Usage**

```

<license-key-information>
  <license-key>....</license-key>
</license-key-information>

```

**Description** Textual license keys**<license-summary-information>****Usage**

```

<license-summary-information>
  <license-usage-summary>....</license-usage-summary>
  <license-information>....</license-information>
</license-summary-information>

```

**Description** Feature license information

## <license-usage-summary>

### Usage

```
<license-usage-summary>
  <features-used>
    features-used
  </features-used>
  <no-feature-used>
    no-feature-used
  </no-feature-used>
  <feature-summary>....</feature-summary>
</license-usage-summary>
```

**Description** Information about features licensed on this device

## <license-usage-summary>

### Usage

```
<license-summary-information>
  <license-usage-summary>
    <features-used>
      features-used
    </features-used>
    <no-feature-used>
      no-feature-used
    </no-feature-used>
    <feature-summary>....</feature-summary>
  </license-usage-summary>
</license-summary-information>
```

**Description** Information about features licensed on this device

## <original-validity>

### Usage

```
<original-validity>
  <original-validity-value>
    original-validity-value
  </original-validity-value>
  <original-validity-time-unit>
    original-validity-time-unit
  </original-validity-time-unit>
</original-validity>
```

**Description**

## <original-validity>

### Usage

```
<validity-information>
  <original-validity>
```

```
<original-validity-value>
  original-validity-value
</original-validity-value>
<original-validity-time-unit>
  original-validity-time-unit
</original-validity-time-unit>
</original-validity>
</validity-information>
```

#### Description

### <original-validity>

#### Usage

```
<feature-block>
  <feature>
    <validity-information>
      <original-validity>
        <original-validity-value>
          original-validity-value
        </original-validity-value>
        <original-validity-time-unit>
          original-validity-time-unit
        </original-validity-time-unit>
      </original-validity>
    </validity-information>
  </feature>
</feature-block>
```

#### Description

### <original-validity>

#### Usage

```
<license>
  <feature-block>
    <feature>
      <validity-information>
        <original-validity>
          <original-validity-value>
            original-validity-value
          </original-validity-value>
          <original-validity-time-unit>
            original-validity-time-unit
          </original-validity-time-unit>
        </original-validity>
      </validity-information>
    </feature>
  </feature-block>
</license>
```

#### Description

## <original-validity>

### Usage

```
<license-information>
  <license>
    <feature-block>
      <feature>
        <validity-information>
          <original-validity>
            <original-validity-value>
              original-validity-value
            </original-validity-value>
            <original-validity-time-unit>
              original-validity-time-unit
            </original-validity-time-unit>
          </original-validity>
        </validity-information>
      </feature>
    </feature-block>
  </license>
</license-information>
```

### Description

## <original-validity>

### Usage

```
<license-summary-information>
  <license-information>
    <license>
      <feature-block>
        <feature>
          <validity-information>
            <original-validity>
              <original-validity-value>
                original-validity-value
              </original-validity-value>
              <original-validity-time-unit>
                original-validity-time-unit
              </original-validity-time-unit>
            </original-validity>
          </validity-information>
        </feature>
      </feature-block>
    </license>
  </license-information>
</license-summary-information>
```

### Description

**<remaining-time>****Usage**

```

<remaining-time>
  <remaining-validity-value>
    remaining-validity-value
  </remaining-validity-value>
  <remaining-validity-time-unit>
    remaining-validity-time-unit
  </remaining-validity-time-unit>
</remaining-time>

```

**Description****<remaining-time>****Usage**

```

<validity-information>
  <remaining-time>
    <remaining-validity-value>
      remaining-validity-value
    </remaining-validity-value>
    <remaining-validity-time-unit>
      remaining-validity-time-unit
    </remaining-validity-time-unit>
  </remaining-time>
</validity-information>

```

**Description****<remaining-time>****Usage**

```

<feature-block>
  <feature>
    <validity-information>
      <remaining-time>
        <remaining-validity-value>
          remaining-validity-value
        </remaining-validity-value>
        <remaining-validity-time-unit>
          remaining-validity-time-unit
        </remaining-validity-time-unit>
      </remaining-time>
    </validity-information>
  </feature>
</feature-block>

```

**Description**

## <remaining-time>

### Usage

```
<license>
  <feature-block>
    <feature>
      <validity-information>
        <remaining-time>
          <remaining-validity-value>
            remaining-validity-value
          </remaining-validity-value>
          <remaining-validity-time-unit>
            remaining-validity-time-unit
          </remaining-validity-time-unit>
        </remaining-time>
      </validity-information>
    </feature>
  </feature-block>
</license>
```

### Description

## <remaining-time>

### Usage

```
<license-information>
  <license>
    <feature-block>
      <feature>
        <validity-information>
          <remaining-time>
            <remaining-validity-value>
              remaining-validity-value
            </remaining-validity-value>
            <remaining-validity-time-unit>
              remaining-validity-time-unit
            </remaining-validity-time-unit>
          </remaining-time>
        </validity-information>
      </feature>
    </feature-block>
  </license>
</license-information>
```

### Description

## <remaining-time>

### Usage

```
<feature-summary>
  <remaining-time>
    <remaining-validity-value>
      remaining-validity-value
```

```
</remaining-validity-value>
<remaining-validity-time-unit>
  remaining-validity-time-unit
</remaining-validity-time-unit>
</remaining-time>
</feature-summary>
```

#### Description

#### <remaining-time>

##### Usage

```
<license-usage-summary>
  <feature-summary>
    <remaining-time>
      <remaining-validity-value>
        remaining-validity-value
      </remaining-validity-value>
      <remaining-validity-time-unit>
        remaining-validity-time-unit
      </remaining-validity-time-unit>
    </remaining-time>
  </feature-summary>
</license-usage-summary>
```

#### Description

#### <remaining-time>

##### Usage

```
<license-summary-information>
  <license-usage-summary>
    <feature-summary>
      <remaining-time>
        <remaining-validity-value>
          remaining-validity-value
        </remaining-validity-value>
        <remaining-validity-time-unit>
          remaining-validity-time-unit
        </remaining-validity-time-unit>
      </remaining-time>
    </feature-summary>
  </license-usage-summary>
</license-summary-information>
```

#### Description

#### <remaining-time>

##### Usage

```
<license-summary-information>
  <license-information>
    <license>
```

```
<feature-block>
  <feature>
    <validity-information>
      <remaining-time>
        <remaining-validity-value>
          remaining-validity-value
        </remaining-validity-value>
        <remaining-validity-time-unit>
          remaining-validity-time-unit
        </remaining-validity-time-unit>
      </remaining-time>
    </validity-information>
  </feature>
</feature-block>
</license>
</license-information>
</license-summary-information>
```

#### Description

### <validity-information>

#### Usage

```
<validity-information>
  <validity-type>
    validity-type
  </validity-type>
  <original-validity>....</original-validity>
  <remaining-time>....</remaining-time>
  <start-date>
    start-date
  </start-date>
  <end-date>
    end-date
  </end-date>
  <license-state>
    license-state
  </license-state>
</validity-information>
```

#### Description

### <validity-information>

#### Usage

```
<feature-block>
  <feature>
    <validity-information>
      <validity-type>
        validity-type
      </validity-type>
      <original-validity>....</original-validity>
      <remaining-time>....</remaining-time>
      <start-date>
```



```

        start-date
      </start-date>
    <end-date>
      end-date
    </end-date>
    <license-state>
      license-state
    </license-state>
  </validity-information>
</feature>
</feature-block>

```

#### Description

<validity-information>

#### Usage

```

<license>
  <feature-block>
    <feature>
      <validity-information>
        <validity-type>
          validity-type
        </validity-type>
        <original-validity>....</original-validity>
        <remaining-time>....</remaining-time>
        <start-date>
          start-date
        </start-date>
        <end-date>
          end-date
        </end-date>
        <license-state>
          license-state
        </license-state>
      </validity-information>
    </feature>
  </feature-block>
</license>

```

#### Description

<validity-information>

#### Usage

```

<license-information>
  <license>
    <feature-block>
      <feature>
        <validity-information>
          <validity-type>
            validity-type
          </validity-type>
          <original-validity>....</original-validity>

```

```
<remaining-time>....</remaining-time>
<start-date>
  start-date
</start-date>
<end-date>
  end-date
</end-date>
<license-state>
  license-state
</license-state>
</validity-information>
</feature>
</feature-block>
</license>
</license-information>
```

#### Description

<validity-information>

#### Usage

```
<license-summary-information>
<license-information>
  <license>
    <feature-block>
      <feature>
        <validity-information>
          <validity-type>
            validity-type
          </validity-type>
          <original-validity>....</original-validity>
          <remaining-time>....</remaining-time>
          <start-date>
            start-date
          </start-date>
          <end-date>
            end-date
          </end-date>
          <license-state>
            license-state
          </license-state>
        </validity-information>
      </feature>
    </feature-block>
  </license>
</license-information>
</license-summary-information>
```

#### Description

## Summary of Licensed Feature Metadata Response Tags

### <alias>

#### Usage

```
<licensed-feature>
  <alias>
    <base-feature>
      base-feature
    </base-feature>
    <cummulative-value>
      cummulative-value
    </cummulative-value>
  </alias>
</licensed-feature>
```

#### Description

### <alias>

#### Usage

```
<licensed-feature-metadata-information>
  <licensed-feature>
    <alias>
      <base-feature>
        base-feature
      </base-feature>
      <cummulative-value>
        cummulative-value
      </cummulative-value>
    </alias>
  </licensed-feature>
</licensed-feature-metadata-information>
```

#### Description

### <licensed-feature>

#### Usage

```
<licensed-feature>
  <id>
    id
  </id>
  <name>
    name
  </name>
  <description>
    description
  </description>
  <flag>
    flag
  </flag>
  <alias>....</alias>
```

</licensed-feature>

**Description** Information on a licensed feature

### <licensed-feature>

**Usage**

```
<licensed-feature-metadata-information>
  <licensed-feature>
    <id>
      id
    </id>
    <name>
      name
    </name>
    <description>
      description
    </description>
    <flag>
      flag
    </flag>
    <alias>....</alias>
  </licensed-feature>
</licensed-feature-metadata-information>
```

**Description** Information on a licensed feature

### <licensed-feature-metadata-information>

**Usage**

```
<licensed-feature-metadata-information>
  <licensed-feature>....</licensed-feature>
</licensed-feature-metadata-information>
```

**Description** Information on one or more licensed features

---

## Summary of Junos OS Metadata Response Tags

### <js:object>

**Usage**

```
<js:object>
  <js:xml-name>
    js:xml-name
  </js:xml-name>
  <js:help>
    js:help
  </js:help>
  <js:type>
    js:type
```

```

</js:type>
<js:require>
  js:require
</js:require>
<js:flags>
  js:flags
</js:flags>
<js:default>
  js:default
</js:default>
<js:hidden>
  js:hidden
</js:hidden>
<js:secret>
  js:secret
</js:secret>
<js:path>
  js:path
</js:path>
<js:range>....</js:range>
<js:product>
  js:product
</js:product>
<js:notify>
  js:notify
</js:notify>
<js:match-message>
  js:match-message
</js:match-message>
<js:match>
  js:match
</js:match>
<js:alias>
  js:alias
</js:alias>
<js:max-elements>
  js:max-elements
</js:max-elements>
<js:constraint>
  js:constraint
</js:constraint>
</js:object>

```

#### Description

<js:object>

#### Usage

```

<metadata-information>
  <js:object>
    <js:xml-name>
      js:xml-name
    </js:xml-name>
    <js:help>
      js:help

```

```

</js:help>
<js:type>
  js:type
</js:type>
<js:require>
  js:require
</js:require>
<js:flags>
  js:flags
</js:flags>
<js:default>
  js:default
</js:default>
<js:hidden>
  js:hidden
</js:hidden>
<js:secret>
  js:secret
</js:secret>
<js:path>
  js:path
</js:path>
<js:range>.....</js:range>
<js:product>
  js:product
</js:product>
<js:notify>
  js:notify
</js:notify>
<js:match-message>
  js:match-message
</js:match-message>
<js:match>
  js:match
</js:match>
<js:alias>
  js:alias
</js:alias>
<js:max-elements>
  js:max-elements
</js:max-elements>
<js:constraint>
  js:constraint
</js:constraint>
</js:object>
</metadata-information>

```

## Description

<js:range>

## Usage

```

<js:object>
  <js:range>
    <js:min>

```

```

    js:min
  </js:min>
  <js:max>
    js:max
  </js:max>
</js:range>
</js:object>

```

#### Description

**<js:range>**

#### Usage

```

<metadata-information>
  <js:object>
    <js:range>
      <js:min>
        js:min
      </js:min>
      <js:max>
        js:max
      </js:max>
    </js:range>
  </js:object>
</metadata-information>

```

#### Description

**<metadata-information>**

#### Usage

```

<metadata-information>
  <js:object>.....</js:object>
</metadata-information>

```

#### Description

### Summary of MIP Response Tags

---

**<addr-pool>**

#### Usage

```

<addr-pool>
  <start-addr>
    start-addr
  </start-addr>
  <end-addr>
    end-addr
  </end-addr>
</addr-pool>

```

**Description** Mobile IP ha address pool

### <addr-pool>

**Usage**

```
<mip-home-agent-virtual-network-information>
<mip-home-agent-virtual-network>
  <addr-pool>
    <start-addr>
      start-addr
    </start-addr>
    <end-addr>
      end-addr
    </end-addr>
  </addr-pool>
</mip-home-agent-virtual-network>
</mip-home-agent-virtual-network-information>
```

**Description** Mobile IP ha address pool

### <addr-pool>

**Usage**

```
<mip-home-agent-interface-network-information>
<mip-home-agent-interface-network>
  <addr-pool>
    <start-addr>
      start-addr
    </start-addr>
    <end-addr>
      end-addr
    </end-addr>
  </addr-pool>
</mip-home-agent-interface-network>
</mip-home-agent-interface-network-information>
```

**Description** Mobile IP ha address pool

### <address-list>

**Usage**

```
<mip-home-agent-overview-information>
<mip-home-agent-overview>
  <address-list>
    <address>
      address
    </address>
  </address-list>
</mip-home-agent-overview>
</mip-home-agent-overview-information>
```



**Description** Mobile IP HA address list

## <mip-binding>

### Usage

```
<mip-binding-information>
<mip-binding>
  <mip-home-address>
    mip-home-address
  </mip-home-address>
  <mip-nai>
    mip-nai
  </mip-nai>
  <mip-home-agent>
    mip-home-agent
  </mip-home-agent>
  <mip-care-of-address>
    mip-care-of-address
  </mip-care-of-address>
  <lifetime-granted>
    lifetime-granted
  </lifetime-granted>
  <lifetime-remaining>
    lifetime-remaining
  </lifetime-remaining>
  <tunnel-type>
    tunnel-type
  </tunnel-type>
  <tunnel-id>
    tunnel-id
  </tunnel-id>
  <tunnel-source>
    tunnel-source
  </tunnel-source>
  <tunnel-destination>
    tunnel-destination
  </tunnel-destination>
  <identification>
    identification
  </identification>
  <revocation-support>
    revocation-support
  </revocation-support>
  <revocation-inform>
    revocation-inform
  </revocation-inform>
  <count>
    count
  </count>
  <state>
    state
  </state>
  <session-id>
    session-id
  </session-id>
```

```
</mip-binding>
</mip-binding-information>
```

**Description****<mip-binding-information>****Usage**

```
<mip-binding-information>
  <mip-binding>....</mip-binding>
</mip-binding-information>
```

**Description** Mobile IP Binding information

**<mip-error>****Usage**

```
<mip-error>
  <mip-error-message>
    mip-error-message
  </mip-error-message>
</mip-error>
```

**Description****<mip-fa>****Usage**

```
<mip-fa-information>
  <mip-fa>
    <mip-fa-status>
      mip-fa-status
    </mip-fa-status>
    <mip-fa-max-pending-request>
      mip-fa-max-pending-request
    </mip-fa-max-pending-request>
    <mip-fa-request-timeout>
      mip-fa-request-timeout
    </mip-fa-request-timeout>
    <mip-fa-registration-required>
      mip-fa-registration-required
    </mip-fa-registration-required>
    <mip-fa-registration-lifetime>
      mip-fa-registration-lifetime
    </mip-fa-registration-lifetime>
    <mip-fa-coa>
      mip-fa-coa
    </mip-fa-coa>
    <mip-fa-serice-enabled>
      mip-fa-serice-enabled
    </mip-fa-serice-enabled>
    <mip-fa-reverse-tunnel>
```

```

        mip-fa-reverse-tunnel
      </mip-fa-reverse-tunnel>
    </mip-fa>
  </mip-fa-information>

```

**Description** Mobile IP foreign agent information

### <mip-fa-information>

#### Usage

```

<mip-fa-information>
  <mip-fa>....</mip-fa>
</mip-fa-information>

```

**Description** Mobile IP foreign agent information

### <mip-home-agent-interface-network>

#### Usage

```

<mip-home-agent-interface-network-information>
  <mip-home-agent-interface-network>
    <interface>
      interface
    </interface>
    <mip-home-agent>
      mip-home-agent
    </mip-home-agent>
    <registration-lifetime>
      registration-lifetime
    </registration-lifetime>
    <time-tolerance>
      time-tolerance
    </time-tolerance>
    <addr-pool>....</addr-pool>
    <number-of-mn>
      number-of-mn
    </number-of-mn>
    <mip-home-address>
      mip-home-address
    </mip-home-address>
    <range>
      range
    </range>
    <mip-nai>
      mip-nai
    </mip-nai>
    <mip-care-of-address>
      mip-care-of-address
    </mip-care-of-address>
    <lifetime-granted>
      lifetime-granted
    </lifetime-granted>
  </mip-home-agent-interface-network>
</mip-home-agent-interface-network-information>

```

```
<lifetime-remaining>
  lifetime-remaining
</lifetime-remaining>
</mip-home-agent-interface-network>
</mip-home-agent-interface-network-information>
```

**Description** Mobile IP interface-network information

### <mip-home-agent-interface-network-information>

#### Usage

```
<mip-home-agent-interface-network-information>
  <mip-home-agent-interface-network>....</mip-home-agent-interface-network>

</mip-home-agent-interface-network-information>
```

**Description** Mobile IP home-agent interface-network information

### <mip-home-agent-overview>

#### Usage

```
<mip-home-agent-overview-information>
  <mip-home-agent-overview>
    <status>
      status
    </status>
    <service-enabled-on>....</service-enabled-on>
    <address-list>....</address-list>
    <authentication>
      authentication
    </authentication>
  </mip-home-agent-overview>
</mip-home-agent-overview-information>
```

**Description**

### <mip-home-agent-overview-information>

#### Usage

```
<mip-home-agent-overview-information>
  <mip-home-agent-overview>....</mip-home-agent-overview>

</mip-home-agent-overview-information>
```

**Description** Mobile IP home-agent overview

### <mip-home-agent-traffic>

#### Usage

```
<mip-home-agent-traffic-information>
  <mip-home-agent-traffic>
```

```

<request-received>
  request-received
</request-received>
<request-forwarded>
  request-forwarded
</request-forwarded>
<request-denied>
  request-denied
</request-denied>
<replies-forwarded>
  replies-forwarded
</replies-forwarded>
<unspecified>
  unspecified
</unspecified>
<administrative-prohibited>
  administrative-prohibited
</administrative-prohibited>
<no-resource>
  no-resource
</no-resource>
<bad-request>
  bad-request
</bad-request>
<too-many-bindings>
  too-many-bindings
</too-many-bindings>
<unknown-ha>
  unknown-ha
</unknown-ha>
<id-mismatch>
  id-mismatch
</id-mismatch>
<unavailable-reverse-tunnel>
  unavailable-reverse-tunnel
</unavailable-reverse-tunnel>
<unavailable-encapsulation>
  unavailable-encapsulation
</unavailable-encapsulation>
<failed-mn>
  failed-mn
</failed-mn>
<failed-fa>
  failed-fa
</failed-fa>
</mip-home-agent-traffic>
</mip-home-agent-traffic-information>

```

**Description** Mobile IP violation information in specific

### <mip-home-agent-traffic-information>

#### Usage

```
<mip-home-agent-traffic-information>
```

```
<mip-home-agent-traffic>....</mip-home-agent-traffic>
</mip-home-agent-traffic-information>
```

**Description** Mobile IP HA traffic information

### <mip-home-agent-virtual-network>

#### Usage

```
<mip-home-agent-virtual-network-information>
<mip-home-agent-virtual-network>
  <mip-home-agent>
    mip-home-agent
  </mip-home-agent>
  <registration-lifetime>
    registration-lifetime
  </registration-lifetime>
  <time-tolerance>
    time-tolerance
  </time-tolerance>
  <addr-pool>....</addr-pool>
  <number-of-mn>
    number-of-mn
  </number-of-mn>
  <mip-home-address>
    mip-home-address
  </mip-home-address>
  <mip-nai>
    mip-nai
  </mip-nai>
  <mip-care-of-address>
    mip-care-of-address
  </mip-care-of-address>
  <lifetime-granted>
    lifetime-granted
  </lifetime-granted>
  <lifetime-remaining>
    lifetime-remaining
  </lifetime-remaining>
</mip-home-agent-virtual-network>
</mip-home-agent-virtual-network-information>
```

**Description** Mobile IP virtual-network information

### <mip-home-agent-virtual-network-information>

#### Usage

```
<mip-home-agent-virtual-network-information>
<mip-home-agent-virtual-network>....</mip-home-agent-virtual-network>
</mip-home-agent-virtual-network-information>
```

**Description** Mobile IP home-agent virtual-network information

## <mip-memory>

### Usage

```

<mip-memory-information>
  <mip-memory>
    <mip-memory-size>
      mip-memory-size
    </mip-memory-size>
    <mip-memory-file-name>
      mip-memory-file-name
    </mip-memory-file-name>
    <mip-memory-line-number>
      mip-memory-line-number
    </mip-memory-line-number>
    <mip-memory-allocated-memory>
      mip-memory-allocated-memory
    </mip-memory-allocated-memory>
  </mip-memory>
</mip-memory-information>

```

**Description** Mobile IP memory information in specific

## <mip-memory-information>

### Usage

```

<mip-memory-information>
  <mip-memory>....</mip-memory>
</mip-memory-information>

```

**Description** Mobile IP memory information

## <mip-statistics-information>

### Usage

```

<mip-statistics-information>
  <registration-request-received>
    registration-request-received
  </registration-request-received>
  <registration-request-accepted>
    registration-request-accepted
  </registration-request-accepted>
  <registration-request-rejected>
    registration-request-rejected
  </registration-request-rejected>
</mip-statistics-information>

```

**Description** Statistics from Mobile IP

## <mip-traffic>

### Usage

```
<mip-traffic-information>
  <mip-traffic>
    <request-received>
      request-received
    </request-received>
    <request-forwarded>
      request-forwarded
    </request-forwarded>
    <request-denied>
      request-denied
    </request-denied>
    <replies-received>
      replies-received
    </replies-received>
    <replies-forwarded>
      replies-forwarded
    </replies-forwarded>
    <replies-denied>
      replies-denied
    </replies-denied>
    <unspecified>
      unspecified
    </unspecified>
    <ha-unreachable>
      ha-unreachable
    </ha-unreachable>
    <administrative-prohibited>
      administrative-prohibited
    </administrative-prohibited>
    <no-resource>
      no-resource
    </no-resource>
    <bad-lifetime>
      bad-lifetime
    </bad-lifetime>
    <bad-request>
      bad-request
    </bad-request>
    <unavailable-encapsulation>
      unavailable-encapsulation
    </unavailable-encapsulation>
    <unavailable-reverse-tunnel>
      unavailable-reverse-tunnel
    </unavailable-reverse-tunnel>
    <failed-mn>
      failed-mn
    </failed-mn>
    <failed-ha>
      failed-ha
    </failed-ha>
    <unknown-challenge>
      unknown-challenge
```



```
</unknown-challenge>
<missing-challenge>
  missing-challenge
</missing-challenge>
<stale-challenge>
  stale-challenge
</stale-challenge>
</mip-traffic>
</mip-traffic-information>
```

**Description** Mobile IP violation information in specific

### <mip-traffic-information>

**Usage**

```
<mip-traffic-information>
  <mip-traffic>....</mip-traffic>
</mip-traffic-information>
```

**Description** Mobile IP traffic information

### <mip-tunnel>

**Usage**

```
<mip-tunnel-information>
  <mip-tunnel>
    <mip-tunnel-source>
      mip-tunnel-source
    </mip-tunnel-source>
    <mip-tunnel-destination>
      mip-tunnel-destination
    </mip-tunnel-destination>
    <mip-tunnel-type>
      mip-tunnel-type
    </mip-tunnel-type>
  </mip-tunnel>
</mip-tunnel-information>
```

**Description** Mobile IP tunnel information in specific

### <mip-tunnel-information>

**Usage**

```
<mip-tunnel-information>
  <mip-tunnel>....</mip-tunnel>
</mip-tunnel-information>
```

**Description** Mobile IP tunnel information

## <mip-violation>

### Usage

```
<mip-violation-information>
  <mip-violation>
    <mip-nai>
      mip-nai
    </mip-nai>
    <mip-home-address>
      mip-home-address
    </mip-home-address>
    <mip-violation-code>
      mip-violation-code
    </mip-violation-code>
    <mip-violation-time>
      mip-violation-time
    </mip-violation-time>
    <mip-violation-spi>
      mip-violation-spi
    </mip-violation-spi>
    <mip-violation-error-code>
      mip-violation-error-code
    </mip-violation-error-code>
    <mip-violation-reason>
      mip-violation-reason
    </mip-violation-reason>
    <mip-violation-count-per-peer>
      mip-violation-count-per-peer
    </mip-violation-count-per-peer>
    <mip-violation-totol-count>
      mip-violation-totol-count
    </mip-violation-totol-count>
  </mip-violation>
</mip-violation-information>
```

**Description** Mobile IP violation information

## <mip-violation-information>

### Usage

```
<mip-violation-information>
  <mip-violation>.....</mip-violation>
</mip-violation-information>
```

**Description** Mobile IP violation information

## <mip-visitor>

### Usage

```
<mip-visitor-information>
  <mip-visitor>
    <mip-nai>
```

```
    mip-nai
  </mip-nai>
  <mip-home-address>
    mip-home-address
  </mip-home-address>
  <mip-home-agent>
    mip-home-agent
  </mip-home-agent>
  <mip-care-of-address>
    mip-care-of-address
  </mip-care-of-address>
  <mip-visitor-time-requested>
    mip-visitor-time-requested
  </mip-visitor-time-requested>
  <mip-visitor-time-alloted>
    mip-visitor-time-alloted
  </mip-visitor-time-alloted>
  <mip-visitor-time-remaining>
    mip-visitor-time-remaining
  </mip-visitor-time-remaining>
  <mip-visitor-count>
    mip-visitor-count
  </mip-visitor-count>
  <mip-visitor-pending-count>
    mip-visitor-pending-count
  </mip-visitor-pending-count>
</mip-visitor>
</mip-visitor-information>
```

**Description** Mobile IP visitor information

### <mip-visitor-information>

#### Usage

```
<mip-visitor-information>
  <mip-visitor>....</mip-visitor>
</mip-visitor-information>
```

**Description** Mobile IP visitor information

### <mip-wimax-release>

#### Usage

```
<mip-wimax-release-information>
  <mip-wimax-release>
    <release>
      release
    </release>
  </mip-wimax-release>
</mip-wimax-release-information>
```

**Description****<mip-wimax-release-information>****Usage**

```
<mip-wimax-release-information>
  <mip-wimax-release>....</mip-wimax-release>
</mip-wimax-release-information>
```

**Description** WiMAX release supported by Mobile IP

**<service-enabled-on>****Usage**

```
<mip-home-agent-overview-information>
  <mip-home-agent-overview>
    <service-enabled-on>
      <interface-name>
        interface-name
      </interface-name>
    </service-enabled-on>
  </mip-home-agent-overview>
</mip-home-agent-overview-information>
```

**Description** Mobile IP HA enabled interfaces

---

**Summary of MPLS OAM Response Tags**

---

**<database>****Usage**

```
<database>
</database>
```

**Description****<fec>****Usage**

```
<fec>
  <fec-prefix>
    fec-prefix
  </fec-prefix>
</fec>
```

**Description**

## <instance>

### Usage

```
<instance>
  <count>
    count
  </count>
</instance>
```

### Description

## <last-trace-time>

### Usage

```
<last-trace-time>
  <date-time>
    date-time
  </date-time>
</last-trace-time>
```

### Description

## <multipath-information>

### Usage

```
<multipath-information>
  <multipath-type>
    multipath-type
  </multipath-type>
  <address-range-index>
    address-range-index
  </address-range-index>
  <low-address>
    low-address
  </low-address>
  <high-address>
    high-address
  </high-address>
</multipath-information>
```

### Description

## <next-scheduled-trace>

### Usage

```
<next-scheduled-trace>
  <timer-expiry>
    timer-expiry
  </timer-expiry>
</next-scheduled-trace>
```

**Description****<options>****Usage**

```
<options>
  <probe-ttl>
    probe-ttl
  </probe-ttl>
  <probe-retries>
    probe-retries
  </probe-retries>
  <probe-wait>
    probe-wait
  </probe-wait>
  <probe-paths>
    probe-paths
  </probe-paths>
  <probe-source>
    probe-source
  </probe-source>
  <probe-destination>
    probe-destination
  </probe-destination>
  <probe-exp>
    probe-exp
  </probe-exp>
  <probe-fanout>
    probe-fanout
  </probe-fanout>
</options>
```

**Description****<probe-options>****Usage**

```
<probe-options>
  <probe-ttl>
    probe-ttl
  </probe-ttl>
  <probe-retries>
    probe-retries
  </probe-retries>
  <probe-wait>
    probe-wait
  </probe-wait>
  <probe-paths>
    probe-paths
  </probe-paths>
  <probe-source>
    probe-source
  </probe-source>
  <probe-destination>
    probe-destination
```

```
</probe-destination>
<probe-exp>
  probe-exp
</probe-exp>
<probe-fanout>
  probe-fanout
</probe-fanout>
</probe-options>
```

#### Description

### <scan-status>

#### Usage

```
<scan-status>
  <status>
    status
  </status>
</scan-status>
```

#### Description

### <test>

#### Usage

```
<test>
</test>
```

#### Description

### <tracelsp>

#### Usage

```
<tracelsp>
</tracelsp>
```

#### Description

### <tracelsp-label>

#### Usage

```
<tracelsp-label>
  <label-value>
    label-value
  </label-value>
  <label-depth>
    label-depth
  </label-depth>
  <label-protocol>
    label-protocol
  </label-protocol>
```

</tracelsp-label>

## Description

<tracelsp-node>

## Usage

```
<tracelsp-node>
  <depth>
    depth
  </depth>
  <label-value>
    label-value
  </label-value>
  <label-protocol>
    label-protocol
  </label-protocol>
  <address>
    address
  </address>
  <parent>
    parent
  </parent>
  <response-time>
    response-time
  </response-time>
  <return-code>
    return-code
  </return-code>
  <multipath-type>
    multipath-type
  </multipath-type>
  <sender-timestamp>
    sender-timestamp
  </sender-timestamp>
  <receiver-timestamp>
    receiver-timestamp
  </receiver-timestamp>
  <status>
    status
  </status>
  <path-index>
    path-index
  </path-index>
  <path-status>
    path-status
  </path-status>
  <probe-destination>
    probe-destination
  </probe-destination>
  <mtu>
    mtu
  </mtu>
  <interface>
    interface
```



```

    </interface>
  </tracelsp-node>

```

#### Description

### Summary of Multiservices PIC Deamon Response Tags

---

#### <mbspinfo-raw-output>

##### Usage

```

<mbspinfo-raw-output>
  <interface-name>
    interface-name
  </interface-name>
  <raw-output>
    raw-output
  </raw-output>
</mbspinfo-raw-output>

```

#### Description

### Summary of OAM Response Tags

---

#### <oam-information>

##### Usage

```

<oam-information>
  <oam-interface-information>....</oam-interface-information>
</oam-information>

```

**Description** Information about the GRE keepalive protocol

#### <oam-interface-information>

##### Usage

```

<oam-information>
  <oam-interface-information>
    <oam-interface-name>
      oam-interface-name
    </oam-interface-name>
    <oam-statistics>....</oam-statistics>
    <oam-status>....</oam-status>
  </oam-interface-information>
</oam-information>

```

**Description** Link-fault management information for one or more interfaces

### <oam-statistics>

#### Usage

```
<oam-information>
  <oam-interface-information>
    <oam-statistics>
      <oam-pdus-received>
        oam-pdus-received
      </oam-pdus-received>
      <oam-pdus-transmitted>
        oam-pdus-transmitted
      </oam-pdus-transmitted>
    </oam-statistics>
  </oam-interface-information>
</oam-information>
```

**Description**    Interface statistics

### <oam-status>

#### Usage

```
<oam-information>
  <oam-interface-information>
    <oam-status>
      <oam-keepalive-status>
        oam-keepalive-status
      </oam-keepalive-status>
    </oam-status>
  </oam-interface-information>
</oam-information>
```

**Description**

---

## Summary of Packet Triggered Subscribers Response Tags

---

### <clear-session-result>

#### Usage

```
<packet-triggered-subscribers-information>
  <clear-session-result>
    <num-logout-initiated>
      num-logout-initiated
    </num-logout-initiated>
  </clear-session-result>
</packet-triggered-subscribers-information>
```

**Description**    Result of clear session request

**<extra-statistics>****Usage**

```

<packet-triggered-subscribers-information>
  <extra-statistics>
    <statistics-string>
      statistics-string
    </statistics-string>
  </extra-statistics>
</packet-triggered-subscribers-information>

```

**Description** Session statistics information provided by additional source

**<flows>****Usage**

```

<packet-triggered-subscribers-information>
  <subscriber-flows>
    <flows>
      <five-tuple>
        five-tuple
      </five-tuple>
      <application-id>
        application-id
      </application-id>
      <policy-name>
        policy-name
      </policy-name>
      <policy-action>
        policy-action
      </policy-action>
      <policy-direction>
        policy-direction
      </policy-direction>
      <packets>
        packets
      </packets>
      <bytes>
        bytes
      </bytes>
    </flows>
  </subscriber-flows>
</packet-triggered-subscribers-information>

```

**Description** Flows

**<packet-triggered-subscribers-information>****Usage**

```

<packet-triggered-subscribers-information>
  <message>
    message

```

```
</message>
<process-status>....</process-status>
<subscriber-session-summary>....</subscriber-session-summary>
<subscriber-session>....</subscriber-session>
<session-statistics>....</session-statistics>
<extra-statistics>....</extra-statistics>
<subscriber-policy>....</subscriber-policy>
<subscriber-flows>....</subscriber-flows>
<subscriber-bandwidth>....</subscriber-bandwidth>
<clear-session-result>....</clear-session-result>
</packet-triggered-subscribers-information>
```

**Description** Packet Triggered Subscribers information

### <pic-status>

#### Usage

```
<packet-triggered-subscribers-information>
<process-status>
  <pic-status>
    <pic-name>
      pic-name
    </pic-name>
    <num-pic-login>
      num-pic-login
    </num-pic-login>
    <num-pic-logout-response>
      num-pic-logout-response
    </num-pic-logout-response>
    <num-login-done>
      num-login-done
    </num-login-done>
    <num-pic-logout>
      num-pic-logout
    </num-pic-logout>
    <num-policy-change>
      num-policy-change
    </num-policy-change>
    <num-policy-change-response>
      num-policy-change-response
    </num-policy-change-response>
    <num-src-logout>
      num-src-logout
    </num-src-logout>
    <num-statistics-polling>
      num-statistics-polling
    </num-statistics-polling>
    <num-sync-start>
      num-sync-start
    </num-sync-start>
    <num-sync-request>
      num-sync-request
    </num-sync-request>
    <num-update-username>
```

```

    num-update-username
  </num-update-username>
  <num-connection-up-event>
    num-connection-up-event
  </num-connection-up-event>
  <num-queued-pic-task>
    num-queued-pic-task
  </num-queued-pic-task>
  <num-pending-response>
    num-pending-response
  </num-pending-response>
  <num-service-request-timeout>
    num-service-request-timeout
  </num-service-request-timeout>
  <num-logout-request-timeout>
    num-logout-request-timeout
  </num-logout-request-timeout>
  <num-logout-request-send-failure>
    num-logout-request-send-failure
  </num-logout-request-send-failure>
  <num-service-request-send-failure>
    num-service-request-send-failure
  </num-service-request-send-failure>
  <num-accounting-request-send-failure>
    num-accounting-request-send-failure
  </num-accounting-request-send-failure>
  <num-login-done-send-failure>
    num-login-done-send-failure
  </num-login-done-send-failure>
  <num-username-update-send-failure>
    num-username-update-send-failure
  </num-username-update-send-failure>
  <num-pre-announcement>
    num-pre-announcement
  </num-pre-announcement>
  <num-pre-announcement-send-failure>
    num-pre-announcement-send-failure
  </num-pre-announcement-send-failure>
  <num-idle-timeout-update>
    num-idle-timeout-update
  </num-idle-timeout-update>
  <num-idle-timeout-update-send-failure>
    num-idle-timeout-update-send-failure
  </num-idle-timeout-update-send-failure>
</pic-status>
</process-status>
</packet-triggered-subscribers-information>

```

## Description

<policy-attribute>

## Usage

```

<packet-triggered-subscribers-information>
  <subscriber-policy>

```

```
<radius-policy>
  <policy-attribute>
    <attribute-name>
      attribute-name
    </attribute-name>
    <attribute-value>
      attribute-value
    </attribute-value>
  </policy-attribute>
</radius-policy>
</subscriber-policy>
</packet-triggered-subscribers-information>
```

## Description

### <process-status>

#### Usage

```
<packet-triggered-subscribers-information>
  <process-status>
    <num-clients>
      num-clients
    </num-clients>
    <num-down-pic-clients>
      num-down-pic-clients
    </num-down-pic-clients>
    <first-down-pic-client-id>
      first-down-pic-client-id
    </first-down-pic-client-id>
    <src-connection-state>
      src-connection-state
    </src-connection-state>
    <num-srr-received>
      num-srr-received
    </num-srr-received>
    <num-ppr-received>
      num-ppr-received
    </num-ppr-received>
    <num-asr-received>
      num-asr-received
    </num-asr-received>
    <num-acr-received>
      num-acr-received
    </num-acr-received>
    <num-aaa-received>
      num-aaa-received
    </num-aaa-received>
    <num-sta-received>
      num-sta-received
    </num-sta-received>
    <num-sync-aaa-received>
      num-sync-aaa-received
    </num-sync-aaa-received>
    <num-sync-sta-received>
      num-sync-sta-received
```

```
</num-sync-sta-received>
<num-srr-queued>
  num-srr-queued
</num-srr-queued>
<num-srq-queued>
  num-srq-queued
</num-srq-queued>
<num-aar-queued>
  num-aar-queued
</num-aar-queued>
<num-ppa-queued>
  num-ppa-queued
</num-ppa-queued>
<num-str-queued>
  num-str-queued
</num-str-queued>
<num-asa-queued>
  num-asa-queued
</num-asa-queued>
<num-aca-queued>
  num-aca-queued
</num-aca-queued>
<num-sync-aar-queued>
  num-sync-aar-queued
</num-sync-aar-queued>
<num-sync-str-queued>
  num-sync-str-queued
</num-sync-str-queued>
<num-sending-message>
  num-sending-message
</num-sending-message>
<num-waiting-message>
  num-waiting-message
</num-waiting-message>
<num-sending-queue-full>
  num-sending-queue-full
</num-sending-queue-full>
<num-sending-timeout>
  num-sending-timeout
</num-sending-timeout>
<num-response-timeout>
  num-response-timeout
</num-response-timeout>
<num-sync-aar-timeout>
  num-sync-aar-timeout
</num-sync-aar-timeout>
<num-sync-str-timeout>
  num-sync-str-timeout
</num-sync-str-timeout>
<num-aar-timeout>
  num-aar-timeout
</num-aar-timeout>
<num-str-timeout>
  num-str-timeout
</num-str-timeout>
<num-srq-timeout>
```

```
    num-srq-timeout
  </num-srq-timeout>
  <num-aar-send-failure>
    num-aar-send-failure
  </num-aar-send-failure>
  <num-asa-send-failure>
    num-asa-send-failure
  </num-asa-send-failure>
  <num-aca-send-failure>
    num-aca-send-failure
  </num-aca-send-failure>
  <num-ppa-send-failure>
    num-ppa-send-failure
  </num-ppa-send-failure>
  <num-str-send-failure>
    num-str-send-failure
  </num-str-send-failure>
  <num-srq-send-failure>
    num-srq-send-failure
  </num-srq-send-failure>
  <num-srr-send-failure>
    num-srr-send-failure
  </num-srr-send-failure>
  <num-sync-aar-send-failure>
    num-sync-aar-send-failure
  </num-sync-aar-send-failure>
  <num-sync-str-send-failure>
    num-sync-str-send-failure
  </num-sync-str-send-failure>
  <num-srq-full-sync>
    num-srq-full-sync
  </num-srq-full-sync>
  <num-srq-fast-sync>
    num-srq-fast-sync
  </num-srq-fast-sync>
  <num-srq-single-sync>
    num-srq-single-sync
  </num-srq-single-sync>
  <num-fast-sync-queued>
    num-fast-sync-queued
  </num-fast-sync-queued>
  <num-queued-diameter-task>
    num-queued-diameter-task
  </num-queued-diameter-task>
  <fast-sync-in-progress>
    fast-sync-in-progress
  </fast-sync-in-progress>
  <full-sync-in-progress>
    full-sync-in-progress
  </full-sync-in-progress>
  <num-full-sync-abort>
    num-full-sync-abort
  </num-full-sync-abort>
  <num-fast-sync-abort>
    num-fast-sync-abort
  </num-fast-sync-abort>
```



```

<num-outstanding-diameter-message>
  num-outstanding-diameter-message
</num-outstanding-diameter-message>
<num-login-retry>
  num-login-retry
</num-login-retry>
<num-diameterd-connected>
  num-diameterd-connected
</num-diameterd-connected>
<num-diameterd-disconnected>
  num-diameterd-disconnected
</num-diameterd-disconnected>
<num-srr-failure>
  num-srr-failure
</num-srr-failure>
<num-pconn>
  num-pconn
</num-pconn>
<pic-status>....</pic-status>
<radius-partition-status>....</radius-partition-status>
</process-status>
</packet-triggered-subscribers-information>

```

**Description** Process status

### <radius-partition-status>

#### Usage

```

<packet-triggered-subscribers-information>
<process-status>
  <radius-partition-status>
    <partition>
      partition
    </partition>
    <num-valid-acctounting-start>
      num-valid-acctounting-start
    </num-valid-acctounting-start>
    <num-valid-acctounting-stop>
      num-valid-acctounting-stop
    </num-valid-acctounting-stop>
    <num-valid-interim-acctounting>
      num-valid-interim-acctounting
    </num-valid-interim-acctounting>
    <num-invalid-acctounting-start>
      num-invalid-acctounting-start
    </num-invalid-acctounting-start>
    <num-invalid-acctounting-stop>
      num-invalid-acctounting-stop
    </num-invalid-acctounting-stop>
    <num-invalid-interim-acctounting>
      num-invalid-interim-acctounting
    </num-invalid-interim-acctounting>
    <num-acctounting-on>
      num-acctounting-on
  
```

```
</num-acctounting-on>
<num-acctounting-off>
  num-acctounting-off
</num-acctounting-off>
<num-acctounting-start-response>
  num-acctounting-start-response
</num-acctounting-start-response>
<num-acctounting-stop-response>
  num-acctounting-stop-response
</num-acctounting-stop-response>
<num-interim-acctounting-response>
  num-interim-acctounting-response
</num-interim-acctounting-response>
<num-tagging>
  num-tagging
</num-tagging>
</radius-partition-status>
</process-status>
</packet-triggered-subscribers-information>
```

#### Description

### <radius-policy>

#### Usage

```
<packet-triggered-subscribers-information>
<subscriber-policy>
  <radius-policy>
    <policy-attribute>....</policy-attribute>
  </radius-policy>
</subscriber-policy>
</packet-triggered-subscribers-information>
```

**Description** Dynamic RADIUS policies

### <service-policy>

#### Usage

```
<packet-triggered-subscribers-information>
<subscriber-policy>
  <service-policy>
    <policy-name>
      policy-name
    </policy-name>
    <rpr>
      rpr
    </rpr>
    <d>
      d
    </d>
    <term>....</term>
  </service-policy>
</subscriber-policy>
```

```
</packet-triggered-subscribers-information>
```

**Description** Service dynamic policy

### <service-session>

#### Usage

```
<packet-triggered-subscribers-information>
  <subscriber-session>
    <service-session>
      <policy-name>
        policy-name
      </policy-name>
      <service-state>
        service-state
      </service-state>
    </service-session>
  </subscriber-session>
</packet-triggered-subscribers-information>
```

**Description** Service session information

### <session-statistics>

#### Usage

```
<packet-triggered-subscribers-information>
  <session-statistics>
    <session-type>
      session-type
    </session-type>
    <name-id>
      name-id
    </name-id>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </session-statistics>
</packet-triggered-subscribers-information>
```

**Description** Session statistics

## <subscriber-bandwidth>

### Usage

```
<packet-triggered-subscribers-information>
  <subscriber-bandwidth>
    <client-id>
      client-id
    </client-id>
    <input-bps>
      input-bps
    </input-bps>
    <output-bps>
      output-bps
    </output-bps>
    <input-pps>
      input-pps
    </input-pps>
    <output-pps>
      output-pps
    </output-pps>
  </subscriber-bandwidth>
</packet-triggered-subscribers-information>
```

Description    Bandwidth

## <subscriber-flows>

### Usage

```
<packet-triggered-subscribers-information>
  <subscriber-flows>
    <client-id>
      client-id
    </client-id>
    <num-data-sessions>
      num-data-sessions
    </num-data-sessions>
    <hwm>
      hwm
    </hwm>
    <flows>....</flows>
  </subscriber-flows>
</packet-triggered-subscribers-information>
```

Description    Flows

## <subscriber-policy>

### Usage

```
<packet-triggered-subscribers-information>
  <subscriber-policy>
    <client-id>
      client-id
    </client-id>
  </subscriber-policy>
</packet-triggered-subscribers-information>
```

```

</client-id>
<service-policy>....</service-policy>
<radius-policy>....</radius-policy>
</subscriber-policy>
</packet-triggered-subscribers-information>

```

**Description** Dynamic policies

### <subscriber-session>

#### Usage

```

<packet-triggered-subscribers-information>
<subscriber-session>
  <username>
    username
  </username>
  <user-ip-address>
    user-ip-address
  </user-ip-address>
  <interface>
    interface
  </interface>
  <service-interface>
    service-interface
  </service-interface>
  <subscriber-state>
    subscriber-state
  </subscriber-state>
  <login-time>
    login-time
  </login-time>
  <routing-instance>
    routing-instance
  </routing-instance>
  <partition>
    partition
  </partition>
  <num-services>
    num-services
  </num-services>
  <client-id>
    client-id
  </client-id>
  <service-session>....</service-session>
</subscriber-session>
</packet-triggered-subscribers-information>

```

**Description** Subscriber session information

## <subscriber-session-summary>

### Usage

```
<packet-triggered-subscribers-information>
  <subscriber-session-summary>
    <num-clients>
      num-clients
    </num-clients>
  </subscriber-session-summary>
</packet-triggered-subscribers-information>
```

**Description** Subscriber session summary

## <term>

### Usage

```
<packet-triggered-subscribers-information>
  <subscriber-policy>
    <service-policy>
      <term>
        <template-name>
          template-name
        </template-name>
        <tp>
          tp
        </tp>
        <ra>
          ra
        </ra>
        <rm>
          rm
        </rm>
        <lpl>
          lpl
        </lpl>
        <lph>
          lph
        </lph>
        <rpl>
          rpl
        </rpl>
        <rph>
          rph
        </rph>
        <p>
          p
        </p>
        <anl>
          anl
        </anl>
        <agl>
          agl
        </agl>
```

```

<nanl>
  nanl
</nanl>
<a-f>
  a-f
</a-f>
<a-s>
  a-s
</a-s>
<a-fc>
  a-fc
</a-fc>
<a-p-i>
  a-p-i
</a-p-i>
<a-p-bw>
  a-p-bw
</a-p-bw>
<a-p-mbs>
  a-p-mbs
</a-p-mbs>
<a-fu>
  a-fu
</a-fu>
</term>
</service-policy>
</subscriber-policy>
</packet-triggered-subscribers-information>

```

Description    Term

## Summary of Passive Monitoring Interfaces Response Tags

### <error-information>

#### Usage

```

<passive-monitoring-information>
  <error-information>
    <error-packets-dropped-no-memory>
      error-packets-dropped-no-memory
    </error-packets-dropped-no-memory>
    <error-packets-dropped-not-ip>
      error-packets-dropped-not-ip
    </error-packets-dropped-not-ip>
    <error-packets-dropped-not-ipv4>
      error-packets-dropped-not-ipv4
    </error-packets-dropped-not-ipv4>
    <error-packets-too-small>
      error-packets-too-small
    </error-packets-too-small>
    <error-allocation-failures>
      error-allocation-failures
    </error-allocation-failures>
    <error-free-failures>

```

```
    error-free-failures
  </error-free-failures>
  <error-free-list-failures>
    error-free-list-failures
  </error-free-list-failures>
  <error-memory-warning>
    error-memory-warning
  </error-memory-warning>
  <error-memory-overload>
    error-memory-overload
  </error-memory-overload>
  <error-packets-per-second-overload>
    error-packets-per-second-overload
  </error-packets-per-second-overload>
  <error-bytes-per-second-overload>
    error-bytes-per-second-overload
  </error-bytes-per-second-overload>
</error-information>
</passive-monitoring-information>
```

**Description**    Passive monitoring error information

## <flow-information>

### Usage

```
<passive-monitoring-information>
  <flow-information>
    <flow-packets>
      flow-packets
    </flow-packets>
    <flow-bytes>
      flow-bytes
    </flow-bytes>
    <flow-packets-ten-second-rate>
      flow-packets-ten-second-rate
    </flow-packets-ten-second-rate>
    <flow-bytes-ten-second-rate>
      flow-bytes-ten-second-rate
    </flow-bytes-ten-second-rate>
    <active-flows>
      active-flows
    </active-flows>
    <flows>
      flows
    </flows>
    <flows-exported>
      flows-exported
    </flows-exported>
    <flow-packets-exported>
      flow-packets-exported
    </flow-packets-exported>
    <flows-expired>
      flows-expired
    </flows-expired>
```



```

    <flows-aged>
      flows-aged
    </flows-aged>
  </flow-information>
</passive-monitoring-information>

```

**Description** Passive monitoring flow information

### <memory-information>

#### Usage

```

<passive-monitoring-information>
  <memory-information>
    <allocation-count>
      allocation-count
    </allocation-count>
    <free-count>
      free-count
    </free-count>
    <maximum-allocated>
      maximum-allocated
    </maximum-allocated>
    <allocations-per-second>
      allocations-per-second
    </allocations-per-second>
    <frees-per-second>
      frees-per-second
    </frees-per-second>
    <memory-used>
      memory-used
    </memory-used>
    <memory-free>
      memory-free
    </memory-free>
  </memory-information>
</passive-monitoring-information>

```

**Description** Passive monitoring memory utilization

### <passive-monitoring-information>

#### Usage

```

<passive-monitoring-information>
  <interface-name>
    interface-name
  </interface-name>
  <local-index>
    local-index
  </local-index>
  <pic-status>
    pic-status
  </pic-status>

```

```
<usage-information>....</usage-information>
<memory-information>....</memory-information>
<flow-information>....</flow-information>
<error-information>....</error-information>
<status-information>....</status-information>
</passive-monitoring-information>
```

## Description

### <status-information>

#### Usage

```
<passive-monitoring-information>
<status-information>
  <status-group-index>
    status-group-index
  </status-group-index>
  <status-export-interval>
    status-export-interval
  </status-export-interval>
  <status-export-format>
    status-export-format
  </status-export-format>
  <status-proto>
    status-proto
  </status-proto>
  <status-engine-type>
    status-engine-type
  </status-engine-type>
  <status-engine-id>
    status-engine-id
  </status-engine-id>
  <status-route-record-count>
    status-route-record-count
  </status-route-record-count>
  <status-ifl-snmp-map-count>
    status-ifl-snmp-map-count
  </status-ifl-snmp-map-count>
  <status-as-count>
    status-as-count
  </status-as-count>
  <status-monitor-time-set>
    status-monitor-time-set
  </status-monitor-time-set>
  <status-monitor-config-set>
    status-monitor-config-set
  </status-monitor-config-set>
  <status-monitor-route-record-set>
    status-monitor-route-record-set
  </status-monitor-route-record-set>
  <status-monitor-ifl-snmp-set>
    status-monitor-ifl-snmp-set
  </status-monitor-ifl-snmp-set>
</status-information>
```

```
</passive-monitoring-information>
```

**Description** Passive monitoring status information

### <usage-information>

#### Usage

```
<passive-monitoring-information>
  <usage-information>
    <uptime>
      uptime
    </uptime>
    <inttime>
      inttime
    </inttime>
    <five-second-load>
      five-second-load
    </five-second-load>
    <one-minute-load>
      one-minute-load
    </one-minute-load>
  </usage-information>
</passive-monitoring-information>
```

**Description** Passive monitoring CPU utilization

## Summary of PGM Response Tags

### <errors>

#### Usage

```
<pgm-statistics-information>
  <packet-counters>
    <errors>
      <short-pgm-header>
        short-pgm-header
      </short-pgm-header>
      <bad-checksum>
        bad-checksum
      </bad-checksum>
      <zero-checksum>
        zero-checksum
      </zero-checksum>
      <bad-tsdu-length>
        bad-tsdu-length
      </bad-tsdu-length>
      <bad-spm-length>
        bad-spm-length
      </bad-spm-length>
      <bad-spm-family>
        bad-spm-family
      </bad-spm-family>
```

```
<bad-nak-length>
  bad-nak-length
</bad-nak-length>
<bad-nak-family>
  bad-nak-family
</bad-nak-family>
<nak-unknown-tsi>
  nak-unknown-tsi
</nak-unknown-tsi>
<nak-throttled>
  nak-throttled
</nak-throttled>
<bad-ncf-length>
  bad-ncf-length
</bad-ncf-length>
<bad-ncf-family>
  bad-ncf-family
</bad-ncf-family>
<ncf-unknown-tsi>
  ncf-unknown-tsi
</ncf-unknown-tsi>
<bad-rdata-length>
  bad-rdata-length
</bad-rdata-length>
<rdata-unknown-tsi>
  rdata-unknown-tsi
</rdata-unknown-tsi>
<odata-with-ra>
  odata-with-ra
</odata-with-ra>
</errors>
</packet-counters>
</pgm-statistics-information>
```

## Description

<nak>

## Usage

```
<pgm-statistics-information>
  <packet-counters>
    <nak>
      <received>
        received
      </received>
      <sent>
        sent
      </sent>
    </nak>
  </packet-counters>
</pgm-statistics-information>
```

## Description

**<ncf>****Usage**

```

<pgm-statistics-information>
  <packet-counters>
    <ncf>
      <received>
        received
      </received>
      <sent>
        sent
      </sent>
    </ncf>
  </packet-counters>
</pgm-statistics-information>

```

**Description****<nullnak>****Usage**

```

<pgm-statistics-information>
  <packet-counters>
    <nullnak>
      <received>
        received
      </received>
      <sent>
        sent
      </sent>
    </nullnak>
  </packet-counters>
</pgm-statistics-information>

```

**Description****<other>****Usage**

```

<pgm-statistics-information>
  <packet-counters>
    <other>
      <received>
        received
      </received>
      <sent>
        sent
      </sent>
    </other>
  </packet-counters>
</pgm-statistics-information>

```

**Description****<packet-counters>****Usage**

```
<pgm-statistics-information>
  <packet-counters>
    <spm>....</spm>
    <poll>....</poll>
    <polr>....</polr>
    <rdata>....</rdata>
    <nak>....</nak>
    <nullnak>....</nullnak>
    <ncf>....</ncf>
    <spmr>....</spmr>
    <other>....</other>
    <errors>....</errors>
  </packet-counters>
</pgm-statistics-information>
```

**Description****<pgm-nak-interface>****Usage**

```
<pgm-spm-information>
  <pgm-spm-tsi>
    <pgm-spm-nak>
      <pgm-nak-interface>
        <pgm-nak-interface-name>
          pgm-nak-interface-name
        </pgm-nak-interface-name>
        <pgm-nak-interface-sender>
          pgm-nak-interface-sender
        </pgm-nak-interface-sender>
      </pgm-nak-interface>
    </pgm-spm-nak>
  </pgm-spm-tsi>
</pgm-spm-information>
```

**Description****<pgm-spm-information>****Usage**

```
<pgm-spm-information>
  <pgm-spm-tsi>....</pgm-spm-tsi>
</pgm-spm-information>
```

**Description**

**<pgm-spm-nak>****Usage**

```

<pgm-spm-information>
  <pgm-spm-tsi>
    <pgm-spm-nak>
      <pgm-nak-sequence>
        pgm-nak-sequence
      </pgm-nak-sequence>
      <pgm-nak-source>
        pgm-nak-source
      </pgm-nak-source>
      <pgm-nak-group>
        pgm-nak-group
      </pgm-nak-group>
      <pgm-nak-interface>....</pgm-nak-interface>
    </pgm-spm-nak>
  </pgm-spm-tsi>
</pgm-spm-information>

```

**Description****<pgm-spm-tsi>****Usage**

```

<pgm-spm-information>
  <pgm-spm-tsi>
    <pgm-spm-gsid>
      pgm-spm-gsid
    </pgm-spm-gsid>
    <pgm-spm-sport>
      pgm-spm-sport
    </pgm-spm-sport>
    <pgm-spm-seq>
      pgm-spm-seq
    </pgm-spm-seq>
    <pgm-spm-trail>
      pgm-spm-trail
    </pgm-spm-trail>
    <pgm-spm-lead>
      pgm-spm-lead
    </pgm-spm-lead>
    <pgm-spm-nla>
      pgm-spm-nla
    </pgm-spm-nla>
    <pgm-spm-nak>....</pgm-spm-nak>
  </pgm-spm-tsi>
</pgm-spm-information>

```

**Description**

## <pgm-statistics-information>

### Usage

```
<pgm-statistics-information>  
<packet-counters>....</packet-counters>  
</pgm-statistics-information>
```

### Description

## <poll>

### Usage

```
<pgm-statistics-information>  
<packet-counters>  
  <poll>  
    <received>  
      received  
    </received>  
    <sent>  
      sent  
    </sent>  
  </poll>  
</packet-counters>  
</pgm-statistics-information>
```

### Description

## <polr>

### Usage

```
<pgm-statistics-information>  
<packet-counters>  
  <polr>  
    <received>  
      received  
    </received>  
    <sent>  
      sent  
    </sent>  
  </polr>  
</packet-counters>  
</pgm-statistics-information>
```

### Description

## <rdata>

### Usage

```
<pgm-statistics-information>  
<packet-counters>  
  <rdata>  
    <received>
```



```

        received
      </received>
    <sent>
      sent
    </sent>
  </rdata>
</packet-counters>
</pgm-statistics-information>

```

**Description****<spm>****Usage**

```

<pgm-statistics-information>
  <packet-counters>
    <spm>
      <received>
        received
      </received>
      <sent>
        sent
      </sent>
    </spm>
  </packet-counters>
</pgm-statistics-information>

```

**Description****<spmr>****Usage**

```

<pgm-statistics-information>
  <packet-counters>
    <spmr>
      <received>
        received
      </received>
      <sent>
        sent
      </sent>
    </spmr>
  </packet-counters>
</pgm-statistics-information>

```

**Description****Summary of PKI Response Tags**

---

**<alternate-subject-list>****Usage**

```

<alternate-subject-list>

```

```
<alternate-subject>
  alternate-subject
</alternate-subject>
</alternate-subject-list>
```

**Description**

**<alternate-subject-list>**

**Usage**

```
<x509-certificate-info>
  <alternate-subject-list>
    <alternate-subject>
      alternate-subject
    </alternate-subject>
  </alternate-subject-list>
</x509-certificate-info>
```

**Description**

**<alternate-subject-list>**

**Usage**

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <alternate-subject-list>
      <alternate-subject>
        alternate-subject
      </alternate-subject>
    </alternate-subject-list>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

**Description**

**<alternate-subject-list>**

**Usage**

```
<x509-certificate-cache-info>
  <alternate-subject-list>
    <alternate-subject>
      alternate-subject
    </alternate-subject>
  </alternate-subject-list>
</x509-certificate-cache-info>
```

**Description**

**<alternate-subject-list>**

**Usage**

```
<x509-certificate-cache-info-list>
```

```

<x509-certificate-cache-info>
  <alternate-subject-list>
    <alternate-subject>
      alternate-subject
    </alternate-subject>
  </alternate-subject-list>
</x509-certificate-cache-info>
</x509-certificate-cache-info-list>

```

#### Description

#### <alternate-subject-list>

##### Usage

```

<pkid-x509-certificate-information>
  <alternate-subject-list>
    <alternate-subject>
      alternate-subject
    </alternate-subject>
  </alternate-subject-list>
</pkid-x509-certificate-information>

```

#### Description

#### <alternate-subject-list>

##### Usage

```

<pkid-x509-certificate-request-information>
  <alternate-subject-list>
    <alternate-subject>
      alternate-subject
    </alternate-subject>
  </alternate-subject-list>
</pkid-x509-certificate-request-information>

```

#### Description

#### <auto-re-enrollment>

##### Usage

```

<auto-re-enrollment>
  <auto-re-enrollment-status>
    auto-re-enrollment-status
  </auto-re-enrollment-status>
  <auto-re-enrollment-next-trigger-time>
    auto-re-enrollment-next-trigger-time
  </auto-re-enrollment-next-trigger-time>
</auto-re-enrollment>

```

#### Description

## <auto-re-enrollment>

### Usage

```
<x509-certificate-info>
  <auto-re-enrollment>
    <auto-re-enrollment-status>
      auto-re-enrollment-status
    </auto-re-enrollment-status>
    <auto-re-enrollment-next-trigger-time>
      auto-re-enrollment-next-trigger-time
    </auto-re-enrollment-next-trigger-time>
  </auto-re-enrollment>
</x509-certificate-info>
```

### Description

## <auto-re-enrollment>

### Usage

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <auto-re-enrollment>
      <auto-re-enrollment-status>
        auto-re-enrollment-status
      </auto-re-enrollment-status>
      <auto-re-enrollment-next-trigger-time>
        auto-re-enrollment-next-trigger-time
      </auto-re-enrollment-next-trigger-time>
    </auto-re-enrollment>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

### Description

## <auto-re-enrollment>

### Usage

```
<pkid-x509-certificate-information>
  <auto-re-enrollment>
    <auto-re-enrollment-status>
      auto-re-enrollment-status
    </auto-re-enrollment-status>
    <auto-re-enrollment-next-trigger-time>
      auto-re-enrollment-next-trigger-time
    </auto-re-enrollment-next-trigger-time>
  </auto-re-enrollment>
</pkid-x509-certificate-information>
```

### Description

### <ca-certificate-enroll>

#### Usage

```
<ca-certificate-enroll>
  <ca-subject>
    ca-subject
  </ca-subject>
  <fingerprint>....</fingerprint>
</ca-certificate-enroll>
```

**Description** Dump the subject and fingerprint of received CA certificate

### <ca-certificate-enroll>

#### Usage

```
<ca-certificate-enroll-list>
  <ca-certificate-enroll>
    <ca-subject>
      ca-subject
    </ca-subject>
    <fingerprint>....</fingerprint>
  </ca-certificate-enroll>
</ca-certificate-enroll-list>
```

**Description** Dump the subject and fingerprint of received CA certificate

### <ca-certificate-enroll-list>

#### Usage

```
<ca-certificate-enroll-list>
  <ca-certificate-enroll-msg>
    ca-certificate-enroll-msg
  </ca-certificate-enroll-msg>
  <ca-certificate-enroll>....</ca-certificate-enroll>
</ca-certificate-enroll-list>
```

#### Description

### <cert-ca-load-status>

#### Usage

```
<cert-ca-load-status>
  <cert-ca-profile>
    cert-ca-profile
  </cert-ca-profile>
</cert-ca-load-status>
```

**Description** Certificate Authority certificate load status

### <cert-ca-manual-load>

**Usage**

```
<cert-ca-manual-load>
  <fingerprint>....</fingerprint>
</cert-ca-manual-load>
```

**Description** CA certificate manual-load prompt

### <cert-flag-info>

**Usage**

```
<cert-flag-info>
  <cert-flag-trust>
    cert-flag-trust
  </cert-flag-trust>
  <cert-flag-root>
    cert-flag-root
  </cert-flag-root>
</cert-flag-info>
```

**Description** Information about state of certificates present in the cache

### <cert-flag-info>

**Usage**

```
<x509-certificate-cache-info>
  <cert-flag-info>
    <cert-flag-trust>
      cert-flag-trust
    </cert-flag-trust>
    <cert-flag-root>
      cert-flag-root
    </cert-flag-root>
  </cert-flag-info>
</x509-certificate-cache-info>
```

**Description** Information about state of certificates present in the cache

### <cert-flag-info>

**Usage**

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <cert-flag-info>
      <cert-flag-trust>
        cert-flag-trust
      </cert-flag-trust>
      <cert-flag-root>
        cert-flag-root
      </cert-flag-root>
    </cert-flag-info>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

```
</cert-flag-root>
</cert-flag-info>
</x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description** Information about state of certificates present in the cache

### <cert-key-pair>

**Usage**

```
<cert-key-pair>
  <cert-key-pair-name>
    cert-key-pair-name
  </cert-key-pair-name>
  <cert-key-pair-size>
    cert-key-pair-size
  </cert-key-pair-size>
</cert-key-pair>
```

**Description** Generate key pair status

### <cert-load-status>

**Usage**

```
<cert-load-status>
  <cert-certificate-id>
    cert-certificate-id
  </cert-certificate-id>
</cert-load-status>
```

**Description** Local certificate load status

### <cert-request-dump>

**Usage**

```
<cert-request-dump>
  <cert-request-dump-msg>
    cert-request-dump-msg
  </cert-request-dump-msg>
  <cert-request-dump-file>....</cert-request-dump-file>
  <fingerprint>....</fingerprint>
</cert-request-dump>
```

**Description** Dump the generated certificate request

### <cert-request-dump-file>

**Usage**

```
<cert-request-dump>
```

```
<cert-request-dump-file>
  <cert-request-dump-file-content>
    cert-request-dump-file-content
  </cert-request-dump-file-content>
</cert-request-dump-file>
</cert-request-dump>
```

**Description**    File contents

### <crl-issuer-alternate-subject-list>

#### Usage

```
<crl-issuer-alternate-subject-list>
  <crl-issuer-alternate-subject>
    crl-issuer-alternate-subject
  </crl-issuer-alternate-subject>
</crl-issuer-alternate-subject-list>
```

**Description**

### <crl-issuer-alternate-subject-list>

#### Usage

```
<x509-crl-information>
  <crl-issuer-alternate-subject-list>
    <crl-issuer-alternate-subject>
      crl-issuer-alternate-subject
    </crl-issuer-alternate-subject>
  </crl-issuer-alternate-subject-list>
</x509-crl-information>
```

**Description**

### <crl-issuer-alternate-subject-list>

#### Usage

```
<x509-pki-crl-information-list>
  <x509-crl-information>
    <crl-issuer-alternate-subject-list>
      <crl-issuer-alternate-subject>
        crl-issuer-alternate-subject
      </crl-issuer-alternate-subject>
    </crl-issuer-alternate-subject-list>
  </x509-crl-information>
</x509-pki-crl-information-list>
```

**Description**



**<crl-issuer-alternate-subject-list>****Usage**

```

<pkid-x509-crl-information>
  <crl-issuer-alternate-subject-list>
    <crl-issuer-alternate-subject>
      crl-issuer-alternate-subject
    </crl-issuer-alternate-subject>
  </crl-issuer-alternate-subject-list>
</pkid-x509-crl-information>

```

**Description****<crl-issuer-alternate-subject-list>****Usage**

```

<x509-pkid-crl-information-list>
  <pkid-x509-crl-information>
    <crl-issuer-alternate-subject-list>
      <crl-issuer-alternate-subject>
        crl-issuer-alternate-subject
      </crl-issuer-alternate-subject>
    </crl-issuer-alternate-subject-list>
  </pkid-x509-crl-information>
</x509-pkid-crl-information-list>

```

**Description****<crl-issuer-detail>****Usage**

```

<x509-crl-information>
  <crl-issuer-detail>
    <distinguished-name>....</distinguished-name>
  </crl-issuer-detail>
</x509-crl-information>

```

**Description** Distinguished name of CRL issuer

**<crl-issuer-detail>****Usage**

```

<x509-pki-crl-information-list>
  <x509-crl-information>
    <crl-issuer-detail>
      <distinguished-name>....</distinguished-name>
    </crl-issuer-detail>
  </x509-crl-information>
</x509-pki-crl-information-list>

```

**Description** Distinguished name of CRL issuer

### <crl-load-status>

**Usage**

```
<crl-load-status>
  <ca-profile-name>
    ca-profile-name
  </ca-profile-name>
</crl-load-status>
```

**Description** Status of manual load of certificate revocation list

### <crl-revocation-list>

**Usage**

```
<crl-revocation-list>
  <revoked-cert-serial-number>
    revoked-cert-serial-number
  </revoked-cert-serial-number>
  <crl-revocation-date>
    crl-revocation-date
  </crl-revocation-date>
</crl-revocation-list>
```

**Description**

### <crl-revocation-list>

**Usage**

```
<x509-crl-information>
  <crl-revocation-list>
    <revoked-cert-serial-number>
      revoked-cert-serial-number
    </revoked-cert-serial-number>
    <crl-revocation-date>
      crl-revocation-date
    </crl-revocation-date>
  </crl-revocation-list>
</x509-crl-information>
```

**Description**

### <crl-revocation-list>

**Usage**

```
<x509-pki-crl-information-list>
  <x509-crl-information>
    <crl-revocation-list>
      <revoked-cert-serial-number>
        revoked-cert-serial-number
      </revoked-cert-serial-number>
```

```

    <crl-revocation-date>
      crl-revocation-date
    </crl-revocation-date>
  </crl-revocation-list>
</x509-crl-information>
</x509-pki-crl-information-list>

```

#### Description

#### <crl-revocation-list>

##### Usage

```

<pkid-x509-crl-information>
  <crl-revocation-list>
    <revoked-cert-serial-number>
      revoked-cert-serial-number
    </revoked-cert-serial-number>
    <crl-revocation-date>
      crl-revocation-date
    </crl-revocation-date>
  </crl-revocation-list>
</pkid-x509-crl-information>

```

#### Description

#### <crl-revocation-list>

##### Usage

```

<x509-pkid-crl-information-list>
  <pkid-x509-crl-information>
    <crl-revocation-list>
      <revoked-cert-serial-number>
        revoked-cert-serial-number
      </revoked-cert-serial-number>
      <crl-revocation-date>
        crl-revocation-date
      </crl-revocation-date>
    </crl-revocation-list>
  </pkid-x509-crl-information>
</x509-pkid-crl-information-list>

```

#### Description

#### <crl-validity>

##### Usage

```

<crl-validity>
  <effective-date>
    effective-date
  </effective-date>
  <next-update>
    next-update
  </next-update>

```

</crl-validity>

**Description** Information about validity period for X.509 certificate revocation list

<crl-validity>

**Usage**

```
<x509-crl-information>
  <crl-validity>
    <effective-date>
      effective-date
    </effective-date>
    <next-update>
      next-update
    </next-update>
  </crl-validity>
</x509-crl-information>
```

**Description** Information about validity period for X.509 certificate revocation list

<crl-validity>

**Usage**

```
<x509-pki-crl-information-list>
  <x509-crl-information>
    <crl-validity>
      <effective-date>
        effective-date
      </effective-date>
      <next-update>
        next-update
      </next-update>
    </crl-validity>
  </x509-crl-information>
</x509-pki-crl-information-list>
```

**Description** Information about validity period for X.509 certificate revocation list

<crl-validity>

**Usage**

```
<pkid-x509-crl-information>
  <crl-validity>
    <effective-date>
      effective-date
    </effective-date>
    <next-update>
      next-update
    </next-update>
  </crl-validity>
```

```
</pkid-x509-crl-information>
```

**Description** Information about validity period for X.509 certificate revocation list

### <crl-validity>

#### Usage

```
<x509-pkid-crl-information-list>
  <pkid-x509-crl-information>
    <crl-validity>
      <effective-date>
        effective-date
      </effective-date>
      <next-update>
        next-update
      </next-update>
    </crl-validity>
  </pkid-x509-crl-information>
</x509-pkid-crl-information-list>
```

**Description** Information about validity period for X.509 certificate revocation list

### <distinguished-name>

#### Usage

```
<distinguished-name>
  <organization-name>
    organization-name
  </organization-name>
  <organizational-unit-name>
    organizational-unit-name
  </organizational-unit-name>
  <country-name>
    country-name
  </country-name>
  <state-or-province-name>
    state-or-province-name
  </state-or-province-name>
  <locality-name>
    locality-name
  </locality-name>
  <common-name>
    common-name
  </common-name>
  <email-address>
    email-address
  </email-address>
  <domain-component>
    domain-component
  </domain-component>
</distinguished-name>
```

**Description****<distinguished-name>****Usage**

```
<x509-certificate-info>
  <issuer>
    <distinguished-name>
      <organization-name>
        organization-name
      </organization-name>
      <organizational-unit-name>
        organizational-unit-name
      </organizational-unit-name>
      <country-name>
        country-name
      </country-name>
      <state-or-province-name>
        state-or-province-name
      </state-or-province-name>
      <locality-name>
        locality-name
      </locality-name>
      <common-name>
        common-name
      </common-name>
      <email-address>
        email-address
      </email-address>
      <domain-component>
        domain-component
      </domain-component>
    </distinguished-name>
  </issuer>
</x509-certificate-info>
```

**Description****<distinguished-name>****Usage**

```
<x509-certificate-info>
  <subject>
    <distinguished-name>
      <organization-name>
        organization-name
      </organization-name>
      <organizational-unit-name>
        organizational-unit-name
      </organizational-unit-name>
      <country-name>
        country-name
      </country-name>
      <state-or-province-name>
        state-or-province-name
      </state-or-province-name>
    </distinguished-name>
  </subject>
</x509-certificate-info>
```

```

</state-or-province-name>
<locality-name>
  locality-name
</locality-name>
<common-name>
  common-name
</common-name>
<email-address>
  email-address
</email-address>
<domain-component>
  domain-component
</domain-component>
</distinguished-name>
</subject>
</x509-certificate-info>

```

#### Description

<distinguished-name>

#### Usage

```

<x509-crl-information>
  <crl-issuer-detail>
    <distinguished-name>
      <organization-name>
        organization-name
      </organization-name>
      <organizational-unit-name>
        organizational-unit-name
      </organizational-unit-name>
      <country-name>
        country-name
      </country-name>
      <state-or-province-name>
        state-or-province-name
      </state-or-province-name>
      <locality-name>
        locality-name
      </locality-name>
      <common-name>
        common-name
      </common-name>
      <email-address>
        email-address
      </email-address>
      <domain-component>
        domain-component
      </domain-component>
    </distinguished-name>
  </crl-issuer-detail>
</x509-crl-information>

```

#### Description

## <distinguished-name>

### Usage

```
<x509-pki-certificate-info-list>
<x509-certificate-info>
  <issuer>
    <distinguished-name>
      <organization-name>
        organization-name
      </organization-name>
      <organizational-unit-name>
        organizational-unit-name
      </organizational-unit-name>
      <country-name>
        country-name
      </country-name>
      <state-or-province-name>
        state-or-province-name
      </state-or-province-name>
      <locality-name>
        locality-name
      </locality-name>
      <common-name>
        common-name
      </common-name>
      <email-address>
        email-address
      </email-address>
      <domain-component>
        domain-component
      </domain-component>
    </distinguished-name>
  </issuer>
</x509-certificate-info>
</x509-pki-certificate-info-list>
```

### Description

## <distinguished-name>

### Usage

```
<x509-pki-certificate-info-list>
<x509-certificate-info>
  <subject>
    <distinguished-name>
      <organization-name>
        organization-name
      </organization-name>
      <organizational-unit-name>
        organizational-unit-name
      </organizational-unit-name>
      <country-name>
        country-name
      </country-name>
```



```

    <state-or-province-name>
      state-or-province-name
    </state-or-province-name>
    <locality-name>
      locality-name
    </locality-name>
    <common-name>
      common-name
    </common-name>
    <email-address>
      email-address
    </email-address>
    <domain-component>
      domain-component
    </domain-component>
  </distinguished-name>
</subject>
</x509-certificate-info>
</x509-pki-certificate-info-list>

```

#### Description

#### <distinguished-name>

#### Usage

```

<x509-pki-crl-information-list>
  <x509-crl-information>
    <crl-issuer-detail>
      <distinguished-name>
        <organization-name>
          organization-name
        </organization-name>
        <organizational-unit-name>
          organizational-unit-name
        </organizational-unit-name>
        <country-name>
          country-name
        </country-name>
        <state-or-province-name>
          state-or-province-name
        </state-or-province-name>
        <locality-name>
          locality-name
        </locality-name>
        <common-name>
          common-name
        </common-name>
        <email-address>
          email-address
        </email-address>
        <domain-component>
          domain-component
        </domain-component>
      </distinguished-name>
    </crl-issuer-detail>
  </x509-crl-information>
</x509-pki-crl-information-list>

```

```
</x509-crl-information>
</x509-pki-crl-information-list>
```

#### Description

**<distinguished-name>**

#### Usage

```
<pkid-x509-certificate-information>
  <issuer-name>
    <distinguished-name>
      <organization-name>
        organization-name
      </organization-name>
      <organizational-unit-name>
        organizational-unit-name
      </organizational-unit-name>
      <country-name>
        country-name
      </country-name>
      <state-or-province-name>
        state-or-province-name
      </state-or-province-name>
      <locality-name>
        locality-name
      </locality-name>
      <common-name>
        common-name
      </common-name>
      <email-address>
        email-address
      </email-address>
      <domain-component>
        domain-component
      </domain-component>
    </distinguished-name>
  </issuer-name>
</pkid-x509-certificate-information>
```

#### Description

**<distinguished-name>**

#### Usage

```
<pkid-x509-certificate-information>
  <subject-name>
    <distinguished-name>
      <organization-name>
        organization-name
      </organization-name>
      <organizational-unit-name>
        organizational-unit-name
      </organizational-unit-name>
      <country-name>
```

```

    country-name
  </country-name>
  <state-or-province-name>
    state-or-province-name
  </state-or-province-name>
  <locality-name>
    locality-name
  </locality-name>
  <common-name>
    common-name
  </common-name>
  <email-address>
    email-address
  </email-address>
  <domain-component>
    domain-component
  </domain-component>
</distinguished-name>
</subject-name>
</pkid-x509-certificate-information>

```

**Description****<distribution-crl-list>****Usage**

```

<distribution-crl-list>
  <distribution-crl>
    distribution-crl
  </distribution-crl>
</distribution-crl-list>

```

**Description** Information about one or more distribution certificate revocation lists**<distribution-crl-list>****Usage**

```

<x509-certificate-info>
  <distribution-crl-list>
    <distribution-crl>
      distribution-crl
    </distribution-crl>
  </distribution-crl-list>
</x509-certificate-info>

```

**Description** Information about one or more distribution certificate revocation lists**<distribution-crl-list>****Usage**

```

<x509-pki-certificate-info-list>

```

```
<x509-certificate-info>
  <distribution-crl-list>
    <distribution-crl>
      distribution-crl
    </distribution-crl>
  </distribution-crl-list>
</x509-certificate-info>
</x509-pki-certificate-info-list>
```

**Description** Information about one or more distribution certificate revocation lists

### <distribution-crl-list>

#### Usage

```
<x509-certificate-cache-info>
  <distribution-crl-list>
    <distribution-crl>
      distribution-crl
    </distribution-crl>
  </distribution-crl-list>
</x509-certificate-cache-info>
```

**Description** Information about one or more distribution certificate revocation lists

### <distribution-crl-list>

#### Usage

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <distribution-crl-list>
      <distribution-crl>
        distribution-crl
      </distribution-crl>
    </distribution-crl-list>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description** Information about one or more distribution certificate revocation lists

### <distribution-crl-list>

#### Usage

```
<pkid-x509-certificate-information>
  <distribution-crl-list>
    <distribution-crl>
      distribution-crl
    </distribution-crl>
  </distribution-crl-list>
</pkid-x509-certificate-information>
```

**Description** Information about one or more distribution certificate revocation lists

### <fingerprint>

#### Usage

```
<fingerprint>
  <fingerprint-hash-algorithm>
    fingerprint-hash-algorithm
  </fingerprint-hash-algorithm>
  <fingerprint-content>
    fingerprint-content
  </fingerprint-content>
</fingerprint>
```

**Description** Fingerprint

### <fingerprint>

#### Usage

```
<x509-certificate-info>
  <fingerprint>
    <fingerprint-hash-algorithm>
      fingerprint-hash-algorithm
    </fingerprint-hash-algorithm>
    <fingerprint-content>
      fingerprint-content
    </fingerprint-content>
  </fingerprint>
</x509-certificate-info>
```

**Description** Fingerprint

### <fingerprint>

#### Usage

```
<cert-ca-manual-load>
  <fingerprint>
    <fingerprint-hash-algorithm>
      fingerprint-hash-algorithm
    </fingerprint-hash-algorithm>
    <fingerprint-content>
      fingerprint-content
    </fingerprint-content>
  </fingerprint>
</cert-ca-manual-load>
```

**Description** Fingerprint

## <fingerprint>

### Usage

```
<cert-request-dump>
  <fingerprint>
    <fingerprint-hash-algorithm>
      fingerprint-hash-algorithm
    </fingerprint-hash-algorithm>
    <fingerprint-content>
      fingerprint-content
    </fingerprint-content>
  </fingerprint>
</cert-request-dump>
```

**Description**    Fingerprint

## <fingerprint>

### Usage

```
<ca-certificate-enroll>
  <fingerprint>
    <fingerprint-hash-algorithm>
      fingerprint-hash-algorithm
    </fingerprint-hash-algorithm>
    <fingerprint-content>
      fingerprint-content
    </fingerprint-content>
  </fingerprint>
</ca-certificate-enroll>
```

**Description**    Fingerprint

## <fingerprint>

### Usage

```
<ca-certificate-enroll-list>
  <ca-certificate-enroll>
    <fingerprint>
      <fingerprint-hash-algorithm>
        fingerprint-hash-algorithm
      </fingerprint-hash-algorithm>
      <fingerprint-content>
        fingerprint-content
      </fingerprint-content>
    </fingerprint>
  </ca-certificate-enroll>
</ca-certificate-enroll-list>
```

**Description**    Fingerprint

### <fingerprint>

#### Usage

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <fingerprint>
      <fingerprint-hash-algorithm>
        fingerprint-hash-algorithm
      </fingerprint-hash-algorithm>
      <fingerprint-content>
        fingerprint-content
      </fingerprint-content>
    </fingerprint>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

Description    Fingerprint

### <fingerprint>

#### Usage

```
<x509-certificate-cache-info>
  <fingerprint>
    <fingerprint-hash-algorithm>
      fingerprint-hash-algorithm
    </fingerprint-hash-algorithm>
    <fingerprint-content>
      fingerprint-content
    </fingerprint-content>
  </fingerprint>
</x509-certificate-cache-info>
```

Description    Fingerprint

### <fingerprint>

#### Usage

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <fingerprint>
      <fingerprint-hash-algorithm>
        fingerprint-hash-algorithm
      </fingerprint-hash-algorithm>
      <fingerprint-content>
        fingerprint-content
      </fingerprint-content>
    </fingerprint>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description**    Fingerprint

### <fingerprint>

**Usage**

```
<pkid-x509-certificate-information>
  <fingerprint>
    <fingerprint-hash-algorithm>
      fingerprint-hash-algorithm
    </fingerprint-hash-algorithm>
    <fingerprint-content>
      fingerprint-content
    </fingerprint-content>
  </fingerprint>
</pkid-x509-certificate-information>
```

**Description**    Fingerprint

### <fingerprint>

**Usage**

```
<pkid-x509-certificate-request-information>
  <fingerprint>
    <fingerprint-hash-algorithm>
      fingerprint-hash-algorithm
    </fingerprint-hash-algorithm>
    <fingerprint-content>
      fingerprint-content
    </fingerprint-content>
  </fingerprint>
</pkid-x509-certificate-request-information>
```

**Description**    Fingerprint

### <issue-info>

**Usage**

```
<issue-info>
  <recipient>
    recipient
  </recipient>
  <issued-by>
    issued-by
  </issued-by>
</issue-info>
```

**Description**



**<issue-info>****Usage**

```

<x509-certificate-info>
  <issue-info>
    <recipient>
      recipient
    </recipient>
    <issued-by>
      issued-by
    </issued-by>
  </issue-info>
</x509-certificate-info>

```

**Description****<issue-info>****Usage**

```

<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <issue-info>
      <recipient>
        recipient
      </recipient>
      <issued-by>
        issued-by
      </issued-by>
    </issue-info>
  </x509-certificate-info>
</x509-pki-certificate-info-list>

```

**Description****<issue-info>****Usage**

```

<x509-certificate-cache-info>
  <issue-info>
    <recipient>
      recipient
    </recipient>
    <issued-by>
      issued-by
    </issued-by>
  </issue-info>
</x509-certificate-cache-info>

```

**Description**

**<issue-info>****Usage**

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <issue-info>
      <recipient>
        recipient
      </recipient>
      <issued-by>
        issued-by
      </issued-by>
    </issue-info>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description****<issue-info>****Usage**

```
<pkid-x509-certificate-information>
  <issue-info>
    <recipient>
      recipient
    </recipient>
    <issued-by>
      issued-by
    </issued-by>
  </issue-info>
</pkid-x509-certificate-information>
```

**Description****<issue-info>****Usage**

```
<pkid-x509-certificate-request-information>
  <issue-info>
    <recipient>
      recipient
    </recipient>
    <issued-by>
      issued-by
    </issued-by>
  </issue-info>
</pkid-x509-certificate-request-information>
```

**Description**

**<issuer>****Usage**

```
<x509-certificate-info>
  <issuer>
    <distinguished-name>....</distinguished-name>
  </issuer>
</x509-certificate-info>
```

**Description** Identifies the CA that issued certificate

**<issuer>****Usage**

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <issuer>
      <distinguished-name>....</distinguished-name>
    </issuer>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

**Description** Identifies the CA that issued certificate

**<issuer-name>****Usage**

```
<pkid-x509-certificate-information>
  <issuer-name>
    <distinguished-name>....</distinguished-name>
  </issuer-name>
</pkid-x509-certificate-information>
```

**Description** Identifies the CA that issued certificate

**<key-usage-list>****Usage**

```
<key-usage-list>
  <key-usage>
    key-usage
  </key-usage>
</key-usage-list>
```

**Description**

**<key-usage-list>****Usage**

```
<x509-certificate-info>
  <key-usage-list>
    <key-usage>
      key-usage
    </key-usage>
  </key-usage-list>
</x509-certificate-info>
```

**Description****<key-usage-list>****Usage**

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <key-usage-list>
      <key-usage>
        key-usage
      </key-usage>
    </key-usage-list>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

**Description****<key-usage-list>****Usage**

```
<x509-certificate-cache-info>
  <key-usage-list>
    <key-usage>
      key-usage
    </key-usage>
  </key-usage-list>
</x509-certificate-cache-info>
```

**Description****<key-usage-list>****Usage**

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <key-usage-list>
      <key-usage>
        key-usage
      </key-usage>
    </key-usage-list>
  </x509-certificate-cache-info>
```

```
</x509-certificate-cache-info-list>
```

#### Description

#### <key-usage-list>

#### Usage

```
<pkid-x509-certificate-information>
  <key-usage-list>
    <key-usage>
      key-usage
    </key-usage>
  </key-usage-list>
</pkid-x509-certificate-information>
```

#### Description

#### <key-usage-list>

#### Usage

```
<pkid-x509-certificate-request-information>
  <key-usage-list>
    <key-usage>
      key-usage
    </key-usage>
  </key-usage-list>
</pkid-x509-certificate-request-information>
```

#### Description

#### <pki-scep>

#### Usage

```
<pki-scep>
  <url>
    url
  </url>
  <ca-name>
    ca-name
  </ca-name>
  <ca-file>
    ca-file
  </ca-file>
  <key>
    key
  </key>
  <certificate-subject>
    certificate-subject
  </certificate-subject>
  <certificate-dns>
    certificate-dns
  </certificate-dns>
  <certificate-alternate-subject>
```

```
    certificate-alternate-subject
  </certificate-alternate-subject>
<encoding>
  encoding
</encoding>
<message>
  message
</message>
</pki-scep>
```

**Description** Simple Certificate Enrollment Protocol

### <pki-status>

**Usage**

```
<pki-status>
<running>
  running
</running>
</pki-status>
```

**Description** Status of PKI service

### <pkid-status-messages>

**Usage**

```
<pkid-status-messages>
<load-status>
  load-status
</load-status>
</pkid-status-messages>
```

**Description** Status of pkid operational commands

### <pkid-x509-certificate-information>

**Usage**

```
<pkid-x509-certificate-information>
<issue-info>....</issue-info>
<serial-number-list>....</serial-number-list>
<public-key>....</public-key>
<fingerprint>....</fingerprint>
<public-key-contents-list>....</public-key-contents-list>
<alternate-subject-list>....</alternate-subject-list>
<key-usage-list>....</key-usage-list>
<distribution-crl-list>....</distribution-crl-list>
<signature-algorithm>
  signature-algorithm
</signature-algorithm>
<identifier>
  identifier
```

```

</identifier>
<validity>.....</validity>
<version>
  version
</version>
<certificate-type>
  certificate-type
</certificate-type>
<status>
  status
</status>
<auto-re-enrollment>.....</auto-re-enrollment>
<issuer-name>.....</issuer-name>
<subject-name>.....</subject-name>
</pkid-x509-certificate-information>

```

**Description** Detailed information about an X.509 certificate

### <pkid-x509-certificate-request-information>

#### Usage

```

<pkid-x509-certificate-request-information>
<issue-info>.....</issue-info>
<serial-number-list>.....</serial-number-list>
<public-key>.....</public-key>
<fingerprint>.....</fingerprint>
<public-key-contents-list>.....</public-key-contents-list>
<alternate-subject-list>.....</alternate-subject-list>
<key-usage-list>.....</key-usage-list>
<signature-algorithm>
  signature-algorithm
</signature-algorithm>
<identifier>
  identifier
</identifier>
<version>
  version
</version>
<status>
  status
</status>
</pkid-x509-certificate-request-information>

```

**Description** Detailed information about an X.509 certificate

### <pkid-x509-crl-information>

#### Usage

```

<pkid-x509-crl-information>
<crl-number>
  crl-number
</crl-number>

```

```
<crl-revocation-list>....</crl-revocation-list>
<crl-validity>....</crl-validity>
<crl-version>
  crl-version
</crl-version>
<crl-issuer>
  crl-issuer
</crl-issuer>
<identifier>
  identifier
</identifier>
<crl-issuer-alternate-subject-list>....</crl-issuer-alternate-subject-list>
</pkid-x509-crl-information>
```

**Description** Detailed information about X.509 certificate revocation list

### <pkid-x509-crl-information>

#### Usage

```
<x509-pkid-crl-information-list>
  <pkid-x509-crl-information>
    <crl-number>
      crl-number
    </crl-number>
    <crl-revocation-list>....</crl-revocation-list>
    <crl-validity>....</crl-validity>
    <crl-version>
      crl-version
    </crl-version>
    <crl-issuer>
      crl-issuer
    </crl-issuer>
    <identifier>
      identifier
    </identifier>
    <crl-issuer-alternate-subject-list>....</crl-issuer-alternate-subject-list>
  </pkid-x509-crl-information>
</x509-pkid-crl-information-list>
```

**Description** Detailed information about X.509 certificate revocation list

### <public-key>

#### Usage

```
<public-key>
  <public-key-algorithm>
    public-key-algorithm
  </public-key-algorithm>
  <public-key-length>
    public-key-length
  </public-key-length>
  <public-key-verification-status>
```



```

        public-key-verification-status
      </public-key-verification-status>
    </public-key>

```

**Description** Information about an X.509 public key

### <public-key>

#### Usage

```

<x509-certificate-info>
  <public-key>
    <public-key-algorithm>
      public-key-algorithm
    </public-key-algorithm>
    <public-key-length>
      public-key-length
    </public-key-length>
    <public-key-verification-status>
      public-key-verification-status
    </public-key-verification-status>
  </public-key>
</x509-certificate-info>

```

**Description** Information about an X.509 public key

### <public-key>

#### Usage

```

<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <public-key>
      <public-key-algorithm>
        public-key-algorithm
      </public-key-algorithm>
      <public-key-length>
        public-key-length
      </public-key-length>
      <public-key-verification-status>
        public-key-verification-status
      </public-key-verification-status>
    </public-key>
  </x509-certificate-info>
</x509-pki-certificate-info-list>

```

**Description** Information about an X.509 public key

### <public-key>

#### Usage

```

<x509-certificate-cache-info>
  <public-key>

```

```
<public-key-algorithm>
  public-key-algorithm
</public-key-algorithm>
<public-key-length>
  public-key-length
</public-key-length>
<public-key-verification-status>
  public-key-verification-status
</public-key-verification-status>
</public-key>
</x509-certificate-cache-info>
```

**Description** Information about an X.509 public key

### <public-key>

#### Usage

```
<x509-certificate-cache-info-list>
<x509-certificate-cache-info>
  <public-key>
    <public-key-algorithm>
      public-key-algorithm
    </public-key-algorithm>
    <public-key-length>
      public-key-length
    </public-key-length>
    <public-key-verification-status>
      public-key-verification-status
    </public-key-verification-status>
  </public-key>
</x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description** Information about an X.509 public key

### <public-key>

#### Usage

```
<pkid-x509-certificate-information>
  <public-key>
    <public-key-algorithm>
      public-key-algorithm
    </public-key-algorithm>
    <public-key-length>
      public-key-length
    </public-key-length>
    <public-key-verification-status>
      public-key-verification-status
    </public-key-verification-status>
  </public-key>
</pkid-x509-certificate-information>
```

**Description** Information about an X.509 public key

### <public-key>

**Usage**

```
<pkid-x509-certificate-request-information>
  <public-key>
    <public-key-algorithm>
      public-key-algorithm
    </public-key-algorithm>
    <public-key-length>
      public-key-length
    </public-key-length>
    <public-key-verification-status>
      public-key-verification-status
    </public-key-verification-status>
  </public-key>
</pkid-x509-certificate-request-information>
```

**Description** Information about an X.509 public key

### <public-key-contents-list>

**Usage**

```
<public-key-contents-list>
  <key-contents>
    key-contents
  </key-contents>
</public-key-contents-list>
```

**Description**

### <public-key-contents-list>

**Usage**

```
<x509-certificate-info>
  <public-key-contents-list>
    <key-contents>
      key-contents
    </key-contents>
  </public-key-contents-list>
</x509-certificate-info>
```

**Description**

### <public-key-contents-list>

**Usage**

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <public-key-contents-list>
      <key-contents>
```

```
    key-contents
  </key-contents>
</public-key-contents-list>
</x509-certificate-info>
</x509-pki-certificate-info-list>
```

#### Description

### <public-key-contents-list>

#### Usage

```
<x509-certificate-cache-info>
  <public-key-contents-list>
    <key-contents>
      key-contents
    </key-contents>
  </public-key-contents-list>
</x509-certificate-cache-info>
```

#### Description

### <public-key-contents-list>

#### Usage

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <public-key-contents-list>
      <key-contents>
        key-contents
      </key-contents>
    </public-key-contents-list>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

#### Description

### <public-key-contents-list>

#### Usage

```
<pkid-x509-certificate-information>
  <public-key-contents-list>
    <key-contents>
      key-contents
    </key-contents>
  </public-key-contents-list>
</pkid-x509-certificate-information>
```

#### Description

### <public-key-contents-list>

#### Usage

```
<pkid-x509-certificate-request-information>
  <public-key-contents-list>
    <key-contents>
      key-contents
    </key-contents>
  </public-key-contents-list>
</pkid-x509-certificate-request-information>
```

#### Description

### <serial-number-list>

#### Usage

```
<serial-number-list>
  <serial-number-x509>
    serial-number-x509
  </serial-number-x509>
</serial-number-list>
```

**Description** Serial numbers of one or more X.509 certificate

### <serial-number-list>

#### Usage

```
<x509-certificate-info>
  <serial-number-list>
    <serial-number-x509>
      serial-number-x509
    </serial-number-x509>
  </serial-number-list>
</x509-certificate-info>
```

**Description** Serial numbers of one or more X.509 certificate

### <serial-number-list>

#### Usage

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <serial-number-list>
      <serial-number-x509>
        serial-number-x509
      </serial-number-x509>
    </serial-number-list>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

**Description** Serial numbers of one or more X.509 certificate

#### <serial-number-list>

**Usage**

```
<x509-certificate-cache-info>
  <serial-number-list>
    <serial-number-x509>
      serial-number-x509
    </serial-number-x509>
  </serial-number-list>
</x509-certificate-cache-info>
```

**Description** Serial numbers of one or more X.509 certificate

#### <serial-number-list>

**Usage**

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <serial-number-list>
      <serial-number-x509>
        serial-number-x509
      </serial-number-x509>
    </serial-number-list>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description** Serial numbers of one or more X.509 certificate

#### <serial-number-list>

**Usage**

```
<pkid-x509-certificate-information>
  <serial-number-list>
    <serial-number-x509>
      serial-number-x509
    </serial-number-x509>
  </serial-number-list>
</pkid-x509-certificate-information>
```

**Description** Serial numbers of one or more X.509 certificate

#### <serial-number-list>

**Usage**

```
<pkid-x509-certificate-request-information>
  <serial-number-list>
    <serial-number-x509>
      serial-number-x509
    </serial-number-x509>
  </serial-number-list>
```

```

    </serial-number-x509>
  </serial-number-list>
</pkid-x509-certificate-request-information>

```

**Description** Serial numbers of one or more X.509 certificate

### <service-set-info>

#### Usage

```

<service-set-info>
  <service-set-name>
    service-set-name
  </service-set-name>
  <total-cert-entries>
    total-cert-entries
  </total-cert-entries>
</service-set-info>

```

**Description** Information about service set and certificate cache statistics

### <service-set-info>

#### Usage

```

<x509-certificate-cache-info>
  <service-set-info>
    <service-set-name>
      service-set-name
    </service-set-name>
    <total-cert-entries>
      total-cert-entries
    </total-cert-entries>
  </service-set-info>
</x509-certificate-cache-info>

```

**Description** Information about service set and certificate cache statistics

### <service-set-info>

#### Usage

```

<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <service-set-info>
      <service-set-name>
        service-set-name
      </service-set-name>
      <total-cert-entries>
        total-cert-entries
      </total-cert-entries>
    </service-set-info>
  </x509-certificate-cache-info>

```

</x509-certificate-cache-info-list>

**Description** Information about service set and certificate cache statistics

### <subject>

#### Usage

```
<x509-certificate-info>
  <subject>
    <distinguished-name>....</distinguished-name>
  </subject>
</x509-certificate-info>
```

**Description** Information about certificate owner

### <subject>

#### Usage

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <subject>
      <distinguished-name>....</distinguished-name>
    </subject>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

**Description** Information about certificate owner

### <subject-name>

#### Usage

```
<pkid-x509-certificate-information>
  <subject-name>
    <distinguished-name>....</distinguished-name>
  </subject-name>
</pkid-x509-certificate-information>
```

**Description** Information about certificate owner

### <validity>

#### Usage

```
<validity>
  <not-before>
    not-before
  </not-before>
  <not-after>
    not-after
  </not-after>
```



</validity>

**Description** Information about validity period for X.509 certificate

<validity>

**Usage**

```
<x509-certificate-info>
  <validity>
    <not-before>
      not-before
    </not-before>
    <not-after>
      not-after
    </not-after>
  </validity>
</x509-certificate-info>
```

**Description** Information about validity period for X.509 certificate

<validity>

**Usage**

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <validity>
      <not-before>
        not-before
      </not-before>
      <not-after>
        not-after
      </not-after>
    </validity>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

**Description** Information about validity period for X.509 certificate

<validity>

**Usage**

```
<x509-certificate-cache-info>
  <validity>
    <not-before>
      not-before
    </not-before>
    <not-after>
      not-after
    </not-after>
  </validity>
```

</x509-certificate-cache-info>

**Description** Information about validity period for X.509 certificate

#### <validity>

##### Usage

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <validity>
      <not-before>
        not-before
      </not-before>
      <not-after>
        not-after
      </not-after>
    </validity>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description** Information about validity period for X.509 certificate

#### <validity>

##### Usage

```
<pkid-x509-certificate-information>
  <validity>
    <not-before>
      not-before
    </not-before>
    <not-after>
      not-after
    </not-after>
  </validity>
</pkid-x509-certificate-information>
```

**Description** Information about validity period for X.509 certificate

#### <verify-cert-status>

##### Usage

```
<verify-cert-status>
  <cert-verification-status>
    cert-verification-status
  </cert-verification-status>
</verify-cert-status>
```

**Description** Certificate verification status

## <verify-integrity-status>

### Usage

```

<verify-integrity-status>
  <int-check-verification-status>
    int-check-verification-status
  </int-check-verification-status>
</verify-integrity-status>

```

**Description** Integrity check verification status

## <x509-certificate-cache-info>

### Usage

```

<x509-certificate-cache-info>
  <service-set-info>.....</service-set-info>
  <cert-flag-info>.....</cert-flag-info>
  <issue-info>.....</issue-info>
  <serial-number-list>.....</serial-number-list>
  <public-key>.....</public-key>
  <fingerprint>.....</fingerprint>
  <public-key-contents-list>.....</public-key-contents-list>
  <alternate-subject-list>.....</alternate-subject-list>
  <key-usage-list>.....</key-usage-list>
  <distribution-crl-list>.....</distribution-crl-list>
  <signature-algorithm>
    signature-algorithm
  </signature-algorithm>
  <identifier>
    identifier
  </identifier>
  <validity>.....</validity>
  <version>
    version
  </version>
  <certificate-cache-entry>
    certificate-cache-entry
  </certificate-cache-entry>
</x509-certificate-cache-info>

```

**Description** Information about an X.509 certificate present in the cache

## <x509-certificate-cache-info>

### Usage

```

<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <service-set-info>.....</service-set-info>
    <cert-flag-info>.....</cert-flag-info>
    <issue-info>.....</issue-info>
    <serial-number-list>.....</serial-number-list>
    <public-key>.....</public-key>

```

```
<fingerprint>....</fingerprint>
<public-key-contents-list>....</public-key-contents-list>
<alternate-subject-list>....</alternate-subject-list>
<key-usage-list>....</key-usage-list>
<distribution-crl-list>....</distribution-crl-list>
<signature-algorithm>
  signature-algorithm
</signature-algorithm>
<identifier>
  identifier
</identifier>
<validity>....</validity>
<version>
  version
</version>
<certificate-cache-entry>
  certificate-cache-entry
</certificate-cache-entry>
</x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description** Information about an X.509 certificate present in the cache

### <x509-certificate-cache-info-list>

#### Usage

```
<x509-certificate-cache-info-list>
<x509-certificate-cache-info>....</x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description** Details of X.509 certificates present in the cache

### <x509-certificate-info>

#### Usage

```
<x509-certificate-info>
<issue-info>....</issue-info>
<serial-number-list>....</serial-number-list>
<public-key>....</public-key>
<fingerprint>....</fingerprint>
<public-key-contents-list>....</public-key-contents-list>
<alternate-subject-list>....</alternate-subject-list>
<key-usage-list>....</key-usage-list>
<distribution-crl-list>....</distribution-crl-list>
<signature-algorithm>
  signature-algorithm
</signature-algorithm>
<identifier>
  identifier
</identifier>
<validity>....</validity>
<version>
```

```

    version
  </version>
  <auto-re-enrollment>.....</auto-re-enrollment>
  <certificate-type>
    certificate-type
  </certificate-type>
  <status>
    status
  </status>
  <issuer>.....</issuer>
  <subject>.....</subject>
</x509-certificate-info>

```

**Description** Detailed information about an X.509 certificate

### <x509-certificate-info>

#### Usage

```

<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <issue-info>.....</issue-info>
    <serial-number-list>.....</serial-number-list>
    <public-key>.....</public-key>
    <fingerprint>.....</fingerprint>
    <public-key-contents-list>.....</public-key-contents-list>
    <alternate-subject-list>.....</alternate-subject-list>
    <key-usage-list>.....</key-usage-list>
    <distribution-crl-list>.....</distribution-crl-list>
    <signature-algorithm>
      signature-algorithm
    </signature-algorithm>
    <identifier>
      identifier
    </identifier>
    <validity>.....</validity>
    <version>
      version
    </version>
    <auto-re-enrollment>.....</auto-re-enrollment>
    <certificate-type>
      certificate-type
    </certificate-type>
    <status>
      status
    </status>
    <issuer>.....</issuer>
    <subject>.....</subject>
  </x509-certificate-info>
</x509-pki-certificate-info-list>

```

**Description** Detailed information about an X.509 certificate

## <x509-crl-information>

### Usage

```
<x509-crl-information>
  <crl-number>
    crl-number
  </crl-number>
  <crl-revocation-list>....</crl-revocation-list>
  <crl-validity>....</crl-validity>
  <crl-version>
    crl-version
  </crl-version>
  <crl-issuer>
    crl-issuer
  </crl-issuer>
  <identifier>
    identifier
  </identifier>
  <crl-issuer-alternate-subject-list>....</crl-issuer-alternate-subject-list>
  <crl-issuer-detail>....</crl-issuer-detail>
</x509-crl-information>
```

**Description** Detailed information about X.509 certificate revocation list

## <x509-crl-information>

### Usage

```
<x509-pki-crl-information-list>
  <x509-crl-information>
    <crl-number>
      crl-number
    </crl-number>
    <crl-revocation-list>....</crl-revocation-list>
    <crl-validity>....</crl-validity>
    <crl-version>
      crl-version
    </crl-version>
    <crl-issuer>
      crl-issuer
    </crl-issuer>
    <identifier>
      identifier
    </identifier>
    <crl-issuer-alternate-subject-list>....</crl-issuer-alternate-subject-list>
    <crl-issuer-detail>....</crl-issuer-detail>
  </x509-crl-information>
</x509-pki-crl-information-list>
```

**Description** Detailed information about X.509 certificate revocation list

### <x509-pki-certificate-info-list>

**Usage**

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>....</x509-certificate-info>
</x509-pki-certificate-info-list>
```

**Description** X.509 certificate details

### <x509-pki-crl-information-list>

**Usage**

```
<x509-pki-crl-information-list>
  <x509-crl-information>....</x509-crl-information>
</x509-pki-crl-information-list>
```

**Description** Detailed information about X.509 certificate revocation list

### <x509-pkid-crl-information-list>

**Usage**

```
<x509-pkid-crl-information-list>
  <pkid-x509-crl-information>....</pkid-x509-crl-information>
</x509-pkid-crl-information-list>
```

**Description** Detailed information about X.509 certificate revocation list

## Summary of Process Map Response Tags (Remove)

---

## Summary of Process Monitoring Response Tags (Remove)

---

## Summary of Periodic Packet Management Response Tags

---

### <adjacency-data>

**Usage**

```
<ppm-adjacencies>
  <adjacency-data>
    <protocol>
      protocol
    </protocol>
    <adjacency-holdtime>
      adjacency-holdtime
    </adjacency-holdtime>
    <adjacency-interface-index>
      adjacency-interface-index
    </adjacency-interface-index>
    <adjacency-no-absorb>
      adjacency-no-absorb
  </adjacency-data>
</ppm-adjacencies>
```

```
</adjacency-no-absorb>
<adjacency-no-refresh>
  adjacency-no-refresh
</adjacency-no-refresh>
<adjacency-do-not-age>
  adjacency-do-not-age
</adjacency-do-not-age>
<adjacency-hello-dropped>
  adjacency-hello-dropped
</adjacency-hello-dropped>
<adjacency-distributed>
  adjacency-distributed
</adjacency-distributed>
<adjacency-ospf-src-key>
  adjacency-ospf-src-key
</adjacency-ospf-src-key>
<adjacency-ospf-area-id>
  adjacency-ospf-area-id
</adjacency-ospf-area-id>
<adjacency-ospf-transit-area-id>
  adjacency-ospf-transit-area-id
</adjacency-ospf-transit-area-id>
<adjacency-ospf-routing-table-index>
  adjacency-ospf-routing-table-index
</adjacency-ospf-routing-table-index>
<adjacency-isis-level>
  adjacency-isis-level
</adjacency-isis-level>
<adjacency-isis-sysid>
  adjacency-isis-sysid
</adjacency-isis-sysid>
<adjacency-esi-type>
  adjacency-esi-type
</adjacency-esi-type>
<adjacency-bfd-discriminator>
  adjacency-bfd-discriminator
</adjacency-bfd-discriminator>
<adjacency-bfd-routing-table-index>
  adjacency-bfd-routing-table-index
</adjacency-bfd-routing-table-index>
<adjacency-host>
  adjacency-host
</adjacency-host>
<redirection-data>....</redirection-data>
<adjacency-ldp-source>
  adjacency-ldp-source
</adjacency-ldp-source>
<adjacency-ldp-routing-table-index>
  adjacency-ldp-routing-table-index
</adjacency-ldp-routing-table-index>
<adjacency-stp-source-key>
  adjacency-stp-source-key
</adjacency-stp-source-key>
<adjacency-cfm-source-key>
  adjacency-cfm-source-key
</adjacency-cfm-source-key>
```



```

    <adjacency-pfe-handle>
      adjacency-pfe-handle
    </adjacency-pfe-handle>
    <adjacency-pfe-addr>
      adjacency-pfe-addr
    </adjacency-pfe-addr>
  </adjacency-data>
</ppm-adjacencies>

```

**Description** Information about an adjacency of the PPM process

### <connection-data>

#### Usage

```

<ppm-connections>
  <connection-data>
    <protocol>
      protocol
    </protocol>
    <logical-system-id>
      logical-system-id
    </logical-system-id>
    <number-adjacencies>
      number-adjacencies
    </number-adjacencies>
    <number-transmissions>
      number-transmissions
    </number-transmissions>
  </connection-data>
</ppm-connections>

```

**Description** Information about a connection to the PPM process

### <interface-data>

#### Usage

```

<ppm-interfaces>
  <interface-data>
    <interface-key>
      interface-key
    </interface-key>
    <protocol>
      protocol
    </protocol>
    <interface-index>
      interface-index
    </interface-index>
    <interface-distributed>
      interface-distributed
    </interface-distributed>
    <interface-pfe-handle>
      interface-pfe-handle

```

```
</interface-pfe-handle>
<interface-pfe-addr>
  interface-pfe-addr
</interface-pfe-addr>
</interface-data>
</ppm-interfaces>
```

**Description** Information about a interface of the PPM process

### <object-data>

#### Usage

```
<ppm-objects>
<object-data>
  <protocol>
    protocol
  </protocol>
  <object-id>
    object-id
  </object-id>
  <object-key>
    object-key
  </object-key>
</object-data>
</ppm-objects>
```

**Description** Information about an adjacency of the PPM process

### <ppm-adjacencies>

#### Usage

```
<ppm-adjacencies>
<adjacency-data>....</adjacency-data>
<total-adjacencies>
  total-adjacencies
</total-adjacencies>
<remote-adjacencies>
  remote-adjacencies
</remote-adjacencies>
</ppm-adjacencies>
```

**Description** Information about one or more adjacencies of the periodic packet management process

### <ppm-connections>

#### Usage

```
<ppm-connections>
<connection-data>....</connection-data>
<total-connections>
  total-connections
</total-connections>
```

```
<remote-connections>
  remote-connections
</remote-connections>
</ppm-connections>
```

**Description** Information about one or more connections to the periodic packet management process

### <ppm-interfaces>

#### Usage

```
<ppm-interfaces>
  <interface-data>....</interface-data>
  <total-interfaces>
    total-interfaces
  </total-interfaces>
  <remote-interfaces>
    remote-interfaces
  </remote-interfaces>
</ppm-interfaces>
```

**Description** Information about one or more interfaces of the periodic packet management process

### <ppm-objects>

#### Usage

```
<ppm-objects>
  <object-data>....</object-data>
  <total-objects>
    total-objects
  </total-objects>
  <remote-objects>
    remote-objects
  </remote-objects>
</ppm-objects>
```

**Description** Information about one or more opaque objects of the periodic packetmanagement process

### <ppm-transmissions>

#### Usage

```
<ppm-transmissions>
  <transmission-data>....</transmission-data>
  <total-transmissions>
    total-transmissions
  </total-transmissions>
  <remote-transmissions>
    remote-transmissions
  </remote-transmissions>
</ppm-transmissions>
```

**Description** Information about one or more transmissions of the periodic packet management process

### <ppmd-rules>

#### Usage

```
<ppmd-rules>
  <rule-data>....</rule-data>
  <total-rules>
    total-rules
  </total-rules>
</ppmd-rules>
```

**Description** Information about one or more rules of the periodic packet management process

### <redirection-data>

#### Usage

```
<ppm-adjacencies>
  <adjacency-data>
    <redirection-data>
      <redirection-type>
        redirection-type
      </redirection-type>
      <redirection-rule-type>
        redirection-rule-type
      </redirection-rule-type>
      <redirection-rule-term-src>
        redirection-rule-term-src
      </redirection-rule-term-src>
      <redirection-rule-term-port>
        redirection-rule-term-port
      </redirection-rule-term-port>
      <redirection-rule-term-action>
        redirection-rule-term-action
      </redirection-rule-term-action>
    </redirection-data>
  </adjacency-data>
</ppm-adjacencies>
```

**Description** Information about a PPMD Adjacency Host

### <rule-data>

#### Usage

```
<ppmd-rules>
  <rule-data>
    <rule-key-source>
      rule-key-source
    </rule-key-source>
    <rule-key-port>
      rule-key-port
    </rule-key-port>
```

```
<rule-nexthop>  
  rule-nexthop  
</rule-nexthop>  
<rule-program>  
  rule-program  
</rule-program>  
</rule-data>  
</ppmd-rules>
```

**Description** Information about a rule of the PPM process

### <transmission-data>

#### Usage

```
<ppm-transmissions>  
  <transmission-data>  
    <transmission-destination>  
      transmission-destination  
    </transmission-destination>  
    <protocol>  
      protocol  
    </protocol>  
    <transmission-interval>  
      transmission-interval  
    </transmission-interval>  
    <transmission-host>  
      transmission-host  
    </transmission-host>  
    <transmission-distributed>  
      transmission-distributed  
    </transmission-distributed>  
    <transmission-pfe-handle>  
      transmission-pfe-handle  
    </transmission-pfe-handle>  
    <transmission-pfe-addr>  
      transmission-pfe-addr  
    </transmission-pfe-addr>  
  </transmission-data>  
</ppm-transmissions>
```

**Description** Information about a transmission of the PPM process

## Summary of PPP Response Tags

---

### <assigned-address-list>

#### Usage

```
<ppp-address-pool-information>  
  <assigned-address-list>  
    <pool-address-assignment>....</pool-address-assignment>  
  </assigned-address-list>
```

```
</ppp-address-pool-information>
```

**Description** List of addresses assigned in pool

### <ipcp-address>

#### Usage

```
<ppp-session>
  <ppp-session-protocol-information>
    <ppp-negotiated-options>
      <ipcp-address>
        <local-address>
          local-address
        </local-address>
        <remote-address>
          remote-address
        </remote-address>
      </ipcp-address>
    </ppp-negotiated-options>
  </ppp-session-protocol-information>
</ppp-session>
```

**Description** Negotiated IP address Internet Protocol Control Protocol option

### <ipcp-address>

#### Usage

```
<ppp-interface-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-negotiated-options>
        <ipcp-address>
          <local-address>
            local-address
          </local-address>
          <remote-address>
            remote-address
          </remote-address>
        </ipcp-address>
      </ppp-negotiated-options>
    </ppp-session-protocol-information>
  </ppp-session>
</ppp-interface-information>
```

**Description** Negotiated IP address Internet Protocol Control Protocol option

### <ipcp-address>

#### Usage

```
<ppp-summary-information>
  <ppp-session>
```

```

<ppp-session-protocol-information>
  <ppp-negotiated-options>
    <ipcp-address>
      <local-address>
        local-address
      </local-address>
      <remote-address>
        remote-address
      </remote-address>
    </ipcp-address>
  </ppp-negotiated-options>
</ppp-session-protocol-information>
</ppp-session>
</ppp-summary-information>

```

**Description** Negotiated IP address Internet Protocol Control Protocol option

### <ipcp-address>

#### Usage

```

<ppp-subscriber-summary-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-negotiated-options>
        <ipcp-address>
          <local-address>
            local-address
          </local-address>
          <remote-address>
            remote-address
          </remote-address>
        </ipcp-address>
      </ppp-negotiated-options>
    </ppp-session-protocol-information>
  </ppp-session>
</ppp-subscriber-summary-information>

```

**Description** Negotiated IP address Internet Protocol Control Protocol option

### <ipcp-address>

#### Usage

```

<ppp-subscriber-summary-noheader-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-negotiated-options>
        <ipcp-address>
          <local-address>
            local-address
          </local-address>
          <remote-address>
            remote-address

```

```
</remote-address>
</ipcp-address>
</ppp-negotiated-options>
</ppp-session-protocol-information>
</ppp-session>
</ppp-subscriber-summary-noheader-information>
```

**Description** Negotiated IP address Internet Protocol Control Protocol option

### <ipv6cp-interface-identifier>

#### Usage

```
<ppp-session>
  <ppp-session-protocol-information>
    <ppp-negotiated-options>
      <ipv6cp-interface-identifier>
        <local-interface-identifier>
          local-interface-identifier
        </local-interface-identifier>
        <remote-interface-identifier>
          remote-interface-identifier
        </remote-interface-identifier>
      </ipv6cp-interface-identifier>
    </ppp-negotiated-options>
  </ppp-session-protocol-information>
</ppp-session>
```

**Description** Negotiated Internet Protocol Version 6 Control Protocol interface identifier option

### <ipv6cp-interface-identifier>

#### Usage

```
<ppp-interface-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-negotiated-options>
        <ipv6cp-interface-identifier>
          <local-interface-identifier>
            local-interface-identifier
          </local-interface-identifier>
          <remote-interface-identifier>
            remote-interface-identifier
          </remote-interface-identifier>
        </ipv6cp-interface-identifier>
      </ppp-negotiated-options>
    </ppp-session-protocol-information>
  </ppp-session>
</ppp-interface-information>
```

**Description** Negotiated Internet Protocol Version 6 Control Protocol interface identifier option



### <ipv6cp-interface-identifier>

#### Usage

```

<ppp-summary-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-negotiated-options>
        <ipv6cp-interface-identifier>
          <local-interface-identifier>
            local-interface-identifier
          </local-interface-identifier>
          <remote-interface-identifier>
            remote-interface-identifier
          </remote-interface-identifier>
        </ipv6cp-interface-identifier>
      </ppp-negotiated-options>
    </ppp-session-protocol-information>
  </ppp-session>
</ppp-summary-information>

```

**Description** Negotiated Internet Protocol Version 6 Control Protocol interface identifier option

### <ipv6cp-interface-identifier>

#### Usage

```

<ppp-subscriber-summary-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-negotiated-options>
        <ipv6cp-interface-identifier>
          <local-interface-identifier>
            local-interface-identifier
          </local-interface-identifier>
          <remote-interface-identifier>
            remote-interface-identifier
          </remote-interface-identifier>
        </ipv6cp-interface-identifier>
      </ppp-negotiated-options>
    </ppp-session-protocol-information>
  </ppp-session>
</ppp-subscriber-summary-information>

```

**Description** Negotiated Internet Protocol Version 6 Control Protocol interface identifier option

### <ipv6cp-interface-identifier>

#### Usage

```

<ppp-subscriber-summary-noheader-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-negotiated-options>
        <ipv6cp-interface-identifier>

```

```
<local-interface-identifier>
  local-interface-identifier
</local-interface-identifier>
<remote-interface-identifier>
  remote-interface-identifier
</remote-interface-identifier>
</ipv6cp-interface-identifier>
</ppp-negotiated-options>
</ppp-session-protocol-information>
</ppp-session>
</ppp-subscriber-summary-noheader-information>
```

**Description** Negotiated Internet Protocol Version 6 Control Protocol interface identifier option

### <lcp-authentication-protocol>

#### Usage

```
<ppp-session>
  <ppp-session-protocol-information>
    <ppp-negotiated-options>
      <lcp-authentication-protocol>
        <authentication-protocol-name>
          authentication-protocol-name
        </authentication-protocol-name>
        <authentication-algorithm>
          authentication-algorithm
        </authentication-algorithm>
      </lcp-authentication-protocol>
    </ppp-negotiated-options>
  </ppp-session-protocol-information>
</ppp-session>
```

**Description** Link Control Protocol authentication protocol option

### <lcp-authentication-protocol>

#### Usage

```
<ppp-interface-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-negotiated-options>
        <lcp-authentication-protocol>
          <authentication-protocol-name>
            authentication-protocol-name
          </authentication-protocol-name>
          <authentication-algorithm>
            authentication-algorithm
          </authentication-algorithm>
        </lcp-authentication-protocol>
      </ppp-negotiated-options>
    </ppp-session-protocol-information>
  </ppp-session>
```

</ppp-interface-information>

**Description** Link Control Protocol authentication protocol option

### <lcp-authentication-protocol>

#### Usage

```
<ppp-summary-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-negotiated-options>
        <lcp-authentication-protocol>
          <authentication-protocol-name>
            authentication-protocol-name
          </authentication-protocol-name>
          <authentication-algorithm>
            authentication-algorithm
          </authentication-algorithm>
        </lcp-authentication-protocol>
      </ppp-negotiated-options>
    </ppp-session-protocol-information>
  </ppp-session>
</ppp-summary-information>
```

**Description** Link Control Protocol authentication protocol option

### <lcp-authentication-protocol>

#### Usage

```
<ppp-subscriber-summary-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-negotiated-options>
        <lcp-authentication-protocol>
          <authentication-protocol-name>
            authentication-protocol-name
          </authentication-protocol-name>
          <authentication-algorithm>
            authentication-algorithm
          </authentication-algorithm>
        </lcp-authentication-protocol>
      </ppp-negotiated-options>
    </ppp-session-protocol-information>
  </ppp-session>
</ppp-subscriber-summary-information>
```

**Description** Link Control Protocol authentication protocol option

## <lcp-authentication-protocol>

### Usage

```
<ppp-subscriber-summary-noheader-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-negotiated-options>
        <lcp-authentication-protocol>
          <authentication-protocol-name>
            authentication-protocol-name
          </authentication-protocol-name>
          <authentication-algorithm>
            authentication-algorithm
          </authentication-algorithm>
        </lcp-authentication-protocol>
      </ppp-negotiated-options>
    </ppp-session-protocol-information>
  </ppp-session>
</ppp-subscriber-summary-noheader-information>
```

**Description** Link Control Protocol authentication protocol option

## <lcp-endpoint-discriminator>

### Usage

```
<ppp-session>
  <ppp-session-protocol-information>
    <ppp-negotiated-options>
      <lcp-endpoint-discriminator>
        <endpoint-discriminator-class>
          endpoint-discriminator-class
        </endpoint-discriminator-class>
        <endpoint-discriminator-identifier>
          endpoint-discriminator-identifier
        </endpoint-discriminator-identifier>
      </lcp-endpoint-discriminator>
    </ppp-negotiated-options>
  </ppp-session-protocol-information>
</ppp-session>
```

**Description** Link Control Protocol endpoint discriminator option

## <lcp-endpoint-discriminator>

### Usage

```
<ppp-interface-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-negotiated-options>
        <lcp-endpoint-discriminator>
          <endpoint-discriminator-class>
            endpoint-discriminator-class
```

```

        </endpoint-discriminator-class>
        <endpoint-discriminator-identifier>
            endpoint-discriminator-identifier
        </endpoint-discriminator-identifier>
    </lcp-endpoint-discriminator>
</ppp-negotiated-options>
</ppp-session-protocol-information>
</ppp-session>
</ppp-interface-information>

```

**Description** Link Control Protocol endpoint discriminator option

### <lcp-endpoint-discriminator>

#### Usage

```

<ppp-summary-information>
<ppp-session>
<ppp-session-protocol-information>
<ppp-negotiated-options>
    <lcp-endpoint-discriminator>
        <endpoint-discriminator-class>
            endpoint-discriminator-class
        </endpoint-discriminator-class>
        <endpoint-discriminator-identifier>
            endpoint-discriminator-identifier
        </endpoint-discriminator-identifier>
    </lcp-endpoint-discriminator>
</ppp-negotiated-options>
</ppp-session-protocol-information>
</ppp-session>
</ppp-summary-information>

```

**Description** Link Control Protocol endpoint discriminator option

### <lcp-endpoint-discriminator>

#### Usage

```

<ppp-subscriber-summary-information>
<ppp-session>
<ppp-session-protocol-information>
<ppp-negotiated-options>
    <lcp-endpoint-discriminator>
        <endpoint-discriminator-class>
            endpoint-discriminator-class
        </endpoint-discriminator-class>
        <endpoint-discriminator-identifier>
            endpoint-discriminator-identifier
        </endpoint-discriminator-identifier>
    </lcp-endpoint-discriminator>
</ppp-negotiated-options>
</ppp-session-protocol-information>
</ppp-session>

```

</ppp-subscriber-summary-information>

**Description** Link Control Protocol endpoint discriminator option

### <lcp-endpoint-discriminator>

#### Usage

```
<ppp-subscriber-summary-noheader-information>
<ppp-session>
  <ppp-session-protocol-information>
    <ppp-negotiated-options>
      <lcp-endpoint-discriminator>
        <endpoint-discriminator-class>
          endpoint-discriminator-class
        </endpoint-discriminator-class>
        <endpoint-discriminator-identifier>
          endpoint-discriminator-identifier
        </endpoint-discriminator-identifier>
      </lcp-endpoint-discriminator>
    </ppp-negotiated-options>
  </ppp-session-protocol-information>
</ppp-session>
</ppp-subscriber-summary-noheader-information>
```

**Description** Link Control Protocol endpoint discriminator option

### <lcp-multilink-header>

#### Usage

```
<ppp-session>
  <ppp-session-protocol-information>
    <ppp-negotiated-options>
      <lcp-multilink-header>
        <multilink-header-code>
          multilink-header-code
        </multilink-header-code>
        <multilink-header-suspendable-classes>
          multilink-header-suspendable-classes
        </multilink-header-suspendable-classes>
      </lcp-multilink-header>
    </ppp-negotiated-options>
  </ppp-session-protocol-information>
</ppp-session>
```

**Description** Link Control Protocol multilink header format option

### <lcp-multilink-header>

#### Usage

```
<ppp-interface-information>
  <ppp-session>
```

```

<ppp-session-protocol-information>
  <ppp-negotiated-options>
    <lcp-multilink-header>
      <multilink-header-code>
        multilink-header-code
      </multilink-header-code>
      <multilink-header-suspendable-classes>
        multilink-header-suspendable-classes
      </multilink-header-suspendable-classes>
    </lcp-multilink-header>
  </ppp-negotiated-options>
</ppp-session-protocol-information>
</ppp-session>
</ppp-interface-information>

```

**Description** Link Control Protocol multilink header format option

### <lcp-multilink-header>

#### Usage

```

<ppp-summary-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-negotiated-options>
        <lcp-multilink-header>
          <multilink-header-code>
            multilink-header-code
          </multilink-header-code>
          <multilink-header-suspendable-classes>
            multilink-header-suspendable-classes
          </multilink-header-suspendable-classes>
        </lcp-multilink-header>
      </ppp-negotiated-options>
    </ppp-session-protocol-information>
  </ppp-session>
</ppp-summary-information>

```

**Description** Link Control Protocol multilink header format option

### <lcp-multilink-header>

#### Usage

```

<ppp-subscriber-summary-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-negotiated-options>
        <lcp-multilink-header>
          <multilink-header-code>
            multilink-header-code
          </multilink-header-code>
          <multilink-header-suspendable-classes>
            multilink-header-suspendable-classes

```

```
        </multilink-header-suspendable-classes>
      </lcp-multilink-header>
    </ppp-negotiated-options>
  </ppp-session-protocol-information>
</ppp-session>
</ppp-subscriber-summary-information>
```

**Description** Link Control Protocol multilink header format option

### <lcp-multilink-header>

#### Usage

```
<ppp-subscriber-summary-noheader-information>
<ppp-session>
  <ppp-session-protocol-information>
    <ppp-negotiated-options>
      <lcp-multilink-header>
        <multilink-header-code>
          multilink-header-code
        </multilink-header-code>
        <multilink-header-suspendable-classes>
          multilink-header-suspendable-classes
        </multilink-header-suspendable-classes>
      </lcp-multilink-header>
    </ppp-negotiated-options>
  </ppp-session-protocol-information>
</ppp-session>
</ppp-subscriber-summary-noheader-information>
```

**Description** Link Control Protocol multilink header format option

### <pool-address-assignment>

#### Usage

```
<pool-address-assignment>
  <pool-address>
    pool-address
  </pool-address>
  <session-name>
    session-name
  </session-name>
  <pool-address-blocked>
    pool-address-blocked
  </pool-address-blocked>
</pool-address-assignment>
```

**Description** Assignment information for one address in the pool



### <pool-address-assignment>

#### Usage

```
<ppp-address-pool-information>
  <assigned-address-list>
    <pool-address-assignment>
      <pool-address>
        pool-address
      </pool-address>
      <session-name>
        session-name
      </session-name>
      <pool-address-blocked>
        pool-address-blocked
      </pool-address-blocked>
    </pool-address-assignment>
  </assigned-address-list>
</ppp-address-pool-information>
```

**Description** Assignment information for one address in the pool

### <pool-address-list>

#### Usage

```
<ppp-address-pool-information>
  <pool-address-list>
    <pool-address>
      pool-address
    </pool-address>
  </pool-address-list>
</ppp-address-pool-information>
```

**Description** List of addresses in pool

### <pool-range>

#### Usage

```
<ppp-address-pool-information>
  <pool-range>
    <low-address>
      low-address
    </low-address>
    <high-address>
      high-address
    </high-address>
  </pool-range>
</ppp-address-pool-information>
```

**Description** Range of addresses in pool

### <ppp-address-pool-information>

#### Usage

```
<ppp-address-pool-information>
  <pool-name>
    pool-name
  </pool-name>
  <assigned-addresses>
    assigned-addresses
  </assigned-addresses>
  <configured-addresses>
    configured-addresses
  </configured-addresses>
  <pool-range>....</pool-range>
  <pool-address-list>....</pool-address-list>
  <assigned-address-list>....</assigned-address-list>
</ppp-address-pool-information>
```

**Description** PPP address pool information

### <ppp-auth-protocol-information>

#### Usage

```
<ppp-session>
  <ppp-auth-protocol-information>
    <ppp-state>
      ppp-state
    </ppp-state>
    <ppp-last-started>
      ppp-last-started
    </ppp-last-started>
    <ppp-last-completed>
      ppp-last-completed
    </ppp-last-completed>
    <ppp-auth-proto>
      ppp-auth-proto
    </ppp-auth-proto>
  </ppp-auth-protocol-information>
</ppp-session>
```

**Description** Authentication protocol information for PPP session

### <ppp-auth-protocol-information>

#### Usage

```
<ppp-interface-information>
  <ppp-session>
    <ppp-auth-protocol-information>
      <ppp-state>
        ppp-state
      </ppp-state>
      <ppp-last-started>
```

```

    ppp-last-started
  </ppp-last-started>
  <ppp-last-completed>
    ppp-last-completed
  </ppp-last-completed>
  <ppp-auth-proto>
    ppp-auth-proto
  </ppp-auth-proto>
</ppp-auth-protocol-information>
</ppp-session>
</ppp-interface-information>

```

**Description** Authentication protocol information for PPP session

### <ppp-auth-protocol-information>

#### Usage

```

<ppp-summary-information>
  <ppp-session>
    <ppp-auth-protocol-information>
      <ppp-state>
        ppp-state
      </ppp-state>
      <ppp-last-started>
        ppp-last-started
      </ppp-last-started>
      <ppp-last-completed>
        ppp-last-completed
      </ppp-last-completed>
      <ppp-auth-proto>
        ppp-auth-proto
      </ppp-auth-proto>
    </ppp-auth-protocol-information>
  </ppp-session>
</ppp-summary-information>

```

**Description** Authentication protocol information for PPP session

### <ppp-auth-protocol-information>

#### Usage

```

<ppp-subscriber-summary-information>
  <ppp-session>
    <ppp-auth-protocol-information>
      <ppp-state>
        ppp-state
      </ppp-state>
      <ppp-last-started>
        ppp-last-started
      </ppp-last-started>
      <ppp-last-completed>
        ppp-last-completed

```

```
</ppp-last-completed>
<ppp-auth-proto>
  ppp-auth-proto
</ppp-auth-proto>
</ppp-auth-protocol-information>
</ppp-session>
</ppp-subscriber-summary-information>
```

**Description** Authentication protocol information for PPP session

### <ppp-auth-protocol-information>

#### Usage

```
<ppp-subscriber-summary-noheader-information>
<ppp-session>
  <ppp-auth-protocol-information>
    <ppp-state>
      ppp-state
    </ppp-state>
    <ppp-last-started>
      ppp-last-started
    </ppp-last-started>
    <ppp-last-completed>
      ppp-last-completed
    </ppp-last-completed>
    <ppp-auth-proto>
      ppp-auth-proto
    </ppp-auth-proto>
  </ppp-auth-protocol-information>
</ppp-session>
</ppp-subscriber-summary-noheader-information>
```

**Description** Authentication protocol information for PPP session

### <ppp-destination-profile>

#### Usage

```
<ppp-session>
  <ppp-session-protocol-information>
    <ppp-destination-profile>
      <pool-name>
        pool-name
      </pool-name>
    </ppp-destination-profile>
  </ppp-session-protocol-information>
</ppp-session>
```

**Description** Destination profile information

**<ppp-destination-profile>****Usage**

```

<ppp-interface-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-destination-profile>
        <pool-name>
          pool-name
        </pool-name>
      </ppp-destination-profile>
    </ppp-session-protocol-information>
  </ppp-session>
</ppp-interface-information>

```

**Description** Destination profile information

**<ppp-destination-profile>****Usage**

```

<ppp-summary-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-destination-profile>
        <pool-name>
          pool-name
        </pool-name>
      </ppp-destination-profile>
    </ppp-session-protocol-information>
  </ppp-session>
</ppp-summary-information>

```

**Description** Destination profile information

**<ppp-destination-profile>****Usage**

```

<ppp-subscriber-summary-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-destination-profile>
        <pool-name>
          pool-name
        </pool-name>
      </ppp-destination-profile>
    </ppp-session-protocol-information>
  </ppp-session>
</ppp-subscriber-summary-information>

```

**Description** Destination profile information

### <ppp-destination-profile>

#### Usage

```
<ppp-subscriber-summary-noheader-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-destination-profile>
        <pool-name>
          pool-name
        </pool-name>
      </ppp-destination-profile>
    </ppp-session-protocol-information>
  </ppp-session>
</ppp-subscriber-summary-noheader-information>
```

**Description** Destination profile information

### <ppp-interface-information>

#### Usage

```
<ppp-interface-information>
  <interface-name>
    interface-name
  </interface-name>
  <ppp-session>....</ppp-session>
</ppp-interface-information>
```

**Description** PPP interface information

### <ppp-memory-statistics>

#### Usage

```
<ppp-statistics-information>
  <ppp-memory-statistics>
    <ppp-memory-tag>....</ppp-memory-tag>
  </ppp-memory-statistics>
</ppp-statistics-information>
```

**Description** PPP process memory statistics

### <ppp-memory-tag>

#### Usage

```
<ppp-statistics-information>
  <ppp-memory-statistics>
    <ppp-memory-tag>
      <ppp-memory-tag-name>
        ppp-memory-tag-name
      </ppp-memory-tag-name>
      <ppp-memory-tag-size>
```

```

    ppp-memory-tag-size
  </ppp-memory-tag-size>
  <ppp-memory-tag-active>
    ppp-memory-tag-active
  </ppp-memory-tag-active>
  <ppp-memory-tag-free>
    ppp-memory-tag-free
  </ppp-memory-tag-free>
  <ppp-memory-tag-maximum-free>
    ppp-memory-tag-maximum-free
  </ppp-memory-tag-maximum-free>
  <ppp-memory-tag-requests>
    ppp-memory-tag-requests
  </ppp-memory-tag-requests>
  <ppp-memory-tag-failures>
    ppp-memory-tag-failures
  </ppp-memory-tag-failures>
  <ppp-memory-tag-total>
    ppp-memory-tag-total
  </ppp-memory-tag-total>
</ppp-memory-tag>
</ppp-memory-statistics>
</ppp-statistics-information>

```

**Description** Tag associated with memory blocks

## <ppp-negotiated-options>

### Usage

```

<ppp-session>
  <ppp-session-protocol-information>
    <ppp-negotiated-options>
      <ipcp-address>....</ipcp-address>
      <ipcp-compression-protocol>
        ipcp-compression-protocol
      </ipcp-compression-protocol>
      <ipcp-primary-dns>
        ipcp-primary-dns
      </ipcp-primary-dns>
      <ipcp-primary-wins>
        ipcp-primary-wins
      </ipcp-primary-wins>
      <ipcp-secondary-dns>
        ipcp-secondary-dns
      </ipcp-secondary-dns>
      <ipcp-secondary-wins>
        ipcp-secondary-wins
      </ipcp-secondary-wins>
      <ipv6cp-interface-identifier>....</ipv6cp-interface-identifier>
      <bcp-mac-support>
        bcp-mac-support
      </bcp-mac-support>
      <bcp-tagged-frame>
        bcp-tagged-frame

```

```
</bcp-tagged-frame>
<lcp-address-compression-field-compression>
  lcp-address-compression-field-compression
</lcp-address-compression-field-compression>
<lcp-async-map>
  lcp-async-map
</lcp-async-map>
<lcp-authentication-protocol>....</lcp-authentication-protocol>
<lcp-endpoint-discriminator>....</lcp-endpoint-discriminator>
<lcp-magic-number>
  lcp-magic-number
</lcp-magic-number>
<lcp-mrru>
  lcp-mrru
</lcp-mrru>
<lcp-mru>
  lcp-mru
</lcp-mru>
<lcp-multilink-header>....</lcp-multilink-header>
<lcp-protocol-field-compression>
  lcp-protocol-field-compression
</lcp-protocol-field-compression>
<lcp-short-sequence>
  lcp-short-sequence
</lcp-short-sequence>
</ppp-negotiated-options>
</ppp-session-protocol-information>
</ppp-session>
```

**Description** PPP options negotiated with the remote peer

## <ppp-negotiated-options>

### Usage

```
<ppp-interface-information>
<ppp-session>
  <ppp-session-protocol-information>
    <ppp-negotiated-options>
      <ipcp-address>....</ipcp-address>
      <ipcp-compression-protocol>
        ipcp-compression-protocol
      </ipcp-compression-protocol>
      <ipcp-primary-dns>
        ipcp-primary-dns
      </ipcp-primary-dns>
      <ipcp-primary-wins>
        ipcp-primary-wins
      </ipcp-primary-wins>
      <ipcp-secondary-dns>
        ipcp-secondary-dns
      </ipcp-secondary-dns>
      <ipcp-secondary-wins>
        ipcp-secondary-wins
      </ipcp-secondary-wins>
```



```

<ipv6cp-interface-identifier>....</ipv6cp-interface-identifier>
<bcp-mac-support>
  bcp-mac-support
</bcp-mac-support>
<bcp-tagged-frame>
  bcp-tagged-frame
</bcp-tagged-frame>
<lcp-address-compression-field-compression>
  lcp-address-compression-field-compression
</lcp-address-compression-field-compression>
<lcp-async-map>
  lcp-async-map
</lcp-async-map>
<lcp-authentication-protocol>....</lcp-authentication-protocol>
<lcp-endpoint-discriminator>....</lcp-endpoint-discriminator>
<lcp-magic-number>
  lcp-magic-number
</lcp-magic-number>
<lcp-mrru>
  lcp-mrru
</lcp-mrru>
<lcp-mru>
  lcp-mru
</lcp-mru>
<lcp-multilink-header>....</lcp-multilink-header>
<lcp-protocol-field-compression>
  lcp-protocol-field-compression
</lcp-protocol-field-compression>
<lcp-short-sequence>
  lcp-short-sequence
</lcp-short-sequence>
</ppp-negotiated-options>
</ppp-session-protocol-information>
</ppp-session>
</ppp-interface-information>

```

**Description** PPP options negotiated with the remote peer

## <ppp-negotiated-options>

### Usage

```

<ppp-summary-information>
<ppp-session>
  <ppp-session-protocol-information>
    <ppp-negotiated-options>
      <ipcp-address>....</ipcp-address>
      <ipcp-compression-protocol>
        ipcp-compression-protocol
      </ipcp-compression-protocol>
      <ipcp-primary-dns>
        ipcp-primary-dns
      </ipcp-primary-dns>
      <ipcp-primary-wins>
        ipcp-primary-wins

```

```
</ipcp-primary-wins>
<ipcp-secondary-dns>
  ipcp-secondary-dns
</ipcp-secondary-dns>
<ipcp-secondary-wins>
  ipcp-secondary-wins
</ipcp-secondary-wins>
<ipv6cp-interface-identifier>....</ipv6cp-interface-identifier>
<bcp-mac-support>
  bcp-mac-support
</bcp-mac-support>
<bcp-tagged-frame>
  bcp-tagged-frame
</bcp-tagged-frame>
<lcp-address-compression-field-compression>
  lcp-address-compression-field-compression
</lcp-address-compression-field-compression>
<lcp-async-map>
  lcp-async-map
</lcp-async-map>
<lcp-authentication-protocol>....</lcp-authentication-protocol>
<lcp-endpoint-discriminator>....</lcp-endpoint-discriminator>
<lcp-magic-number>
  lcp-magic-number
</lcp-magic-number>
<lcp-mrru>
  lcp-mrru
</lcp-mrru>
<lcp-mru>
  lcp-mru
</lcp-mru>
<lcp-multilink-header>....</lcp-multilink-header>
<lcp-protocol-field-compression>
  lcp-protocol-field-compression
</lcp-protocol-field-compression>
<lcp-short-sequence>
  lcp-short-sequence
</lcp-short-sequence>
</ppp-negotiated-options>
</ppp-session-protocol-information>
</ppp-session>
</ppp-summary-information>
```

**Description** PPP options negotiated with the remote peer

### <ppp-negotiated-options>

#### Usage

```
<ppp-subscriber-summary-information>
<ppp-session>
  <ppp-session-protocol-information>
    <ppp-negotiated-options>
      <ipcp-address>....</ipcp-address>
      <ipcp-compression-protocol>
```

```

    ipcp-compression-protocol
  </ipcp-compression-protocol>
  <ipcp-primary-dns>
    ipcp-primary-dns
  </ipcp-primary-dns>
  <ipcp-primary-wins>
    ipcp-primary-wins
  </ipcp-primary-wins>
  <ipcp-secondary-dns>
    ipcp-secondary-dns
  </ipcp-secondary-dns>
  <ipcp-secondary-wins>
    ipcp-secondary-wins
  </ipcp-secondary-wins>
  <ipv6cp-interface-identifier>....</ipv6cp-interface-identifier>
  <bcp-mac-support>
    bcp-mac-support
  </bcp-mac-support>
  <bcp-tagged-frame>
    bcp-tagged-frame
  </bcp-tagged-frame>
  <lcp-address-compression-field-compression>
    lcp-address-compression-field-compression
  </lcp-address-compression-field-compression>
  <lcp-async-map>
    lcp-async-map
  </lcp-async-map>
  <lcp-authentication-protocol>....</lcp-authentication-protocol>
  <lcp-endpoint-discriminator>....</lcp-endpoint-discriminator>
  <lcp-magic-number>
    lcp-magic-number
  </lcp-magic-number>
  <lcp-mrru>
    lcp-mrru
  </lcp-mrru>
  <lcp-mru>
    lcp-mru
  </lcp-mru>
  <lcp-multilink-header>....</lcp-multilink-header>
  <lcp-protocol-field-compression>
    lcp-protocol-field-compression
  </lcp-protocol-field-compression>
  <lcp-short-sequence>
    lcp-short-sequence
  </lcp-short-sequence>
</ppp-negotiated-options>
</ppp-session-protocol-information>
</ppp-session>
</ppp-subscriber-summary-information>

```

**Description** PPP options negotiated with the remote peer

## <ppp-negotiated-options>

### Usage

```
<ppp-subscriber-summary-noheader-information>
<ppp-session>
  <ppp-session-protocol-information>
    <ppp-negotiated-options>
      <ipcp-address>....</ipcp-address>
      <ipcp-compression-protocol>
        ipcp-compression-protocol
      </ipcp-compression-protocol>
      <ipcp-primary-dns>
        ipcp-primary-dns
      </ipcp-primary-dns>
      <ipcp-primary-wins>
        ipcp-primary-wins
      </ipcp-primary-wins>
      <ipcp-secondary-dns>
        ipcp-secondary-dns
      </ipcp-secondary-dns>
      <ipcp-secondary-wins>
        ipcp-secondary-wins
      </ipcp-secondary-wins>
      <ipv6cp-interface-identifier>....</ipv6cp-interface-identifier>
      <bcp-mac-support>
        bcp-mac-support
      </bcp-mac-support>
      <bcp-tagged-frame>
        bcp-tagged-frame
      </bcp-tagged-frame>
      <lcp-address-compression-field-compression>
        lcp-address-compression-field-compression
      </lcp-address-compression-field-compression>
      <lcp-async-map>
        lcp-async-map
      </lcp-async-map>
      <lcp-authentication-protocol>....</lcp-authentication-protocol>
      <lcp-endpoint-discriminator>....</lcp-endpoint-discriminator>
      <lcp-magic-number>
        lcp-magic-number
      </lcp-magic-number>
      <lcp-mrru>
        lcp-mrru
      </lcp-mrru>
      <lcp-mru>
        lcp-mru
      </lcp-mru>
      <lcp-multilink-header>....</lcp-multilink-header>
      <lcp-protocol-field-compression>
        lcp-protocol-field-compression
      </lcp-protocol-field-compression>
      <lcp-short-sequence>
        lcp-short-sequence
      </lcp-short-sequence>
    </ppp-negotiated-options>
```

```

    </ppp-session-protocol-information>
  </ppp-session>
</ppp-subscriber-summary-noheader-information>

```

**Description** PPP options negotiated with the remote peer

## <ppp-session>

### Usage

```

<ppp-session>
  <session-name>
    session-name
  </session-name>
  <session-type>
    session-type
  </session-type>
  <session-phase>
    session-phase
  </session-phase>
  <session-flags>.....</session-flags>
  <ppp-last-started>
    ppp-last-started
  </ppp-last-started>
  <ppp-last-completed>
    ppp-last-completed
  </ppp-last-completed>
  <ppp-auth-protocol-information>.....</ppp-auth-protocol-information>
  <ppp-session-protocol-information>.....</ppp-session-protocol-information>
</ppp-session>

```

**Description** PPP session

## <ppp-session>

### Usage

```

<ppp-interface-information>
  <ppp-session>
    <session-name>
      session-name
    </session-name>
    <session-type>
      session-type
    </session-type>
    <session-phase>
      session-phase
    </session-phase>
    <session-flags>.....</session-flags>
    <ppp-last-started>
      ppp-last-started
    </ppp-last-started>
    <ppp-last-completed>
      ppp-last-completed
  </ppp-session>

```

```
</ppp-last-completed>
<ppp-auth-protocol-information>....</ppp-auth-protocol-information>
<ppp-session-protocol-information>....</ppp-session-protocol-information>
</ppp-session>
</ppp-interface-information>
```

**Description** PPP session

### <ppp-session>

#### Usage

```
<ppp-summary-information>
<ppp-session>
  <session-name>
    session-name
  </session-name>
  <session-type>
    session-type
  </session-type>
  <session-phase>
    session-phase
  </session-phase>
  <session-flags>....</session-flags>
  <ppp-last-started>
    ppp-last-started
  </ppp-last-started>
  <ppp-last-completed>
    ppp-last-completed
  </ppp-last-completed>
  <ppp-auth-protocol-information>....</ppp-auth-protocol-information>
  <ppp-session-protocol-information>....</ppp-session-protocol-information>
</ppp-session>
</ppp-summary-information>
```

**Description** PPP session

### <ppp-session>

#### Usage

```
<ppp-subscriber-summary-information>
<ppp-session>
  <session-name>
    session-name
  </session-name>
  <session-type>
    session-type
  </session-type>
  <session-phase>
    session-phase
  </session-phase>
  <session-flags>....</session-flags>
  <ppp-last-started>
```

```

    ppp-last-started
  </ppp-last-started>
  <ppp-last-completed>
    ppp-last-completed
  </ppp-last-completed>
  <ppp-auth-protocol-information>....</ppp-auth-protocol-information>
  <ppp-session-protocol-information>....</ppp-session-protocol-information>
</ppp-session>
</ppp-subscriber-summary-information>

```

**Description** PPP session

### <ppp-session>

#### Usage

```

<ppp-subscriber-summary-noheader-information>
  <ppp-session>
    <session-name>
      session-name
    </session-name>
    <session-type>
      session-type
    </session-type>
    <session-phase>
      session-phase
    </session-phase>
    <session-flags>....</session-flags>
    <ppp-last-started>
      ppp-last-started
    </ppp-last-started>
    <ppp-last-completed>
      ppp-last-completed
    </ppp-last-completed>
    <ppp-auth-protocol-information>....</ppp-auth-protocol-information>
    <ppp-session-protocol-information>....</ppp-session-protocol-information>
  </ppp-session>
</ppp-subscriber-summary-noheader-information>

```

**Description** PPP session

### <ppp-session-protocol-information>

#### Usage

```

<ppp-session>
  <ppp-session-protocol-information>
    <ppp-state>
      ppp-state
    </ppp-state>
    <ppp-last-started>
      ppp-last-started
    </ppp-last-started>
    <ppp-last-completed>

```

```
    ppp-last-completed
  </ppp-last-completed>
  <ppp-protocol>
    ppp-protocol
  </ppp-protocol>
  <ppp-destination-profile>....</ppp-destination-profile>
  <ppp-negotiated-options>....</ppp-negotiated-options>
</ppp-session-protocol-information>
</ppp-session>
```

**Description** LCP/NCP protocol information for PPP session

### <ppp-session-protocol-information>

#### Usage

```
<ppp-interface-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-state>
        ppp-state
      </ppp-state>
      <ppp-last-started>
        ppp-last-started
      </ppp-last-started>
      <ppp-last-completed>
        ppp-last-completed
      </ppp-last-completed>
      <ppp-protocol>
        ppp-protocol
      </ppp-protocol>
      <ppp-destination-profile>....</ppp-destination-profile>
      <ppp-negotiated-options>....</ppp-negotiated-options>
    </ppp-session-protocol-information>
  </ppp-session>
</ppp-interface-information>
```

**Description** LCP/NCP protocol information for PPP session

### <ppp-session-protocol-information>

#### Usage

```
<ppp-summary-information>
  <ppp-session>
    <ppp-session-protocol-information>
      <ppp-state>
        ppp-state
      </ppp-state>
      <ppp-last-started>
        ppp-last-started
      </ppp-last-started>
      <ppp-last-completed>
        ppp-last-completed
```



```

    </ppp-last-completed>
    <ppp-protocol>
      ppp-protocol
    </ppp-protocol>
    <ppp-destination-profile>....</ppp-destination-profile>
    <ppp-negotiated-options>....</ppp-negotiated-options>
  </ppp-session-protocol-information>
</ppp-session>
</ppp-summary-information>

```

**Description** LCP/NCP protocol information for PPP session

### <ppp-session-protocol-information>

#### Usage

```

<ppp-subscriber-summary-information>
<ppp-session>
  <ppp-session-protocol-information>
    <ppp-state>
      ppp-state
    </ppp-state>
    <ppp-last-started>
      ppp-last-started
    </ppp-last-started>
    <ppp-last-completed>
      ppp-last-completed
    </ppp-last-completed>
    <ppp-protocol>
      ppp-protocol
    </ppp-protocol>
    <ppp-destination-profile>....</ppp-destination-profile>
    <ppp-negotiated-options>....</ppp-negotiated-options>
  </ppp-session-protocol-information>
</ppp-session>
</ppp-subscriber-summary-information>

```

**Description** LCP/NCP protocol information for PPP session

### <ppp-session-protocol-information>

#### Usage

```

<ppp-subscriber-summary-noheader-information>
<ppp-session>
  <ppp-session-protocol-information>
    <ppp-state>
      ppp-state
    </ppp-state>
    <ppp-last-started>
      ppp-last-started
    </ppp-last-started>
    <ppp-last-completed>
      ppp-last-completed

```

```
</ppp-last-completed>
<ppp-protocol>
  ppp-protocol
</ppp-protocol>
<ppp-destination-profile>....</ppp-destination-profile>
<ppp-negotiated-options>....</ppp-negotiated-options>
</ppp-session-protocol-information>
</ppp-session>
</ppp-subscriber-summary-noheader-information>
```

**Description** LCP/NCP protocol information for PPP session

### <ppp-session-statistics>

#### Usage

```
<ppp-statistics-information>
<ppp-session-statistics>
  <sessions-total>
    sessions-total
  </sessions-total>
  <sessions-ppp>
    sessions-ppp
  </sessions-ppp>
  <sessions-ciscohdlc>
    sessions-ciscohdlc
  </sessions-ciscohdlc>
  <sessions-disabled>
    sessions-disabled
  </sessions-disabled>
  <sessions-establish>
    sessions-establish
  </sessions-establish>
  <sessions-authenticate>
    sessions-authenticate
  </sessions-authenticate>
  <sessions-network>
    sessions-network
  </sessions-network>
  <bundles-pending>
    bundles-pending
  </bundles-pending>
</ppp-session-statistics>
</ppp-statistics-information>
```

**Description** PPP session statistics

### <ppp-statistics-information>

#### Usage

```
<ppp-statistics-information>
<ppp-session-statistics>....</ppp-session-statistics>
<ppp-memory-statistics>....</ppp-memory-statistics>
```

```
<ppp-subscriber-statistics>....</ppp-subscriber-statistics>
</ppp-statistics-information>
```

**Description** PPP statistics

### <ppp-subscriber-memory-pool>

#### Usage

```
<ppp-statistics-information>
<ppp-subscriber-statistics>
<ppp-subscriber-memory-statistics>
<ppp-subscriber-memory-pool>
  <ppp-subscriber-memory-pool-name>
    ppp-subscriber-memory-pool-name
  </ppp-subscriber-memory-pool-name>
  <ppp-subscriber-memory-pool-entry-size>
    ppp-subscriber-memory-pool-entry-size
  </ppp-subscriber-memory-pool-entry-size>
  <ppp-subscriber-memory-pool-entries>
    ppp-subscriber-memory-pool-entries
  </ppp-subscriber-memory-pool-entries>
  <ppp-subscriber-memory-pool-free>
    ppp-subscriber-memory-pool-free
  </ppp-subscriber-memory-pool-free>
  <ppp-subscriber-memory-pool-maximum-free>
    ppp-subscriber-memory-pool-maximum-free
  </ppp-subscriber-memory-pool-maximum-free>
  <ppp-subscriber-memory-pool-requests>
    ppp-subscriber-memory-pool-requests
  </ppp-subscriber-memory-pool-requests>
  <ppp-subscriber-memory-pool-failures>
    ppp-subscriber-memory-pool-failures
  </ppp-subscriber-memory-pool-failures>
  <ppp-subscriber-memory-pool-total>
    ppp-subscriber-memory-pool-total
  </ppp-subscriber-memory-pool-total>
</ppp-subscriber-memory-pool>
</ppp-subscriber-memory-statistics>
</ppp-subscriber-statistics>
</ppp-statistics-information>
```

**Description** Tag associated with memory blocks

### <ppp-subscriber-memory-statistics>

#### Usage

```
<ppp-statistics-information>
<ppp-subscriber-statistics>
<ppp-subscriber-memory-statistics>
  <ppp-subscriber-memory-pool>....</ppp-subscriber-memory-pool>
</ppp-subscriber-memory-statistics>
</ppp-subscriber-statistics>
```

```
</ppp-statistics-information>
```

**Description** PPP universal edge process memory statistics

### **<ppp-subscriber-session-statistics>**

#### **Usage**

```
<ppp-statistics-information>
  <ppp-subscriber-statistics>
    <ppp-subscriber-session-statistics>
      <subscriber-sessions-total>
        subscriber-sessions-total
      </subscriber-sessions-total>
      <subscriber-sessions-disabled>
        subscriber-sessions-disabled
      </subscriber-sessions-disabled>
      <subscriber-sessions-establish>
        subscriber-sessions-establish
      </subscriber-sessions-establish>
      <subscriber-sessions-authenticate>
        subscriber-sessions-authenticate
      </subscriber-sessions-authenticate>
      <subscriber-sessions-network>
        subscriber-sessions-network
      </subscriber-sessions-network>
    </ppp-subscriber-session-statistics>
  </ppp-subscriber-statistics>
</ppp-statistics-information>
```

**Description** PPP subscriber session statistics

### **<ppp-subscriber-statistics>**

#### **Usage**

```
<ppp-statistics-information>
  <ppp-subscriber-statistics>
    <ppp-subscriber-session-statistics>....</ppp-subscriber-session-statistics>
    <ppp-subscriber-memory-statistics>....</ppp-subscriber-memory-statistics>
  </ppp-subscriber-statistics>
</ppp-statistics-information>
```

**Description** PPP subscriber statistics

### **<ppp-subscriber-summary-information>**

#### **Usage**

```
<ppp-subscriber-summary-information>
  <ppp-session>....</ppp-session>
</ppp-subscriber-summary-information>
```

**Description** PPP summary information

### <ppp-subscriber-summary-noheader-information>

**Usage**

```
<ppp-subscriber-summary-noheader-information>  
<ppp-session>....</ppp-session>  
</ppp-subscriber-summary-noheader-information>
```

**Description** PPP summary information

### <ppp-summary-information>

**Usage**

```
<ppp-summary-information>  
<ppp-session>....</ppp-session>  
</ppp-summary-information>
```

**Description** PPP summary information

### <session-flags>

**Usage**

```
<session-flags>  
  <session-bundled>  
    session-bundled  
  </session-bundled>  
  <session-ncp-only>  
    session-ncp-only  
  </session-ncp-only>  
  <session-always-up>  
    session-always-up  
  </session-always-up>  
  <session-tcc>  
    session-tcc  
  </session-tcc>  
  <session-looped>  
    session-looped  
  </session-looped>  
  <session-monitored>  
    session-monitored  
  </session-monitored>  
</session-flags>
```

**Description** PPP session flags

### <session-flags>

**Usage**

```
<ppp-session>
```

```
<session-flags>
  <session-bundled>
    session-bundled
  </session-bundled>
  <session-ncp-only>
    session-ncp-only
  </session-ncp-only>
  <session-always-up>
    session-always-up
  </session-always-up>
  <session-tcc>
    session-tcc
  </session-tcc>
  <session-looped>
    session-looped
  </session-looped>
  <session-monitored>
    session-monitored
  </session-monitored>
</session-flags>
</ppp-session>
```

**Description** PPP session flags

### <session-flags>

#### Usage

```
<ppp-interface-information>
  <ppp-session>
    <session-flags>
      <session-bundled>
        session-bundled
      </session-bundled>
      <session-ncp-only>
        session-ncp-only
      </session-ncp-only>
      <session-always-up>
        session-always-up
      </session-always-up>
      <session-tcc>
        session-tcc
      </session-tcc>
      <session-looped>
        session-looped
      </session-looped>
      <session-monitored>
        session-monitored
      </session-monitored>
    </session-flags>
  </ppp-session>
</ppp-interface-information>
```

**Description** PPP session flags

**<session-flags>****Usage**

```

<ppp-summary-information>
<ppp-session>
  <session-flags>
    <session-bundled>
      session-bundled
    </session-bundled>
    <session-ncp-only>
      session-ncp-only
    </session-ncp-only>
    <session-always-up>
      session-always-up
    </session-always-up>
    <session-tcc>
      session-tcc
    </session-tcc>
    <session-looped>
      session-looped
    </session-looped>
    <session-monitored>
      session-monitored
    </session-monitored>
  </session-flags>
</ppp-session>
</ppp-summary-information>

```

**Description** PPP session flags

**<session-flags>****Usage**

```

<ppp-subscriber-summary-information>
<ppp-session>
  <session-flags>
    <session-bundled>
      session-bundled
    </session-bundled>
    <session-ncp-only>
      session-ncp-only
    </session-ncp-only>
    <session-always-up>
      session-always-up
    </session-always-up>
    <session-tcc>
      session-tcc
    </session-tcc>
    <session-looped>
      session-looped
    </session-looped>
    <session-monitored>
      session-monitored

```

```
        </session-monitored>
      </session-flags>
    </ppp-session>
  </ppp-subscriber-summary-information>
```

**Description** PPP session flags

### <session-flags>

#### Usage

```
<ppp-subscriber-summary-noheader-information>
  <ppp-session>
    <session-flags>
      <session-bundled>
        session-bundled
      </session-bundled>
      <session-ncp-only>
        session-ncp-only
      </session-ncp-only>
      <session-always-up>
        session-always-up
      </session-always-up>
      <session-tcc>
        session-tcc
      </session-tcc>
      <session-looped>
        session-looped
      </session-looped>
      <session-monitored>
        session-monitored
      </session-monitored>
    </session-flags>
  </ppp-session>
</ppp-subscriber-summary-noheader-information>
```

**Description** PPP session flags

---

## Summary of PPP over Ethernet Response Tags

### <padq>

#### Usage

```
<pppoe-padq-received>
  <padq>
    <current-bandwidth>
      current-bandwidth
    </current-bandwidth>
    <max-bandwidth>
      max-bandwidth
    </max-bandwidth>
    <quality>
      quality
    </quality>
  </padq>
</pppoe-padq-received>
```



```

    </quality>
    <resources>
      resources
    </resources>
    <latency>
      latency
    </latency>
  </padq>
</pppoe-padq-received>

```

#### Description

### <pppoe-aci-ari-entry>

#### Usage

```

<pppoe-aci-ari-entry>
  <agent-circuit-id>
    agent-circuit-id
  </agent-circuit-id>
  <agent-remote-id>
    agent-remote-id
  </agent-remote-id>
  <service-action>
    service-action
  </service-action>
  <dynamic-profile>
    dynamic-profile
  </dynamic-profile>
  <routing-instance>
    routing-instance
  </routing-instance>
  <static-interface>
    static-interface
  </static-interface>
</pppoe-aci-ari-entry>

```

#### Description

### <pppoe-aci-ari-entry>

#### Usage

```

<pppoe-service-name>
<pppoe-aci-ari-entry>
  <agent-circuit-id>
    agent-circuit-id
  </agent-circuit-id>
  <agent-remote-id>
    agent-remote-id
  </agent-remote-id>
  <service-action>
    service-action
  </service-action>
  <dynamic-profile>
    dynamic-profile

```

```
</dynamic-profile>
<routing-instance>
  routing-instance
</routing-instance>
<static-interface>
  static-interface
</static-interface>
</pppoe-aci-ari-entry>
</pppoe-service-name>
```

#### Description

### <pppoe-aci-ari-entry>

#### Usage

```
<pppoe-service-name-table-information>
<pppoe-service-name>
  <pppoe-aci-ari-entry>
    <agent-circuit-id>
      agent-circuit-id
    </agent-circuit-id>
    <agent-remote-id>
      agent-remote-id
    </agent-remote-id>
    <service-action>
      service-action
    </service-action>
    <dynamic-profile>
      dynamic-profile
    </dynamic-profile>
    <routing-instance>
      routing-instance
    </routing-instance>
    <static-interface>
      static-interface
    </static-interface>
  </pppoe-aci-ari-entry>
</pppoe-service-name>
</pppoe-service-name-table-information>
```

#### Description

### <pppoe-counters>

#### Usage

```
<pppoe-counters>
  <padi-sent>
    padi-sent
  </padi-sent>
  <padi-received>
    padi-received
  </padi-received>
  <pado-sent>
    pado-sent
```

```
</pado-sent>
<pado-received>
  pado-received
</pado-received>
<padr-sent>
  padr-sent
</padr-sent>
<padr-received>
  padr-received
</padr-received>
<pads-sent>
  pads-sent
</pads-sent>
<pads-received>
  pads-received
</pads-received>
<padt-sent>
  padt-sent
</padt-sent>
<padt-received>
  padt-received
</padt-received>
<padm-sent>
  padm-sent
</padm-sent>
<padm-received>
  padm-received
</padm-received>
<padn-sent>
  padn-sent
</padn-sent>
<padn-received>
  padn-received
</padn-received>
<padg-sent>
  padg-sent
</padg-sent>
<padg-received>
  padg-received
</padg-received>
<padc-sent>
  padc-sent
</padc-sent>
<padc-received>
  padc-received
</padc-received>
<padq-sent>
  padq-sent
</padq-sent>
<padq-received>
  padq-received
</padq-received>
<servname-err-sent>
  servname-err-sent
</servname-err-sent>
<servname-err-received>
```

```
    servname-err-received
  </servname-err-received>
  <acssystem-err-sent>
    acssystem-err-sent
  </acssystem-err-sent>
  <acssystem-err-received>
    acssystem-err-received
  </acssystem-err-received>
  <generic-err-sent>
    generic-err-sent
  </generic-err-sent>
  <generic-err-received>
    generic-err-received
  </generic-err-received>
  <malformed-pkt-received>
    malformed-pkt-received
  </malformed-pkt-received>
  <unknown-pkt-received>
    unknown-pkt-received
  </unknown-pkt-received>
  <padi-tmo>
    padi-tmo
  </padi-tmo>
  <pado-tmo>
    pado-tmo
  </pado-tmo>
  <padr-tmo>
    padr-tmo
  </padr-tmo>
</pppoe-counters>
```

#### Description

<pppoe-counters>

#### Usage

```
<pppoe-statistics>
<pppoe-counters>
  <padi-sent>
    padi-sent
  </padi-sent>
  <padi-received>
    padi-received
  </padi-received>
  <pado-sent>
    pado-sent
  </pado-sent>
  <pado-received>
    pado-received
  </pado-received>
  <padr-sent>
    padr-sent
  </padr-sent>
  <padr-received>
    padr-received
```

```
</padr-received>
<pads-sent>
  pads-sent
</pads-sent>
<pads-received>
  pads-received
</pads-received>
<padt-sent>
  padt-sent
</padt-sent>
<padt-received>
  padt-received
</padt-received>
<padm-sent>
  padm-sent
</padm-sent>
<padm-received>
  padm-received
</padm-received>
<padn-sent>
  padn-sent
</padn-sent>
<padn-received>
  padn-received
</padn-received>
<padg-sent>
  padg-sent
</padg-sent>
<padg-received>
  padg-received
</padg-received>
<padc-sent>
  padc-sent
</padc-sent>
<padc-received>
  padc-received
</padc-received>
<padq-sent>
  padq-sent
</padq-sent>
<padq-received>
  padq-received
</padq-received>
<servname-err-sent>
  servname-err-sent
</servname-err-sent>
<servname-err-received>
  servname-err-received
</servname-err-received>
<acsystem-err-sent>
  acsystem-err-sent
</acsystem-err-sent>
<acsystem-err-received>
  acsystem-err-received
</acsystem-err-received>
<generic-err-sent>
```

```
    generic-err-sent
  </generic-err-sent>
  <generic-err-received>
    generic-err-received
  </generic-err-received>
  <malformed-pkt-received>
    malformed-pkt-received
  </malformed-pkt-received>
  <unknown-pkt-received>
    unknown-pkt-received
  </unknown-pkt-received>
  <padi-tmo>
    padi-tmo
  </padi-tmo>
  <pado-tmo>
    pado-tmo
  </pado-tmo>
  <padr-tmo>
    padr-tmo
  </padr-tmo>
</pppoe-counters>
</pppoe-statistics>
```

## Description

### <pppoe-counters>

#### Usage

```
<pppoe-statistics-information>
  <pppoe-statistics>
    <pppoe-counters>
      <padi-sent>
        padi-sent
      </padi-sent>
      <padi-received>
        padi-received
      </padi-received>
      <pado-sent>
        pado-sent
      </pado-sent>
      <pado-received>
        pado-received
      </pado-received>
      <padr-sent>
        padr-sent
      </padr-sent>
      <padr-received>
        padr-received
      </padr-received>
      <pads-sent>
        pads-sent
      </pads-sent>
      <pads-received>
        pads-received
      </pads-received>
```

```
<padt-sent>
  padt-sent
</padt-sent>
<padt-received>
  padt-received
</padt-received>
<padm-sent>
  padm-sent
</padm-sent>
<padm-received>
  padm-received
</padm-received>
<padn-sent>
  padn-sent
</padn-sent>
<padn-received>
  padn-received
</padn-received>
<padg-sent>
  padg-sent
</padg-sent>
<padg-received>
  padg-received
</padg-received>
<padc-sent>
  padc-sent
</padc-sent>
<padc-received>
  padc-received
</padc-received>
<padq-sent>
  padq-sent
</padq-sent>
<padq-received>
  padq-received
</padq-received>
<servname-err-sent>
  servname-err-sent
</servname-err-sent>
<servname-err-received>
  servname-err-received
</servname-err-received>
<acsystem-err-sent>
  acsystem-err-sent
</acsystem-err-sent>
<acsystem-err-received>
  acsystem-err-received
</acsystem-err-received>
<generic-err-sent>
  generic-err-sent
</generic-err-sent>
<generic-err-received>
  generic-err-received
</generic-err-received>
<malformed-pkt-received>
  malformed-pkt-received
```

```
</malformed-pkt-received>
<unknown-pkt-received>
  unknown-pkt-received
</unknown-pkt-received>
<padi-tmo>
  padi-tmo
</padi-tmo>
<pado-tmo>
  pado-tmo
</pado-tmo>
<padr-tmo>
  padr-tmo
</padr-tmo>
</pppoe-counters>
</pppoe-statistics>
</pppoe-statistics-information>
```

## Description

### <pppoe-interface>

#### Usage

```
<pppoe-interface>
  <interface-name>
    interface-name
  </interface-name>
  <interface-index>
    interface-index
  </interface-index>
  <underlying-interface-name>
    underlying-interface-name
  </underlying-interface-name>
  <underlying-interface-index>
    underlying-interface-index
  </underlying-interface-index>
  <state>
    state
  </state>
  <ifl-type>
    ifl-type
  </ifl-type>
  <session-id>
    session-id
  </session-id>
  <ac-name-config>
    ac-name-config
  </ac-name-config>
  <ac-name-session>
    ac-name-session
  </ac-name-session>
  <service-name>
    service-name
  </service-name>
  <remote-mac>
    remote-mac
```



```

</remote-mac>
<auto-reconnect>
  auto-reconnect
</auto-reconnect>
<idle-timeout>
  idle-timeout
</idle-timeout>
<session-uptime>
  session-uptime
</session-uptime>
<dynamic-profile>
  dynamic-profile
</dynamic-profile>
<pppoe-credits>
  pppoe-credits
</pppoe-credits>
<pppoe-credit-scale-factor>
  pppoe-credit-scale-factor
</pppoe-credit-scale-factor>
<dynamic-interface-bandwidth>
  dynamic-interface-bandwidth
</dynamic-interface-bandwidth>
<agent-circuit-id>
  agent-circuit-id
</agent-circuit-id>
<agent-remote-id>
  agent-remote-id
</agent-remote-id>
<padm-motm>
  padm-motm
</padm-motm>
<padm-hurl>
  padm-hurl
</padm-hurl>
<padg-credits>
  padg-credits
</padg-credits>
</pppoe-interface>

```

## Description

### <pppoe-interface>

#### Usage

```

<pppoe-interface-information>
  <pppoe-interface>
    <interface-name>
      interface-name
    </interface-name>
    <interface-index>
      interface-index
    </interface-index>
    <underlying-interface-name>
      underlying-interface-name
    </underlying-interface-name>
  </pppoe-interface>
</pppoe-interface-information>

```

```
<underlying-interface-index>
  underlying-interface-index
</underlying-interface-index>
<state>
  state
</state>
<ifl-type>
  ifl-type
</ifl-type>
<session-id>
  session-id
</session-id>
<ac-name-config>
  ac-name-config
</ac-name-config>
<ac-name-session>
  ac-name-session
</ac-name-session>
<service-name>
  service-name
</service-name>
<remote-mac>
  remote-mac
</remote-mac>
<auto-reconnect>
  auto-reconnect
</auto-reconnect>
<idle-timeout>
  idle-timeout
</idle-timeout>
<session-uptime>
  session-uptime
</session-uptime>
<dynamic-profile>
  dynamic-profile
</dynamic-profile>
<pppoe-credits>
  pppoe-credits
</pppoe-credits>
<pppoe-credit-scale-factor>
  pppoe-credit-scale-factor
</pppoe-credit-scale-factor>
<dynamic-interface-bandwidth>
  dynamic-interface-bandwidth
</dynamic-interface-bandwidth>
<agent-circuit-id>
  agent-circuit-id
</agent-circuit-id>
<agent-remote-id>
  agent-remote-id
</agent-remote-id>
<padm-motm>
  padm-motm
</padm-motm>
<padm-hurl>
  padm-hurl
```

```

    </padm-hurl>
    <padg-credits>
      padg-credits
    </padg-credits>
  </pppoe-interface>
</pppoe-interface-information>

```

#### Description

### <pppoe-interface-information>

#### Usage

```

<pppoe-interface-information>
  <pppoe-interface>....</pppoe-interface>
</pppoe-interface-information>

```

#### Description

### <pppoe-oper-states>

#### Usage

```

<pppoe-oper-states>
  <state>
    state
  </state>
  <dynamic-profile>
    dynamic-profile
  </dynamic-profile>
  <max-sessions>
    max-sessions
  </max-sessions>
  <max-sessions-vsa-ignore>
    max-sessions-vsa-ignore
  </max-sessions-vsa-ignore>
  <active-sessions>
    active-sessions
  </active-sessions>
  <ac-name>
    ac-name
  </ac-name>
  <duplicate-protection>
    duplicate-protection
  </duplicate-protection>
  <service-name-table>
    service-name-table
  </service-name-table>
</pppoe-oper-states>

```

#### Description

## &lt;pppoe-padq-received&gt;

## Usage

```
<pppoe-padq-received>
  <padq>.....</padq>
</pppoe-padq-received>
```

## Description

## &lt;pppoe-service-name&gt;

## Usage

```
<pppoe-service-name>
  <service-name>
    service-name
  </service-name>
  <service-action>
    service-action
  </service-action>
  <dynamic-profile>
    dynamic-profile
  </dynamic-profile>
  <routing-instance>
    routing-instance
  </routing-instance>
  <max-sessions>
    max-sessions
  </max-sessions>
  <active-sessions>
    active-sessions
  </active-sessions>
  <pppoe-aci-ari-entry>.....</pppoe-aci-ari-entry>
</pppoe-service-name>
```

## Description

## &lt;pppoe-service-name&gt;

## Usage

```
<pppoe-service-name-table-information>
  <pppoe-service-name>
    <service-name>
      service-name
    </service-name>
    <service-action>
      service-action
    </service-action>
    <dynamic-profile>
      dynamic-profile
    </dynamic-profile>
    <routing-instance>
      routing-instance
    </routing-instance>
```

```

    <max-sessions>
      max-sessions
    </max-sessions>
    <active-sessions>
      active-sessions
    </active-sessions>
    <pppoe-aci-ari-entry>....</pppoe-aci-ari-entry>
  </pppoe-service-name>
</pppoe-service-name-table-information>

```

#### Description

### <pppoe-service-name-table-information>

#### Usage

```

<pppoe-service-name-table-information>
  <service-name-table>
    service-name-table
  </service-name-table>
  <pppoe-service-name>....</pppoe-service-name>
</pppoe-service-name-table-information>

```

#### Description

### <pppoe-statistics>

#### Usage

```

<pppoe-statistics>
  <active-sessions>
    active-sessions
  </active-sessions>
  <pppoe-counters>....</pppoe-counters>
</pppoe-statistics>

```

#### Description

### <pppoe-statistics>

#### Usage

```

<pppoe-statistics-information>
  <pppoe-statistics>
    <active-sessions>
      active-sessions
    </active-sessions>
    <pppoe-counters>....</pppoe-counters>
  </pppoe-statistics>
</pppoe-statistics-information>

```

#### Description

## <pppoe-statistics-information>

### Usage

```
<pppoe-statistics-information>
  <pppoe-statistics>....</pppoe-statistics>
</pppoe-statistics-information>
```

### Description

## <pppoe-underlying-interface>

### Usage

```
<pppoe-underlying-interface>
  <underlying-interface-name>
    underlying-interface-name
  </underlying-interface-name>
  <underlying-interface-index>
    underlying-interface-index
  </underlying-interface-index>
  <state>
    state
  </state>
  <dynamic-profile>
    dynamic-profile
  </dynamic-profile>
  <max-sessions>
    max-sessions
  </max-sessions>
  <max-sessions-vsa-ignore>
    max-sessions-vsa-ignore
  </max-sessions-vsa-ignore>
  <active-sessions>
    active-sessions
  </active-sessions>
  <ac-name>
    ac-name
  </ac-name>
  <service-name-table>
    service-name-table
  </service-name-table>
  <duplicate-protection>
    duplicate-protection
  </duplicate-protection>
</pppoe-underlying-interface>
```

### Description

## <pppoe-underlying-interface>

### Usage

```
<pppoe-underlying-interface-information>
  <pppoe-underlying-interface>
    <underlying-interface-name>
```

```

    underlying-interface-name
  </underlying-interface-name>
  <underlying-interface-index>
    underlying-interface-index
  </underlying-interface-index>
  <state>
    state
  </state>
  <dynamic-profile>
    dynamic-profile
  </dynamic-profile>
  <max-sessions>
    max-sessions
  </max-sessions>
  <max-sessions-vsa-ignore>
    max-sessions-vsa-ignore
  </max-sessions-vsa-ignore>
  <active-sessions>
    active-sessions
  </active-sessions>
  <ac-name>
    ac-name
  </ac-name>
  <service-name-table>
    service-name-table
  </service-name-table>
  <duplicate-protection>
    duplicate-protection
  </duplicate-protection>
</pppoe-underlying-interface>
</pppoe-underlying-interface-information>

```

#### Description

### <pppoe-underlying-interface-information>

#### Usage

```

<pppoe-underlying-interface-information>
  <pppoe-underlying-interface>....</pppoe-underlying-interface>
</pppoe-underlying-interface-information>

```

#### Description

### <pppoe-version>

#### Usage

```

<pppoe-version>
  <max-sessions>
    max-sessions
  </max-sessions>
  <padi-resend-tmo>
    padi-resend-tmo
  </padi-resend-tmo>
  <padr-resend-tmo>

```

```
    padr-resend-tmo
  </padr-resend-tmo>
  <max-resend-tmo>
    max-resend-tmo
  </max-resend-tmo>
  <max-ac-tmo>
    max-ac-tmo
  </max-ac-tmo>
</pppoe-version>
```

## Description

### Summary of Probe Tests Response Tags

---

#### <hop>

##### Usage

```
<hop>
  <ttl-value>
    ttl-value
  </ttl-value>
  <percent-loss>
    percent-loss
  </percent-loss>
  <icmp-extension>
    icmp-extension
  </icmp-extension>
  <last-host-name>
    last-host-name
  </last-host-name>
  <last-ip-address>
    last-ip-address
  </last-ip-address>
  <probe-result>....</probe-result>
</hop>
```

**Description** Traceroute results for a single hop (TTL value)

#### <hop>

##### Usage

```
<traceroute-results>
  <hop>
    <ttl-value>
      ttl-value
    </ttl-value>
    <percent-loss>
      percent-loss
    </percent-loss>
    <icmp-extension>
      icmp-extension
    </icmp-extension>
    <last-host-name>
```



```

        last-host-name
      </last-host-name>
      <last-ip-address>
        last-ip-address
      </last-ip-address>
      <probe-result>....</probe-result>
    </hop>
  </traceroute-results>

```

**Description** Traceroute results for a single hop (TTL value)

## <icmp-code>

### Usage

```

<icmp-code>
  <icmp-code-none>
    icmp-code-none
  </icmp-code-none>
  <icmp-unreach-net>
    icmp-unreach-net
  </icmp-unreach-net>
  <icmp-unreach-host>
    icmp-unreach-host
  </icmp-unreach-host>
  <icmp-unreach-protocol>
    icmp-unreach-protocol
  </icmp-unreach-protocol>
  <icmp-unreach-port>
    icmp-unreach-port
  </icmp-unreach-port>
  <icmp-unreach-needfrag>
    icmp-unreach-needfrag
  </icmp-unreach-needfrag>
  <icmp-unreach-srcfail>
    icmp-unreach-srcfail
  </icmp-unreach-srcfail>
  <icmp-unreach-net-unknown>
    icmp-unreach-net-unknown
  </icmp-unreach-net-unknown>
  <icmp-unreach-host-unknown>
    icmp-unreach-host-unknown
  </icmp-unreach-host-unknown>
  <icmp-unreach-isolated>
    icmp-unreach-isolated
  </icmp-unreach-isolated>
  <icmp-unreach-net-prohib>
    icmp-unreach-net-prohib
  </icmp-unreach-net-prohib>
  <icmp-unreach-host-prohib>
    icmp-unreach-host-prohib
  </icmp-unreach-host-prohib>
  <icmp-unreach-tosnet>
    icmp-unreach-tosnet
  </icmp-unreach-tosnet>

```

```
<icmp-unreach-toshost>
  icmp-unreach-toshost
</icmp-unreach-toshost>
<icmp-unreach-filter-prohib>
  icmp-unreach-filter-prohib
</icmp-unreach-filter-prohib>
<icmp-unreach-host-precedence>
  icmp-unreach-host-precedence
</icmp-unreach-host-precedence>
<icmp-unreach-precedence-cutoff>
  icmp-unreach-precedence-cutoff
</icmp-unreach-precedence-cutoff>
<icmp-redirect-net>
  icmp-redirect-net
</icmp-redirect-net>
<icmp-redirect-host>
  icmp-redirect-host
</icmp-redirect-host>
<icmp-redirect-tosnet>
  icmp-redirect-tosnet
</icmp-redirect-tosnet>
<icmp-redirect-toshost>
  icmp-redirect-toshost
</icmp-redirect-toshost>
<icmp-timxceed-intrans>
  icmp-timxceed-intrans
</icmp-timxceed-intrans>
<icmp-timxceed-reass>
  icmp-timxceed-reass
</icmp-timxceed-reass>
<icmp-paramprob-optabsent>
  icmp-paramprob-optabsent
</icmp-paramprob-optabsent>
<icmp6-unreach-noroute>
  icmp6-unreach-noroute
</icmp6-unreach-noroute>
<icmp6-unreach-admin>
  icmp6-unreach-admin
</icmp6-unreach-admin>
<icmp6-unreach-beyond-scope>
  icmp6-unreach-beyond-scope
</icmp6-unreach-beyond-scope>
<icmp6-unreach-address>
  icmp6-unreach-address
</icmp6-unreach-address>
<icmp6-unreach-port>
  icmp6-unreach-port
</icmp6-unreach-port>
<icmp6-time-exceed-transit>
  icmp6-time-exceed-transit
</icmp6-time-exceed-transit>
<icmp6-time-exceed-reassembly>
  icmp6-time-exceed-reassembly
</icmp6-time-exceed-reassembly>
<icmp6-parameter-problem-header>
  icmp6-parameter-problem-header
```

```

</icmp6-parameter-problem-header>
<icmp6-parameter-problem-nextheader>
  icmp6-parameter-problem-nextheader
</icmp6-parameter-problem-nextheader>
<icmp6-parameter-problem-option>
  icmp6-parameter-problem-option
</icmp6-parameter-problem-option>
<icmp6-ni-subject-ipv6>
  icmp6-ni-subject-ipv6
</icmp6-ni-subject-ipv6>
<icmp6-ni-subject-fqdn>
  icmp6-ni-subject-fqdn
</icmp6-ni-subject-fqdn>
<icmp6-ni-subject-ipv4>
  icmp6-ni-subject-ipv4
</icmp6-ni-subject-ipv4>
<icmp6-ni-success>
  icmp6-ni-success
</icmp6-ni-success>
<icmp6-ni-refused>
  icmp6-ni-refused
</icmp6-ni-refused>
<icmp6-ni-unknown>
  icmp6-ni-unknown
</icmp6-ni-unknown>
</icmp-code>

```

**Description** Type of ICMP message type sub code

### <icmp-code>

#### Usage

```

<probe-result>
<icmp-code>
  <icmp-code-none>
    icmp-code-none
  </icmp-code-none>
  <icmp-unreach-net>
    icmp-unreach-net
  </icmp-unreach-net>
  <icmp-unreach-host>
    icmp-unreach-host
  </icmp-unreach-host>
  <icmp-unreach-protocol>
    icmp-unreach-protocol
  </icmp-unreach-protocol>
  <icmp-unreach-port>
    icmp-unreach-port
  </icmp-unreach-port>
  <icmp-unreach-needfrag>
    icmp-unreach-needfrag
  </icmp-unreach-needfrag>
  <icmp-unreach-srcfail>
    icmp-unreach-srcfail

```

```
</icmp-unreach-srcfail>
<icmp-unreach-net-unknown>
  icmp-unreach-net-unknown
</icmp-unreach-net-unknown>
<icmp-unreach-host-unknown>
  icmp-unreach-host-unknown
</icmp-unreach-host-unknown>
<icmp-unreach-isolated>
  icmp-unreach-isolated
</icmp-unreach-isolated>
<icmp-unreach-net-prohib>
  icmp-unreach-net-prohib
</icmp-unreach-net-prohib>
<icmp-unreach-host-prohib>
  icmp-unreach-host-prohib
</icmp-unreach-host-prohib>
<icmp-unreach-tosnet>
  icmp-unreach-tosnet
</icmp-unreach-tosnet>
<icmp-unreach-toshost>
  icmp-unreach-toshost
</icmp-unreach-toshost>
<icmp-unreach-filter-prohib>
  icmp-unreach-filter-prohib
</icmp-unreach-filter-prohib>
<icmp-unreach-host-precedence>
  icmp-unreach-host-precedence
</icmp-unreach-host-precedence>
<icmp-unreach-precedence-cutoff>
  icmp-unreach-precedence-cutoff
</icmp-unreach-precedence-cutoff>
<icmp-redirect-net>
  icmp-redirect-net
</icmp-redirect-net>
<icmp-redirect-host>
  icmp-redirect-host
</icmp-redirect-host>
<icmp-redirect-tosnet>
  icmp-redirect-tosnet
</icmp-redirect-tosnet>
<icmp-redirect-toshost>
  icmp-redirect-toshost
</icmp-redirect-toshost>
<icmp-timxceed-intrans>
  icmp-timxceed-intrans
</icmp-timxceed-intrans>
<icmp-timxceed-reass>
  icmp-timxceed-reass
</icmp-timxceed-reass>
<icmp-paramprob-optabsent>
  icmp-paramprob-optabsent
</icmp-paramprob-optabsent>
<icmp6-unreach-noroute>
  icmp6-unreach-noroute
</icmp6-unreach-noroute>
<icmp6-unreach-admin>
```

```

    icmp6-unreach-admin
  </icmp6-unreach-admin>
  <icmp6-unreach-beyond-scope>
    icmp6-unreach-beyond-scope
  </icmp6-unreach-beyond-scope>
  <icmp6-unreach-address>
    icmp6-unreach-address
  </icmp6-unreach-address>
  <icmp6-unreach-port>
    icmp6-unreach-port
  </icmp6-unreach-port>
  <icmp6-time-exceed-transit>
    icmp6-time-exceed-transit
  </icmp6-time-exceed-transit>
  <icmp6-time-exceed-reassembly>
    icmp6-time-exceed-reassembly
  </icmp6-time-exceed-reassembly>
  <icmp6-parameter-problem-header>
    icmp6-parameter-problem-header
  </icmp6-parameter-problem-header>
  <icmp6-parameter-problem-nextheader>
    icmp6-parameter-problem-nextheader
  </icmp6-parameter-problem-nextheader>
  <icmp6-parameter-problem-option>
    icmp6-parameter-problem-option
  </icmp6-parameter-problem-option>
  <icmp6-ni-subject-ipv6>
    icmp6-ni-subject-ipv6
  </icmp6-ni-subject-ipv6>
  <icmp6-ni-subject-fqdn>
    icmp6-ni-subject-fqdn
  </icmp6-ni-subject-fqdn>
  <icmp6-ni-subject-ipv4>
    icmp6-ni-subject-ipv4
  </icmp6-ni-subject-ipv4>
  <icmp6-ni-success>
    icmp6-ni-success
  </icmp6-ni-success>
  <icmp6-ni-refused>
    icmp6-ni-refused
  </icmp6-ni-refused>
  <icmp6-ni-unknown>
    icmp6-ni-unknown
  </icmp6-ni-unknown>
</icmp-code>
</probe-result>

```

**Description**    Type of ICMP message type sub code

### <icmp-code>

#### Usage

```

<ping-results>
<probe-result>

```

```
<icmp-code>
  <icmp-code-none>
    icmp-code-none
  </icmp-code-none>
  <icmp-unreach-net>
    icmp-unreach-net
  </icmp-unreach-net>
  <icmp-unreach-host>
    icmp-unreach-host
  </icmp-unreach-host>
  <icmp-unreach-protocol>
    icmp-unreach-protocol
  </icmp-unreach-protocol>
  <icmp-unreach-port>
    icmp-unreach-port
  </icmp-unreach-port>
  <icmp-unreach-needfrag>
    icmp-unreach-needfrag
  </icmp-unreach-needfrag>
  <icmp-unreach-srcfail>
    icmp-unreach-srcfail
  </icmp-unreach-srcfail>
  <icmp-unreach-net-unknown>
    icmp-unreach-net-unknown
  </icmp-unreach-net-unknown>
  <icmp-unreach-host-unknown>
    icmp-unreach-host-unknown
  </icmp-unreach-host-unknown>
  <icmp-unreach-isolated>
    icmp-unreach-isolated
  </icmp-unreach-isolated>
  <icmp-unreach-net-prohib>
    icmp-unreach-net-prohib
  </icmp-unreach-net-prohib>
  <icmp-unreach-host-prohib>
    icmp-unreach-host-prohib
  </icmp-unreach-host-prohib>
  <icmp-unreach-tosnet>
    icmp-unreach-tosnet
  </icmp-unreach-tosnet>
  <icmp-unreach-toshost>
    icmp-unreach-toshost
  </icmp-unreach-toshost>
  <icmp-unreach-filter-prohib>
    icmp-unreach-filter-prohib
  </icmp-unreach-filter-prohib>
  <icmp-unreach-host-precedence>
    icmp-unreach-host-precedence
  </icmp-unreach-host-precedence>
  <icmp-unreach-precedence-cutoff>
    icmp-unreach-precedence-cutoff
  </icmp-unreach-precedence-cutoff>
  <icmp-redirect-net>
    icmp-redirect-net
  </icmp-redirect-net>
  <icmp-redirect-host>
```

```
    icmp-redirect-host
  </icmp-redirect-host>
  <icmp-redirect-tosnet>
    icmp-redirect-tosnet
  </icmp-redirect-tosnet>
  <icmp-redirect-toshost>
    icmp-redirect-toshost
  </icmp-redirect-toshost>
  <icmp-timxceed-intrans>
    icmp-timxceed-intrans
  </icmp-timxceed-intrans>
  <icmp-timxceed-reass>
    icmp-timxceed-reass
  </icmp-timxceed-reass>
  <icmp-paramprob-optabsent>
    icmp-paramprob-optabsent
  </icmp-paramprob-optabsent>
  <icmp6-unreach-noroute>
    icmp6-unreach-noroute
  </icmp6-unreach-noroute>
  <icmp6-unreach-admin>
    icmp6-unreach-admin
  </icmp6-unreach-admin>
  <icmp6-unreach-beyond-scope>
    icmp6-unreach-beyond-scope
  </icmp6-unreach-beyond-scope>
  <icmp6-unreach-address>
    icmp6-unreach-address
  </icmp6-unreach-address>
  <icmp6-unreach-port>
    icmp6-unreach-port
  </icmp6-unreach-port>
  <icmp6-time-exceed-transit>
    icmp6-time-exceed-transit
  </icmp6-time-exceed-transit>
  <icmp6-time-exceed-reassembly>
    icmp6-time-exceed-reassembly
  </icmp6-time-exceed-reassembly>
  <icmp6-parameter-problem-header>
    icmp6-parameter-problem-header
  </icmp6-parameter-problem-header>
  <icmp6-parameter-problem-nexthead>
    icmp6-parameter-problem-nexthead
  </icmp6-parameter-problem-nexthead>
  <icmp6-parameter-problem-option>
    icmp6-parameter-problem-option
  </icmp6-parameter-problem-option>
  <icmp6-ni-subject-ipv6>
    icmp6-ni-subject-ipv6
  </icmp6-ni-subject-ipv6>
  <icmp6-ni-subject-fqdn>
    icmp6-ni-subject-fqdn
  </icmp6-ni-subject-fqdn>
  <icmp6-ni-subject-ipv4>
    icmp6-ni-subject-ipv4
  </icmp6-ni-subject-ipv4>
```

```
<icmp6-ni-success>
  icmp6-ni-success
</icmp6-ni-success>
<icmp6-ni-refused>
  icmp6-ni-refused
</icmp6-ni-refused>
<icmp6-ni-unknown>
  icmp6-ni-unknown
</icmp6-ni-unknown>
</icmp-code>
</probe-result>
</ping-results>
```

**Description** Type of ICMP message type sub code

## <icmp-code>

### Usage

```
<hop>
<probe-result>
  <icmp-code>
    <icmp-code-none>
      icmp-code-none
    </icmp-code-none>
    <icmp-unreach-net>
      icmp-unreach-net
    </icmp-unreach-net>
    <icmp-unreach-host>
      icmp-unreach-host
    </icmp-unreach-host>
    <icmp-unreach-protocol>
      icmp-unreach-protocol
    </icmp-unreach-protocol>
    <icmp-unreach-port>
      icmp-unreach-port
    </icmp-unreach-port>
    <icmp-unreach-needfrag>
      icmp-unreach-needfrag
    </icmp-unreach-needfrag>
    <icmp-unreach-srcfail>
      icmp-unreach-srcfail
    </icmp-unreach-srcfail>
    <icmp-unreach-net-unknown>
      icmp-unreach-net-unknown
    </icmp-unreach-net-unknown>
    <icmp-unreach-host-unknown>
      icmp-unreach-host-unknown
    </icmp-unreach-host-unknown>
    <icmp-unreach-isolated>
      icmp-unreach-isolated
    </icmp-unreach-isolated>
    <icmp-unreach-net-prohib>
      icmp-unreach-net-prohib
    </icmp-unreach-net-prohib>
```



```
<icmp-unreach-host-prohib>
  icmp-unreach-host-prohib
</icmp-unreach-host-prohib>
<icmp-unreach-tosnet>
  icmp-unreach-tosnet
</icmp-unreach-tosnet>
<icmp-unreach-toshost>
  icmp-unreach-toshost
</icmp-unreach-toshost>
<icmp-unreach-filter-prohib>
  icmp-unreach-filter-prohib
</icmp-unreach-filter-prohib>
<icmp-unreach-host-precedence>
  icmp-unreach-host-precedence
</icmp-unreach-host-precedence>
<icmp-unreach-precedence-cutoff>
  icmp-unreach-precedence-cutoff
</icmp-unreach-precedence-cutoff>
<icmp-redirect-net>
  icmp-redirect-net
</icmp-redirect-net>
<icmp-redirect-host>
  icmp-redirect-host
</icmp-redirect-host>
<icmp-redirect-tosnet>
  icmp-redirect-tosnet
</icmp-redirect-tosnet>
<icmp-redirect-toshost>
  icmp-redirect-toshost
</icmp-redirect-toshost>
<icmp-timxceed-intrans>
  icmp-timxceed-intrans
</icmp-timxceed-intrans>
<icmp-timxceed-reass>
  icmp-timxceed-reass
</icmp-timxceed-reass>
<icmp-paramprob-optabsent>
  icmp-paramprob-optabsent
</icmp-paramprob-optabsent>
<icmp6-unreach-noroute>
  icmp6-unreach-noroute
</icmp6-unreach-noroute>
<icmp6-unreach-admin>
  icmp6-unreach-admin
</icmp6-unreach-admin>
<icmp6-unreach-beyond-scope>
  icmp6-unreach-beyond-scope
</icmp6-unreach-beyond-scope>
<icmp6-unreach-address>
  icmp6-unreach-address
</icmp6-unreach-address>
<icmp6-unreach-port>
  icmp6-unreach-port
</icmp6-unreach-port>
<icmp6-time-exceed-transit>
  icmp6-time-exceed-transit
```

```
</icmp6-time-exceed-transit>
<icmp6-time-exceed-reassembly>
  icmp6-time-exceed-reassembly
</icmp6-time-exceed-reassembly>
<icmp6-parameter-problem-header>
  icmp6-parameter-problem-header
</icmp6-parameter-problem-header>
<icmp6-parameter-problem-nextheader>
  icmp6-parameter-problem-nextheader
</icmp6-parameter-problem-nextheader>
<icmp6-parameter-problem-option>
  icmp6-parameter-problem-option
</icmp6-parameter-problem-option>
<icmp6-ni-subject-ipv6>
  icmp6-ni-subject-ipv6
</icmp6-ni-subject-ipv6>
<icmp6-ni-subject-fqdn>
  icmp6-ni-subject-fqdn
</icmp6-ni-subject-fqdn>
<icmp6-ni-subject-ipv4>
  icmp6-ni-subject-ipv4
</icmp6-ni-subject-ipv4>
<icmp6-ni-success>
  icmp6-ni-success
</icmp6-ni-success>
<icmp6-ni-refused>
  icmp6-ni-refused
</icmp6-ni-refused>
<icmp6-ni-unknown>
  icmp6-ni-unknown
</icmp6-ni-unknown>
</icmp-code>
</probe-result>
</hop>
```

**Description**    Type of ICMP message type sub code

## <icmp-code>

### Usage

```
<traceroute-results>
<hop>
  <probe-result>
    <icmp-code>
      <icmp-code-none>
        icmp-code-none
      </icmp-code-none>
      <icmp-unreach-net>
        icmp-unreach-net
      </icmp-unreach-net>
      <icmp-unreach-host>
        icmp-unreach-host
      </icmp-unreach-host>
      <icmp-unreach-protocol>
```

```
    icmp-unreach-protocol
  </icmp-unreach-protocol>
  <icmp-unreach-port>
    icmp-unreach-port
  </icmp-unreach-port>
  <icmp-unreach-needfrag>
    icmp-unreach-needfrag
  </icmp-unreach-needfrag>
  <icmp-unreach-srcfail>
    icmp-unreach-srcfail
  </icmp-unreach-srcfail>
  <icmp-unreach-net-unknown>
    icmp-unreach-net-unknown
  </icmp-unreach-net-unknown>
  <icmp-unreach-host-unknown>
    icmp-unreach-host-unknown
  </icmp-unreach-host-unknown>
  <icmp-unreach-isolated>
    icmp-unreach-isolated
  </icmp-unreach-isolated>
  <icmp-unreach-net-prohib>
    icmp-unreach-net-prohib
  </icmp-unreach-net-prohib>
  <icmp-unreach-host-prohib>
    icmp-unreach-host-prohib
  </icmp-unreach-host-prohib>
  <icmp-unreach-tosnet>
    icmp-unreach-tosnet
  </icmp-unreach-tosnet>
  <icmp-unreach-toshost>
    icmp-unreach-toshost
  </icmp-unreach-toshost>
  <icmp-unreach-filter-prohib>
    icmp-unreach-filter-prohib
  </icmp-unreach-filter-prohib>
  <icmp-unreach-host-precedence>
    icmp-unreach-host-precedence
  </icmp-unreach-host-precedence>
  <icmp-unreach-precedence-cutoff>
    icmp-unreach-precedence-cutoff
  </icmp-unreach-precedence-cutoff>
  <icmp-redirect-net>
    icmp-redirect-net
  </icmp-redirect-net>
  <icmp-redirect-host>
    icmp-redirect-host
  </icmp-redirect-host>
  <icmp-redirect-tosnet>
    icmp-redirect-tosnet
  </icmp-redirect-tosnet>
  <icmp-redirect-toshost>
    icmp-redirect-toshost
  </icmp-redirect-toshost>
  <icmp-timxceed-intrans>
    icmp-timxceed-intrans
  </icmp-timxceed-intrans>
```

```
<icmp-timxceed-reass>
  icmp-timxceed-reass
</icmp-timxceed-reass>
<icmp-paramprob-optabsent>
  icmp-paramprob-optabsent
</icmp-paramprob-optabsent>
<icmp6-unreach-noroute>
  icmp6-unreach-noroute
</icmp6-unreach-noroute>
<icmp6-unreach-admin>
  icmp6-unreach-admin
</icmp6-unreach-admin>
<icmp6-unreach-beyond-scope>
  icmp6-unreach-beyond-scope
</icmp6-unreach-beyond-scope>
<icmp6-unreach-address>
  icmp6-unreach-address
</icmp6-unreach-address>
<icmp6-unreach-port>
  icmp6-unreach-port
</icmp6-unreach-port>
<icmp6-time-exceed-transit>
  icmp6-time-exceed-transit
</icmp6-time-exceed-transit>
<icmp6-time-exceed-reassembly>
  icmp6-time-exceed-reassembly
</icmp6-time-exceed-reassembly>
<icmp6-parameter-problem-header>
  icmp6-parameter-problem-header
</icmp6-parameter-problem-header>
<icmp6-parameter-problem-nextheader>
  icmp6-parameter-problem-nextheader
</icmp6-parameter-problem-nextheader>
<icmp6-parameter-problem-option>
  icmp6-parameter-problem-option
</icmp6-parameter-problem-option>
<icmp6-ni-subject-ipv6>
  icmp6-ni-subject-ipv6
</icmp6-ni-subject-ipv6>
<icmp6-ni-subject-fqdn>
  icmp6-ni-subject-fqdn
</icmp6-ni-subject-fqdn>
<icmp6-ni-subject-ipv4>
  icmp6-ni-subject-ipv4
</icmp6-ni-subject-ipv4>
<icmp6-ni-success>
  icmp6-ni-success
</icmp6-ni-success>
<icmp6-ni-refused>
  icmp6-ni-refused
</icmp6-ni-refused>
<icmp6-ni-unknown>
  icmp6-ni-unknown
</icmp6-ni-unknown>
</icmp-code>
</probe-result>
```

```

    </hop>
</traceroute-results>

```

**Description**    Type of ICMP message type sub code

### <icmp-type>

#### Usage

```

<icmp-type>
  <icmp-type-none>
    icmp-type-none
  </icmp-type-none>
  <icmp-echoreply>
    icmp-echoreply
  </icmp-echoreply>
  <icmp-unreach>
    icmp-unreach
  </icmp-unreach>
  <icmp-sourcequench>
    icmp-sourcequench
  </icmp-sourcequench>
  <icmp-redirect>
    icmp-redirect
  </icmp-redirect>
  <icmp-echo>
    icmp-echo
  </icmp-echo>
  <icmp-routeradvert>
    icmp-routeradvert
  </icmp-routeradvert>
  <icmp-routersolicit>
    icmp-routersolicit
  </icmp-routersolicit>
  <icmp-timxceed>
    icmp-timxceed
  </icmp-timxceed>
  <icmp-paramprob>
    icmp-paramprob
  </icmp-paramprob>
  <icmp-tstamp>
    icmp-tstamp
  </icmp-tstamp>
  <icmp-tstampreply>
    icmp-tstampreply
  </icmp-tstampreply>
  <icmp-ireq>
    icmp-ireq
  </icmp-ireq>
  <icmp-ireqreply>
    icmp-ireqreply
  </icmp-ireqreply>
  <icmp-maskreq>
    icmp-maskreq
  </icmp-maskreq>

```

```
<icmp-maskreply>
  icmp-maskreply
</icmp-maskreply>
<icmp6-unreach>
  icmp6-unreach
</icmp6-unreach>
<icmp6-packet-too-big>
  icmp6-packet-too-big
</icmp6-packet-too-big>
<icmp6-time-exceeded>
  icmp6-time-exceeded
</icmp6-time-exceeded>
<icmp6-parameter-problem>
  icmp6-parameter-problem
</icmp6-parameter-problem>
<icmp6-echo-request>
  icmp6-echo-request
</icmp6-echo-request>
<icmp6-echo-reply>
  icmp6-echo-reply
</icmp6-echo-reply>
<icmp6-membership-query>
  icmp6-membership-query
</icmp6-membership-query>
<icmp6-membership-report>
  icmp6-membership-report
</icmp6-membership-report>
<icmp6-membership-reduction>
  icmp6-membership-reduction
</icmp6-membership-reduction>
<icmp6-router-solicit>
  icmp6-router-solicit
</icmp6-router-solicit>
<icmp6-router-advert>
  icmp6-router-advert
</icmp6-router-advert>
<icmp6-neighbor-solicit>
  icmp6-neighbor-solicit
</icmp6-neighbor-solicit>
<icmp6-neighbor-advert>
  icmp6-neighbor-advert
</icmp6-neighbor-advert>
<icmp6-redirect>
  icmp6-redirect
</icmp6-redirect>
<icmp6-router-renumbering>
  icmp6-router-renumbering
</icmp6-router-renumbering>
<icmp6-ni-query>
  icmp6-ni-query
</icmp6-ni-query>
<icmp6-ni-reply>
  icmp6-ni-reply
</icmp6-ni-reply>
</icmp-type>
```

**Description**    Type of ICMP message

## <icmp-type>

### Usage

```
<probe-result>
  <icmp-type>
    <icmp-type-none>
      icmp-type-none
    </icmp-type-none>
    <icmp-echoreply>
      icmp-echoreply
    </icmp-echoreply>
    <icmp-unreach>
      icmp-unreach
    </icmp-unreach>
    <icmp-sourcequench>
      icmp-sourcequench
    </icmp-sourcequench>
    <icmp-redirect>
      icmp-redirect
    </icmp-redirect>
    <icmp-echo>
      icmp-echo
    </icmp-echo>
    <icmp-routeradvert>
      icmp-routeradvert
    </icmp-routeradvert>
    <icmp-routersolicit>
      icmp-routersolicit
    </icmp-routersolicit>
    <icmp-timxceed>
      icmp-timxceed
    </icmp-timxceed>
    <icmp-paramprob>
      icmp-paramprob
    </icmp-paramprob>
    <icmp-tstamp>
      icmp-tstamp
    </icmp-tstamp>
    <icmp-tstampreply>
      icmp-tstampreply
    </icmp-tstampreply>
    <icmp-ireq>
      icmp-ireq
    </icmp-ireq>
    <icmp-ireqreply>
      icmp-ireqreply
    </icmp-ireqreply>
    <icmp-maskreq>
      icmp-maskreq
    </icmp-maskreq>
    <icmp-maskreply>
      icmp-maskreply
    </icmp-maskreply>
```

```
<icmp6-unreach>
  icmp6-unreach
</icmp6-unreach>
<icmp6-packet-too-big>
  icmp6-packet-too-big
</icmp6-packet-too-big>
<icmp6-time-exceeded>
  icmp6-time-exceeded
</icmp6-time-exceeded>
<icmp6-parameter-problem>
  icmp6-parameter-problem
</icmp6-parameter-problem>
<icmp6-echo-request>
  icmp6-echo-request
</icmp6-echo-request>
<icmp6-echo-reply>
  icmp6-echo-reply
</icmp6-echo-reply>
<icmp6-membership-query>
  icmp6-membership-query
</icmp6-membership-query>
<icmp6-membership-report>
  icmp6-membership-report
</icmp6-membership-report>
<icmp6-membership-reduction>
  icmp6-membership-reduction
</icmp6-membership-reduction>
<icmp6-router-solicit>
  icmp6-router-solicit
</icmp6-router-solicit>
<icmp6-router-advert>
  icmp6-router-advert
</icmp6-router-advert>
<icmp6-neighbor-solicit>
  icmp6-neighbor-solicit
</icmp6-neighbor-solicit>
<icmp6-neighbor-advert>
  icmp6-neighbor-advert
</icmp6-neighbor-advert>
<icmp6-redirect>
  icmp6-redirect
</icmp6-redirect>
<icmp6-router-renumbering>
  icmp6-router-renumbering
</icmp6-router-renumbering>
<icmp6-ni-query>
  icmp6-ni-query
</icmp6-ni-query>
<icmp6-ni-reply>
  icmp6-ni-reply
</icmp6-ni-reply>
</icmp-type>
</probe-result>
```



**Description**    Type of ICMP message

## <icmp-type>

### Usage

```

<ping-results>
<probe-result>
  <icmp-type>
    <icmp-type-none>
      icmp-type-none
    </icmp-type-none>
    <icmp-echoreply>
      icmp-echoreply
    </icmp-echoreply>
    <icmp-unreach>
      icmp-unreach
    </icmp-unreach>
    <icmp-sourcequench>
      icmp-sourcequench
    </icmp-sourcequench>
    <icmp-redirect>
      icmp-redirect
    </icmp-redirect>
    <icmp-echo>
      icmp-echo
    </icmp-echo>
    <icmp-routeradvert>
      icmp-routeradvert
    </icmp-routeradvert>
    <icmp-routersolicit>
      icmp-routersolicit
    </icmp-routersolicit>
    <icmp-timxceed>
      icmp-timxceed
    </icmp-timxceed>
    <icmp-paramprob>
      icmp-paramprob
    </icmp-paramprob>
    <icmp-tstamp>
      icmp-tstamp
    </icmp-tstamp>
    <icmp-tstampreply>
      icmp-tstampreply
    </icmp-tstampreply>
    <icmp-ireq>
      icmp-ireq
    </icmp-ireq>
    <icmp-ireqreply>
      icmp-ireqreply
    </icmp-ireqreply>
    <icmp-maskreq>
      icmp-maskreq
    </icmp-maskreq>
    <icmp-maskreply>
      icmp-maskreply
  
```

```
</icmp-maskreply>
<icmp6-unreach>
  icmp6-unreach
</icmp6-unreach>
<icmp6-packet-too-big>
  icmp6-packet-too-big
</icmp6-packet-too-big>
<icmp6-time-exceeded>
  icmp6-time-exceeded
</icmp6-time-exceeded>
<icmp6-parameter-problem>
  icmp6-parameter-problem
</icmp6-parameter-problem>
<icmp6-echo-request>
  icmp6-echo-request
</icmp6-echo-request>
<icmp6-echo-reply>
  icmp6-echo-reply
</icmp6-echo-reply>
<icmp6-membership-query>
  icmp6-membership-query
</icmp6-membership-query>
<icmp6-membership-report>
  icmp6-membership-report
</icmp6-membership-report>
<icmp6-membership-reduction>
  icmp6-membership-reduction
</icmp6-membership-reduction>
<icmp6-router-solicit>
  icmp6-router-solicit
</icmp6-router-solicit>
<icmp6-router-advert>
  icmp6-router-advert
</icmp6-router-advert>
<icmp6-neighbor-solicit>
  icmp6-neighbor-solicit
</icmp6-neighbor-solicit>
<icmp6-neighbor-advert>
  icmp6-neighbor-advert
</icmp6-neighbor-advert>
<icmp6-redirect>
  icmp6-redirect
</icmp6-redirect>
<icmp6-router-renumbering>
  icmp6-router-renumbering
</icmp6-router-renumbering>
<icmp6-ni-query>
  icmp6-ni-query
</icmp6-ni-query>
<icmp6-ni-reply>
  icmp6-ni-reply
</icmp6-ni-reply>
</icmp-type>
</probe-result>
</ping-results>
```

**Description**    Type of ICMP message

## <icmp-type>

### Usage

```

<hop>
<probe-result>
  <icmp-type>
    <icmp-type-none>
      icmp-type-none
    </icmp-type-none>
    <icmp-echoreply>
      icmp-echoreply
    </icmp-echoreply>
    <icmp-unreach>
      icmp-unreach
    </icmp-unreach>
    <icmp-sourcequench>
      icmp-sourcequench
    </icmp-sourcequench>
    <icmp-redirect>
      icmp-redirect
    </icmp-redirect>
    <icmp-echo>
      icmp-echo
    </icmp-echo>
    <icmp-routeradvert>
      icmp-routeradvert
    </icmp-routeradvert>
    <icmp-routersolicit>
      icmp-routersolicit
    </icmp-routersolicit>
    <icmp-timxceed>
      icmp-timxceed
    </icmp-timxceed>
    <icmp-paramprob>
      icmp-paramprob
    </icmp-paramprob>
    <icmp-tstamp>
      icmp-tstamp
    </icmp-tstamp>
    <icmp-tstampreply>
      icmp-tstampreply
    </icmp-tstampreply>
    <icmp-ireq>
      icmp-ireq
    </icmp-ireq>
    <icmp-ireqreply>
      icmp-ireqreply
    </icmp-ireqreply>
    <icmp-maskreq>
      icmp-maskreq
    </icmp-maskreq>
    <icmp-maskreply>
      icmp-maskreply
  
```

```
</icmp-maskreply>
<icmp6-unreach>
  icmp6-unreach
</icmp6-unreach>
<icmp6-packet-too-big>
  icmp6-packet-too-big
</icmp6-packet-too-big>
<icmp6-time-exceeded>
  icmp6-time-exceeded
</icmp6-time-exceeded>
<icmp6-parameter-problem>
  icmp6-parameter-problem
</icmp6-parameter-problem>
<icmp6-echo-request>
  icmp6-echo-request
</icmp6-echo-request>
<icmp6-echo-reply>
  icmp6-echo-reply
</icmp6-echo-reply>
<icmp6-membership-query>
  icmp6-membership-query
</icmp6-membership-query>
<icmp6-membership-report>
  icmp6-membership-report
</icmp6-membership-report>
<icmp6-membership-reduction>
  icmp6-membership-reduction
</icmp6-membership-reduction>
<icmp6-router-solicit>
  icmp6-router-solicit
</icmp6-router-solicit>
<icmp6-router-advert>
  icmp6-router-advert
</icmp6-router-advert>
<icmp6-neighbor-solicit>
  icmp6-neighbor-solicit
</icmp6-neighbor-solicit>
<icmp6-neighbor-advert>
  icmp6-neighbor-advert
</icmp6-neighbor-advert>
<icmp6-redirect>
  icmp6-redirect
</icmp6-redirect>
<icmp6-router-renumbering>
  icmp6-router-renumbering
</icmp6-router-renumbering>
<icmp6-ni-query>
  icmp6-ni-query
</icmp6-ni-query>
<icmp6-ni-reply>
  icmp6-ni-reply
</icmp6-ni-reply>
</icmp-type>
</probe-result>
</hop>
```

**Description**    Type of ICMP message

## <icmp-type>

### Usage

```
<traceroute-results>
<hop>
  <probe-result>
    <icmp-type>
      <icmp-type-none>
        icmp-type-none
      </icmp-type-none>
      <icmp-echoreply>
        icmp-echoreply
      </icmp-echoreply>
      <icmp-unreach>
        icmp-unreach
      </icmp-unreach>
      <icmp-sourcequench>
        icmp-sourcequench
      </icmp-sourcequench>
      <icmp-redirect>
        icmp-redirect
      </icmp-redirect>
      <icmp-echo>
        icmp-echo
      </icmp-echo>
      <icmp-routeradvert>
        icmp-routeradvert
      </icmp-routeradvert>
      <icmp-routersolicit>
        icmp-routersolicit
      </icmp-routersolicit>
      <icmp-timxceed>
        icmp-timxceed
      </icmp-timxceed>
      <icmp-paramprob>
        icmp-paramprob
      </icmp-paramprob>
      <icmp-tstamp>
        icmp-tstamp
      </icmp-tstamp>
      <icmp-tstampreply>
        icmp-tstampreply
      </icmp-tstampreply>
      <icmp-ireq>
        icmp-ireq
      </icmp-ireq>
      <icmp-ireqreply>
        icmp-ireqreply
      </icmp-ireqreply>
      <icmp-maskreq>
        icmp-maskreq
      </icmp-maskreq>
      <icmp-maskreply>
```

```
    icmp-maskreply
  </icmp-maskreply>
  <icmp6-unreach>
    icmp6-unreach
  </icmp6-unreach>
  <icmp6-packet-too-big>
    icmp6-packet-too-big
  </icmp6-packet-too-big>
  <icmp6-time-exceeded>
    icmp6-time-exceeded
  </icmp6-time-exceeded>
  <icmp6-parameter-problem>
    icmp6-parameter-problem
  </icmp6-parameter-problem>
  <icmp6-echo-request>
    icmp6-echo-request
  </icmp6-echo-request>
  <icmp6-echo-reply>
    icmp6-echo-reply
  </icmp6-echo-reply>
  <icmp6-membership-query>
    icmp6-membership-query
  </icmp6-membership-query>
  <icmp6-membership-report>
    icmp6-membership-report
  </icmp6-membership-report>
  <icmp6-membership-reduction>
    icmp6-membership-reduction
  </icmp6-membership-reduction>
  <icmp6-router-solicit>
    icmp6-router-solicit
  </icmp6-router-solicit>
  <icmp6-router-advert>
    icmp6-router-advert
  </icmp6-router-advert>
  <icmp6-neighbor-solicit>
    icmp6-neighbor-solicit
  </icmp6-neighbor-solicit>
  <icmp6-neighbor-advert>
    icmp6-neighbor-advert
  </icmp6-neighbor-advert>
  <icmp6-redirect>
    icmp6-redirect
  </icmp6-redirect>
  <icmp6-router-renumbering>
    icmp6-router-renumbering
  </icmp6-router-renumbering>
  <icmp6-ni-query>
    icmp6-ni-query
  </icmp6-ni-query>
  <icmp6-ni-reply>
    icmp6-ni-reply
  </icmp6-ni-reply>
</icmp-type>
</probe-result>
</hop>
```

```
</traceroute-results>
```

**Description** Type of ICMP message

```
<ip-options>
```

**Usage**

```
<ip-options>
<record-route>....</record-route>
<loose-source-route>....</loose-source-route>
<strict-source-route>....</strict-source-route>
</ip-options>
```

**Description** IP options contained in the response

```
<ip-options>
```

**Usage**

```
<probe-result>
<ip-options>
<record-route>....</record-route>
<loose-source-route>....</loose-source-route>
<strict-source-route>....</strict-source-route>
</ip-options>
</probe-result>
```

**Description** IP options contained in the response

```
<ip-options>
```

**Usage**

```
<ping-results>
<probe-result>
<ip-options>
<record-route>....</record-route>
<loose-source-route>....</loose-source-route>
<strict-source-route>....</strict-source-route>
</ip-options>
</probe-result>
</ping-results>
```

**Description** IP options contained in the response

```
<ip-options>
```

**Usage**

```
<hop>
<probe-result>
<ip-options>
```

```
<record-route>....</record-route>
<loose-source-route>....</loose-source-route>
<strict-source-route>....</strict-source-route>
</ip-options>
</probe-result>
</hop>
```

**Description** IP options contained in the response

### <ip-options>

#### Usage

```
<traceroute-results>
<hop>
  <probe-result>
    <ip-options>
      <record-route>....</record-route>
      <loose-source-route>....</loose-source-route>
      <strict-source-route>....</strict-source-route>
    </ip-options>
  </probe-result>
</hop>
</traceroute-results>
```

**Description** IP options contained in the response

### <loose-source-route>

#### Usage

```
<ip-options>
  <loose-source-route>
    <record-route-host>....</record-route-host>
  </loose-source-route>
</ip-options>
```

**Description** Loose source route (LSRR) IP option

### <loose-source-route>

#### Usage

```
<probe-result>
  <ip-options>
    <loose-source-route>
      <record-route-host>....</record-route-host>
    </loose-source-route>
  </ip-options>
</probe-result>
```

**Description** Loose source route (LSRR) IP option



**<loose-source-route>****Usage**

```

<ping-results>
  <probe-result>
    <ip-options>
      <loose-source-route>
        <record-route-host>....</record-route-host>
      </loose-source-route>
    </ip-options>
  </probe-result>
</ping-results>

```

**Description** Loose source route (LSRR) IP option

**<loose-source-route>****Usage**

```

<hop>
  <probe-result>
    <ip-options>
      <loose-source-route>
        <record-route-host>....</record-route-host>
      </loose-source-route>
    </ip-options>
  </probe-result>
</hop>

```

**Description** Loose source route (LSRR) IP option

**<loose-source-route>****Usage**

```

<traceroute-results>
  <hop>
    <probe-result>
      <ip-options>
        <loose-source-route>
          <record-route-host>....</record-route-host>
        </loose-source-route>
      </ip-options>
    </probe-result>
  </hop>
</traceroute-results>

```

**Description** Loose source route (LSRR) IP option

## <lsping-probe-reply>

### Usage

```
<lsping-probe-reply>
  <lsping-sequence-number>
    lsping-sequence-number
  </lsping-sequence-number>
  <lsping-return-code>
    lsping-return-code
  </lsping-return-code>
  <lsping-ip-address>
    lsping-ip-address
  </lsping-ip-address>
  <lsping-round-trip-time>
    lsping-round-trip-time
  </lsping-round-trip-time>
  <lsping-local-transmit-time>
    lsping-local-transmit-time
  </lsping-local-transmit-time>
  <lsping-local-transmit-time-us>
    lsping-local-transmit-time-us
  </lsping-local-transmit-time-us>
  <lsping-remote-receive-time>
    lsping-remote-receive-time
  </lsping-remote-receive-time>
  <lsping-remote-receive-time-us>
    lsping-remote-receive-time-us
  </lsping-remote-receive-time-us>
</lsping-probe-reply>
```

### Description

## <lsping-probe-reply>

### Usage

```
<lsping-results>
  <lsping-probe-reply>
    <lsping-sequence-number>
      lsping-sequence-number
    </lsping-sequence-number>
    <lsping-return-code>
      lsping-return-code
    </lsping-return-code>
    <lsping-ip-address>
      lsping-ip-address
    </lsping-ip-address>
    <lsping-round-trip-time>
      lsping-round-trip-time
    </lsping-round-trip-time>
    <lsping-local-transmit-time>
      lsping-local-transmit-time
    </lsping-local-transmit-time>
    <lsping-local-transmit-time-us>
      lsping-local-transmit-time-us
    </lsping-local-transmit-time-us>
  </lsping-probe-reply>
</lsping-results>
```

```

</lsping-local-transmit-time-us>
<lsping-remote-receive-time>
  lsping-remote-receive-time
</lsping-remote-receive-time>
<lsping-remote-receive-time-us>
  lsping-remote-receive-time-us
</lsping-remote-receive-time-us>
</lsping-probe-reply>
</lsping-results>

```

### Description

## <lsping-probe-request>

### Usage

```

<lsping-probe-request>
  <lsping-sequence-number>
    lsping-sequence-number
  </lsping-sequence-number>
  <lsping-interface-index>
    lsping-interface-index
  </lsping-interface-index>
  <lsping-label>
    lsping-label
  </lsping-label>
  <lsping-packet-size>
    lsping-packet-size
  </lsping-packet-size>
</lsping-probe-request>

```

**Description** One request probe

## <lsping-probe-request>

### Usage

```

<lsping-results>
  <lsping-probe-request>
    <lsping-sequence-number>
      lsping-sequence-number
    </lsping-sequence-number>
    <lsping-interface-index>
      lsping-interface-index
    </lsping-interface-index>
    <lsping-label>
      lsping-label
    </lsping-label>
    <lsping-packet-size>
      lsping-packet-size
    </lsping-packet-size>
  </lsping-probe-request>
</lsping-results>

```

**Description** One request probe

### <lsping-results>

#### Usage

```
<lsping-results>
  <lsping-route-comment>
    lsping-route-comment
  </lsping-route-comment>
  <lsping-probe-request>....</lsping-probe-request>
  <lsping-probe-reply>....</lsping-probe-reply>
  <lsping-results-summary>....</lsping-results-summary>
  <vpls-ping-results-summary>....</vpls-ping-results-summary>
  <lsping-sweep-summary>....</lsping-sweep-summary>
  <lsping-success>
    lsping-success
  </lsping-success>
  <lsping-failure>
    lsping-failure
  </lsping-failure>
</lsping-results>
```

#### Description

### <lsping-results-summary>

#### Usage

```
<lsping-results-summary>
  <lsping-packets-transmitted>
    lsping-packets-transmitted
  </lsping-packets-transmitted>
  <lsping-packets-received>
    lsping-packets-received
  </lsping-packets-received>
  <lsping-packet-loss>
    lsping-packet-loss
  </lsping-packet-loss>
  <lsping-error-packets>
    lsping-error-packets
  </lsping-error-packets>
</lsping-results-summary>
```

**Description** Summary of lsping probe results

### <lsping-results-summary>

#### Usage

```
<lsping-results>
  <lsping-results-summary>
    <lsping-packets-transmitted>
      lsping-packets-transmitted
    </lsping-packets-transmitted>
    <lsping-packets-received>
```

```
    lsping-packets-received
  </lsping-packets-received>
  <lsping-packet-loss>
    lsping-packet-loss
  </lsping-packet-loss>
  <lsping-error-packets>
    lsping-error-packets
  </lsping-error-packets>
</lsping-results-summary>
</lsping-results>
```

**Description** Summary of lsping probe results

### <lsping-sweep-summary>

**Usage**

```
<lsping-sweep-summary>
  <lsping-mtu>
    lsping-mtu
  </lsping-mtu>
</lsping-sweep-summary>
```

**Description** Ping sweep result

### <lsping-sweep-summary>

**Usage**

```
<lsping-results>
  <lsping-sweep-summary>
    <lsping-mtu>
      lsping-mtu
    </lsping-mtu>
  </lsping-sweep-summary>
</lsping-results>
```

**Description** Ping sweep result

### <ping-results>

**Usage**

```
<ping-results>
  <target-host>
    target-host
  </target-host>
  <source>
    source
  </source>
  <target-ip>
    target-ip
  </target-ip>
  <packet-size>
```

```
    packet-size
  </packet-size>
  <probe-result>....</probe-result>
  <probe-results-summary>....</probe-results-summary>
  <ping-success>
    ping-success
  </ping-success>
  <ping-failure>
    ping-failure
  </ping-failure>
</ping-results>
```

## Description

### <probe-result>

#### Usage

```
<probe-result>
  <date-determined>
    date-determined
  </date-determined>
  <probe-index>
    probe-index
  </probe-index>
  <sequence-number>
    sequence-number
  </sequence-number>
  <time-to-live>
    time-to-live
  </time-to-live>
  <response-size>
    response-size
  </response-size>
  <rtt>
    rtt
  </rtt>
  <ingress-interface>
    ingress-interface
  </ingress-interface>
  <icmp-type>....</icmp-type>
  <icmp-code>....</icmp-code>
  <ip-address>
    ip-address
  </ip-address>
  <host-name>
    host-name
  </host-name>
  <ip-options>....</ip-options>
  <probe-success>
    probe-success
  </probe-success>
  <probe-duplicate>
    probe-duplicate
  </probe-duplicate>
  <probe-reached>
```

```

    probe-reached
  </probe-reached>
  <probe-failure>
    probe-failure
  </probe-failure>
</probe-result>

```

**Description** Result of one probe

## <probe-result>

### Usage

```

<ping-results>
  <probe-result>
    <date-determined>
      date-determined
    </date-determined>
    <probe-index>
      probe-index
    </probe-index>
    <sequence-number>
      sequence-number
    </sequence-number>
    <time-to-live>
      time-to-live
    </time-to-live>
    <response-size>
      response-size
    </response-size>
    <rtt>
      rtt
    </rtt>
    <ingress-interface>
      ingress-interface
    </ingress-interface>
    <icmp-type>....</icmp-type>
    <icmp-code>....</icmp-code>
    <ip-address>
      ip-address
    </ip-address>
    <host-name>
      host-name
    </host-name>
    <ip-options>....</ip-options>
    <probe-success>
      probe-success
    </probe-success>
    <probe-duplicate>
      probe-duplicate
    </probe-duplicate>
    <probe-reached>
      probe-reached
    </probe-reached>
    <probe-failure>

```

```
    probe-failure
  </probe-failure>
</probe-result>
</ping-results>
```

**Description** Result of one probe

## <probe-result>

### Usage

```
<hop>
  <probe-result>
    <date-determined>
      date-determined
    </date-determined>
    <probe-index>
      probe-index
    </probe-index>
    <sequence-number>
      sequence-number
    </sequence-number>
    <time-to-live>
      time-to-live
    </time-to-live>
    <response-size>
      response-size
    </response-size>
    <rtt>
      rtt
    </rtt>
    <ingress-interface>
      ingress-interface
    </ingress-interface>
    <icmp-type>.....</icmp-type>
    <icmp-code>.....</icmp-code>
    <ip-address>
      ip-address
    </ip-address>
    <host-name>
      host-name
    </host-name>
    <ip-options>.....</ip-options>
    <probe-success>
      probe-success
    </probe-success>
    <probe-duplicate>
      probe-duplicate
    </probe-duplicate>
    <probe-reached>
      probe-reached
    </probe-reached>
    <probe-failure>
      probe-failure
    </probe-failure>
```



```

    </probe-result>
  </hop>

```

**Description** Result of one probe

## <probe-result>

### Usage

```

<traceroute-results>
  <hop>
    <probe-result>
      <date-determined>
        date-determined
      </date-determined>
      <probe-index>
        probe-index
      </probe-index>
      <sequence-number>
        sequence-number
      </sequence-number>
      <time-to-live>
        time-to-live
      </time-to-live>
      <response-size>
        response-size
      </response-size>
      <rtt>
        rtt
      </rtt>
      <ingress-interface>
        ingress-interface
      </ingress-interface>
      <icmp-type>....</icmp-type>
      <icmp-code>....</icmp-code>
      <ip-address>
        ip-address
      </ip-address>
      <host-name>
        host-name
      </host-name>
      <ip-options>....</ip-options>
      <probe-success>
        probe-success
      </probe-success>
      <probe-duplicate>
        probe-duplicate
      </probe-duplicate>
      <probe-reached>
        probe-reached
      </probe-reached>
      <probe-failure>
        probe-failure
      </probe-failure>
    </probe-result>
  </hop>
</traceroute-results>

```

```
</hop>
</traceroute-results>
```

**Description**    Result of one probe

### <probe-results-summary>

#### Usage

```
<probe-results-summary>
  <probes-sent>
    probes-sent
  </probes-sent>
  <responses-received>
    responses-received
  </responses-received>
  <packet-loss>
    packet-loss
  </packet-loss>
  <response-duplicates>
    response-duplicates
  </response-duplicates>
  <response-unexpected-sequence>
    response-unexpected-sequence
  </response-unexpected-sequence>
  <rtt-minimum>
    rtt-minimum
  </rtt-minimum>
  <rtt-average>
    rtt-average
  </rtt-average>
  <rtt-maximum>
    rtt-maximum
  </rtt-maximum>
  <rtt-stddev>
    rtt-stddev
  </rtt-stddev>
</probe-results-summary>
```

**Description**    Summary of probe results

### <probe-results-summary>

#### Usage

```
<ping-results>
  <probe-results-summary>
    <probes-sent>
      probes-sent
    </probes-sent>
    <responses-received>
      responses-received
    </responses-received>
    <packet-loss>
```

```

    packet-loss
  </packet-loss>
  <response-duplicates>
    response-duplicates
  </response-duplicates>
  <response-unexpected-sequence>
    response-unexpected-sequence
  </response-unexpected-sequence>
  <rtt-minimum>
    rtt-minimum
  </rtt-minimum>
  <rtt-average>
    rtt-average
  </rtt-average>
  <rtt-maximum>
    rtt-maximum
  </rtt-maximum>
  <rtt-stddev>
    rtt-stddev
  </rtt-stddev>
</probe-results-summary>
</ping-results>

```

**Description** Summary of probe results

### <record-route>

#### Usage

```

<ip-options>
  <record-route>
    <record-route-host>....</record-route-host>
  </record-route>
</ip-options>

```

**Description** Record route (RR) IP option

### <record-route>

#### Usage

```

<probe-result>
  <ip-options>
    <record-route>
      <record-route-host>....</record-route-host>
    </record-route>
  </ip-options>
</probe-result>

```

**Description** Record route (RR) IP option

## <record-route>

### Usage

```
<ping-results>
  <probe-result>
    <ip-options>
      <record-route>
        <record-route-host>....</record-route-host>
      </record-route>
    </ip-options>
  </probe-result>
</ping-results>
```

**Description** Record route (RR) IP option

## <record-route>

### Usage

```
<hop>
  <probe-result>
    <ip-options>
      <record-route>
        <record-route-host>....</record-route-host>
      </record-route>
    </ip-options>
  </probe-result>
</hop>
```

**Description** Record route (RR) IP option

## <record-route>

### Usage

```
<traceroute-results>
  <hop>
    <probe-result>
      <ip-options>
        <record-route>
          <record-route-host>....</record-route-host>
        </record-route>
      </ip-options>
    </probe-result>
  </hop>
</traceroute-results>
```

**Description** Record route (RR) IP option

**<record-route-host>****Usage**

```
<record-route-host>
  <ip-address>
    ip-address
  </ip-address>
  <host-name>
    host-name
  </host-name>
</record-route-host>
```

**Description** Host entry in the record route

**<record-route-host>****Usage**

```
<ip-options>
  <record-route>
    <record-route-host>
      <ip-address>
        ip-address
      </ip-address>
      <host-name>
        host-name
      </host-name>
    </record-route-host>
  </record-route>
</ip-options>
```

**Description** Host entry in the record route

**<record-route-host>****Usage**

```
<ip-options>
  <loose-source-route>
    <record-route-host>
      <ip-address>
        ip-address
      </ip-address>
      <host-name>
        host-name
      </host-name>
    </record-route-host>
  </loose-source-route>
</ip-options>
```

**Description** Host entry in the record route

### <record-route-host>

#### Usage

```
<ip-options>
  <strict-source-route>
    <record-route-host>
      <ip-address>
        ip-address
      </ip-address>
      <host-name>
        host-name
      </host-name>
    </record-route-host>
  </strict-source-route>
</ip-options>
```

**Description** Host entry in the record route

### <record-route-host>

#### Usage

```
<probe-result>
  <ip-options>
    <record-route>
      <record-route-host>
        <ip-address>
          ip-address
        </ip-address>
        <host-name>
          host-name
        </host-name>
      </record-route-host>
    </record-route>
  </ip-options>
</probe-result>
```

**Description** Host entry in the record route

### <record-route-host>

#### Usage

```
<probe-result>
  <ip-options>
    <loose-source-route>
      <record-route-host>
        <ip-address>
          ip-address
        </ip-address>
        <host-name>
          host-name
        </host-name>
      </record-route-host>
```

```
        </loose-source-route>
      </ip-options>
    </probe-result>
```

**Description** Host entry in the record route

### <record-route-host>

#### Usage

```
    <probe-result>
      <ip-options>
        <strict-source-route>
          <record-route-host>
            <ip-address>
              ip-address
            </ip-address>
            <host-name>
              host-name
            </host-name>
          </record-route-host>
        </strict-source-route>
      </ip-options>
    </probe-result>
```

**Description** Host entry in the record route

### <record-route-host>

#### Usage

```
    <ping-results>
      <probe-result>
        <ip-options>
          <record-route>
            <record-route-host>
              <ip-address>
                ip-address
              </ip-address>
              <host-name>
                host-name
              </host-name>
            </record-route-host>
          </record-route>
        </ip-options>
      </probe-result>
    </ping-results>
```

**Description** Host entry in the record route

## <record-route-host>

### Usage

```
<ping-results>
  <probe-result>
    <ip-options>
      <loose-source-route>
        <record-route-host>
          <ip-address>
            ip-address
          </ip-address>
          <host-name>
            host-name
          </host-name>
        </record-route-host>
      </loose-source-route>
    </ip-options>
  </probe-result>
</ping-results>
```

**Description** Host entry in the record route

## <record-route-host>

### Usage

```
<ping-results>
  <probe-result>
    <ip-options>
      <strict-source-route>
        <record-route-host>
          <ip-address>
            ip-address
          </ip-address>
          <host-name>
            host-name
          </host-name>
        </record-route-host>
      </strict-source-route>
    </ip-options>
  </probe-result>
</ping-results>
```

**Description** Host entry in the record route

## <record-route-host>

### Usage

```
<hop>
  <probe-result>
    <ip-options>
      <record-route>
        <record-route-host>
```



```

    <ip-address>
      ip-address
    </ip-address>
    <host-name>
      host-name
    </host-name>
  </record-route-host>
</record-route>
</ip-options>
</probe-result>
</hop>

```

**Description** Host entry in the record route

### <record-route-host>

#### Usage

```

<hop>
  <probe-result>
    <ip-options>
      <loose-source-route>
        <record-route-host>
          <ip-address>
            ip-address
          </ip-address>
          <host-name>
            host-name
          </host-name>
        </record-route-host>
      </loose-source-route>
    </ip-options>
  </probe-result>
</hop>

```

**Description** Host entry in the record route

### <record-route-host>

#### Usage

```

<hop>
  <probe-result>
    <ip-options>
      <strict-source-route>
        <record-route-host>
          <ip-address>
            ip-address
          </ip-address>
          <host-name>
            host-name
          </host-name>
        </record-route-host>
      </strict-source-route>
    </ip-options>
  </probe-result>
</hop>

```

```
</ip-options>
</probe-result>
</hop>
```

**Description** Host entry in the record route

### <record-route-host>

#### Usage

```
<traceroute-results>
<hop>
<probe-result>
<ip-options>
<record-route>
<record-route-host>
<ip-address>
  ip-address
</ip-address>
<host-name>
  host-name
</host-name>
</record-route-host>
</record-route>
</ip-options>
</probe-result>
</hop>
</traceroute-results>
```

**Description** Host entry in the record route

### <record-route-host>

#### Usage

```
<traceroute-results>
<hop>
<probe-result>
<ip-options>
<loose-source-route>
<record-route-host>
<ip-address>
  ip-address
</ip-address>
<host-name>
  host-name
</host-name>
</record-route-host>
</loose-source-route>
</ip-options>
</probe-result>
</hop>
</traceroute-results>
```

**Description** Host entry in the record route

### <record-route-host>

**Usage**

```
<traceroute-results>
<hop>
  <probe-result>
    <ip-options>
      <strict-source-route>
        <record-route-host>
          <ip-address>
            ip-address
          </ip-address>
          <host-name>
            host-name
          </host-name>
        </record-route-host>
      </strict-source-route>
    </ip-options>
  </probe-result>
</hop>
</traceroute-results>
```

**Description** Host entry in the record route

### <strict-source-route>

**Usage**

```
<ip-options>
  <strict-source-route>
    <record-route-host>....</record-route-host>
  </strict-source-route>
</ip-options>
```

**Description** Strict source route (SSRR) IP option

### <strict-source-route>

**Usage**

```
<probe-result>
  <ip-options>
    <strict-source-route>
      <record-route-host>....</record-route-host>
    </strict-source-route>
  </ip-options>
</probe-result>
```

**Description** Strict source route (SSRR) IP option

### <strict-source-route>

#### Usage

```
<ping-results>
  <probe-result>
    <ip-options>
      <strict-source-route>
        <record-route-host>....</record-route-host>
      </strict-source-route>
    </ip-options>
  </probe-result>
</ping-results>
```

**Description** Strict source route (SSRR) IP option

### <strict-source-route>

#### Usage

```
<hop>
  <probe-result>
    <ip-options>
      <strict-source-route>
        <record-route-host>....</record-route-host>
      </strict-source-route>
    </ip-options>
  </probe-result>
</hop>
```

**Description** Strict source route (SSRR) IP option

### <strict-source-route>

#### Usage

```
<traceroute-results>
  <hop>
    <probe-result>
      <ip-options>
        <strict-source-route>
          <record-route-host>....</record-route-host>
        </strict-source-route>
      </ip-options>
    </probe-result>
  </hop>
</traceroute-results>
```

**Description** Strict source route (SSRR) IP option

**<traceroute-results>****Usage**

```

<traceroute-results>
  <target-host>
    target-host
  </target-host>
  <source>
    source
  </source>
  <target-ip>
    target-ip
  </target-ip>
  <packet-size>
    packet-size
  </packet-size>
  <max-hop-index>
    max-hop-index
  </max-hop-index>
  <hop>....</hop>
  <traceroute-success>
    traceroute-success
  </traceroute-success>
  <traceroute-failure>
    traceroute-failure
  </traceroute-failure>
</traceroute-results>

```

**Description****<vpls-ping-results-summary>****Usage**

```

<vpls-ping-results-summary>
  <lsping-packets-transmitted>
    lsping-packets-transmitted
  </lsping-packets-transmitted>
  <lsping-packets-received>
    lsping-packets-received
  </lsping-packets-received>
  <lsping-packet-loss>
    lsping-packet-loss
  </lsping-packet-loss>
  <lsping-error-packets>
    lsping-error-packets
  </lsping-error-packets>
</vpls-ping-results-summary>

```

**Description** Summary of vpls ping probe results

## <vpls-ping-results-summary>

### Usage

```
<lsping-results>
  <vpls-ping-results-summary>
    <lsping-packets-transmitted>
      lsping-packets-transmitted
    </lsping-packets-transmitted>
    <lsping-packets-received>
      lsping-packets-received
    </lsping-packets-received>
    <lsping-packet-loss>
      lsping-packet-loss
    </lsping-packet-loss>
    <lsping-error-packets>
      lsping-error-packets
    </lsping-error-packets>
  </vpls-ping-results-summary>
</lsping-results>
```

**Description** Summary of vpls ping probe results

---

## Summary of System Process Information Response Tags

### <command-line-argument>

#### Usage

```
<command-line-argument-list>
  <command-line-argument>
    <argument-index>
      argument-index
    </argument-index>
    <argument>
      argument
    </argument>
  </command-line-argument>
</command-line-argument-list>
```

#### Description

### <command-line-argument>

#### Usage

```
<process>
  <command-line-argument-list>
    <command-line-argument>
      <argument-index>
        argument-index
      </argument-index>
      <argument>
        argument
      </argument>
    </command-line-argument>
  </command-line-argument-list>
```

```

    </command-line-argument>
  </command-line-argument-list>
</process>

```

#### Description

### <command-line-argument>

#### Usage

```

<process-information>
  <process>
    <command-line-argument-list>
      <command-line-argument>
        <argument-index>
          argument-index
        </argument-index>
        <argument>
          argument
        </argument>
      </command-line-argument>
    </command-line-argument-list>
  </process>
</process-information>

```

#### Description

### <command-line-argument-list>

#### Usage

```

<command-line-argument-list>
  <command-line-argument>.....</command-line-argument>
</command-line-argument-list>

```

**Description** List of arguments that were passed to the command

### <command-line-argument-list>

#### Usage

```

<process>
  <command-line-argument-list>
    <command-line-argument>.....</command-line-argument>
  </command-line-argument-list>
</process>

```

**Description** List of arguments that were passed to the command

### <command-line-argument-list>

#### Usage

```

<process-information>
  <process>

```

```

    <command-line-argument-list>
      <command-line-argument>....</command-line-argument>
    </command-line-argument-list>
  </process>
</process-information>

```

**Description** List of arguments that were passed to the command

## <memory-statistics>

### Usage

```

<memory-statistics>
  <memory-load>
    memory-load
  </memory-load>
  <virtual-size>
    virtual-size
  </virtual-size>
  <resident-set-size>
    resident-set-size
  </resident-set-size>
  <resident-set-before-swap>
    resident-set-before-swap
  </resident-set-before-swap>
  <text-size>
    text-size
  </text-size>
  <data-size>
    data-size
  </data-size>
  <stack-size>
    stack-size
  </stack-size>
</memory-statistics>

```

**Description** Memory usage statistics for the process

## <memory-statistics>

### Usage

```

<process>
  <memory-statistics>
    <memory-load>
      memory-load
    </memory-load>
    <virtual-size>
      virtual-size
    </virtual-size>
    <resident-set-size>
      resident-set-size
    </resident-set-size>
    <resident-set-before-swap>

```



```

        resident-set-before-swap
      </resident-set-before-swap>
    <text-size>
      text-size
    </text-size>
    <data-size>
      data-size
    </data-size>
    <stack-size>
      stack-size
    </stack-size>
  </memory-statistics>
</process>

```

**Description** Memory usage statistics for the process

### <memory-statistics>

#### Usage

```

<process-information>
  <process>
    <memory-statistics>
      <memory-load>
        memory-load
      </memory-load>
      <virtual-size>
        virtual-size
      </virtual-size>
      <resident-set-size>
        resident-set-size
      </resident-set-size>
      <resident-set-before-swap>
        resident-set-before-swap
      </resident-set-before-swap>
      <text-size>
        text-size
      </text-size>
      <data-size>
        data-size
      </data-size>
      <stack-size>
        stack-size
      </stack-size>
    </memory-statistics>
  </process>
</process-information>

```

**Description** Memory usage statistics for the process

## &lt;process&gt;

## Usage

```
<process>
  <process-id>
    process-id
  </process-id>
  <name>
    name
  </name>
  <alias>
    alias
  </alias>
  <external-identifier>
    external-identifier
  </external-identifier>
  <primary-instance>
    primary-instance
  </primary-instance>
  <login-id>
    login-id
  </login-id>
  <start-time>
    start-time
  </start-time>
  <parent-process-id>
    parent-process-id
  </parent-process-id>
  <process-group-id>
    process-group-id
  </process-group-id>
  <command>
    command
  </command>
  <command-line-argument-list>....</command-line-argument-list>
  <terminal-device>
    terminal-device
  </terminal-device>
  <priority>
    priority
  </priority>
  <nice>
    nice
  </nice>
  <process-status>
    process-status
  </process-status>
  <process-flags>....</process-flags>
  <sleep-information>....</sleep-information>
  <resource-usage>....</resource-usage>
  <memory-statistics>....</memory-statistics>
</process>
```

**Description** Information about a running process

## &lt;process&gt;

## Usage

```

<process-information>
  <process>
    <process-id>
      process-id
    </process-id>
    <name>
      name
    </name>
    <alias>
      alias
    </alias>
    <external-identifier>
      external-identifier
    </external-identifier>
    <primary-instance>
      primary-instance
    </primary-instance>
    <login-id>
      login-id
    </login-id>
    <start-time>
      start-time
    </start-time>
    <parent-process-id>
      parent-process-id
    </parent-process-id>
    <process-group-id>
      process-group-id
    </process-group-id>
    <command>
      command
    </command>
    <command-line-argument-list>....</command-line-argument-list>
    <terminal-device>
      terminal-device
    </terminal-device>
    <priority>
      priority
    </priority>
    <nice>
      nice
    </nice>
    <process-status>
      process-status
    </process-status>
    <process-flags>....</process-flags>
    <sleep-information>....</sleep-information>
    <resource-usage>....</resource-usage>
    <memory-statistics>....</memory-statistics>
  </process>
</process-information>

```

**Description** Information about a running process

## <process-flags>

### Usage

```
<process-flags>
  <interruptible>
    interruptible
  </interruptible>
  <advisory-lock>
    advisory-lock
  </advisory-lock>
  <controlling-terminal>
    controlling-terminal
  </controlling-terminal>
  <in-memory>
    in-memory
  </in-memory>
  <wait-child>
    wait-child
  </wait-child>
  <profiling>
    profiling
  </profiling>
  <select>
    select
  </select>
  <set-id-privileges>
    set-id-privileges
  </set-id-privileges>
  <system-process>
    system-process
  </system-process>
  <timing-out>
    timing-out
  </timing-out>
  <debug-trace>
    debug-trace
  </debug-trace>
  <debug-wait>
    debug-wait
  </debug-wait>
  <exiting>
    exiting
  </exiting>
  <exec>
    exec
  </exec>
</process-flags>
```

**Description** Process flags

**<process-flags>****Usage**

```

<process>
  <process-flags>
    <interruptible>
      interruptible
    </interruptible>
    <advisory-lock>
      advisory-lock
    </advisory-lock>
    <controlling-terminal>
      controlling-terminal
    </controlling-terminal>
    <in-memory>
      in-memory
    </in-memory>
    <wait-child>
      wait-child
    </wait-child>
    <profiling>
      profiling
    </profiling>
    <select>
      select
    </select>
    <set-id-privileges>
      set-id-privileges
    </set-id-privileges>
    <system-process>
      system-process
    </system-process>
    <timing-out>
      timing-out
    </timing-out>
    <debug-trace>
      debug-trace
    </debug-trace>
    <debug-wait>
      debug-wait
    </debug-wait>
    <exiting>
      exiting
    </exiting>
    <exec>
      exec
    </exec>
  </process-flags>
</process>

```

**Description**    Process flags

## &lt;process-flags&gt;

## Usage

```
<process-information>
<process>
  <process-flags>
    <interruptible>
      interruptible
    </interruptible>
    <advisory-lock>
      advisory-lock
    </advisory-lock>
    <controlling-terminal>
      controlling-terminal
    </controlling-terminal>
    <in-memory>
      in-memory
    </in-memory>
    <wait-child>
      wait-child
    </wait-child>
    <profiling>
      profiling
    </profiling>
    <select>
      select
    </select>
    <set-id-privileges>
      set-id-privileges
    </set-id-privileges>
    <system-process>
      system-process
    </system-process>
    <timing-out>
      timing-out
    </timing-out>
    <debug-trace>
      debug-trace
    </debug-trace>
    <debug-wait>
      debug-wait
    </debug-wait>
    <exiting>
      exiting
    </exiting>
    <exec>
      exec
    </exec>
  </process-flags>
</process>
</process-information>
```

**Description**    Process flags

**<process-information>****Usage**

```

<process-information>
  <scale-information>....</scale-information>
  <process>....</process>
  <system-information>....</system-information>
</process-information>

```

**Description** Information about running processes

**<resource-usage>****Usage**

```

<resource-usage>
  <cpu-load>
    cpu-load
  </cpu-load>
  <user-time>
    user-time
  </user-time>
  <system-time>
    system-time
  </system-time>
  <maximum-resident-set>
    maximum-resident-set
  </maximum-resident-set>
  <page-reclaims>
    page-reclaims
  </page-reclaims>
  <page-faults>
    page-faults
  </page-faults>
  <swaps>
    swaps
  </swaps>
  <block-input-operation>
    block-input-operation
  </block-input-operation>
  <block-output-operation>
    block-output-operation
  </block-output-operation>
  <messages-sent>
    messages-sent
  </messages-sent>
  <messages-received>
    messages-received
  </messages-received>
  <signals>
    signals
  </signals>
  <voluntary-context-switch>
    voluntary-context-switch

```

```
</voluntary-context-switch>
<involuntary-context-switch>
  involuntary-context-switch
</involuntary-context-switch>
</resource-usage>
```

**Description** Resource usage statistics for the process

## <resource-usage>

### Usage

```
<process>
  <resource-usage>
    <cpu-load>
      cpu-load
    </cpu-load>
    <user-time>
      user-time
    </user-time>
    <system-time>
      system-time
    </system-time>
    <maximum-resident-set>
      maximum-resident-set
    </maximum-resident-set>
    <page-reclaims>
      page-reclaims
    </page-reclaims>
    <page-faults>
      page-faults
    </page-faults>
    <swaps>
      swaps
    </swaps>
    <block-input-operation>
      block-input-operation
    </block-input-operation>
    <block-output-operation>
      block-output-operation
    </block-output-operation>
    <messages-sent>
      messages-sent
    </messages-sent>
    <messages-received>
      messages-received
    </messages-received>
    <signals>
      signals
    </signals>
    <voluntary-context-switch>
      voluntary-context-switch
    </voluntary-context-switch>
    <involuntary-context-switch>
      involuntary-context-switch
```



```

    </involuntary-context-switch>
  </resource-usage>
</process>

```

**Description** Resource usage statistics for the process

## <resource-usage>

### Usage

```

<process-information>
  <process>
    <resource-usage>
      <cpu-load>
        cpu-load
      </cpu-load>
      <user-time>
        user-time
      </user-time>
      <system-time>
        system-time
      </system-time>
      <maximum-resident-set>
        maximum-resident-set
      </maximum-resident-set>
      <page-reclaims>
        page-reclaims
      </page-reclaims>
      <page-faults>
        page-faults
      </page-faults>
      <swaps>
        swaps
      </swaps>
      <block-input-operation>
        block-input-operation
      </block-input-operation>
      <block-output-operation>
        block-output-operation
      </block-output-operation>
      <messages-sent>
        messages-sent
      </messages-sent>
      <messages-received>
        messages-received
      </messages-received>
      <signals>
        signals
      </signals>
      <voluntary-context-switch>
        voluntary-context-switch
      </voluntary-context-switch>
      <involuntary-context-switch>
        involuntary-context-switch
      </involuntary-context-switch>
    </resource-usage>
  </process>
</process-information>

```

```

    </resource-usage>
  </process>
</process-information>

```

**Description** Resource usage statistics for the process

## <scale-information>

### Usage

```

<scale-information>
  <memory-page-size>
    memory-page-size
  </memory-page-size>
  <physical-memory-pages>
    physical-memory-pages
  </physical-memory-pages>
</scale-information>

```

**Description** Information about values used in computing scales for this report

## <scale-information>

### Usage

```

<process-information>
  <scale-information>
    <memory-page-size>
      memory-page-size
    </memory-page-size>
    <physical-memory-pages>
      physical-memory-pages
    </physical-memory-pages>
  </scale-information>
</process-information>

```

**Description** Information about values used in computing scales for this report

## <sleep-information>

### Usage

```

<sleep-information>
  <reason>
    reason
  </reason>
  <address>
    address
  </address>
</sleep-information>

```

### Description

## <sleep-information>

### Usage

```
<process>
  <sleep-information>
    <reason>
      reason
    </reason>
    <address>
      address
    </address>
  </sleep-information>
</process>
```

### Description

## <sleep-information>

### Usage

```
<process-information>
  <process>
    <sleep-information>
      <reason>
        reason
      </reason>
      <address>
        address
      </address>
    </sleep-information>
  </process>
</process-information>
```

### Description

## <system-cpu-states>

### Usage

```
<system-cpu-states>
  <cpu-total-time>
    cpu-total-time
  </cpu-total-time>
  <cpu-user-time>
    cpu-user-time
  </cpu-user-time>
  <cpu-user-time-percent>
    cpu-user-time-percent
  </cpu-user-time-percent>
  <cpu-nice-time>
    cpu-nice-time
  </cpu-nice-time>
  <cpu-nice-time-percent>
    cpu-nice-time-percent
  </cpu-nice-time-percent>
```

```
<cpu-system-time>
  cpu-system-time
</cpu-system-time>
<cpu-system-time-percent>
  cpu-system-time-percent
</cpu-system-time-percent>
<cpu-interrupts-time>
  cpu-interrupts-time
</cpu-interrupts-time>
<cpu-interrupts-time-percent>
  cpu-interrupts-time-percent
</cpu-interrupts-time-percent>
<cpu-idle-time>
  cpu-idle-time
</cpu-idle-time>
<cpu-idle-time-percent>
  cpu-idle-time-percent
</cpu-idle-time-percent>
</system-cpu-states>
```

**Description**    Process state information

### <system-cpu-states>

#### Usage

```
<system-information>
  <system-cpu-states>
    <cpu-total-time>
      cpu-total-time
    </cpu-total-time>
    <cpu-user-time>
      cpu-user-time
    </cpu-user-time>
    <cpu-user-time-percent>
      cpu-user-time-percent
    </cpu-user-time-percent>
    <cpu-nice-time>
      cpu-nice-time
    </cpu-nice-time>
    <cpu-nice-time-percent>
      cpu-nice-time-percent
    </cpu-nice-time-percent>
    <cpu-system-time>
      cpu-system-time
    </cpu-system-time>
    <cpu-system-time-percent>
      cpu-system-time-percent
    </cpu-system-time-percent>
    <cpu-interrupts-time>
      cpu-interrupts-time
    </cpu-interrupts-time>
    <cpu-interrupts-time-percent>
      cpu-interrupts-time-percent
    </cpu-interrupts-time-percent>
```

```

    <cpu-idle-time>
      cpu-idle-time
    </cpu-idle-time>
    <cpu-idle-time-percent>
      cpu-idle-time-percent
    </cpu-idle-time-percent>
  </system-cpu-states>
</system-information>

```

**Description** Process state information

### <system-cpu-states>

#### Usage

```

<process-information>
  <system-information>
    <system-cpu-states>
      <cpu-total-time>
        cpu-total-time
      </cpu-total-time>
      <cpu-user-time>
        cpu-user-time
      </cpu-user-time>
      <cpu-user-time-percent>
        cpu-user-time-percent
      </cpu-user-time-percent>
      <cpu-nice-time>
        cpu-nice-time
      </cpu-nice-time>
      <cpu-nice-time-percent>
        cpu-nice-time-percent
      </cpu-nice-time-percent>
      <cpu-system-time>
        cpu-system-time
      </cpu-system-time>
      <cpu-system-time-percent>
        cpu-system-time-percent
      </cpu-system-time-percent>
      <cpu-interrupts-time>
        cpu-interrupts-time
      </cpu-interrupts-time>
      <cpu-interrupts-time-percent>
        cpu-interrupts-time-percent
      </cpu-interrupts-time-percent>
      <cpu-idle-time>
        cpu-idle-time
      </cpu-idle-time>
      <cpu-idle-time-percent>
        cpu-idle-time-percent
      </cpu-idle-time-percent>
    </system-cpu-states>
  </system-information>
</process-information>

```

**Description**    Process state information

## <system-information>

### Usage

```
<system-information>
  <system-hardware-cpu-architecture>
    system-hardware-cpu-architecture
  </system-hardware-cpu-architecture>
  <system-hardware-cpu-model>
    system-hardware-cpu-model
  </system-hardware-cpu-model>
  <system-hardware-cpu-count>
    system-hardware-cpu-count
  </system-hardware-cpu-count>
  <system-boot-device>
    system-boot-device
  </system-boot-device>
  <system-boot-next-device>
    system-boot-next-device
  </system-boot-next-device>
  <system-hardware-physical-memory>
    system-hardware-physical-memory
  </system-hardware-physical-memory>
  <system-hardware-user-memory>
    system-hardware-user-memory
  </system-hardware-user-memory>
  <system-hardware-page-size>
    system-hardware-page-size
  </system-hardware-page-size>
  <system-virtual-memory-page-size>
    system-virtual-memory-page-size
  </system-virtual-memory-page-size>
  <system-hardware-page-available>
    system-hardware-page-available
  </system-hardware-page-available>
  <system-hardware-routing-engine-name>
    system-hardware-routing-engine-name
  </system-hardware-routing-engine-name>
  <system-hardware-routing-engine-model>
    system-hardware-routing-engine-model
  </system-hardware-routing-engine-model>
  <system-hardware-routing-engine-serial-number>
    system-hardware-routing-engine-serial-number
  </system-hardware-routing-engine-serial-number>
  <system-hardware-routing-engine-other-present>
    system-hardware-routing-engine-other-present
  </system-hardware-routing-engine-other-present>
  <system-hardware-routing-engine-other-alive>
    system-hardware-routing-engine-other-alive
  </system-hardware-routing-engine-other-alive>
  <system-virtual-memory-swap-enabled>
    system-virtual-memory-swap-enabled
  </system-virtual-memory-swap-enabled>
  <system-virtual-memory-context-switches>
```

```
    system-virtual-memory-context-switches
  </system-virtual-memory-context-switches>
  <system-virtual-memory-trap>
    system-virtual-memory-trap
  </system-virtual-memory-trap>
  <system-virtual-memory-syscall>
    system-virtual-memory-syscall
  </system-virtual-memory-syscall>
  <system-virtual-memory-hard-interrupts>
    system-virtual-memory-hard-interrupts
  </system-virtual-memory-hard-interrupts>
  <system-virtual-memory-soft-interrupts>
    system-virtual-memory-soft-interrupts
  </system-virtual-memory-soft-interrupts>
  <system-virtual-memory-faults>
    system-virtual-memory-faults
  </system-virtual-memory-faults>
  <system-virtual-memory-copy-on-write-faults>
    system-virtual-memory-copy-on-write-faults
  </system-virtual-memory-copy-on-write-faults>
  <system-virtual-memory-copy-on-write-optimized>
    system-virtual-memory-copy-on-write-optimized
  </system-virtual-memory-copy-on-write-optimized>
  <system-virtual-memory-zeroed-pages>
    system-virtual-memory-zeroed-pages
  </system-virtual-memory-zeroed-pages>
  <system-virtual-memory-zeroed-pages-optimized>
    system-virtual-memory-zeroed-pages-optimized
  </system-virtual-memory-zeroed-pages-optimized>
  <system-virtual-memory-swapin>
    system-virtual-memory-swapin
  </system-virtual-memory-swapin>
  <system-virtual-memory-swapout>
    system-virtual-memory-swapout
  </system-virtual-memory-swapout>
  <system-virtual-memory-swapped-in-pages>
    system-virtual-memory-swapped-in-pages
  </system-virtual-memory-swapped-in-pages>
  <system-virtual-memory-swapped-out-pages>
    system-virtual-memory-swapped-out-pages
  </system-virtual-memory-swapped-out-pages>
  <system-virtual-memory-reactivated-pages>
    system-virtual-memory-reactivated-pages
  </system-virtual-memory-reactivated-pages>
  <system-virtual-memory-vnode-in>
    system-virtual-memory-vnode-in
  </system-virtual-memory-vnode-in>
  <system-virtual-memory-vnode-out>
    system-virtual-memory-vnode-out
  </system-virtual-memory-vnode-out>
  <system-virtual-memory-vnode-page-ins>
    system-virtual-memory-vnode-page-ins
  </system-virtual-memory-vnode-page-ins>
  <system-virtual-memory-vnode-page-outs>
    system-virtual-memory-vnode-page-outs
  </system-virtual-memory-vnode-page-outs>
```

```
<system-virtual-memory-pager-wakes>
  system-virtual-memory-pager-wakes
</system-virtual-memory-pager-wakes>
<system-virtual-memory-pager-scans>
  system-virtual-memory-pager-scans
</system-virtual-memory-pager-scans>
<system-virtual-memory-page-count>
  system-virtual-memory-page-count
</system-virtual-memory-page-count>
<system-virtual-memory-free-reserved>
  system-virtual-memory-free-reserved
</system-virtual-memory-free-reserved>
<system-virtual-memory-free-minimum>
  system-virtual-memory-free-minimum
</system-virtual-memory-free-minimum>
<system-virtual-memory-free-pages>
  system-virtual-memory-free-pages
</system-virtual-memory-free-pages>
<system-virtual-memory-wired-pages>
  system-virtual-memory-wired-pages
</system-virtual-memory-wired-pages>
<system-virtual-memory-active-pages>
  system-virtual-memory-active-pages
</system-virtual-memory-active-pages>
<system-virtual-memory-cache-pages>
  system-virtual-memory-cache-pages
</system-virtual-memory-cache-pages>
<system-virtual-memory-cache-pages-minimum>
  system-virtual-memory-cache-pages-minimum
</system-virtual-memory-cache-pages-minimum>
<system-virtual-memory-cache-pages-maximum>
  system-virtual-memory-cache-pages-maximum
</system-virtual-memory-cache-pages-maximum>

<system-virtual-memory-load-averages>....</system-virtual-memory-load-averages>

<system-last-pid>
  system-last-pid
</system-last-pid>
<system-process-counts>....</system-process-counts>
<system-cpu-states>....</system-cpu-states>
</system-information>
```

**Description** Information about the system

## <system-information>

### Usage

```
<process-information>
<system-information>
  <system-hardware-cpu-architecture>
    system-hardware-cpu-architecture
  </system-hardware-cpu-architecture>
  <system-hardware-cpu-model>
```



```
    system-hardware-cpu-model
</system-hardware-cpu-model>
<system-hardware-cpu-count>
    system-hardware-cpu-count
</system-hardware-cpu-count>
<system-boot-device>
    system-boot-device
</system-boot-device>
<system-boot-next-device>
    system-boot-next-device
</system-boot-next-device>
<system-hardware-physical-memory>
    system-hardware-physical-memory
</system-hardware-physical-memory>
<system-hardware-user-memory>
    system-hardware-user-memory
</system-hardware-user-memory>
<system-hardware-page-size>
    system-hardware-page-size
</system-hardware-page-size>
<system-virtual-memory-page-size>
    system-virtual-memory-page-size
</system-virtual-memory-page-size>
<system-hardware-page-available>
    system-hardware-page-available
</system-hardware-page-available>
<system-hardware-routing-engine-name>
    system-hardware-routing-engine-name
</system-hardware-routing-engine-name>
<system-hardware-routing-engine-model>
    system-hardware-routing-engine-model
</system-hardware-routing-engine-model>
<system-hardware-routing-engine-serial-number>
    system-hardware-routing-engine-serial-number
</system-hardware-routing-engine-serial-number>
<system-hardware-routing-engine-other-present>
    system-hardware-routing-engine-other-present
</system-hardware-routing-engine-other-present>
<system-hardware-routing-engine-other-alive>
    system-hardware-routing-engine-other-alive
</system-hardware-routing-engine-other-alive>
<system-virtual-memory-swap-enabled>
    system-virtual-memory-swap-enabled
</system-virtual-memory-swap-enabled>
<system-virtual-memory-context-switches>
    system-virtual-memory-context-switches
</system-virtual-memory-context-switches>
<system-virtual-memory-trap>
    system-virtual-memory-trap
</system-virtual-memory-trap>
<system-virtual-memory-syscall>
    system-virtual-memory-syscall
</system-virtual-memory-syscall>
<system-virtual-memory-hard-interrupts>
    system-virtual-memory-hard-interrupts
</system-virtual-memory-hard-interrupts>
```

```
<system-virtual-memory-soft-interrupts>
  system-virtual-memory-soft-interrupts
</system-virtual-memory-soft-interrupts>
<system-virtual-memory-faults>
  system-virtual-memory-faults
</system-virtual-memory-faults>
<system-virtual-memory-copy-on-write-faults>
  system-virtual-memory-copy-on-write-faults
</system-virtual-memory-copy-on-write-faults>
<system-virtual-memory-copy-on-write-optimized>
  system-virtual-memory-copy-on-write-optimized
</system-virtual-memory-copy-on-write-optimized>
<system-virtual-memory-zeroed-pages>
  system-virtual-memory-zeroed-pages
</system-virtual-memory-zeroed-pages>
<system-virtual-memory-zeroed-pages-optimized>
  system-virtual-memory-zeroed-pages-optimized
</system-virtual-memory-zeroed-pages-optimized>
<system-virtual-memory-swapin>
  system-virtual-memory-swapin
</system-virtual-memory-swapin>
<system-virtual-memory-swapout>
  system-virtual-memory-swapout
</system-virtual-memory-swapout>
<system-virtual-memory-swapped-in-pages>
  system-virtual-memory-swapped-in-pages
</system-virtual-memory-swapped-in-pages>
<system-virtual-memory-swapped-out-pages>
  system-virtual-memory-swapped-out-pages
</system-virtual-memory-swapped-out-pages>
<system-virtual-memory-reactivated-pages>
  system-virtual-memory-reactivated-pages
</system-virtual-memory-reactivated-pages>
<system-virtual-memory-vnode-in>
  system-virtual-memory-vnode-in
</system-virtual-memory-vnode-in>
<system-virtual-memory-vnode-out>
  system-virtual-memory-vnode-out
</system-virtual-memory-vnode-out>
<system-virtual-memory-vnode-page-ins>
  system-virtual-memory-vnode-page-ins
</system-virtual-memory-vnode-page-ins>
<system-virtual-memory-vnode-page-outs>
  system-virtual-memory-vnode-page-outs
</system-virtual-memory-vnode-page-outs>
<system-virtual-memory-pager-wakes>
  system-virtual-memory-pager-wakes
</system-virtual-memory-pager-wakes>
<system-virtual-memory-pager-scans>
  system-virtual-memory-pager-scans
</system-virtual-memory-pager-scans>
<system-virtual-memory-page-count>
  system-virtual-memory-page-count
</system-virtual-memory-page-count>
<system-virtual-memory-free-reserved>
  system-virtual-memory-free-reserved
```

```

</system-virtual-memory-free-reserved>
<system-virtual-memory-free-minimum>
  system-virtual-memory-free-minimum
</system-virtual-memory-free-minimum>
<system-virtual-memory-free-pages>
  system-virtual-memory-free-pages
</system-virtual-memory-free-pages>
<system-virtual-memory-wired-pages>
  system-virtual-memory-wired-pages
</system-virtual-memory-wired-pages>
<system-virtual-memory-active-pages>
  system-virtual-memory-active-pages
</system-virtual-memory-active-pages>
<system-virtual-memory-cache-pages>
  system-virtual-memory-cache-pages
</system-virtual-memory-cache-pages>
<system-virtual-memory-cache-pages-minimum>
  system-virtual-memory-cache-pages-minimum
</system-virtual-memory-cache-pages-minimum>
<system-virtual-memory-cache-pages-maximum>
  system-virtual-memory-cache-pages-maximum
</system-virtual-memory-cache-pages-maximum>

<system-virtual-memory-load-averages>....</system-virtual-memory-load-averages>

<system-last-pid>
  system-last-pid
</system-last-pid>
<system-process-counts>....</system-process-counts>
<system-cpu-states>....</system-cpu-states>
</system-information>
</process-information>

```

**Description** Information about the system

## <system-process-counts>

### Usage

```

<system-process-counts>
<process-total>
  process-total
</process-total>
<process-run>
  process-run
</process-run>
<process-sleep>
  process-sleep
</process-sleep>
<process-start>
  process-start
</process-start>
<process-stop>
  process-stop
</process-stop>

```

```
<process-zombie>
  process-zombie
</process-zombie>
</system-process-counts>
```

**Description**    Number of processes on system

### <system-process-counts>

#### Usage

```
<system-information>
  <system-process-counts>
    <process-total>
      process-total
    </process-total>
    <process-run>
      process-run
    </process-run>
    <process-sleep>
      process-sleep
    </process-sleep>
    <process-start>
      process-start
    </process-start>
    <process-stop>
      process-stop
    </process-stop>
    <process-zombie>
      process-zombie
    </process-zombie>
  </system-process-counts>
</system-information>
```

**Description**    Number of processes on system

### <system-process-counts>

#### Usage

```
<process-information>
  <system-information>
    <system-process-counts>
      <process-total>
        process-total
      </process-total>
      <process-run>
        process-run
      </process-run>
      <process-sleep>
        process-sleep
      </process-sleep>
      <process-start>
        process-start
```

```

</process-start>
<process-stop>
  process-stop
</process-stop>
<process-zombie>
  process-zombie
</process-zombie>
</system-process-counts>
</system-information>
</process-information>

```

**Description** Number of processes on system

### <system-virtual-memory-load-averages>

#### Usage

```

<system-virtual-memory-load-averages>
  <load-average-one-minute>
    load-average-one-minute
  </load-average-one-minute>
  <load-average-five-minute>
    load-average-five-minute
  </load-average-five-minute>
  <load-average-fifteen-minute>
    load-average-fifteen-minute
  </load-average-fifteen-minute>
</system-virtual-memory-load-averages>

```

**Description** Load averages

### <system-virtual-memory-load-averages>

#### Usage

```

<system-information>
  <system-virtual-memory-load-averages>
    <load-average-one-minute>
      load-average-one-minute
    </load-average-one-minute>
    <load-average-five-minute>
      load-average-five-minute
    </load-average-five-minute>
    <load-average-fifteen-minute>
      load-average-fifteen-minute
    </load-average-fifteen-minute>
  </system-virtual-memory-load-averages>
</system-information>

```

**Description** Load averages

## <system-virtual-memory-load-averages>

### Usage

```
<process-information>
  <system-information>
    <system-virtual-memory-load-averages>
      <load-average-one-minute>
        load-average-one-minute
      </load-average-one-minute>
      <load-average-five-minute>
        load-average-five-minute
      </load-average-five-minute>
      <load-average-fifteen-minute>
        load-average-fifteen-minute
      </load-average-fifteen-minute>
    </system-virtual-memory-load-averages>
  </system-information>
</process-information>
```

**Description**    Load averages

## Summary of Product Metadata Response Tags

---

### <product>

### Usage

```
<product>
  <model>
    model
  </model>
  <product-number>
    product-number
  </product-number>
  <series>
    series
  </series>
  <product-line>
    product-line
  </product-line>
  <name>
    name
  </name>
  <description>
    description
  </description>
  <flag>
    flag
  </flag>
  <max-fpc-per-router>
    max-fpc-per-router
  </max-fpc-per-router>
  <max-fpc-per-chassis>
    max-fpc-per-chassis
  </max-fpc-per-chassis>
```

```

</max-fpc-per-chassis>
<max-pics-per-slot>
  max-pics-per-slot
</max-pics-per-slot>
<max-sfm>
  max-sfm
</max-sfm>
<max-pfe-per-slot>
  max-pfe-per-slot
</max-pfe-per-slot>
<max-re>
  max-re
</max-re>
<max-chassis>
  max-chassis
</max-chassis>
<max-symb-per-chassis>
  max-symb-per-chassis
</max-symb-per-chassis>
<max-sib-per-chassis>
  max-sib-per-chassis
</max-sib-per-chassis>
<max-pem-per-chassis>
  max-pem-per-chassis
</max-pem-per-chassis>
<max-fwd-classes>
  max-fwd-classes
</max-fwd-classes>
<defaults>
  defaults
</defaults>
<factory>
  factory
</factory>
</product>

```

**Description** Information about a product

## <product>

### Usage

```

<product-metadata-information>
  <product>
    <model>
      model
    </model>
    <product-number>
      product-number
    </product-number>
    <series>
      series
    </series>
    <product-line>
      product-line

```

```
</product-line>
<name>
  name
</name>
<description>
  description
</description>
<flag>
  flag
</flag>
<max-fpc-per-router>
  max-fpc-per-router
</max-fpc-per-router>
<max-fpc-per-chassis>
  max-fpc-per-chassis
</max-fpc-per-chassis>
<max-pics-per-slot>
  max-pics-per-slot
</max-pics-per-slot>
<max-sfm>
  max-sfm
</max-sfm>
<max-pfe-per-slot>
  max-pfe-per-slot
</max-pfe-per-slot>
<max-re>
  max-re
</max-re>
<max-chassis>
  max-chassis
</max-chassis>
<max-spm-per-chassis>
  max-spm-per-chassis
</max-spm-per-chassis>
<max-sib-per-chassis>
  max-sib-per-chassis
</max-sib-per-chassis>
<max-pem-per-chassis>
  max-pem-per-chassis
</max-pem-per-chassis>
<max-fwd-classes>
  max-fwd-classes
</max-fwd-classes>
<defaults>
  defaults
</defaults>
<factory>
  factory
</factory>
</product>
</product-metadata-information>
```

**Description** Information about a product



### <product-metadata-information>

**Usage**

```
<product-metadata-information>
  <product>....</product>
</product-metadata-information>
```

**Description** Information on one or more products

---

## Summary of R2CP Deamon Response Tags

### <r2cp-clear-result>

**Usage**

```
<r2cp-clear-result>
</r2cp-clear-result>
```

**Description**

### <r2cp-counters>

**Usage**

```
<r2cp-counters>
  <r2cp-node-counters>....</r2cp-node-counters>
  <r2cp-session-counters>....</r2cp-session-counters>
</r2cp-counters>
```

**Description**

### <r2cp-iflctl>

**Usage**

```
<r2cp-iflctl>
  <iflctl-name>
    iflctl-name
  </iflctl-name>
  <node-count>
    node-count
  </node-count>
</r2cp-iflctl>
```

**Description**

### <r2cp-iflctl>

**Usage**

```
<r2cp-iflctl-information>
  <r2cp-iflctl>
    <iflctl-name>
      iflctl-name
    </iflctl-name>
  </r2cp-iflctl>
</r2cp-iflctl-information>
```

```
</iflctl-name>
<node-count>
  node-count
</node-count>
</r2cp-iflctl>
</r2cp-iflctl-information>
```

#### Description

### <r2cp-iflctl-information>

#### Usage

```
<r2cp-iflctl-information>
  <r2cp-iflctl>....</r2cp-iflctl>
</r2cp-iflctl-information>
```

#### Description

### <r2cp-ifldata>

#### Usage

```
<r2cp-ifldata>
  <ifldata-name>
    ifldata-name
  </ifldata-name>
</r2cp-ifldata>
```

#### Description

### <r2cp-ifldata>

#### Usage

```
<r2cp-ifldata-information>
  <r2cp-ifldata>
    <ifldata-name>
      ifldata-name
    </ifldata-name>
  </r2cp-ifldata>
</r2cp-ifldata-information>
```

#### Description

### <r2cp-ifldata-information>

#### Usage

```
<r2cp-ifldata-information>
  <r2cp-ifldata>....</r2cp-ifldata>
</r2cp-ifldata-information>
```

#### Description

## <r2cp-node>

### Usage

```
<r2cp-node>
  <node-name>
    node-name
  </node-name>
  <node-client-address>
    node-client-address
  </node-client-address>
  <node-client-port>
    node-client-port
  </node-client-port>
  <node-sessions>
    node-sessions
  </node-sessions>
  <node-uptime>
    node-uptime
  </node-uptime>
  <node-status>
    node-status
  </node-status>
  <node-hbinterval>
    node-hbinterval
  </node-hbinterval>
  <node-hbtime>
    node-hbtime
  </node-hbtime>
</r2cp-node>
```

### Description

## <r2cp-node>

### Usage

```
<r2cp-node-information>
  <r2cp-node>
    <node-name>
      node-name
    </node-name>
    <node-client-address>
      node-client-address
    </node-client-address>
    <node-client-port>
      node-client-port
    </node-client-port>
    <node-sessions>
      node-sessions
    </node-sessions>
    <node-uptime>
      node-uptime
    </node-uptime>
    <node-status>
      node-status
```

```
</node-status>
<node-hbinterval>
  node-hbinterval
</node-hbinterval>
<node-hbtime>
  node-hbtime
</node-hbtime>
</r2cp-node>
</r2cp-node-information>
```

## Description

### <r2cp-node-counters>

#### Usage

```
<r2cp-node-counters>
  <mim-recv>
    mim-recv
  </mim-recv>
  <heartbeat-recv>
    heartbeat-recv
  </heartbeat-recv>
  <nterm-recv>
    nterm-recv
  </nterm-recv>
  <nterm-ack-recv>
    nterm-ack-recv
  </nterm-ack-recv>
  <rom-sent>
    rom-sent
  </rom-sent>
  <heartbeat-sent>
    heartbeat-sent
  </heartbeat-sent>
  <nterm-sent>
    nterm-sent
  </nterm-sent>
  <nterm-ack-sent>
    nterm-ack-sent
  </nterm-ack-sent>
  <mim-err>
    mim-err
  </mim-err>
  <heartbeat-err>
    heartbeat-err
  </heartbeat-err>
  <nterm-err>
    nterm-err
  </nterm-err>
  <nterm-ack-err>
    nterm-ack-err
  </nterm-ack-err>
  <heartbeat-tmo>
    heartbeat-tmo
  </heartbeat-tmo>
```

	<pre> &lt;nterm-tmo&gt;   nterm-tmo &lt;/nterm-tmo&gt; &lt;/r2cp-node-counters&gt; </pre>
<b>Description</b>	
<b>&lt;r2cp-node-counters&gt;</b>	
<b>Usage</b>	<pre> &lt;r2cp-counters&gt;   &lt;r2cp-node-counters&gt;     &lt;mim-recv&gt;       mim-recv     &lt;/mim-recv&gt;     &lt;heartbeat-recv&gt;       heartbeat-recv     &lt;/heartbeat-recv&gt;     &lt;nterm-recv&gt;       nterm-recv     &lt;/nterm-recv&gt;     &lt;nterm-ack-recv&gt;       nterm-ack-recv     &lt;/nterm-ack-recv&gt;     &lt;rom-sent&gt;       rom-sent     &lt;/rom-sent&gt;     &lt;heartbeat-sent&gt;       heartbeat-sent     &lt;/heartbeat-sent&gt;     &lt;nterm-sent&gt;       nterm-sent     &lt;/nterm-sent&gt;     &lt;nterm-ack-sent&gt;       nterm-ack-sent     &lt;/nterm-ack-sent&gt;     &lt;mim-err&gt;       mim-err     &lt;/mim-err&gt;     &lt;heartbeat-err&gt;       heartbeat-err     &lt;/heartbeat-err&gt;     &lt;nterm-err&gt;       nterm-err     &lt;/nterm-err&gt;     &lt;nterm-ack-err&gt;       nterm-ack-err     &lt;/nterm-ack-err&gt;     &lt;heartbeat-tmo&gt;       heartbeat-tmo     &lt;/heartbeat-tmo&gt;     &lt;nterm-tmo&gt;       nterm-tmo     &lt;/nterm-tmo&gt;   &lt;/r2cp-node-counters&gt; </pre>

</r2cp-counters>

#### Description

### <r2cp-node-information>

#### Usage

```
<r2cp-node-information>
  <r2cp-node>....</r2cp-node>
</r2cp-node-information>
```

#### Description

### <r2cp-session>

#### Usage

```
<r2cp-session>
  <session-id>
    session-id
  </session-id>
  <vc-id>
    vc-id
  </vc-id>
  <mac-address>
    mac-address
  </mac-address>
  <uptime>
    uptime
  </uptime>
  <vlan-ids>
    vlan-ids
  </vlan-ids>
  <term-vlan-ids>
    term-vlan-ids
  </term-vlan-ids>
  <packets-out>
    packets-out
  </packets-out>
  <session-status>
    session-status
  </session-status>
  <r2cp-session-update>....</r2cp-session-update>
  <r2cp-session-bandwidth>....</r2cp-session-bandwidth>
</r2cp-session>
```

#### Description

### <r2cp-session>

#### Usage

```
<r2cp-session-information>
  <r2cp-session>
    <session-id>
```

```

    session-id
  </session-id>
  <vc-id>
    vc-id
  </vc-id>
  <mac-address>
    mac-address
  </mac-address>
  <uptime>
    uptime
  </uptime>
  <vlan-ids>
    vlan-ids
  </vlan-ids>
  <term-vlan-ids>
    term-vlan-ids
  </term-vlan-ids>
  <packets-out>
    packets-out
  </packets-out>
  <session-status>
    session-status
  </session-status>
  <r2cp-session-update>....</r2cp-session-update>
  <r2cp-session-bandwidth>....</r2cp-session-bandwidth>
</r2cp-session>
</r2cp-session-information>

```

#### Description

#### <r2cp-session-bandwidth>

##### Usage

```

<r2cp-session>
  <r2cp-session-bandwidth>
    <effective-bandwidth>
      effective-bandwidth
    </effective-bandwidth>
    <last-change>
      last-change
    </last-change>
    <below-threshold>
      below-threshold
    </below-threshold>
  </r2cp-session-bandwidth>
</r2cp-session>

```

#### Description

#### <r2cp-session-bandwidth>

##### Usage

```

<r2cp-session-information>
  <r2cp-session>

```

```
<r2cp-session-bandwidth>
  <effective-bandwidth>
    effective-bandwidth
  </effective-bandwidth>
  <last-change>
    last-change
  </last-change>
  <below-threshold>
    below-threshold
  </below-threshold>
</r2cp-session-bandwidth>
</r2cp-session>
</r2cp-session-information>
```

## Description

### <r2cp-session-counters>

#### Usage

```
<r2cp-session-counters>
  <sin-recv>
    sin-recv
  </sin-recv>
  <sup-recv>
    sup-recv
  </sup-recv>
  <sterm-recv>
    sterm-recv
  </sterm-recv>
  <sterm-ack-recv>
    sterm-ack-recv
  </sterm-ack-recv>
  <sin-ack-sent>
    sin-ack-sent
  </sin-ack-sent>
  <sterm-sent>
    sterm-sent
  </sterm-sent>
  <sterm-ack-sent>
    sterm-ack-sent
  </sterm-ack-sent>
  <sin-err>
    sin-err
  </sin-err>
  <sup-err>
    sup-err
  </sup-err>
  <sterm-err>
    sterm-err
  </sterm-err>
  <sterm-ack-err>
    sterm-ack-err
  </sterm-ack-err>
  <sterm-tmo>
    sterm-tmo
```



```

</sterm-tmo>
</r2cp-session-counters>

```

## Description

<r2cp-session-counters>

## Usage

```

<r2cp-counters>
<r2cp-session-counters>
  <sin-recv>
    sin-recv
  </sin-recv>
  <sup-recv>
    sup-recv
  </sup-recv>
  <sterm-recv>
    sterm-recv
  </sterm-recv>
  <sterm-ack-recv>
    sterm-ack-recv
  </sterm-ack-recv>
  <sin-ack-sent>
    sin-ack-sent
  </sin-ack-sent>
  <sterm-sent>
    sterm-sent
  </sterm-sent>
  <sterm-ack-sent>
    sterm-ack-sent
  </sterm-ack-sent>
  <sin-err>
    sin-err
  </sin-err>
  <sup-err>
    sup-err
  </sup-err>
  <sterm-err>
    sterm-err
  </sterm-err>
  <sterm-ack-err>
    sterm-ack-err
  </sterm-ack-err>
  <sterm-tmo>
    sterm-tmo
  </sterm-tmo>
</r2cp-session-counters>
</r2cp-counters>

```

## Description

## <r2cp-session-information>

### Usage

```
<r2cp-session-information>
  <r2cp-session>.....</r2cp-session>
  <r2cp-session-update>.....</r2cp-session-update>
</r2cp-session-information>
```

### Description

## <r2cp-session-update>

### Usage

```
<r2cp-session>
  <r2cp-session-update>
    <last-received>
      last-received
    </last-received>
    <current-bandwidth>
      current-bandwidth
    </current-bandwidth>
    <max-bandwidth>
      max-bandwidth
    </max-bandwidth>
    <quality>
      quality
    </quality>
    <resources>
      resources
    </resources>
    <latency>
      latency
    </latency>
  </r2cp-session-update>
</r2cp-session>
```

**Description** Late processed Session Update message

## <r2cp-session-update>

### Usage

```
<r2cp-session-information>
  <r2cp-session>
    <r2cp-session-update>
      <last-received>
        last-received
      </last-received>
      <current-bandwidth>
        current-bandwidth
      </current-bandwidth>
      <max-bandwidth>
        max-bandwidth
      </max-bandwidth>
```

```
<quality>
  quality
</quality>
<resources>
  resources
</resources>
<latency>
  latency
</latency>
</r2cp-session-update>
</r2cp-session>
</r2cp-session-information>
```

**Description** Late processed Session Update message

### <r2cp-session-update>

#### Usage

```
<r2cp-session-information>
  <r2cp-session-update>
    <last-received>
      last-received
    </last-received>
    <current-bandwidth>
      current-bandwidth
    </current-bandwidth>
    <max-bandwidth>
      max-bandwidth
    </max-bandwidth>
    <quality>
      quality
    </quality>
    <resources>
      resources
    </resources>
    <latency>
      latency
    </latency>
  </r2cp-session-update>
</r2cp-session-information>
```

**Description** Late processed Session Update message

### <r2cp-version>

#### Usage

```
<r2cp-version>
</r2cp-version>
```

#### Description

## Summary of Redundant Interfaces Response Tags

---

### <interface-load-balancing>

#### Usage

```
<interface-load-balancing>
  <interface-name>
    interface-name
  </interface-name>
  <state>
    state
  </state>
  <last-change>
    last-change
  </last-change>
  <member-count>
    member-count
  </member-count>
</interface-load-balancing>
```

#### Description

### <interface-load-balancing>

#### Usage

```
<interface-load-balancing-information>
  <interface-load-balancing>
    <interface-name>
      interface-name
    </interface-name>
    <state>
      state
    </state>
    <last-change>
      last-change
    </last-change>
    <member-count>
      member-count
    </member-count>
  </interface-load-balancing>
</interface-load-balancing-information>
```

#### Description

### <interface-load-balancing-detail>

#### Usage

```
<interface-load-balancing-detail>
  <interface-name>
    interface-name
  </interface-name>
  <state>
    state
```

```
</state>
<last-change>
  last-change
</last-change>
<member-count>
  member-count
</member-count>
</interface-load-balancing-detail>
```

#### Description

### <interface-load-balancing-detail>

#### Usage

```
<interface-load-balancing-detail-information>
  <interface-load-balancing-detail>
    <interface-name>
      interface-name
    </interface-name>
    <state>
      state
    </state>
    <last-change>
      last-change
    </last-change>
    <member-count>
      member-count
    </member-count>
  </interface-load-balancing-detail>
</interface-load-balancing-detail-information>
```

#### Description

### <interface-load-balancing-detail-information>

#### Usage

```
<interface-load-balancing-detail-information>
  <interface-load-balancing-detail>....</interface-load-balancing-detail>

  <interface-load-balancing-member-detail>....</interface-load-balancing-member-detail>

</interface-load-balancing-detail-information>
```

#### Description

### <interface-load-balancing-information>

#### Usage

```
<interface-load-balancing-information>
  <interface-load-balancing>....</interface-load-balancing>
</interface-load-balancing-information>
```

**Description****<interface-load-balancing-member-detail>****Usage**

```
<interface-load-balancing-member-detail>
  <member-interface-name>
    member-interface-name
  </member-interface-name>
  <member-weight>
    member-weight
  </member-weight>
  <member-state>
    member-state
  </member-state>
</interface-load-balancing-member-detail>
```

**Description****<interface-load-balancing-member-detail>****Usage**

```
<interface-load-balancing-detail-information>
  <interface-load-balancing-member-detail>
    <member-interface-name>
      member-interface-name
    </member-interface-name>
    <member-weight>
      member-weight
    </member-weight>
    <member-state>
      member-state
    </member-state>
  </interface-load-balancing-member-detail>
</interface-load-balancing-detail-information>
```

**Description****<interface-redundancy>****Usage**

```
<interface-redundancy>
  <interface-name>
    interface-name
  </interface-name>
  <state>
    state
  </state>
  <last-change>
    last-change
  </last-change>
  <primary>
    primary
  </primary>
```

```
<secondary>
  secondary
</secondary>
<current-status>
  current-status
</current-status>
</interface-redundancy>
```

#### Description

### <interface-redundancy>

#### Usage

```
<interface-redundancy-information>
  <interface-redundancy>
    <interface-name>
      interface-name
    </interface-name>
    <state>
      state
    </state>
    <last-change>
      last-change
    </last-change>
    <primary>
      primary
    </primary>
    <secondary>
      secondary
    </secondary>
    <current-status>
      current-status
    </current-status>
  </interface-redundancy>
</interface-redundancy-information>
```

#### Description

### <interface-redundancy-detail>

#### Usage

```
<interface-redundancy-detail>
  <interface-name>
    interface-name
  </interface-name>
  <state>
    state
  </state>
  <last-change>
    last-change
  </last-change>
  <primary>
    primary
  </primary>
```

```
<secondary>
  secondary
</secondary>
<current-status>
  current-status
</current-status>
<mode>
  mode
</mode>
<replication-state>
  replication-state
</replication-state>
</interface-redundancy-detail>
```

#### Description

### <interface-redundancy-detail>

#### Usage

```
<interface-redundancy-detail-information>
  <interface-redundancy-detail>
    <interface-name>
      interface-name
    </interface-name>
    <state>
      state
    </state>
    <last-change>
      last-change
    </last-change>
    <primary>
      primary
    </primary>
    <secondary>
      secondary
    </secondary>
    <current-status>
      current-status
    </current-status>
    <mode>
      mode
    </mode>
    <replication-state>
      replication-state
    </replication-state>
  </interface-redundancy-detail>
</interface-redundancy-detail-information>
```

#### Description

### <interface-redundancy-detail-information>

#### Usage

```
<interface-redundancy-detail-information>
```



```
<interface-redundancy-detail>....</interface-redundancy-detail>
</interface-redundancy-detail-information>
```

#### Description

### <interface-redundancy-information>

#### Usage

```
<interface-redundancy-information>
  <interface-redundancy>....</interface-redundancy>
</interface-redundancy-information>
```

#### Description

## Summary of Relay Response Tags

---

### <relay-group>

#### Usage

```
<relay-group>
  <relay-vks-group>....</relay-vks-group>
</relay-group>
```

#### Description

### <relay-group-information>

#### Usage

```
<relay-group>
  <relay-vks-group>
    <relay-group-information>
      <group-id>
        group-id
      </group-id>
      <group-state>
        group-state
      </group-state>
      <group-type>
        group-type
      </group-type>
      <group-member-count>
        group-member-count
      </group-member-count>
      <message-total>
        message-total
      </message-total>
      <message-total-size>
        message-total-size
      </message-total-size>
      <message-pending>
        message-pending
      </message-pending>
      <message-pending-size>
```

```
        message-pending-size
      </message-pending-size>
    <socket-full-count>
      socket-full-count
    </socket-full-count>
  </relay-group-information>
</relay-vks-group>
</relay-group>
```

**Description** Relay group information

### <relay-information>

#### Usage

```
<relay-information>
  <relay-state>
    relay-state
  </relay-state>
  <relay-server-information>....</relay-server-information>
</relay-information>
```

**Description** Relay information

### <relay-member>

#### Usage

```
<relay-member>
  <relay-member-vks>....</relay-member-vks>
</relay-member>
```

**Description** Relay group member information

### <relay-member-information>

#### Usage

```
<relay-member>
  <relay-member-vks>
  <relay-member-information>
    <member-name>
      member-name
    </member-name>
    <member-local-index>
      member-local-index
    </member-local-index>
    <member-state>
      member-state
    </member-state>
    <message-total>
      message-total
    </message-total>
    <message-total-size>
```

```

    message-total-size
  </message-total-size>
  <message-pending>
    message-pending
  </message-pending>
  <message-pending-size>
    message-pending-size
  </message-pending-size>
  <reverse-message-total>
    reverse-message-total
  </reverse-message-total>
  <reverse-message-total-size>
    reverse-message-total-size
  </reverse-message-total-size>
  <reverse-message-pending>
    reverse-message-pending
  </reverse-message-pending>
  <reverse-message-pending-size>
    reverse-message-pending-size
  </reverse-message-pending-size>
  <socket-full-count>
    socket-full-count
  </socket-full-count>
</relay-member-information>
</relay-member-vks>
</relay-member>

```

#### Description

**<relay-member-vks>**

#### Usage

```

<relay-member>
  <relay-member-vks>
    <relay-vks>
      relay-vks
    </relay-vks>
    <relay-member-information>....</relay-member-information>
  </relay-member-vks>
</relay-member>

```

#### Description

**<relay-server-information>**

#### Usage

```

<relay-server-information>
  <relay-vks>
    relay-vks
  </relay-vks>
  <relay-server-name>
    relay-server-name
  </relay-server-name>
  <protocol-name>

```

```
    protocol-name
  </protocol-name>
  <connection-state>
    connection-state
  </connection-state>
  <group-count>
    group-count
  </group-count>
</relay-server-information>
```

**Description** Relay server information

### <relay-server-information>

#### Usage

```
<relay-information>
  <relay-server-information>
    <relay-vks>
      relay-vks
    </relay-vks>
    <relay-server-name>
      relay-server-name
    </relay-server-name>
    <protocol-name>
      protocol-name
    </protocol-name>
    <connection-state>
      connection-state
    </connection-state>
    <group-count>
      group-count
    </group-count>
  </relay-server-information>
</relay-information>
```

**Description** Relay server information

### <relay-vks-group>

#### Usage

```
<relay-group>
  <relay-vks-group>
    <relay-vks>
      relay-vks
    </relay-vks>
    <relay-group-information>....</relay-group-information>
  </relay-vks-group>
</relay-group>
```

**Description**

## Summary of Resource Cleanup Response Tags

### <cleanup-resources>

#### Usage

```
<system-resource-cleanup-processes-information>
  <process-resource-cleanup>
    <cleanup-resources>
      <resource>....</resource>
    </cleanup-resources>
  </process-resource-cleanup>
</system-resource-cleanup-processes-information>
```

**Description** Resources that can be cleaned up

### <process-resource-cleanup>

#### Usage

```
<system-resource-cleanup-processes-information>
  <process-resource-cleanup>
    <pid>
      pid
    </pid>
    <process-name>
      process-name
    </process-name>
    <cleanup-resources>....</cleanup-resources>
  </process-resource-cleanup>
</system-resource-cleanup-processes-information>
```

**Description** Resource clean up information for a process

### <resource>

#### Usage

```
<system-resource-cleanup-processes-information>
  <process-resource-cleanup>
    <cleanup-resources>
      <resource>
        <type>
          type
        </type>
        <major-number>
          major-number
        </major-number>
        <minor-number>
          minor-number
        </minor-number>
        <id>
          id
        </id>
```

```
<key>
  key
</key>
</resource>
</cleanup-resources>
</process-resource-cleanup>
</system-resource-cleanup-processes-information>
```

**Description** Resource information

### <resource-type>

**Usage**

```
<system-resource-cleanup-resources-information>
  <resource-type>
    <type>
      type
    </type>
  </resource-type>
</system-resource-cleanup-resources-information>
```

**Description** Type of resource

### <system-resource-cleanup-processes-information>

**Usage**

```
<system-resource-cleanup-processes-information>
  <process-resource-cleanup>....</process-resource-cleanup>
</system-resource-cleanup-processes-information>
```

**Description** Resource clean up information for one or more processes

### <system-resource-cleanup-resources-information>

**Usage**

```
<system-resource-cleanup-resources-information>
  <resource-type>....</resource-type>
</system-resource-cleanup-resources-information>
```

**Description** Resources types that can be cleaned up

---

## Summary of Routing Protocols Response Tags

### <accepted-prefix-limit>

**Usage**

```
<bgp-option-information>
  <accepted-prefix-limit>
    <nlrp-type>
```

```

    nlri-type
  </nlri-type>
  <prefix-count>
    prefix-count
  </prefix-count>
  <limit-action>
    limit-action
  </limit-action>
  <warning-percentage>
    warning-percentage
  </warning-percentage>
</accepted-prefix-limit>
</bgp-option-information>

```

**Description** Limit number of prefixes accepted by policy

### <accepted-prefix-limit>

#### Usage

```

<bgp-peer>
  <bgp-option-information>
    <accepted-prefix-limit>
      <nlri-type>
        nlri-type
      </nlri-type>
      <prefix-count>
        prefix-count
      </prefix-count>
      <limit-action>
        limit-action
      </limit-action>
      <warning-percentage>
        warning-percentage
      </warning-percentage>
    </accepted-prefix-limit>
  </bgp-option-information>
</bgp-peer>

```

**Description** Limit number of prefixes accepted by policy

### <accepted-prefix-limit>

#### Usage

```

<bgp-group>
  <bgp-peer>
    <bgp-option-information>
      <accepted-prefix-limit>
        <nlri-type>
          nlri-type
        </nlri-type>
        <prefix-count>
          prefix-count

```

```
</prefix-count>
<limit-action>
  limit-action
</limit-action>
<warning-percentage>
  warning-percentage
</warning-percentage>
</accepted-prefix-limit>
</bgp-option-information>
</bgp-peer>
</bgp-group>
```

**Description** Limit number of prefixes accepted by policy

### <accepted-prefix-limit>

#### Usage

```
<bgp-group>
  <bgp-option-information>
    <accepted-prefix-limit>
      <nlr-type>
        nlri-type
      </nlr-type>
      <prefix-count>
        prefix-count
      </prefix-count>
      <limit-action>
        limit-action
      </limit-action>
      <warning-percentage>
        warning-percentage
      </warning-percentage>
    </accepted-prefix-limit>
  </bgp-option-information>
</bgp-group>
```

**Description** Limit number of prefixes accepted by policy

### <accepted-prefix-limit>

#### Usage

```
<bgp-information>
  <bgp-peer>
    <bgp-option-information>
      <accepted-prefix-limit>
        <nlr-type>
          nlri-type
        </nlr-type>
        <prefix-count>
          prefix-count
        </prefix-count>
        <limit-action>
```



```

        limit-action
      </limit-action>
    <warning-percentage>
      warning-percentage
    </warning-percentage>
  </accepted-prefix-limit>
</bgp-option-information>
</bgp-peer>
</bgp-information>

```

**Description** Limit number of prefixes accepted by policy

### <accepted-prefix-limit>

#### Usage

```

<bgp-group-information>
  <bgp-group>
    <bgp-peer>
      <bgp-option-information>
        <accepted-prefix-limit>
          <nlr-type>
            nlri-type
          </nlri-type>
          <prefix-count>
            prefix-count
          </prefix-count>
          <limit-action>
            limit-action
          </limit-action>
          <warning-percentage>
            warning-percentage
          </warning-percentage>
        </accepted-prefix-limit>
      </bgp-option-information>
    </bgp-peer>
  </bgp-group>
</bgp-group-information>

```

**Description** Limit number of prefixes accepted by policy

### <accepted-prefix-limit>

#### Usage

```

<bgp-group-information>
  <bgp-group>
    <bgp-option-information>
      <accepted-prefix-limit>
        <nlr-type>
          nlri-type
        </nlri-type>
        <prefix-count>
          prefix-count

```

```
</prefix-count>
<limit-action>
  limit-action
</limit-action>
<warning-percentage>
  warning-percentage
</warning-percentage>
</accepted-prefix-limit>
</bgp-option-information>
</bgp-group>
</bgp-group-information>
```

**Description** Limit number of prefixes accepted by policy

### <accepted-prefix-limit>

#### Usage

```
<bgp-group-information>
<bgp-information>
<bgp-peer>
  <bgp-option-information>
    <accepted-prefix-limit>
      <nlrri-type>
        nlri-type
      </nlri-type>
      <prefix-count>
        prefix-count
      </prefix-count>
      <limit-action>
        limit-action
      </limit-action>
      <warning-percentage>
        warning-percentage
      </warning-percentage>
    </accepted-prefix-limit>
  </bgp-option-information>
</bgp-peer>
</bgp-information>
</bgp-group-information>
```

**Description** Limit number of prefixes accepted by policy

### <addpath-receive>

#### Usage

```
<bgp-option-information>
<addpath-receive>
  <nlrri-type>
    nlri-type
  </nlri-type>
  <addpath-receive-type>
    addpath-receive-type
```

```

    </addpath-receive-type>
  </addpath-receive>
</bgp-option-information>

```

**Description****<addpath-receive>****Usage**

```

<bgp-peer>
  <bgp-option-information>
    <addpath-receive>
      <nlri-type>
        nlri-type
      </nlri-type>
      <addpath-receive-type>
        addpath-receive-type
      </addpath-receive-type>
    </addpath-receive>
  </bgp-option-information>
</bgp-peer>

```

**Description****<addpath-receive>****Usage**

```

<bgp-group>
  <bgp-peer>
    <bgp-option-information>
      <addpath-receive>
        <nlri-type>
          nlri-type
        </nlri-type>
        <addpath-receive-type>
          addpath-receive-type
        </addpath-receive-type>
      </addpath-receive>
    </bgp-option-information>
  </bgp-peer>
</bgp-group>

```

**Description****<addpath-receive>****Usage**

```

<bgp-group>
  <bgp-option-information>
    <addpath-receive>
      <nlri-type>
        nlri-type
      </nlri-type>

```

```
<addpath-receive-type>
  addpath-receive-type
</addpath-receive-type>
</addpath-receive>
</bgp-option-information>
</bgp-group>
```

#### Description

### <addpath-receive>

#### Usage

```
<bgp-information>
  <bgp-peer>
    <bgp-option-information>
      <addpath-receive>
        <nlri-type>
          nlri-type
        </nlri-type>
        <addpath-receive-type>
          addpath-receive-type
        </addpath-receive-type>
      </addpath-receive>
    </bgp-option-information>
  </bgp-peer>
</bgp-information>
```

#### Description

### <addpath-receive>

#### Usage

```
<bgp-group-information>
  <bgp-group>
    <bgp-peer>
      <bgp-option-information>
        <addpath-receive>
          <nlri-type>
            nlri-type
          </nlri-type>
          <addpath-receive-type>
            addpath-receive-type
          </addpath-receive-type>
        </addpath-receive>
      </bgp-option-information>
    </bgp-peer>
  </bgp-group>
</bgp-group-information>
```

#### Description

**<addpath-receive>****Usage**

```

<bgp-group-information>
  <bgp-group>
    <bgp-option-information>
      <addpath-receive>
        <nlri-type>
          nlri-type
        </nlri-type>
        <addpath-receive-type>
          addpath-receive-type
        </addpath-receive-type>
      </addpath-receive>
    </bgp-option-information>
  </bgp-group>
</bgp-group-information>

```

**Description****<addpath-receive>****Usage**

```

<bgp-group-information>
  <bgp-information>
    <bgp-peer>
      <bgp-option-information>
        <addpath-receive>
          <nlri-type>
            nlri-type
          </nlri-type>
          <addpath-receive-type>
            addpath-receive-type
          </addpath-receive-type>
        </addpath-receive>
      </bgp-option-information>
    </bgp-peer>
  </bgp-information>
</bgp-group-information>

```

**Description****<addpath-send>****Usage**

```

<bgp-option-information>
  <addpath-send>
    <nlri-type>
      nlri-type
    </nlri-type>
    <addpath-send-type>
      addpath-send-type
    </addpath-send-type>

```

```
<addpath-send-count>
  addpath-send-count
</addpath-send-count>
<addpath-send-policy>
  addpath-send-policy
</addpath-send-policy>
</addpath-send>
</bgp-option-information>
```

## Description

### <addpath-send>

#### Usage

```
<bgp-peer>
<bgp-option-information>
  <addpath-send>
    <nlri-type>
      nlri-type
    </nlri-type>
    <addpath-send-type>
      addpath-send-type
    </addpath-send-type>
    <addpath-send-count>
      addpath-send-count
    </addpath-send-count>
    <addpath-send-policy>
      addpath-send-policy
    </addpath-send-policy>
  </addpath-send>
</bgp-option-information>
</bgp-peer>
```

## Description

### <addpath-send>

#### Usage

```
<bgp-group>
<bgp-peer>
<bgp-option-information>
  <addpath-send>
    <nlri-type>
      nlri-type
    </nlri-type>
    <addpath-send-type>
      addpath-send-type
    </addpath-send-type>
    <addpath-send-count>
      addpath-send-count
    </addpath-send-count>
    <addpath-send-policy>
      addpath-send-policy
    </addpath-send-policy>
```

```

    </addpath-send>
  </bgp-option-information>
</bgp-peer>
</bgp-group>

```

#### Description

#### <addpath-send>

#### Usage

```

<bgp-group>
  <bgp-option-information>
    <addpath-send>
      <nlri-type>
        nlri-type
      </nlri-type>
      <addpath-send-type>
        addpath-send-type
      </addpath-send-type>
      <addpath-send-count>
        addpath-send-count
      </addpath-send-count>
      <addpath-send-policy>
        addpath-send-policy
      </addpath-send-policy>
    </addpath-send>
  </bgp-option-information>
</bgp-group>

```

#### Description

#### <addpath-send>

#### Usage

```

<bgp-information>
  <bgp-peer>
    <bgp-option-information>
      <addpath-send>
        <nlri-type>
          nlri-type
        </nlri-type>
        <addpath-send-type>
          addpath-send-type
        </addpath-send-type>
        <addpath-send-count>
          addpath-send-count
        </addpath-send-count>
        <addpath-send-policy>
          addpath-send-policy
        </addpath-send-policy>
      </addpath-send>
    </bgp-option-information>
  </bgp-peer>

```

</bgp-information>

#### Description

<addpath-send>

#### Usage

```
<bgp-group-information>
<bgp-group>
  <bgp-peer>
    <bgp-option-information>
      <addpath-send>
        <nlri-type>
          nlri-type
        </nlri-type>
        <addpath-send-type>
          addpath-send-type
        </addpath-send-type>
        <addpath-send-count>
          addpath-send-count
        </addpath-send-count>
        <addpath-send-policy>
          addpath-send-policy
        </addpath-send-policy>
      </addpath-send>
    </bgp-option-information>
  </bgp-peer>
</bgp-group>
</bgp-group-information>
```

#### Description

<addpath-send>

#### Usage

```
<bgp-group-information>
<bgp-group>
  <bgp-option-information>
    <addpath-send>
      <nlri-type>
        nlri-type
      </nlri-type>
      <addpath-send-type>
        addpath-send-type
      </addpath-send-type>
      <addpath-send-count>
        addpath-send-count
      </addpath-send-count>
      <addpath-send-policy>
        addpath-send-policy
      </addpath-send-policy>
    </addpath-send>
  </bgp-option-information>
</bgp-group>
```



```
</bgp-group-information>
```

#### Description

#### <addpath-send>

#### Usage

```
<bgp-group-information>
<bgp-information>
  <bgp-peer>
    <bgp-option-information>
      <addpath-send>
        <nlri-type>
          nlri-type
        </nlri-type>
        <addpath-send-type>
          addpath-send-type
        </addpath-send-type>
        <addpath-send-count>
          addpath-send-count
        </addpath-send-count>
        <addpath-send-policy>
          addpath-send-policy
        </addpath-send-policy>
      </addpath-send>
    </bgp-option-information>
  </bgp-peer>
</bgp-information>
</bgp-group-information>
```

#### Description

#### <admin-groups>

#### Usage

```
<admin-groups>
  <color>
    color
  </color>
  <no-group-flag>
    no-group-flag
  </no-group-flag>
  <admin-group-name>
    admin-group-name
  </admin-group-name>
  <admin-group-number>
    admin-group-number
  </admin-group-number>
</admin-groups>
```

#### Description

## <admin-groups>

### Usage

```
<isis-tlv>
  <reachability-tlv>
    <isis-reachability-subtlv>
      <admin-groups>
        <color>
          color
        </color>
        <no-group-flag>
          no-group-flag
        </no-group-flag>
        <admin-group-name>
          admin-group-name
        </admin-group-name>
        <admin-group-number>
          admin-group-number
        </admin-group-number>
      </admin-groups>
    </isis-reachability-subtlv>
  </reachability-tlv>
</isis-tlv>
```

### Description

## <admin-groups>

### Usage

```
<isis-tlv>
  <isis-reachability-subtlv>
    <admin-groups>
      <color>
        color
      </color>
      <no-group-flag>
        no-group-flag
      </no-group-flag>
      <admin-group-name>
        admin-group-name
      </admin-group-name>
      <admin-group-number>
        admin-group-number
      </admin-group-number>
    </admin-groups>
  </isis-reachability-subtlv>
</isis-tlv>
```

### Description

## <admin-groups>

### Usage

```
<isis-database-entry>
  <isis-tlv>
    <reachability-tlv>
      <isis-reachability-subtlv>
        <admin-groups>
          <color>
            color
          </color>
          <no-group-flag>
            no-group-flag
          </no-group-flag>
          <admin-group-name>
            admin-group-name
          </admin-group-name>
          <admin-group-number>
            admin-group-number
          </admin-group-number>
        </admin-groups>
      </isis-reachability-subtlv>
    </reachability-tlv>
  </isis-tlv>
</isis-database-entry>
```

### Description

## <admin-groups>

### Usage

```
<isis-database-entry>
  <isis-tlv>
    <isis-reachability-subtlv>
      <admin-groups>
        <color>
          color
        </color>
        <no-group-flag>
          no-group-flag
        </no-group-flag>
        <admin-group-name>
          admin-group-name
        </admin-group-name>
        <admin-group-number>
          admin-group-number
        </admin-group-number>
      </admin-groups>
    </isis-reachability-subtlv>
  </isis-tlv>
</isis-database-entry>
```

### Description

## <admin-groups>

### Usage

```
<isis-database>
<isis-database-entry>
<isis-tlv>
  <reachability-tlv>
    <isis-reachability-subtlv>
      <admin-groups>
        <color>
          color
        </color>
        <no-group-flag>
          no-group-flag
        </no-group-flag>
        <admin-group-name>
          admin-group-name
        </admin-group-name>
        <admin-group-number>
          admin-group-number
        </admin-group-number>
      </admin-groups>
    </isis-reachability-subtlv>
  </reachability-tlv>
</isis-tlv>
</isis-database-entry>
</isis-database>
```

### Description

## <admin-groups>

### Usage

```
<isis-database>
<isis-database-entry>
<isis-tlv>
  <isis-reachability-subtlv>
    <admin-groups>
      <color>
        color
      </color>
      <no-group-flag>
        no-group-flag
      </no-group-flag>
      <admin-group-name>
        admin-group-name
      </admin-group-name>
      <admin-group-number>
        admin-group-number
      </admin-group-number>
    </admin-groups>
  </isis-reachability-subtlv>
</isis-tlv>
</isis-database-entry>
```

```
</isis-database>
```

#### Description

**<admin-groups>**

#### Usage

```
<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <reachability-tlv>
          <isis-reachability-subtlv>
            <admin-groups>
              <color>
                color
              </color>
              <no-group-flag>
                no-group-flag
              </no-group-flag>
              <admin-group-name>
                admin-group-name
              </admin-group-name>
              <admin-group-number>
                admin-group-number
              </admin-group-number>
            </admin-groups>
          </isis-reachability-subtlv>
        </reachability-tlv>
      </isis-tlv>
    </isis-database-entry>
  </isis-database>
</isis-database-information>
```

#### Description

**<admin-groups>**

#### Usage

```
<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <isis-reachability-subtlv>
          <admin-groups>
            <color>
              color
            </color>
            <no-group-flag>
              no-group-flag
            </no-group-flag>
            <admin-group-name>
              admin-group-name
            </admin-group-name>
```

```
<admin-group-number>
  admin-group-number
</admin-group-number>
</admin-groups>
</isis-reachability-subtlv>
</isis-tlv>
</isis-database-entry>
</isis-database>
</isis-database-information>
```

## Description

### <admin-groups>

#### Usage

```
<rsvp-session-data>
<rsvp-session>
<mpls-lsp>
  <admin-groups>
    <color>
      color
    </color>
    <no-group-flag>
      no-group-flag
    </no-group-flag>
    <admin-group-name>
      admin-group-name
    </admin-group-name>
    <admin-group-number>
      admin-group-number
    </admin-group-number>
  </admin-groups>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
```

## Description

### <admin-groups>

#### Usage

```
<rsvp-session-data>
<rsvp-session>
<mpls-lsp>
  <mpls-lsp-path>
    <admin-groups>
      <color>
        color
      </color>
      <no-group-flag>
        no-group-flag
      </no-group-flag>
      <admin-group-name>
        admin-group-name
```

```

        </admin-group-name>
        <admin-group-number>
        admin-group-number
        </admin-group-number>
    </admin-groups>
</mpls-lsp-path>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>

```

## Description

### <admin-groups>

#### Usage

```

<rsvp-session>
<mpls-lsp>
  <admin-groups>
    <color>
    color
    </color>
    <no-group-flag>
    no-group-flag
    </no-group-flag>
    <admin-group-name>
    admin-group-name
    </admin-group-name>
    <admin-group-number>
    admin-group-number
    </admin-group-number>
  </admin-groups>
</mpls-lsp>
</rsvp-session>

```

## Description

### <admin-groups>

#### Usage

```

<rsvp-session>
<mpls-lsp>
  <mpls-lsp-path>
    <admin-groups>
      <color>
      color
      </color>
      <no-group-flag>
      no-group-flag
      </no-group-flag>
      <admin-group-name>
      admin-group-name
      </admin-group-name>
      <admin-group-number>
      admin-group-number
    </admin-groups>
  </mpls-lsp-path>
</mpls-lsp>
</rsvp-session>

```

```
        </admin-group-number>
      </admin-groups>
    </mpls-lsp-path>
  </mpls-lsp>
</rsvp-session>
```

#### Description

### <admin-groups>

#### Usage

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <admin-groups>
          <color>
            color
          </color>
          <no-group-flag>
            no-group-flag
          </no-group-flag>
          <admin-group-name>
            admin-group-name
          </admin-group-name>
          <admin-group-number>
            admin-group-number
          </admin-group-number>
        </admin-groups>
      </mpls-lsp>
    </rsvp-session>
  </rsvp-session-data>
</rsvp-session-information>
```

#### Description

### <admin-groups>

#### Usage

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <mpls-lsp-path>
          <admin-groups>
            <color>
              color
            </color>
            <no-group-flag>
              no-group-flag
            </no-group-flag>
            <admin-group-name>
              admin-group-name
            </admin-group-name>
```



```

        <admin-group-number>
            admin-group-number
        </admin-group-number>
    </admin-groups>
</mpls-lsp-path>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>

```

## Description

### <admin-groups>

#### Usage

```

<mpls-lsp-path>
  <admin-groups>
    <color>
      color
    </color>
    <no-group-flag>
      no-group-flag
    </no-group-flag>
    <admin-group-name>
      admin-group-name
    </admin-group-name>
    <admin-group-number>
      admin-group-number
    </admin-group-number>
  </admin-groups>
</mpls-lsp-path>

```

## Description

### <admin-groups>

#### Usage

```

<mpls-lsp>
  <admin-groups>
    <color>
      color
    </color>
    <no-group-flag>
      no-group-flag
    </no-group-flag>
    <admin-group-name>
      admin-group-name
    </admin-group-name>
    <admin-group-number>
      admin-group-number
    </admin-group-number>
  </admin-groups>
</mpls-lsp>

```

**Description****<admin-groups>****Usage**

```
<mpls-lsp>
  <mpls-lsp-path>
    <admin-groups>
      <color>
        color
      </color>
      <no-group-flag>
        no-group-flag
      </no-group-flag>
      <admin-group-name>
        admin-group-name
      </admin-group-name>
      <admin-group-number>
        admin-group-number
      </admin-group-number>
    </admin-groups>
  </mpls-lsp-path>
</mpls-lsp>
```

**Description****<admin-groups>****Usage**

```
<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <admin-groups>
          <color>
            color
          </color>
          <no-group-flag>
            no-group-flag
          </no-group-flag>
          <admin-group-name>
            admin-group-name
          </admin-group-name>
          <admin-group-number>
            admin-group-number
          </admin-group-number>
        </admin-groups>
      </mpls-lsp>
    </rsvp-session>
  </rsvp-session-data>
</mpls-lsp-information>
```

**Description**

**<admin-groups>****Usage**

```

<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <mpls-lsp-path>
          <admin-groups>
            <color>
              color
            </color>
            <no-group-flag>
              no-group-flag
            </no-group-flag>
            <admin-group-name>
              admin-group-name
            </admin-group-name>
            <admin-group-number>
              admin-group-number
            </admin-group-number>
          </admin-groups>
        </mpls-lsp-path>
      </mpls-lsp>
    </rsvp-session>
  </rsvp-session-data>
</mpls-lsp-information>

```

**Description****<admin-groups>****Usage**

```

<ted-link>
  <admin-groups>
    <color>
      color
    </color>
    <no-group-flag>
      no-group-flag
    </no-group-flag>
    <admin-group-name>
      admin-group-name
    </admin-group-name>
    <admin-group-number>
      admin-group-number
    </admin-group-number>
  </admin-groups>
</ted-link>

```

**Description**

## <admin-groups>

### Usage

```
<ted-database>
<ted-link>
  <admin-groups>
    <color>
      color
    </color>
    <no-group-flag>
      no-group-flag
    </no-group-flag>
    <admin-group-name>
      admin-group-name
    </admin-group-name>
    <admin-group-number>
      admin-group-number
    </admin-group-number>
  </admin-groups>
</ted-link>
</ted-database>
```

### Description

## <admin-groups>

### Usage

```
<ted-database-information>
<ted-database>
  <ted-link>
    <admin-groups>
      <color>
        color
      </color>
      <no-group-flag>
        no-group-flag
      </no-group-flag>
      <admin-group-name>
        admin-group-name
      </admin-group-name>
      <admin-group-number>
        admin-group-number
      </admin-group-number>
    </admin-groups>
  </ted-link>
</ted-database>
</ted-database-information>
```

### Description

**<admin-groups>****Usage**

```

<ted-link-information>
  <ted-link>
    <admin-groups>
      <color>
        color
      </color>
      <no-group-flag>
        no-group-flag
      </no-group-flag>
      <admin-group-name>
        admin-group-name
      </admin-group-name>
      <admin-group-number>
        admin-group-number
      </admin-group-number>
    </admin-groups>
  </ted-link>
</ted-link-information>

```

**Description****<admin-groups>****Usage**

```

<mpls-call-admission-control-information>
  <mpls-call-admission-control>
    <mpls-lsp>
      <admin-groups>
        <color>
          color
        </color>
        <no-group-flag>
          no-group-flag
        </no-group-flag>
        <admin-group-name>
          admin-group-name
        </admin-group-name>
        <admin-group-number>
          admin-group-number
        </admin-group-number>
      </admin-groups>
    </mpls-lsp>
  </mpls-call-admission-control>
</mpls-call-admission-control-information>

```

**Description**

## <admin-groups>

### Usage

```
<mpls-call-admission-control-information>
  <mpls-call-admission-control>
    <mpls-lsp>
      <mpls-lsp-path>
        <admin-groups>
          <color>
            color
          </color>
          <no-group-flag>
            no-group-flag
          </no-group-flag>
          <admin-group-name>
            admin-group-name
          </admin-group-name>
          <admin-group-number>
            admin-group-number
          </admin-group-number>
        </admin-groups>
      </mpls-lsp-path>
    </mpls-lsp>
  </mpls-call-admission-control>
</mpls-call-admission-control-information>
```

### Description

## <admin-groups-extended>

### Usage

```
<rsvp-session-data>
  <rsvp-session>
    <mpls-lsp>
      <admin-groups-extended>
        <admin-group-name>
          admin-group-name
        </admin-group-name>
        <admin-group-number>
          admin-group-number
        </admin-group-number>
      </admin-groups-extended>
    </mpls-lsp>
  </rsvp-session>
</rsvp-session-data>
```

### Description

## <admin-groups-extended>

### Usage

```
<rsvp-session-data>
  <rsvp-session>
```

```

<mpls-lsp>
  <mpls-lsp-path>
    <admin-groups-extended>
      <admin-group-name>
        admin-group-name
      </admin-group-name>
      <admin-group-number>
        admin-group-number
      </admin-group-number>
    </admin-groups-extended>
  </mpls-lsp-path>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>

```

#### Description

### <admin-groups-extended>

#### Usage

```

<rsvp-session>
  <mpls-lsp>
    <admin-groups-extended>
      <admin-group-name>
        admin-group-name
      </admin-group-name>
      <admin-group-number>
        admin-group-number
      </admin-group-number>
    </admin-groups-extended>
  </mpls-lsp>
</rsvp-session>

```

#### Description

### <admin-groups-extended>

#### Usage

```

<rsvp-session>
  <mpls-lsp>
    <mpls-lsp-path>
      <admin-groups-extended>
        <admin-group-name>
          admin-group-name
        </admin-group-name>
        <admin-group-number>
          admin-group-number
        </admin-group-number>
      </admin-groups-extended>
    </mpls-lsp-path>
  </mpls-lsp>
</rsvp-session>

```

**Description****<admin-groups-extended>****Usage**

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <admin-groups-extended>
          <admin-group-name>
            admin-group-name
          </admin-group-name>
          <admin-group-number>
            admin-group-number
          </admin-group-number>
        </admin-groups-extended>
      </mpls-lsp>
    </rsvp-session>
  </rsvp-session-data>
</rsvp-session-information>
```

**Description****<admin-groups-extended>****Usage**

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <mpls-lsp-path>
          <admin-groups-extended>
            <admin-group-name>
              admin-group-name
            </admin-group-name>
            <admin-group-number>
              admin-group-number
            </admin-group-number>
          </admin-groups-extended>
        </mpls-lsp-path>
      </mpls-lsp>
    </rsvp-session>
  </rsvp-session-data>
</rsvp-session-information>
```

**Description****<admin-groups-extended>****Usage**

```
<mpls-lsp-path>
  <admin-groups-extended>
    <admin-group-name>
```



```

        admin-group-name
      </admin-group-name>
      <admin-group-number>
        admin-group-number
      </admin-group-number>
    </admin-groups-extended>
  </mpls-lsp-path>

```

#### Description

### <admin-groups-extended>

#### Usage

```

<mpls-lsp>
  <admin-groups-extended>
    <admin-group-name>
      admin-group-name
    </admin-group-name>
    <admin-group-number>
      admin-group-number
    </admin-group-number>
  </admin-groups-extended>
</mpls-lsp>

```

#### Description

### <admin-groups-extended>

#### Usage

```

<mpls-lsp>
  <mpls-lsp-path>
    <admin-groups-extended>
      <admin-group-name>
        admin-group-name
      </admin-group-name>
      <admin-group-number>
        admin-group-number
      </admin-group-number>
    </admin-groups-extended>
  </mpls-lsp-path>
</mpls-lsp>

```

#### Description

### <admin-groups-extended>

#### Usage

```

<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <admin-groups-extended>
          <admin-group-name>

```

```
        admin-group-name
      </admin-group-name>
      <admin-group-number>
        admin-group-number
      </admin-group-number>
    </admin-groups-extended>
  </mpls-lsp>
</rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>
```

#### Description

### <admin-groups-extended>

#### Usage

```
<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <mpls-lsp-path>
          <admin-groups-extended>
            <admin-group-name>
              admin-group-name
            </admin-group-name>
            <admin-group-number>
              admin-group-number
            </admin-group-number>
          </admin-groups-extended>
        </mpls-lsp-path>
      </mpls-lsp>
    </rsvp-session>
  </rsvp-session-data>
</mpls-lsp-information>
```

#### Description

### <admin-groups-extended>

#### Usage

```
<mpls-call-admission-control-information>
  <mpls-call-admission-control>
    <mpls-lsp>
      <admin-groups-extended>
        <admin-group-name>
          admin-group-name
        </admin-group-name>
        <admin-group-number>
          admin-group-number
        </admin-group-number>
      </admin-groups-extended>
    </mpls-lsp>
  </mpls-call-admission-control>
```

```
</mpls-call-admission-control-information>
```

## Description

### <admin-groups-extended>

#### Usage

```
<mpls-call-admission-control-information>
  <mpls-call-admission-control>
    <mpls-lsp>
      <mpls-lsp-path>
        <admin-groups-extended>
          <admin-group-name>
            admin-group-name
          </admin-group-name>
          <admin-group-number>
            admin-group-number
          </admin-group-number>
        </admin-groups-extended>
      </mpls-lsp-path>
    </mpls-lsp>
  </mpls-call-admission-control>
</mpls-call-admission-control-information>
```

## Description

### <aggregate>

#### Usage

```
<route-information>
  <route-table>
    <rt>
      <rt-entry>
        <aggregate>
          <aggregate-flags>
            aggregate-flags
          </aggregate-flags>
          <aggregate-depth>
            aggregate-depth
          </aggregate-depth>
          <aggregate-active>
            aggregate-active
          </aggregate-active>
          <aggregate-as-path>....</aggregate-as-path>
          <contributing-route-count>
            contributing-route-count
          </contributing-route-count>
          <aggregated-route>....</aggregated-route>
        </aggregate>
      </rt-entry>
    </rt>
  </route-table>
</route-information>
```

**Description****<aggregate>****Usage**

```
<route-summary-information>
<route-table>
<rt>
  <rt-entry>
    <aggregate>
      <aggregate-flags>
        aggregate-flags
      </aggregate-flags>
      <aggregate-depth>
        aggregate-depth
      </aggregate-depth>
      <aggregate-active>
        aggregate-active
      </aggregate-active>
      <aggregate-as-path>....</aggregate-as-path>
      <contributing-route-count>
        contributing-route-count
      </contributing-route-count>
      <aggregated-route>....</aggregated-route>
    </aggregate>
  </rt-entry>
</rt>
</route-table>
</route-summary-information>
```

**Description****<aggregate-as-path>****Usage**

```
<route-information>
<route-table>
<rt>
  <rt-entry>
    <aggregate>
      <aggregate-as-path>
        <as-path>
          as-path
        </as-path>
        <reference-count>
          reference-count
        </reference-count>
      </aggregate-as-path>
    </aggregate>
  </rt-entry>
</rt>
</route-table>
</route-information>
```

**Description****<aggregate-as-path>****Usage**

```
<route-summary-information>
<route-table>
<rt>
  <rt-entry>
    <aggregate>
      <aggregate-as-path>
        <as-path>
          as-path
        </as-path>
        <reference-count>
          reference-count
        </reference-count>
      </aggregate-as-path>
    </aggregate>
  </rt-entry>
</rt>
</route-table>
</route-summary-information>
```

**Description****<aggregated-route>****Usage**

```
<route-information>
<route-table>
<rt>
  <rt-entry>
    <aggregate>
      <aggregated-route>
        <destination-prefix>
          destination-prefix
        </destination-prefix>
        <protocol-name>
          protocol-name
        </protocol-name>
      </aggregated-route>
    </aggregate>
  </rt-entry>
</rt>
</route-table>
</route-information>
```

**Description****<aggregated-route>****Usage**

```
<route-summary-information>
```

```
<route-table>
  <rt>
    <rt-entry>
      <aggregate>
        <aggregated-route>
          <destination-prefix>
            destination-prefix
          </destination-prefix>
          <protocol-name>
            protocol-name
          </protocol-name>
        </aggregated-route>
      </aggregate>
    </rt-entry>
  </rt>
</route-table>
</route-summary-information>
```

## Description

### <amt-instance-statistics>

#### Usage

```
<amt-instance-statistics>
  <amt-relay-discovery-messages>
    amt-relay-discovery-messages
  </amt-relay-discovery-messages>
  <amt-relay-advertisement-messages>
    amt-relay-advertisement-messages
  </amt-relay-advertisement-messages>
  <amt-membership-request-messages>
    amt-membership-request-messages
  </amt-membership-request-messages>
  <amt-membership-query-messages>
    amt-membership-query-messages
  </amt-membership-query-messages>
  <amt-membership-update-messages>
    amt-membership-update-messages
  </amt-membership-update-messages>
  <amt-relay-discovery-invalid-address>
    amt-relay-discovery-invalid-address
  </amt-relay-discovery-invalid-address>
  <amt-membership-request-invalid-address>
    amt-membership-request-invalid-address
  </amt-membership-request-invalid-address>
  <amt-membership-update-invalid-address>
    amt-membership-update-invalid-address
  </amt-membership-update-invalid-address>
  <amt-incomplete-packet>
    amt-incomplete-packet
  </amt-incomplete-packet>
  <amt-invalid-mac>
    amt-invalid-mac
  </amt-invalid-mac>
  <amt-unexpected-type>
```

```

    amt-unexpected-type
  </amt-unexpected-type>
  <amt-incomplete-relay-discovery>
    amt-incomplete-relay-discovery
  </amt-incomplete-relay-discovery>
  <amt-incomplete-membership-request>
    amt-incomplete-membership-request
  </amt-incomplete-membership-request>
  <amt-incomplete-membership-update>
    amt-incomplete-membership-update
  </amt-incomplete-membership-update>
  <amt-no-active-gateway>
    amt-no-active-gateway
  </amt-no-active-gateway>
  <amt-invalid-inner-packet-checksum>
    amt-invalid-inner-packet-checksum
  </amt-invalid-inner-packet-checksum>
  <amt-gateways-timed-out>
    amt-gateways-timed-out
  </amt-gateways-timed-out>
</amt-instance-statistics>

```

**Description** Display a summary of AMT instance statistics

## <amt-summary>

### Usage

```

<amt-summary>
  <amt-anycast-prefix>
    amt-anycast-prefix
  </amt-anycast-prefix>
  <amt-anycast-address>
    amt-anycast-address
  </amt-anycast-address>
  <amt-local-address>
    amt-local-address
  </amt-local-address>
  <amt-tunnel-limit>
    amt-tunnel-limit
  </amt-tunnel-limit>
  <amt-active-tunnels>
    amt-active-tunnels
  </amt-active-tunnels>
</amt-summary>

```

**Description** Display a summary of AMT configuration

## <amt-tunnel>

### Usage

```

<amt-tunnel>
  <amt-tunnel-gateway-address>

```

```
    amt-tunnel-gateway-address
  </amt-tunnel-gateway-address>
  <amt-tunnel-gateway-port>
    amt-tunnel-gateway-port
  </amt-tunnel-gateway-port>
  <amt-tunnel-interface>
    amt-tunnel-interface
  </amt-tunnel-interface>
  <amt-tunnel-state>
    amt-tunnel-state
  </amt-tunnel-state>
  <amt-inactivity-timeout>
    amt-inactivity-timeout
  </amt-inactivity-timeout>
  <amt-tunnel-gateway-nonce>
    amt-tunnel-gateway-nonce
  </amt-tunnel-gateway-nonce>
  <amt-tunnel-gateway-mac>
    amt-tunnel-gateway-mac
  </amt-tunnel-gateway-mac>
  <amt-tunnel-multicast-groups>
    amt-tunnel-multicast-groups
  </amt-tunnel-multicast-groups>
  <mgm-group>....</mgm-group>
  <amt-tunnel-message-count>....</amt-tunnel-message-count>
</amt-tunnel>
```

**Description**    Display AMT tunnel information

## <amt-tunnel>

### Usage

```
<amt-tunnel-information>
  <amt-tunnel>
    <amt-tunnel-gateway-address>
      amt-tunnel-gateway-address
    </amt-tunnel-gateway-address>
    <amt-tunnel-gateway-port>
      amt-tunnel-gateway-port
    </amt-tunnel-gateway-port>
    <amt-tunnel-interface>
      amt-tunnel-interface
    </amt-tunnel-interface>
    <amt-tunnel-state>
      amt-tunnel-state
    </amt-tunnel-state>
    <amt-inactivity-timeout>
      amt-inactivity-timeout
    </amt-inactivity-timeout>
    <amt-tunnel-gateway-nonce>
      amt-tunnel-gateway-nonce
    </amt-tunnel-gateway-nonce>
    <amt-tunnel-gateway-mac>
      amt-tunnel-gateway-mac
```



```

</amt-tunnel-gateway-mac>
<amt-tunnel-multicast-groups>
  amt-tunnel-multicast-groups
</amt-tunnel-multicast-groups>
<mgm-group>....</mgm-group>
<amt-tunnel-message-count>....</amt-tunnel-message-count>
</amt-tunnel>
</amt-tunnel-information>

```

**Description** Display AMT tunnel information

### <amt-tunnel-information>

#### Usage

```

<amt-tunnel-information>
<amt-tunnel>....</amt-tunnel>
</amt-tunnel-information>

```

**Description** Display AMT tunnel information

### <amt-tunnel-message-count>

#### Usage

```

<amt-tunnel>
<amt-tunnel-message-count>
  <amt-request-message>
    amt-request-message
  </amt-request-message>
  <amt-membership-update-message>
    amt-membership-update-message
  </amt-membership-update-message>
</amt-tunnel-message-count>
</amt-tunnel>

```

**Description** Control packets received from the gateway

### <amt-tunnel-message-count>

#### Usage

```

<amt-tunnel-information>
<amt-tunnel>
  <amt-tunnel-message-count>
    <amt-request-message>
      amt-request-message
    </amt-request-message>
    <amt-membership-update-message>
      amt-membership-update-message
    </amt-membership-update-message>
  </amt-tunnel-message-count>
</amt-tunnel>

```

</amt-tunnel-information>

**Description** Control packets received from the gateway

### <area-address-tlv>

#### Usage

```
<isis-tlv>
  <area-address-tlv>
    <address>
      address
    </address>
    <tlv-length>
      tlv-length
    </tlv-length>
  </area-address-tlv>
</isis-tlv>
```

**Description**

### <area-address-tlv>

#### Usage

```
<isis-database-entry>
  <isis-tlv>
    <area-address-tlv>
      <address>
        address
      </address>
      <tlv-length>
        tlv-length
      </tlv-length>
    </area-address-tlv>
  </isis-tlv>
</isis-database-entry>
```

**Description**

### <area-address-tlv>

#### Usage

```
<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <area-address-tlv>
        <address>
          address
        </address>
        <tlv-length>
          tlv-length
        </tlv-length>
      </area-address-tlv>
```

```

</isis-tlv>
</isis-database-entry>
</isis-database>

```

#### Description

### <area-address-tlv>

#### Usage

```

<isis-database-information>
<isis-database>
<isis-database-entry>
<isis-tlv>
<area-address-tlv>
<address>
  address
</address>
<tlv-length>
  tlv-length
</tlv-length>
</area-address-tlv>
</isis-tlv>
</isis-database-entry>
</isis-database>
</isis-database-information>

```

#### Description

### <aspath-bucket>

#### Usage

```

<aspath-bucket>
<aspath-entry>....</aspath-entry>
<bucket>
  bucket
</bucket>
<count>
  count
</count>
</aspath-bucket>

```

#### Description

### <aspath-bucket>

#### Usage

```

<aspath-table>
<aspath-bucket>
<aspath-entry>....</aspath-entry>
<bucket>
  bucket
</bucket>
<count>

```

```
    count
  </count>
</aspath-bucket>
</aspath-table>
```

#### Description

### <aspath-bucket>

#### Usage

```
<juniper-routing-aspath>
  <aspath-table>
    <aspath-bucket>
      <aspath-entry>....</aspath-entry>
      <bucket>
        bucket
      </bucket>
      <count>
        count
      </count>
    </aspath-bucket>
  </aspath-table>
</juniper-routing-aspath>
```

#### Description

### <aspath-domain>

#### Usage

```
<aspath-domain>
  <identifier>
    identifier
  </identifier>
  <domain-flags>
    domain-flags
  </domain-flags>
  <primary>
    primary
  </primary>
  <references>
    references
  </references>
  <path-count>
    path-count
  </path-count>
  <local-asn>....</local-asn>
</aspath-domain>
```

#### Description

**<aspath-domain>****Usage**

```

<juniper-routing-aspath>
  <aspath-domain>
    <identifier>
      identifier
    </identifier>
    <domain-flags>
      domain-flags
    </domain-flags>
    <primary>
      primary
    </primary>
    <references>
      references
    </references>
    <path-count>
      path-count
    </path-count>
    <local-asn>....</local-asn>
  </aspath-domain>
</juniper-routing-aspath>

```

**Description****<aspath-entry>****Usage**

```

<aspath-entry>
  <as-path>
    as-path
  </as-path>
  <domain>
    domain
  </domain>
  <path-references>
    path-references
  </path-references>
  <length>
    length
  </length>
  <segments>
    segments
  </segments>
  <overhead>
    overhead
  </overhead>
  <compare-length>
    compare-length
  </compare-length>
  <neighbor-as>
    neighbor-as
  </neighbor-as>

```

```
<entry-state>
  entry-state
</entry-state>
</aspath-entry>
```

#### Description

### <aspath-entry>

#### Usage

```
<aspath-bucket>
  <aspath-entry>
    <as-path>
      as-path
    </as-path>
    <domain>
      domain
    </domain>
    <path-references>
      path-references
    </path-references>
    <length>
      length
    </length>
    <segments>
      segments
    </segments>
    <overhead>
      overhead
    </overhead>
    <compare-length>
      compare-length
    </compare-length>
    <neighbor-as>
      neighbor-as
    </neighbor-as>
    <entry-state>
      entry-state
    </entry-state>
  </aspath-entry>
</aspath-bucket>
```

#### Description

### <aspath-entry>

#### Usage

```
<aspath-table>
  <aspath-bucket>
    <aspath-entry>
      <as-path>
        as-path
      </as-path>
      <domain>
```

```

    domain
  </domain>
  <path-references>
    path-references
  </path-references>
  <length>
    length
  </length>
  <segments>
    segments
  </segments>
  <overhead>
    overhead
  </overhead>
  <compare-length>
    compare-length
  </compare-length>
  <neighbor-as>
    neighbor-as
  </neighbor-as>
  <entry-state>
    entry-state
  </entry-state>
</aspath-entry>
</aspath-bucket>
</aspath-table>

```

## Description

### <aspath-entry>

## Usage

```

<juniper-routing-aspath>
  <aspath-table>
    <aspath-bucket>
      <aspath-entry>
        <as-path>
          as-path
        </as-path>
        <domain>
          domain
        </domain>
        <path-references>
          path-references
        </path-references>
        <length>
          length
        </length>
        <segments>
          segments
        </segments>
        <overhead>
          overhead
        </overhead>
        <compare-length>

```

```
        compare-length
      </compare-length>
    <neighbor-as>
      neighbor-as
    </neighbor-as>
    <entry-state>
      entry-state
    </entry-state>
  </aspath-entry>
</aspath-bucket>
</aspath-table>
</juniper-routing-aspath>
```

#### Description

### <aspath-table>

#### Usage

```
<aspath-table>
  <path-count>
    path-count
  </path-count>
  <bucket-count>
    bucket-count
  </bucket-count>
  <bucket-max-entries>
    bucket-max-entries
  </bucket-max-entries>
  <bucket-min-entries>
    bucket-min-entries
  </bucket-min-entries>
  <bucket-avg-entries>
    bucket-avg-entries
  </bucket-avg-entries>
  <bucket-std-deviation>
    bucket-std-deviation
  </bucket-std-deviation>
  <aspath-bucket>....</aspath-bucket>
</aspath-table>
```

#### Description

### <aspath-table>

#### Usage

```
<juniper-routing-aspath>
  <aspath-table>
    <path-count>
      path-count
    </path-count>
    <bucket-count>
      bucket-count
    </bucket-count>
    <bucket-max-entries>
```



```

        bucket-max-entries
      </bucket-max-entries>
      <bucket-min-entries>
        bucket-min-entries
      </bucket-min-entries>
      <bucket-avg-entries>
        bucket-avg-entries
      </bucket-avg-entries>
      <bucket-std-deviation>
        bucket-std-deviation
      </bucket-std-deviation>
      <aspath-bucket>....</aspath-bucket>
    </aspath-table>
  </juniper-routing-aspath>

```

## Description

<attrset>

## Usage

```

<route-information>
<route-table>
  <rt>
    <rt-entry>
      <attrset>
        <attrset-as>
          attrset-as
        </attrset-as>
        <med>
          med
        </med>
        <local-preference>
          local-preference
        </local-preference>
        <as-path>
          as-path
        </as-path>
        <communities>....</communities>
        <cluster-id>
          cluster-id
        </cluster-id>
        <pmsi>
          pmsi
        </pmsi>
        <originator>
          originator
        </originator>
      </attrset>
    </rt-entry>
  </rt>
</route-table>
</route-information>

```

## Description

## <attrset>

### Usage

```
<route-summary-information>
<route-table>
<rt>
  <rt-entry>
    <attrset>
      <attrset-as>
        attrset-as
      </attrset-as>
      <med>
        med
      </med>
      <local-preference>
        local-preference
      </local-preference>
      <as-path>
        as-path
      </as-path>
      <communities>....</communities>
      <cluster-id>
        cluster-id
      </cluster-id>
      <pmsi>
        pmsi
      </pmsi>
      <originator>
        originator
      </originator>
    </attrset>
  </rt-entry>
</rt>
</route-table>
</route-summary-information>
```

### Description

## <authentication-tlv>

### Usage

```
<isis-tlv>
  <authentication-tlv>
    <tlv-length>
      tlv-length
    </tlv-length>
  </authentication-tlv>
</isis-tlv>
```

### Description

**<authentication-tlv>****Usage**

```

<isis-database-entry>
  <isis-tlv>
    <authentication-tlv>
      <tlv-length>
        tlv-length
      </tlv-length>
    </authentication-tlv>
  </isis-tlv>
</isis-database-entry>

```

**Description****<authentication-tlv>****Usage**

```

<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <authentication-tlv>
        <tlv-length>
          tlv-length
        </tlv-length>
      </authentication-tlv>
    </isis-tlv>
  </isis-database-entry>
</isis-database>

```

**Description****<authentication-tlv>****Usage**

```

<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <authentication-tlv>
          <tlv-length>
            tlv-length
          </tlv-length>
        </authentication-tlv>
      </isis-tlv>
    </isis-database-entry>
  </isis-database>
</isis-database-information>

```

**Description**

## <automatic-site-timers>

### Usage

```
<automatic-site-timers>
  <automatic-site-startup-wait-time>
    automatic-site-startup-wait-time
  </automatic-site-startup-wait-time>
  <automatic-site-new-site-wait-time>
    automatic-site-new-site-wait-time
  </automatic-site-new-site-wait-time>
  <automatic-site-collision-detect-time>
    automatic-site-collision-detect-time
  </automatic-site-collision-detect-time>
  <automatic-site-reclaim-wait-time>
    automatic-site-reclaim-wait-time
  </automatic-site-reclaim-wait-time>
</automatic-site-timers>
```

### Description

## <automatic-site-timers>

### Usage

```
<instance>
  <reference-site>
    <automatic-site-timers>
      <automatic-site-startup-wait-time>
        automatic-site-startup-wait-time
      </automatic-site-startup-wait-time>
      <automatic-site-new-site-wait-time>
        automatic-site-new-site-wait-time
      </automatic-site-new-site-wait-time>
      <automatic-site-collision-detect-time>
        automatic-site-collision-detect-time
      </automatic-site-collision-detect-time>
      <automatic-site-reclaim-wait-time>
        automatic-site-reclaim-wait-time
      </automatic-site-reclaim-wait-time>
    </automatic-site-timers>
  </reference-site>
</instance>
```

### Description

## <automatic-site-timers>

### Usage

```
<instance>
  <vpls-protocol-state>
    <reference-site>
      <automatic-site-timers>
        <automatic-site-startup-wait-time>
          automatic-site-startup-wait-time
        </automatic-site-startup-wait-time>
      </automatic-site-timers>
    </reference-site>
  </vpls-protocol-state>
</instance>
```

```

</automatic-site-startup-wait-time>
<automatic-site-new-site-wait-time>
  automatic-site-new-site-wait-time
</automatic-site-new-site-wait-time>
<automatic-site-collision-detect-time>
  automatic-site-collision-detect-time
</automatic-site-collision-detect-time>
<automatic-site-reclaim-wait-time>
  automatic-site-reclaim-wait-time
</automatic-site-reclaim-wait-time>
</automatic-site-timers>
</reference-site>
</vpls-protocol-state>
</instance>

```

### Description

<automatic-site-timers>

### Usage

```

<l2vpn-connection-information>
<instance>
  <reference-site>
    <automatic-site-timers>
      <automatic-site-startup-wait-time>
        automatic-site-startup-wait-time
      </automatic-site-startup-wait-time>
      <automatic-site-new-site-wait-time>
        automatic-site-new-site-wait-time
      </automatic-site-new-site-wait-time>
      <automatic-site-collision-detect-time>
        automatic-site-collision-detect-time
      </automatic-site-collision-detect-time>
      <automatic-site-reclaim-wait-time>
        automatic-site-reclaim-wait-time
      </automatic-site-reclaim-wait-time>
    </automatic-site-timers>
  </reference-site>
</instance>
</l2vpn-connection-information>

```

### Description

<automatic-site-timers>

### Usage

```

<l2vpn-connection-information>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <automatic-site-timers>
        <automatic-site-startup-wait-time>
          automatic-site-startup-wait-time
        </automatic-site-startup-wait-time>

```

```
<automatic-site-new-site-wait-time>
  automatic-site-new-site-wait-time
</automatic-site-new-site-wait-time>
<automatic-site-collision-detect-time>
  automatic-site-collision-detect-time
</automatic-site-collision-detect-time>
<automatic-site-reclaim-wait-time>
  automatic-site-reclaim-wait-time
</automatic-site-reclaim-wait-time>
</automatic-site-timers>
</reference-site>
</vpls-protocol-state>
</instance>
</l2vpn-connection-information>
```

#### Description

### <automatic-site-timers>

#### Usage

```
<vpls-connection-information>
<instance>
  <reference-site>
    <automatic-site-timers>
      <automatic-site-startup-wait-time>
        automatic-site-startup-wait-time
      </automatic-site-startup-wait-time>
      <automatic-site-new-site-wait-time>
        automatic-site-new-site-wait-time
      </automatic-site-new-site-wait-time>
      <automatic-site-collision-detect-time>
        automatic-site-collision-detect-time
      </automatic-site-collision-detect-time>
      <automatic-site-reclaim-wait-time>
        automatic-site-reclaim-wait-time
      </automatic-site-reclaim-wait-time>
    </automatic-site-timers>
  </reference-site>
</instance>
</vpls-connection-information>
```

#### Description

### <automatic-site-timers>

#### Usage

```
<vpls-connection-information>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <automatic-site-timers>
        <automatic-site-startup-wait-time>
          automatic-site-startup-wait-time
        </automatic-site-startup-wait-time>
```

```

    <automatic-site-new-site-wait-time>
      automatic-site-new-site-wait-time
    </automatic-site-new-site-wait-time>
    <automatic-site-collision-detect-time>
      automatic-site-collision-detect-time
    </automatic-site-collision-detect-time>
    <automatic-site-reclaim-wait-time>
      automatic-site-reclaim-wait-time
    </automatic-site-reclaim-wait-time>
  </automatic-site-timers>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-connection-information>

```

### Description

#### <automatic-site-timers>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <reference-site>
      <automatic-site-timers>
        <automatic-site-startup-wait-time>
          automatic-site-startup-wait-time
        </automatic-site-startup-wait-time>
        <automatic-site-new-site-wait-time>
          automatic-site-new-site-wait-time
        </automatic-site-new-site-wait-time>
        <automatic-site-collision-detect-time>
          automatic-site-collision-detect-time
        </automatic-site-collision-detect-time>
        <automatic-site-reclaim-wait-time>
          automatic-site-reclaim-wait-time
        </automatic-site-reclaim-wait-time>
      </automatic-site-timers>
    </reference-site>
  </instance>
</vpls-statistics-information>

```

### Description

#### <automatic-site-timers>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <automatic-site-timers>
          <automatic-site-startup-wait-time>
            automatic-site-startup-wait-time
          </automatic-site-startup-wait-time>

```

```
<automatic-site-new-site-wait-time>
  automatic-site-new-site-wait-time
</automatic-site-new-site-wait-time>
<automatic-site-collision-detect-time>
  automatic-site-collision-detect-time
</automatic-site-collision-detect-time>
<automatic-site-reclaim-wait-time>
  automatic-site-reclaim-wait-time
</automatic-site-reclaim-wait-time>
</automatic-site-timers>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-statistics-information>
```

#### Description

### <automatic-site-timers>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <reference-site>
    <automatic-site-timers>
      <automatic-site-startup-wait-time>
        automatic-site-startup-wait-time
      </automatic-site-startup-wait-time>
      <automatic-site-new-site-wait-time>
        automatic-site-new-site-wait-time
      </automatic-site-new-site-wait-time>
      <automatic-site-collision-detect-time>
        automatic-site-collision-detect-time
      </automatic-site-collision-detect-time>
      <automatic-site-reclaim-wait-time>
        automatic-site-reclaim-wait-time
      </automatic-site-reclaim-wait-time>
    </automatic-site-timers>
  </reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

#### Description

### <automatic-site-timers>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <automatic-site-timers>
        <automatic-site-startup-wait-time>
          automatic-site-startup-wait-time
        </automatic-site-startup-wait-time>
```



```

    <automatic-site-new-site-wait-time>
      automatic-site-new-site-wait-time
    </automatic-site-new-site-wait-time>
    <automatic-site-collision-detect-time>
      automatic-site-collision-detect-time
    </automatic-site-collision-detect-time>
    <automatic-site-reclaim-wait-time>
      automatic-site-reclaim-wait-time
    </automatic-site-reclaim-wait-time>
  </automatic-site-timers>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

### Description

#### <automatic-site-timers>

#### Usage

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <automatic-site-timers>
        <automatic-site-startup-wait-time>
          automatic-site-startup-wait-time
        </automatic-site-startup-wait-time>
        <automatic-site-new-site-wait-time>
          automatic-site-new-site-wait-time
        </automatic-site-new-site-wait-time>
        <automatic-site-collision-detect-time>
          automatic-site-collision-detect-time
        </automatic-site-collision-detect-time>
        <automatic-site-reclaim-wait-time>
          automatic-site-reclaim-wait-time
        </automatic-site-reclaim-wait-time>
      </automatic-site-timers>
    </reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

### Description

#### <automatic-site-timers>

#### Usage

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <automatic-site-timers>

```

```
<automatic-site-startup-wait-time>
  automatic-site-startup-wait-time
</automatic-site-startup-wait-time>
<automatic-site-new-site-wait-time>
  automatic-site-new-site-wait-time
</automatic-site-new-site-wait-time>
<automatic-site-collision-detect-time>
  automatic-site-collision-detect-time
</automatic-site-collision-detect-time>
<automatic-site-reclaim-wait-time>
  automatic-site-reclaim-wait-time
</automatic-site-reclaim-wait-time>
</automatic-site-timers>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

#### Description

### <automatic-site-timers>

#### Usage

```
<mvpn-instance-information>
<instance>
  <reference-site>
    <automatic-site-timers>
      <automatic-site-startup-wait-time>
        automatic-site-startup-wait-time
      </automatic-site-startup-wait-time>
      <automatic-site-new-site-wait-time>
        automatic-site-new-site-wait-time
      </automatic-site-new-site-wait-time>
      <automatic-site-collision-detect-time>
        automatic-site-collision-detect-time
      </automatic-site-collision-detect-time>
      <automatic-site-reclaim-wait-time>
        automatic-site-reclaim-wait-time
      </automatic-site-reclaim-wait-time>
    </automatic-site-timers>
  </reference-site>
</instance>
</mvpn-instance-information>
```

#### Description

### <automatic-site-timers>

#### Usage

```
<mvpn-instance-information>
<instance>
  <vpls-protocol-state>
    <reference-site>
```

```

<automatic-site-timers>
  <automatic-site-startup-wait-time>
    automatic-site-startup-wait-time
  </automatic-site-startup-wait-time>
  <automatic-site-new-site-wait-time>
    automatic-site-new-site-wait-time
  </automatic-site-new-site-wait-time>
  <automatic-site-collision-detect-time>
    automatic-site-collision-detect-time
  </automatic-site-collision-detect-time>
  <automatic-site-reclaim-wait-time>
    automatic-site-reclaim-wait-time
  </automatic-site-reclaim-wait-time>
</automatic-site-timers>
</reference-site>
</vpls-protocol-state>
</instance>
</mvpn-instance-information>

```

#### Description

### <backup-next-hop-element>

#### Usage

```

<backup-next-hop-element>
  <interface-name>
    interface-name
  </interface-name>
  <isis-next-hop-type>
    isis-next-hop-type
  </isis-next-hop-type>
  <isis-next-hop>
    isis-next-hop
  </isis-next-hop>
  <snpa>
    snpa
  </snpa>
</backup-next-hop-element>

```

#### Description

### <backup-next-hop-element>

#### Usage

```

<isis-overview>
  <isis-spf-information>
    <isis-spf>
      <isis-backup-spf-result>
        <backup-next-hop-element>
          <interface-name>
            interface-name
          </interface-name>
          <isis-next-hop-type>
            isis-next-hop-type

```

```
</isis-next-hop-type>
<isis-next-hop>
  isis-next-hop
</isis-next-hop>
<snpa>
  snpa
</snpa>
</backup-next-hop-element>
</isis-backup-spf-result>
</isis-spf>
</isis-spf-information>
</isis-overview>
```

#### Description

### <backup-next-hop-element>

#### Usage

```
<isis-overview-information>
<isis-overview>
  <isis-spf-information>
    <isis-spf>
      <isis-backup-spf-result>
        <backup-next-hop-element>
          <interface-name>
            interface-name
          </interface-name>
          <isis-next-hop-type>
            isis-next-hop-type
          </isis-next-hop-type>
          <isis-next-hop>
            isis-next-hop
          </isis-next-hop>
          <snpa>
            snpa
          </snpa>
        </backup-next-hop-element>
      </isis-backup-spf-result>
    </isis-spf>
  </isis-spf-information>
</isis-overview>
</isis-overview-information>
```

#### Description

### <backup-next-hop-element>

#### Usage

```
<isis-backup-spf-result>
  <backup-next-hop-element>
    <interface-name>
      interface-name
    </interface-name>
    <isis-next-hop-type>
```

```

        isis-next-hop-type
      </isis-next-hop-type>
    <isis-next-hop>
      isis-next-hop
    </isis-next-hop>
    <snpa>
      snpa
    </snpa>
  </backup-next-hop-element>
</isis-backup-spf-result>

```

### Description

#### <backup-next-hop-element>

##### Usage

```

<isis-spf>
  <isis-backup-spf-result>
    <backup-next-hop-element>
      <interface-name>
        interface-name
      </interface-name>
      <isis-next-hop-type>
        isis-next-hop-type
      </isis-next-hop-type>
      <isis-next-hop>
        isis-next-hop
      </isis-next-hop>
      <snpa>
        snpa
      </snpa>
    </backup-next-hop-element>
  </isis-backup-spf-result>
</isis-spf>

```

### Description

#### <backup-next-hop-element>

##### Usage

```

<isis-spf-information>
  <isis-spf>
    <isis-backup-spf-result>
      <backup-next-hop-element>
        <interface-name>
          interface-name
        </interface-name>
        <isis-next-hop-type>
          isis-next-hop-type
        </isis-next-hop-type>
        <isis-next-hop>
          isis-next-hop
        </isis-next-hop>
        <snpa>

```

```
    snpa
  </snpa>
</backup-next-hop-element>
</isis-backup-spf-result>
</isis-spf>
</isis-spf-information>
```

#### Description

### <backup-pes>

#### Usage

```
<multicast-backup-pe-groups-information>
<multicast-backup-pe-groups>
  <multicast-backup-pe-group>
    <backup-pes>
      <multicast-backup-pe-address>
        multicast-backup-pe-address
      </multicast-backup-pe-address>
    </backup-pes>
  </multicast-backup-pe-group>
</multicast-backup-pe-groups>
</multicast-backup-pe-groups-information>
```

**Description** Backup PE addresses

### <bgp-bfd>

#### Usage

```
<bgp-bfd>
  <bfd-configuration-state>
    bfd-configuration-state
  </bfd-configuration-state>
  <bfd-operational-state>
    bfd-operational-state
  </bfd-operational-state>
</bgp-bfd>
```

#### Description

### <bgp-bfd>

#### Usage

```
<bgp-peer>
  <bgp-bfd>
    <bfd-configuration-state>
      bfd-configuration-state
    </bfd-configuration-state>
    <bfd-operational-state>
      bfd-operational-state
    </bfd-operational-state>
  </bgp-bfd>
```

```
</bgp-peer>
```

#### Description

**<bgp-bfd>**

#### Usage

```
<bgp-group>
  <bgp-peer>
    <bgp-bfd>
      <bfd-configuration-state>
        bfd-configuration-state
      </bfd-configuration-state>
      <bfd-operational-state>
        bfd-operational-state
      </bfd-operational-state>
    </bgp-bfd>
  </bgp-peer>
</bgp-group>
```

#### Description

**<bgp-bfd>**

#### Usage

```
<bgp-information>
  <bgp-peer>
    <bgp-bfd>
      <bfd-configuration-state>
        bfd-configuration-state
      </bfd-configuration-state>
      <bfd-operational-state>
        bfd-operational-state
      </bfd-operational-state>
    </bgp-bfd>
  </bgp-peer>
</bgp-information>
```

#### Description

**<bgp-bfd>**

#### Usage

```
<bgp-group-information>
  <bgp-group>
    <bgp-peer>
      <bgp-bfd>
        <bfd-configuration-state>
          bfd-configuration-state
        </bfd-configuration-state>
        <bfd-operational-state>
          bfd-operational-state
        </bfd-operational-state>
```

```
</bgp-bfd>
</bgp-peer>
</bgp-group>
</bgp-group-information>
```

#### Description

### <bgp-bfd>

#### Usage

```
<bgp-group-information>
  <bgp-information>
    <bgp-peer>
      <bgp-bfd>
        <bfd-configuration-state>
          bfd-configuration-state
        </bfd-configuration-state>
        <bfd-operational-state>
          bfd-operational-state
        </bfd-operational-state>
      </bgp-bfd>
    </bgp-peer>
  </bgp-information>
</bgp-group-information>
```

#### Description

### <bgp-bmp-information>

#### Usage

```
<bgp-bmp-information>
  <bmp-addr-port>
    bmp-addr-port
  </bmp-addr-port>
  <bmp-state>
    bmp-state
  </bmp-state>
  <bmp-memory-consumed>
    bmp-memory-consumed
  </bmp-memory-consumed>
  <bmp-statistics-timeout>
    bmp-statistics-timeout
  </bmp-statistics-timeout>
  <bmp-memory-limit>
    bmp-memory-limit
  </bmp-memory-limit>
  <bmp-memory-delay>
    bmp-memory-delay
  </bmp-memory-delay>
</bgp-bmp-information>
```

**Description** BGP BMP configuration and operational information



**<bgp-error>****Usage**

```

<bgp-error>
  <name>
    name
  </name>
  <send-count>
    send-count
  </send-count>
  <receive-count>
    receive-count
  </receive-count>
</bgp-error>

```

**Description****<bgp-error>****Usage**

```

<bgp-peer>
  <bgp-error>
    <name>
      name
    </name>
    <send-count>
      send-count
    </send-count>
    <receive-count>
      receive-count
    </receive-count>
  </bgp-error>
</bgp-peer>

```

**Description****<bgp-error>****Usage**

```

<bgp-group>
  <bgp-peer>
    <bgp-error>
      <name>
        name
      </name>
      <send-count>
        send-count
      </send-count>
      <receive-count>
        receive-count
      </receive-count>
    </bgp-error>
  </bgp-peer>

```

</bgp-group>

#### Description

<bgp-error>

#### Usage

```
<bgp-information>
  <bgp-peer>
    <bgp-error>
      <name>
        name
      </name>
      <send-count>
        send-count
      </send-count>
      <receive-count>
        receive-count
      </receive-count>
    </bgp-error>
  </bgp-peer>
</bgp-information>
```

#### Description

<bgp-error>

#### Usage

```
<bgp-group-information>
  <bgp-group>
    <bgp-peer>
      <bgp-error>
        <name>
          name
        </name>
        <send-count>
          send-count
        </send-count>
        <receive-count>
          receive-count
        </receive-count>
      </bgp-error>
    </bgp-peer>
  </bgp-group>
</bgp-group-information>
```

#### Description

<bgp-error>

#### Usage

```
<bgp-group-information>
  <bgp-information>
```

```

<bgp-peer>
  <bgp-error>
    <name>
      name
    </name>
    <send-count>
      send-count
    </send-count>
    <receive-count>
      receive-count
    </receive-count>
  </bgp-error>
</bgp-peer>
</bgp-information>
</bgp-group-information>

```

#### Description

#### <bgp-group>

#### Usage

```

<bgp-group>
  <type>
    type
  </type>
  <peer-as>
    peer-as
  </peer-as>
  <local-as>
    local-as
  </local-as>
  <group-index>
    group-index
  </group-index>
  <group-state>
    group-state
  </group-state>
  <name>
    name
  </name>
  <bgp-options>
    bgp-options
  </bgp-options>
  <bgp-options2>
    bgp-options2
  </bgp-options2>
  <group-flags>
    group-flags
  </group-flags>
  <peer-count>
    peer-count
  </peer-count>
  <established-count>
    established-count
  </established-count>

```

```
<peer-address>
  peer-address
</peer-address>
<flap-count>
  flap-count
</flap-count>
<unconfigured-peers>....</unconfigured-peers>
<igp-protocol>
  igp-protocol
</igp-protocol>
<route-queue>....</route-queue>
<bgp-peer>....</bgp-peer>
<bgp-option-information>....</bgp-option-information>
<tracing-information>....</tracing-information>
<bgp-rib>....</bgp-rib>
</bgp-group>
```

**Description** Operational and configuration information for a BGP group

## <bgp-group>

### Usage

```
<bgp-group-information>
<bgp-group>
  <type>
    type
  </type>
  <peer-as>
    peer-as
  </peer-as>
  <local-as>
    local-as
  </local-as>
  <group-index>
    group-index
  </group-index>
  <group-state>
    group-state
  </group-state>
  <name>
    name
  </name>
  <bgp-options>
    bgp-options
  </bgp-options>
  <bgp-options2>
    bgp-options2
  </bgp-options2>
  <group-flags>
    group-flags
  </group-flags>
  <peer-count>
    peer-count
  </peer-count>
```

```

    <established-count>
      established-count
    </established-count>
    <peer-address>
      peer-address
    </peer-address>
    <flap-count>
      flap-count
    </flap-count>
    <unconfigured-peers>....</unconfigured-peers>
    <igp-protocol>
      igp-protocol
    </igp-protocol>
    <route-queue>....</route-queue>
    <bgp-peer>....</bgp-peer>
    <bgp-option-information>....</bgp-option-information>
    <tracing-information>....</tracing-information>
    <bgp-rib>....</bgp-rib>
  </bgp-group>
</bgp-group-information>

```

**Description** Operational and configuration information for a BGP group

## <bgp-group-information>

### Usage

```

<bgp-group-information>
  <bgp-group>....</bgp-group>
  <bgp-information>....</bgp-information>
</bgp-group-information>

```

**Description** Operational and configuration information for BGP groups

## <bgp-information>

### Usage

```

<bgp-information>
  <group-count>
    group-count
  </group-count>
  <peer-count>
    peer-count
  </peer-count>
  <external-peer-count>
    external-peer-count
  </external-peer-count>
  <internal-peer-count>
    internal-peer-count
  </internal-peer-count>
  <down-peer-count>
    down-peer-count
  </down-peer-count>

```

```
<unconfigured-peer-count>
  unconfigured-peer-count
</unconfigured-peer-count>
<half-open-peer-count>
  half-open-peer-count
</half-open-peer-count>
<igp-converging>
  igp-converging
</igp-converging>
<flap-count>
  flap-count
</flap-count>
<bgp-rib>....</bgp-rib>
<bgp-peer>....</bgp-peer>
</bgp-information>
```

**Description** Operational and configuration information for BGP

## <bgp-information>

### Usage

```
<bgp-group-information>
<bgp-information>
  <group-count>
    group-count
  </group-count>
  <peer-count>
    peer-count
  </peer-count>
  <external-peer-count>
    external-peer-count
  </external-peer-count>
  <internal-peer-count>
    internal-peer-count
  </internal-peer-count>
  <down-peer-count>
    down-peer-count
  </down-peer-count>
  <unconfigured-peer-count>
    unconfigured-peer-count
  </unconfigured-peer-count>
  <half-open-peer-count>
    half-open-peer-count
  </half-open-peer-count>
  <igp-converging>
    igp-converging
  </igp-converging>
  <flap-count>
    flap-count
  </flap-count>
  <bgp-rib>....</bgp-rib>
  <bgp-peer>....</bgp-peer>
</bgp-information>
```

```
</bgp-group-information>
```

**Description** Operational and configuration information for BGP

### <bgp-option-information>

#### Usage

```
<bgp-option-information>
  <export-policy>
    export-policy
  </export-policy>
  <import-policy>
    import-policy
  </import-policy>
  <bgp-options>
    bgp-options
  </bgp-options>
  <bgp-options2>
    bgp-options2
  </bgp-options2>
  <authentication-key>
    authentication-key
  </authentication-key>
  <authentication-key-chain>
    authentication-key-chain
  </authentication-key-chain>
  <authentication-algorithm>
    authentication-algorithm
  </authentication-algorithm>
  <authentication-configured>
    authentication-configured
  </authentication-configured>
  <address-families>
    address-families
  </address-families>
  <drop-path-attributes>
    drop-path-attributes
  </drop-path-attributes>
  <ignore-path-attributes>
    ignore-path-attributes
  </ignore-path-attributes>
  <local-address>
    local-address
  </local-address>
  <holdtime>
    holdtime
  </holdtime>
  <metric-out>
    metric-out
  </metric-out>
  <preference>
    preference
  </preference>
  <local-preference>
```

```
    local-preference
  </local-preference>
  <prefix-limit>....</prefix-limit>
  <accepted-prefix-limit>....</accepted-prefix-limit>
  <addpath-send>....</addpath-send>
  <addpath-receive>....</addpath-receive>
  <nlri-information>....</nlri-information>
  <local-as>
    local-as
  </local-as>
  <local-as-private>
    local-as-private
  </local-as-private>
  <local-system-as>
    local-system-as
  </local-system-as>
  <receive-buffer-size>
    receive-buffer-size
  </receive-buffer-size>
  <send-buffer-size>
    send-buffer-size
  </send-buffer-size>
  <outbound-timer>
    outbound-timer
  </outbound-timer>
  <med-action>
    med-action
  </med-action>
  <ipsec-sa>
    ipsec-sa
  </ipsec-sa>
</bgp-option-information>
```

## Description

### <bgp-option-information>

#### Usage

```
<bgp-peer>
  <bgp-option-information>
    <export-policy>
      export-policy
    </export-policy>
    <import-policy>
      import-policy
    </import-policy>
    <bgp-options>
      bgp-options
    </bgp-options>
    <bgp-options2>
      bgp-options2
    </bgp-options2>
    <authentication-key>
      authentication-key
    </authentication-key>
```



```
<authentication-key-chain>
  authentication-key-chain
</authentication-key-chain>
<authentication-algorithm>
  authentication-algorithm
</authentication-algorithm>
<authentication-configured>
  authentication-configured
</authentication-configured>
<address-families>
  address-families
</address-families>
<drop-path-attributes>
  drop-path-attributes
</drop-path-attributes>
<ignore-path-attributes>
  ignore-path-attributes
</ignore-path-attributes>
<local-address>
  local-address
</local-address>
<holdtime>
  holdtime
</holdtime>
<metric-out>
  metric-out
</metric-out>
<preference>
  preference
</preference>
<local-preference>
  local-preference
</local-preference>
<prefix-limit>....</prefix-limit>
<accepted-prefix-limit>....</accepted-prefix-limit>
<addpath-send>....</addpath-send>
<addpath-receive>....</addpath-receive>
<nlri-information>....</nlri-information>
<local-as>
  local-as
</local-as>
<local-as-private>
  local-as-private
</local-as-private>
<local-system-as>
  local-system-as
</local-system-as>
<receive-buffer-size>
  receive-buffer-size
</receive-buffer-size>
<send-buffer-size>
  send-buffer-size
</send-buffer-size>
<outbound-timer>
  outbound-timer
</outbound-timer>
```

```
<med-action>
  med-action
</med-action>
<ipsec-sa>
  ipsec-sa
</ipsec-sa>
</bgp-option-information>
</bgp-peer>
```

## Description

### <bgp-option-information>

#### Usage

```
<bgp-group>
<bgp-peer>
  <bgp-option-information>
    <export-policy>
      export-policy
    </export-policy>
    <import-policy>
      import-policy
    </import-policy>
    <bgp-options>
      bgp-options
    </bgp-options>
    <bgp-options2>
      bgp-options2
    </bgp-options2>
    <authentication-key>
      authentication-key
    </authentication-key>
    <authentication-key-chain>
      authentication-key-chain
    </authentication-key-chain>
    <authentication-algorithm>
      authentication-algorithm
    </authentication-algorithm>
    <authentication-configured>
      authentication-configured
    </authentication-configured>
    <address-families>
      address-families
    </address-families>
    <drop-path-attributes>
      drop-path-attributes
    </drop-path-attributes>
    <ignore-path-attributes>
      ignore-path-attributes
    </ignore-path-attributes>
    <local-address>
      local-address
    </local-address>
    <holdtime>
      holdtime
```

```

</holdtime>
<metric-out>
  metric-out
</metric-out>
<preference>
  preference
</preference>
<local-preference>
  local-preference
</local-preference>
<prefix-limit>....</prefix-limit>
<accepted-prefix-limit>....</accepted-prefix-limit>
<addpath-send>....</addpath-send>
<addpath-receive>....</addpath-receive>
<nlri-information>....</nlri-information>
<local-as>
  local-as
</local-as>
<local-as-private>
  local-as-private
</local-as-private>
<local-system-as>
  local-system-as
</local-system-as>
<receive-buffer-size>
  receive-buffer-size
</receive-buffer-size>
<send-buffer-size>
  send-buffer-size
</send-buffer-size>
<outbound-timer>
  outbound-timer
</outbound-timer>
<med-action>
  med-action
</med-action>
<ipsec-sa>
  ipsec-sa
</ipsec-sa>
</bgp-option-information>
</bgp-peer>
</bgp-group>

```

## Description

### <bgp-option-information>

#### Usage

```

<bgp-group>
  <bgp-option-information>
    <export-policy>
      export-policy
    </export-policy>
    <import-policy>
      import-policy

```

```
</import-policy>
<bgp-options>
  bgp-options
</bgp-options>
<bgp-options2>
  bgp-options2
</bgp-options2>
<authentication-key>
  authentication-key
</authentication-key>
<authentication-key-chain>
  authentication-key-chain
</authentication-key-chain>
<authentication-algorithm>
  authentication-algorithm
</authentication-algorithm>
<authentication-configured>
  authentication-configured
</authentication-configured>
<address-families>
  address-families
</address-families>
<drop-path-attributes>
  drop-path-attributes
</drop-path-attributes>
<ignore-path-attributes>
  ignore-path-attributes
</ignore-path-attributes>
<local-address>
  local-address
</local-address>
<holdtime>
  holdtime
</holdtime>
<metric-out>
  metric-out
</metric-out>
<preference>
  preference
</preference>
<local-preference>
  local-preference
</local-preference>
<prefix-limit>.....</prefix-limit>
<accepted-prefix-limit>.....</accepted-prefix-limit>
<addpath-send>.....</addpath-send>
<addpath-receive>.....</addpath-receive>
<nlri-information>.....</nlri-information>
<local-as>
  local-as
</local-as>
<local-as-private>
  local-as-private
</local-as-private>
<local-system-as>
  local-system-as
```

```

</local-system-as>
<receive-buffer-size>
  receive-buffer-size
</receive-buffer-size>
<send-buffer-size>
  send-buffer-size
</send-buffer-size>
<outbound-timer>
  outbound-timer
</outbound-timer>
<med-action>
  med-action
</med-action>
<ipsec-sa>
  ipsec-sa
</ipsec-sa>
</bgp-option-information>
</bgp-group>

```

## Description

### <bgp-option-information>

#### Usage

```

<bgp-information>
  <bgp-peer>
    <bgp-option-information>
      <export-policy>
        export-policy
      </export-policy>
      <import-policy>
        import-policy
      </import-policy>
      <bgp-options>
        bgp-options
      </bgp-options>
      <bgp-options2>
        bgp-options2
      </bgp-options2>
      <authentication-key>
        authentication-key
      </authentication-key>
      <authentication-key-chain>
        authentication-key-chain
      </authentication-key-chain>
      <authentication-algorithm>
        authentication-algorithm
      </authentication-algorithm>
      <authentication-configured>
        authentication-configured
      </authentication-configured>
      <address-families>
        address-families
      </address-families>
      <drop-path-attributes>

```

```
    drop-path-attributes
  </drop-path-attributes>
  <ignore-path-attributes>
    ignore-path-attributes
  </ignore-path-attributes>
  <local-address>
    local-address
  </local-address>
  <holdtime>
    holdtime
  </holdtime>
  <metric-out>
    metric-out
  </metric-out>
  <preference>
    preference
  </preference>
  <local-preference>
    local-preference
  </local-preference>
  <prefix-limit>....</prefix-limit>
  <accepted-prefix-limit>....</accepted-prefix-limit>
  <addpath-send>....</addpath-send>
  <addpath-receive>....</addpath-receive>
  <nlri-information>....</nlri-information>
  <local-as>
    local-as
  </local-as>
  <local-as-private>
    local-as-private
  </local-as-private>
  <local-system-as>
    local-system-as
  </local-system-as>
  <receive-buffer-size>
    receive-buffer-size
  </receive-buffer-size>
  <send-buffer-size>
    send-buffer-size
  </send-buffer-size>
  <outbound-timer>
    outbound-timer
  </outbound-timer>
  <med-action>
    med-action
  </med-action>
  <ipsec-sa>
    ipsec-sa
  </ipsec-sa>
</bgp-option-information>
</bgp-peer>
</bgp-information>
```

## Description

## &lt;bgp-option-information&gt;

## Usage

```

<bgp-group-information>
<bgp-group>
<bgp-peer>
  <bgp-option-information>
    <export-policy>
      export-policy
    </export-policy>
    <import-policy>
      import-policy
    </import-policy>
    <bgp-options>
      bgp-options
    </bgp-options>
    <bgp-options2>
      bgp-options2
    </bgp-options2>
    <authentication-key>
      authentication-key
    </authentication-key>
    <authentication-key-chain>
      authentication-key-chain
    </authentication-key-chain>
    <authentication-algorithm>
      authentication-algorithm
    </authentication-algorithm>
    <authentication-configured>
      authentication-configured
    </authentication-configured>
    <address-families>
      address-families
    </address-families>
    <drop-path-attributes>
      drop-path-attributes
    </drop-path-attributes>
    <ignore-path-attributes>
      ignore-path-attributes
    </ignore-path-attributes>
    <local-address>
      local-address
    </local-address>
    <holdtime>
      holdtime
    </holdtime>
    <metric-out>
      metric-out
    </metric-out>
    <preference>
      preference
    </preference>
    <local-preference>
      local-preference
    </local-preference>
  
```

```
<prefix-limit>....</prefix-limit>
<accepted-prefix-limit>....</accepted-prefix-limit>
<addpath-send>....</addpath-send>
<addpath-receive>....</addpath-receive>
<nlri-information>....</nlri-information>
<local-as>
  local-as
</local-as>
<local-as-private>
  local-as-private
</local-as-private>
<local-system-as>
  local-system-as
</local-system-as>
<receive-buffer-size>
  receive-buffer-size
</receive-buffer-size>
<send-buffer-size>
  send-buffer-size
</send-buffer-size>
<outbound-timer>
  outbound-timer
</outbound-timer>
<med-action>
  med-action
</med-action>
<ipsec-sa>
  ipsec-sa
</ipsec-sa>
</bgp-option-information>
</bgp-peer>
</bgp-group>
</bgp-group-information>
```

## Description

### <bgp-option-information>

#### Usage

```
<bgp-group-information>
<bgp-group>
  <bgp-option-information>
    <export-policy>
      export-policy
    </export-policy>
    <import-policy>
      import-policy
    </import-policy>
    <bgp-options>
      bgp-options
    </bgp-options>
    <bgp-options2>
      bgp-options2
    </bgp-options2>
    <authentication-key>
```



```
    authentication-key
  </authentication-key>
  <authentication-key-chain>
    authentication-key-chain
  </authentication-key-chain>
  <authentication-algorithm>
    authentication-algorithm
  </authentication-algorithm>
  <authentication-configured>
    authentication-configured
  </authentication-configured>
  <address-families>
    address-families
  </address-families>
  <drop-path-attributes>
    drop-path-attributes
  </drop-path-attributes>
  <ignore-path-attributes>
    ignore-path-attributes
  </ignore-path-attributes>
  <local-address>
    local-address
  </local-address>
  <holdtime>
    holdtime
  </holdtime>
  <metric-out>
    metric-out
  </metric-out>
  <preference>
    preference
  </preference>
  <local-preference>
    local-preference
  </local-preference>
  <prefix-limit>....</prefix-limit>
  <accepted-prefix-limit>....</accepted-prefix-limit>
  <addpath-send>....</addpath-send>
  <addpath-receive>....</addpath-receive>
  <nlri-information>....</nlri-information>
  <local-as>
    local-as
  </local-as>
  <local-as-private>
    local-as-private
  </local-as-private>
  <local-system-as>
    local-system-as
  </local-system-as>
  <receive-buffer-size>
    receive-buffer-size
  </receive-buffer-size>
  <send-buffer-size>
    send-buffer-size
  </send-buffer-size>
  <outbound-timer>
```

```
    outbound-timer
  </outbound-timer>
  <med-action>
    med-action
  </med-action>
  <ipsec-sa>
    ipsec-sa
  </ipsec-sa>
</bgp-option-information>
</bgp-group>
</bgp-group-information>
```

## Description

### <bgp-option-information>

#### Usage

```
<bgp-group-information>
  <bgp-information>
    <bgp-peer>
      <bgp-option-information>
        <export-policy>
          export-policy
        </export-policy>
        <import-policy>
          import-policy
        </import-policy>
        <bgp-options>
          bgp-options
        </bgp-options>
        <bgp-options2>
          bgp-options2
        </bgp-options2>
        <authentication-key>
          authentication-key
        </authentication-key>
        <authentication-key-chain>
          authentication-key-chain
        </authentication-key-chain>
        <authentication-algorithm>
          authentication-algorithm
        </authentication-algorithm>
        <authentication-configured>
          authentication-configured
        </authentication-configured>
        <address-families>
          address-families
        </address-families>
        <drop-path-attributes>
          drop-path-attributes
        </drop-path-attributes>
        <ignore-path-attributes>
          ignore-path-attributes
        </ignore-path-attributes>
        <local-address>
```

```

    local-address
  </local-address>
  <holdtime>
    holdtime
  </holdtime>
  <metric-out>
    metric-out
  </metric-out>
  <preference>
    preference
  </preference>
  <local-preference>
    local-preference
  </local-preference>
  <prefix-limit>....</prefix-limit>
  <accepted-prefix-limit>....</accepted-prefix-limit>
  <addpath-send>....</addpath-send>
  <addpath-receive>....</addpath-receive>
  <nlri-information>....</nlri-information>
  <local-as>
    local-as
  </local-as>
  <local-as-private>
    local-as-private
  </local-as-private>
  <local-system-as>
    local-system-as
  </local-system-as>
  <receive-buffer-size>
    receive-buffer-size
  </receive-buffer-size>
  <send-buffer-size>
    send-buffer-size
  </send-buffer-size>
  <outbound-timer>
    outbound-timer
  </outbound-timer>
  <med-action>
    med-action
  </med-action>
  <ipsec-sa>
    ipsec-sa
  </ipsec-sa>
</bgp-option-information>
</bgp-peer>
</bgp-information>
</bgp-group-information>

```

**Description****<bgp-orf>****Usage**

```

<bgp-orf>
  <peer-address>

```

```
    peer-address
  </peer-address>
  <peer-type>
    peer-type
  </peer-type>
  <group-name>
    group-name
  </group-name>
  <bgp-orf-nlri-info>.....</bgp-orf-nlri-info>
</bgp-orf>
```

#### Description

### <bgp-orf>

#### Usage

```
<bgp-orf-information>
  <bgp-orf>
    <peer-address>
      peer-address
    </peer-address>
    <peer-type>
      peer-type
    </peer-type>
    <group-name>
      group-name
    </group-name>
    <bgp-orf-nlri-info>.....</bgp-orf-nlri-info>
  </bgp-orf>
</bgp-orf-information>
```

#### Description

### <bgp-orf-extcomm-filter>

#### Usage

```
<bgp-orf-filter-info>
  <bgp-orf-extcomm-filter>
    <extended-community>
      extended-community
    </extended-community>
  </bgp-orf-extcomm-filter>
</bgp-orf-filter-info>
```

#### Description

### <bgp-orf-extcomm-filter>

#### Usage

```
<bgp-orf-filter-information>
  <bgp-orf-filter-info>
    <bgp-orf-extcomm-filter>
      <extended-community>
```

```

        extended-community
      </extended-community>
    </bgp-orf-extcomm-filter>
  </bgp-orf-filter-info>
</bgp-orf-filter-information>

```

#### Description

### <bgp-orf-extcomm-filter>

#### Usage

```

<bgp-orf-nlri-info>
  <bgp-orf-filter-information>
    <bgp-orf-filter-info>
      <bgp-orf-extcomm-filter>
        <extended-community>
          extended-community
        </extended-community>
      </bgp-orf-extcomm-filter>
    </bgp-orf-filter-info>
  </bgp-orf-filter-information>
</bgp-orf-nlri-info>

```

#### Description

### <bgp-orf-extcomm-filter>

#### Usage

```

<bgp-orf>
  <bgp-orf-nlri-info>
    <bgp-orf-filter-information>
      <bgp-orf-filter-info>
        <bgp-orf-extcomm-filter>
          <extended-community>
            extended-community
          </extended-community>
        </bgp-orf-extcomm-filter>
      </bgp-orf-filter-info>
    </bgp-orf-filter-information>
  </bgp-orf-nlri-info>
</bgp-orf>

```

#### Description

### <bgp-orf-extcomm-filter>

#### Usage

```

<bgp-orf-information>
  <bgp-orf>
    <bgp-orf-nlri-info>
      <bgp-orf-filter-information>
        <bgp-orf-filter-info>
          <bgp-orf-extcomm-filter>

```

```
<extended-community>
  extended-community
</extended-community>
</bgp-orf-extcomm-filter>
</bgp-orf-filter-info>
</bgp-orf-filter-information>
</bgp-orf-nlri-info>
</bgp-orf>
</bgp-orf-information>
```

#### Description

### <bgp-orf-filter-info>

#### Usage

```
<bgp-orf-filter-info>
  <bgp-orf-extcomm-filter>....</bgp-orf-extcomm-filter>
  <bgp-orf-prefix-filter>....</bgp-orf-prefix-filter>
</bgp-orf-filter-info>
```

#### Description

### <bgp-orf-filter-info>

#### Usage

```
<bgp-orf-filter-information>
  <bgp-orf-filter-info>
    <bgp-orf-extcomm-filter>....</bgp-orf-extcomm-filter>
    <bgp-orf-prefix-filter>....</bgp-orf-prefix-filter>
  </bgp-orf-filter-info>
</bgp-orf-filter-information>
```

#### Description

### <bgp-orf-filter-info>

#### Usage

```
<bgp-orf-nlri-info>
  <bgp-orf-filter-information>
    <bgp-orf-filter-info>
      <bgp-orf-extcomm-filter>....</bgp-orf-extcomm-filter>
      <bgp-orf-prefix-filter>....</bgp-orf-prefix-filter>
    </bgp-orf-filter-info>
  </bgp-orf-filter-information>
</bgp-orf-nlri-info>
```

#### Description

### <bgp-orf-filter-info>

#### Usage

```
<bgp-orf>
```

```

<bgp-orf-nlri-info>
  <bgp-orf-filter-information>
    <bgp-orf-filter-info>
      <bgp-orf-extcomm-filter>....</bgp-orf-extcomm-filter>
      <bgp-orf-prefix-filter>....</bgp-orf-prefix-filter>
    </bgp-orf-filter-info>
  </bgp-orf-filter-information>
</bgp-orf-nlri-info>
</bgp-orf>

```

#### Description

### <bgp-orf-filter-info>

#### Usage

```

<bgp-orf-information>
  <bgp-orf>
    <bgp-orf-nlri-info>
      <bgp-orf-filter-information>
        <bgp-orf-filter-info>
          <bgp-orf-extcomm-filter>....</bgp-orf-extcomm-filter>
          <bgp-orf-prefix-filter>....</bgp-orf-prefix-filter>
        </bgp-orf-filter-info>
      </bgp-orf-filter-information>
    </bgp-orf-nlri-info>
  </bgp-orf>
</bgp-orf-information>

```

#### Description

### <bgp-orf-filter-information>

#### Usage

```

<bgp-orf-filter-information>
  <filter-type>
    filter-type
  </filter-type>
  <filter-mode>
    filter-mode
  </filter-mode>
  <filter-in-updates>
    filter-in-updates
  </filter-in-updates>
  <filter-out-updates>
    filter-out-updates
  </filter-out-updates>
  <filter-qcount>
    filter-qcount
  </filter-qcount>
  <bgp-orf-filter-info>....</bgp-orf-filter-info>
</bgp-orf-filter-information>

```

#### Description

## <bgp-orf-filter-information>

### Usage

```
<bgp-orf-nlri-info>
  <bgp-orf-filter-information>
    <filter-type>
      filter-type
    </filter-type>
    <filter-mode>
      filter-mode
    </filter-mode>
    <filter-in-updates>
      filter-in-updates
    </filter-in-updates>
    <filter-out-updates>
      filter-out-updates
    </filter-out-updates>
    <filter-qcount>
      filter-qcount
    </filter-qcount>
    <bgp-orf-filter-info>....</bgp-orf-filter-info>
  </bgp-orf-filter-information>
</bgp-orf-nlri-info>
```

### Description

## <bgp-orf-filter-information>

### Usage

```
<bgp-orf>
  <bgp-orf-nlri-info>
    <bgp-orf-filter-information>
      <filter-type>
        filter-type
      </filter-type>
      <filter-mode>
        filter-mode
      </filter-mode>
      <filter-in-updates>
        filter-in-updates
      </filter-in-updates>
      <filter-out-updates>
        filter-out-updates
      </filter-out-updates>
      <filter-qcount>
        filter-qcount
      </filter-qcount>
      <bgp-orf-filter-info>....</bgp-orf-filter-info>
    </bgp-orf-filter-information>
  </bgp-orf-nlri-info>
</bgp-orf>
```

### Description



**<bgp-orf-filter-information>****Usage**

```

<bgp-orf-information>
  <bgp-orf>
    <bgp-orf-nlri-info>
      <bgp-orf-filter-information>
        <filter-type>
          filter-type
        </filter-type>
        <filter-mode>
          filter-mode
        </filter-mode>
        <filter-in-updates>
          filter-in-updates
        </filter-in-updates>
        <filter-out-updates>
          filter-out-updates
        </filter-out-updates>
        <filter-qcount>
          filter-qcount
        </filter-qcount>
        <bgp-orf-filter-info>....</bgp-orf-filter-info>
      </bgp-orf-filter-information>
    </bgp-orf-nlri-info>
  </bgp-orf>
</bgp-orf-information>

```

**Description****<bgp-orf-information>****Usage**

```

<bgp-orf-information>
  <bgp-orf>....</bgp-orf>
</bgp-orf-information>

```

**Description** Operational information on BGP Outbound Route filtering

**<bgp-orf-nlri-info>****Usage**

```

<bgp-orf-nlri-info>
  <nlri-name>
    nlri-name
  </nlri-name>
  <filter-in-updates>
    filter-in-updates
  </filter-in-updates>
  <filter-out-updates>
    filter-out-updates
  </filter-out-updates>
  <filter-qcount>

```

```
    filter-qcount
  </filter-qcount>
  <immediate-count>
    immediate-count
  </immediate-count>
  <bgp-orf-filter-information>....</bgp-orf-filter-information>
</bgp-orf-nlri-info>
```

#### Description

<bgp-orf-nlri-info>

#### Usage

```
<bgp-orf>
  <bgp-orf-nlri-info>
    <nlri-name>
      nlri-name
    </nlri-name>
    <filter-in-updates>
      filter-in-updates
    </filter-in-updates>
    <filter-out-updates>
      filter-out-updates
    </filter-out-updates>
    <filter-qcount>
      filter-qcount
    </filter-qcount>
    <immediate-count>
      immediate-count
    </immediate-count>
    <bgp-orf-filter-information>....</bgp-orf-filter-information>
  </bgp-orf-nlri-info>
</bgp-orf>
```

#### Description

<bgp-orf-nlri-info>

#### Usage

```
<bgp-orf-information>
  <bgp-orf>
    <bgp-orf-nlri-info>
      <nlri-name>
        nlri-name
      </nlri-name>
      <filter-in-updates>
        filter-in-updates
      </filter-in-updates>
      <filter-out-updates>
        filter-out-updates
      </filter-out-updates>
      <filter-qcount>
        filter-qcount
      </filter-qcount>
```

```

    <immediate-count>
      immediate-count
    </immediate-count>
    <bgp-orf-filter-information>....</bgp-orf-filter-information>
  </bgp-orf-nlri-info>
</bgp-orf>
</bgp-orf-information>

```

#### Description

### <bgp-orf-prefix-filter>

#### Usage

```

<bgp-orf-filter-info>
  <bgp-orf-prefix-filter>
    <prefix-orf>
      prefix-orf
    </prefix-orf>
  </bgp-orf-prefix-filter>
</bgp-orf-filter-info>

```

#### Description

### <bgp-orf-prefix-filter>

#### Usage

```

<bgp-orf-filter-information>
  <bgp-orf-filter-info>
    <bgp-orf-prefix-filter>
      <prefix-orf>
        prefix-orf
      </prefix-orf>
    </bgp-orf-prefix-filter>
  </bgp-orf-filter-info>
</bgp-orf-filter-information>

```

#### Description

### <bgp-orf-prefix-filter>

#### Usage

```

<bgp-orf-nlri-info>
  <bgp-orf-filter-information>
    <bgp-orf-filter-info>
      <bgp-orf-prefix-filter>
        <prefix-orf>
          prefix-orf
        </prefix-orf>
      </bgp-orf-prefix-filter>
    </bgp-orf-filter-info>
  </bgp-orf-filter-information>
</bgp-orf-nlri-info>

```

**Description****<bgp-orf-prefix-filter>****Usage**

```
<bgp-orf>
  <bgp-orf-nlri-info>
    <bgp-orf-filter-information>
      <bgp-orf-filter-info>
        <bgp-orf-prefix-filter>
          <prefix-orf>
            prefix-orf
          </prefix-orf>
        </bgp-orf-prefix-filter>
      </bgp-orf-filter-info>
    </bgp-orf-filter-information>
  </bgp-orf-nlri-info>
</bgp-orf>
```

**Description****<bgp-orf-prefix-filter>****Usage**

```
<bgp-orf-information>
  <bgp-orf>
    <bgp-orf-nlri-info>
      <bgp-orf-filter-information>
        <bgp-orf-filter-info>
          <bgp-orf-prefix-filter>
            <prefix-orf>
              prefix-orf
            </prefix-orf>
          </bgp-orf-prefix-filter>
        </bgp-orf-filter-info>
      </bgp-orf-filter-information>
    </bgp-orf-nlri-info>
  </bgp-orf>
</bgp-orf-information>
```

**Description****<bgp-output-queue>****Usage**

```
<bgp-peer>
  <bgp-output-queue>
    <number>
      number
    </number>
    <count>
      count
    </count>
  </bgp-output-queue>
```

```
</bgp-peer>
```

#### Description

**<bgp-output-queue>**

#### Usage

```
<bgp-group>
  <bgp-peer>
    <bgp-output-queue>
      <number>
        number
      </number>
      <count>
        count
      </count>
    </bgp-output-queue>
  </bgp-peer>
</bgp-group>
```

#### Description

**<bgp-output-queue>**

#### Usage

```
<bgp-information>
  <bgp-peer>
    <bgp-output-queue>
      <number>
        number
      </number>
      <count>
        count
      </count>
    </bgp-output-queue>
  </bgp-peer>
</bgp-information>
```

#### Description

**<bgp-output-queue>**

#### Usage

```
<bgp-group-information>
  <bgp-group>
    <bgp-peer>
      <bgp-output-queue>
        <number>
          number
        </number>
        <count>
          count
        </count>
```

```
</bgp-output-queue>
</bgp-peer>
</bgp-group>
</bgp-group-information>
```

#### Description

### <bgp-output-queue>

#### Usage

```
<bgp-group-information>
  <bgp-information>
    <bgp-peer>
      <bgp-output-queue>
        <number>
          number
        </number>
        <count>
          count
        </count>
      </bgp-output-queue>
    </bgp-peer>
  </bgp-information>
</bgp-group-information>
```

#### Description

### <bgp-peer>

#### Usage

```
<bgp-peer>
  <peer-address>
    peer-address
  </peer-address>
  <peer-as>
    peer-as
  </peer-as>
  <local-address>
    local-address
  </local-address>
  <local-as>
    local-as
  </local-as>
  <description>
    description
  </description>
  <peer-type>
    peer-type
  </peer-type>
  <route-reflector-client>
    route-reflector-client
  </route-reflector-client>
  <peer-state>
    peer-state
  </peer-state>
```

```
</peer-state>
<peer-flags>
  peer-flags
</peer-flags>
<last-state>
  last-state
</last-state>
<last-event>
  last-event
</last-event>
<last-error>
  last-error
</last-error>
<bgp-option-information>....</bgp-option-information>
<flap-count>
  flap-count
</flap-count>
<last-flap-event>
  last-flap-event
</last-flap-event>
<peer-id>
  peer-id
</peer-id>
<local-id>
  local-id
</local-id>
<active-holdtime>
  active-holdtime
</active-holdtime>
<keepalive-interval>
  keepalive-interval
</keepalive-interval>
<peer-index>
  peer-index
</peer-index>
<bgp-bfd>....</bgp-bfd>
<local-interface-name>
  local-interface-name
</local-interface-name>
<local-interface-index>
  local-interface-index
</local-interface-index>
<nlri-type-peer>
  nlri-type-peer
</nlri-type-peer>
<nlri-type-session>
  nlri-type-session
</nlri-type-session>
<peer-no-refresh>
  peer-no-refresh
</peer-no-refresh>
<peer-refresh-capability>
  peer-refresh-capability
</peer-refresh-capability>
<peer-4byte-as-capability-not-supported>
  peer-4byte-as-capability-not-supported
```

```
</peer-4byte-as-capability-not-supported>
<peer-4byte-as-capability-advertised>
  peer-4byte-as-capability-advertised
</peer-4byte-as-capability-advertised>
<peer-addpath-not-supported>
  peer-addpath-not-supported
</peer-addpath-not-supported>
<peer-addpath-only-nlri>
  peer-addpath-only-nlri
</peer-addpath-only-nlri>
<peer-addpath-sonly-nlri>
  peer-addpath-sonly-nlri
</peer-addpath-sonly-nlri>
<peer-addpath-rs-nlri>
  peer-addpath-rs-nlri
</peer-addpath-rs-nlri>
<peer-restart-nlri-configured>
  peer-restart-nlri-configured
</peer-restart-nlri-configured>
<peer-restart-time-configured>
  peer-restart-time-configured
</peer-restart-time-configured>
<peer-stale-route-time-configured>
  peer-stale-route-time-configured
</peer-stale-route-time-configured>
<peer-restart-time-received>
  peer-restart-time-received
</peer-restart-time-received>
<peer-restart-flags-received>
  peer-restart-flags-received
</peer-restart-flags-received>
<peer-restart-nlri-received>
  peer-restart-nlri-received
</peer-restart-nlri-received>
<peer-restart-nlri-can-save-state>
  peer-restart-nlri-can-save-state
</peer-restart-nlri-can-save-state>
<peer-restart-nlri-state-saved>
  peer-restart-nlri-state-saved
</peer-restart-nlri-state-saved>
<peer-no-restart>
  peer-no-restart
</peer-no-restart>
<peer-restart-nlri-negotiated>
  peer-restart-nlri-negotiated
</peer-restart-nlri-negotiated>
<peer-end-of-rib-received>
  peer-end-of-rib-received
</peer-end-of-rib-received>
<peer-end-of-rib-sent>
  peer-end-of-rib-sent
</peer-end-of-rib-sent>
<peer-no-helper>
  peer-no-helper
</peer-no-helper>
<peer-end-of-rib-scheduled>
```



```
    peer-end-of-rib-scheduled
  </peer-end-of-rib-scheduled>
  <last-received>
    last-received
  </last-received>
  <last-sent>
    last-sent
  </last-sent>
  <last-checked>
    last-checked
  </last-checked>
  <input-messages>
    input-messages
  </input-messages>
  <input-checksum>
    input-checksum
  </input-checksum>
  <input-checksum-err>
    input-checksum-err
  </input-checksum-err>
  <input-updates>
    input-updates
  </input-updates>
  <input-refreshes>
    input-refreshes
  </input-refreshes>
  <input-octets>
    input-octets
  </input-octets>
  <output-messages>
    output-messages
  </output-messages>
  <output-checksum>
    output-checksum
  </output-checksum>
  <output-updates>
    output-updates
  </output-updates>
  <output-refreshes>
    output-refreshes
  </output-refreshes>
  <output-octets>
    output-octets
  </output-octets>
  <input-drop-path-attributes>
    input-drop-path-attributes
  </input-drop-path-attributes>
  <input-ignore-path-attributes>
    input-ignore-path-attributes
  </input-ignore-path-attributes>
  <buffered-octets-rx>
    buffered-octets-rx
  </buffered-octets-rx>
  <buffered-octets-tx>
    buffered-octets-tx
  </buffered-octets-tx>
```

```
<bgp-output-queue>....</bgp-output-queue>
<route-queue-count>
  route-queue-count
</route-queue-count>
<bgp-rib>....</bgp-rib>
<elapsed-time>
  elapsed-time
</elapsed-time>
<extended-information>
  extended-information
</extended-information>
<bgp-error>....</bgp-error>
<route-queue>....</route-queue>
<tracing-information>....</tracing-information>
</bgp-peer>
```

**Description** Operational and configuration information for a BGP peer

## <bgp-peer>

### Usage

```
<bgp-group>
<bgp-peer>
  <peer-address>
    peer-address
  </peer-address>
  <peer-as>
    peer-as
  </peer-as>
  <local-address>
    local-address
  </local-address>
  <local-as>
    local-as
  </local-as>
  <description>
    description
  </description>
  <peer-type>
    peer-type
  </peer-type>
  <route-reflector-client>
    route-reflector-client
  </route-reflector-client>
  <peer-state>
    peer-state
  </peer-state>
  <peer-flags>
    peer-flags
  </peer-flags>
  <last-state>
    last-state
  </last-state>
  <last-event>
```

```
    last-event
  </last-event>
  <last-error>
    last-error
  </last-error>
  <bgp-option-information>....</bgp-option-information>
  <flap-count>
    flap-count
  </flap-count>
  <last-flap-event>
    last-flap-event
  </last-flap-event>
  <peer-id>
    peer-id
  </peer-id>
  <local-id>
    local-id
  </local-id>
  <active-holdtime>
    active-holdtime
  </active-holdtime>
  <keepalive-interval>
    keepalive-interval
  </keepalive-interval>
  <peer-index>
    peer-index
  </peer-index>
  <bgp-bfd>....</bgp-bfd>
  <local-interface-name>
    local-interface-name
  </local-interface-name>
  <local-interface-index>
    local-interface-index
  </local-interface-index>
  <nlri-type-peer>
    nlri-type-peer
  </nlri-type-peer>
  <nlri-type-session>
    nlri-type-session
  </nlri-type-session>
  <peer-no-refresh>
    peer-no-refresh
  </peer-no-refresh>
  <peer-refresh-capability>
    peer-refresh-capability
  </peer-refresh-capability>
  <peer-4byte-as-capability-not-supported>
    peer-4byte-as-capability-not-supported
  </peer-4byte-as-capability-not-supported>
  <peer-4byte-as-capability-advertised>
    peer-4byte-as-capability-advertised
  </peer-4byte-as-capability-advertised>
  <peer-addpath-not-supported>
    peer-addpath-not-supported
  </peer-addpath-not-supported>
  <peer-addpath-ronly-nlri>
```

```
    peer-addpath-ronly-nlri
  </peer-addpath-ronly-nlri>
  <peer-addpath-sonly-nlri>
    peer-addpath-sonly-nlri
  </peer-addpath-sonly-nlri>
  <peer-addpath-rs-nlri>
    peer-addpath-rs-nlri
  </peer-addpath-rs-nlri>
  <peer-restart-nlri-configured>
    peer-restart-nlri-configured
  </peer-restart-nlri-configured>
  <peer-restart-time-configured>
    peer-restart-time-configured
  </peer-restart-time-configured>
  <peer-stale-route-time-configured>
    peer-stale-route-time-configured
  </peer-stale-route-time-configured>
  <peer-restart-time-received>
    peer-restart-time-received
  </peer-restart-time-received>
  <peer-restart-flags-received>
    peer-restart-flags-received
  </peer-restart-flags-received>
  <peer-restart-nlri-received>
    peer-restart-nlri-received
  </peer-restart-nlri-received>
  <peer-restart-nlri-can-save-state>
    peer-restart-nlri-can-save-state
  </peer-restart-nlri-can-save-state>
  <peer-restart-nlri-state-saved>
    peer-restart-nlri-state-saved
  </peer-restart-nlri-state-saved>
  <peer-no-restart>
    peer-no-restart
  </peer-no-restart>
  <peer-restart-nlri-negotiated>
    peer-restart-nlri-negotiated
  </peer-restart-nlri-negotiated>
  <peer-end-of-rib-received>
    peer-end-of-rib-received
  </peer-end-of-rib-received>
  <peer-end-of-rib-sent>
    peer-end-of-rib-sent
  </peer-end-of-rib-sent>
  <peer-no-helper>
    peer-no-helper
  </peer-no-helper>
  <peer-end-of-rib-scheduled>
    peer-end-of-rib-scheduled
  </peer-end-of-rib-scheduled>
  <last-received>
    last-received
  </last-received>
  <last-sent>
    last-sent
  </last-sent>
```

```
<last-checked>
  last-checked
</last-checked>
<input-messages>
  input-messages
</input-messages>
<input-checksum>
  input-checksum
</input-checksum>
<input-checksum-err>
  input-checksum-err
</input-checksum-err>
<input-updates>
  input-updates
</input-updates>
<input-refreshes>
  input-refreshes
</input-refreshes>
<input-octets>
  input-octets
</input-octets>
<output-messages>
  output-messages
</output-messages>
<output-checksum>
  output-checksum
</output-checksum>
<output-updates>
  output-updates
</output-updates>
<output-refreshes>
  output-refreshes
</output-refreshes>
<output-octets>
  output-octets
</output-octets>
<input-drop-path-attributes>
  input-drop-path-attributes
</input-drop-path-attributes>
<input-ignore-path-attributes>
  input-ignore-path-attributes
</input-ignore-path-attributes>
<buffered-octets-rx>
  buffered-octets-rx
</buffered-octets-rx>
<buffered-octets-tx>
  buffered-octets-tx
</buffered-octets-tx>
<bgp-output-queue>....</bgp-output-queue>
<route-queue-count>
  route-queue-count
</route-queue-count>
<bgp-rib>....</bgp-rib>
<elapsed-time>
  elapsed-time
</elapsed-time>
```

```
<extended-information>
  extended-information
</extended-information>
<bgp-error>....</bgp-error>
<route-queue>....</route-queue>
<tracing-information>....</tracing-information>
</bgp-peer>
</bgp-group>
```

**Description** Operational and configuration information for a BGP peer

## <bgp-peer>

### Usage

```
<bgp-information>
<bgp-peer>
  <peer-address>
    peer-address
  </peer-address>
  <peer-as>
    peer-as
  </peer-as>
  <local-address>
    local-address
  </local-address>
  <local-as>
    local-as
  </local-as>
  <description>
    description
  </description>
  <peer-type>
    peer-type
  </peer-type>
  <route-reflector-client>
    route-reflector-client
  </route-reflector-client>
  <peer-state>
    peer-state
  </peer-state>
  <peer-flags>
    peer-flags
  </peer-flags>
  <last-state>
    last-state
  </last-state>
  <last-event>
    last-event
  </last-event>
  <last-error>
    last-error
  </last-error>
  <bgp-option-information>....</bgp-option-information>
  <flap-count>
```

```
    flap-count
  </flap-count>
  <last-flap-event>
    last-flap-event
  </last-flap-event>
  <peer-id>
    peer-id
  </peer-id>
  <local-id>
    local-id
  </local-id>
  <active-holdtime>
    active-holdtime
  </active-holdtime>
  <keepalive-interval>
    keepalive-interval
  </keepalive-interval>
  <peer-index>
    peer-index
  </peer-index>
  <bgp-bfd>....</bgp-bfd>
  <local-interface-name>
    local-interface-name
  </local-interface-name>
  <local-interface-index>
    local-interface-index
  </local-interface-index>
  <nlri-type-peer>
    nlri-type-peer
  </nlri-type-peer>
  <nlri-type-session>
    nlri-type-session
  </nlri-type-session>
  <peer-no-refresh>
    peer-no-refresh
  </peer-no-refresh>
  <peer-refresh-capability>
    peer-refresh-capability
  </peer-refresh-capability>
  <peer-4byte-as-capability-not-supported>
    peer-4byte-as-capability-not-supported
  </peer-4byte-as-capability-not-supported>
  <peer-4byte-as-capability-advertised>
    peer-4byte-as-capability-advertised
  </peer-4byte-as-capability-advertised>
  <peer-addpath-not-supported>
    peer-addpath-not-supported
  </peer-addpath-not-supported>
  <peer-addpath-only-nlri>
    peer-addpath-only-nlri
  </peer-addpath-only-nlri>
  <peer-addpath-sonly-nlri>
    peer-addpath-sonly-nlri
  </peer-addpath-sonly-nlri>
  <peer-addpath-rs-nlri>
    peer-addpath-rs-nlri
```

```
</peer-addpath-rs-nlri>
<peer-restart-nlri-configured>
  peer-restart-nlri-configured
</peer-restart-nlri-configured>
<peer-restart-time-configured>
  peer-restart-time-configured
</peer-restart-time-configured>
<peer-stale-route-time-configured>
  peer-stale-route-time-configured
</peer-stale-route-time-configured>
<peer-restart-time-received>
  peer-restart-time-received
</peer-restart-time-received>
<peer-restart-flags-received>
  peer-restart-flags-received
</peer-restart-flags-received>
<peer-restart-nlri-received>
  peer-restart-nlri-received
</peer-restart-nlri-received>
<peer-restart-nlri-can-save-state>
  peer-restart-nlri-can-save-state
</peer-restart-nlri-can-save-state>
<peer-restart-nlri-state-saved>
  peer-restart-nlri-state-saved
</peer-restart-nlri-state-saved>
<peer-no-restart>
  peer-no-restart
</peer-no-restart>
<peer-restart-nlri-negotiated>
  peer-restart-nlri-negotiated
</peer-restart-nlri-negotiated>
<peer-end-of-rib-received>
  peer-end-of-rib-received
</peer-end-of-rib-received>
<peer-end-of-rib-sent>
  peer-end-of-rib-sent
</peer-end-of-rib-sent>
<peer-no-helper>
  peer-no-helper
</peer-no-helper>
<peer-end-of-rib-scheduled>
  peer-end-of-rib-scheduled
</peer-end-of-rib-scheduled>
<last-received>
  last-received
</last-received>
<last-sent>
  last-sent
</last-sent>
<last-checked>
  last-checked
</last-checked>
<input-messages>
  input-messages
</input-messages>
<input-checksum>
```



```
    input-checksum
  </input-checksum>
  <input-checksum-err>
    input-checksum-err
  </input-checksum-err>
  <input-updates>
    input-updates
  </input-updates>
  <input-refreshes>
    input-refreshes
  </input-refreshes>
  <input-octets>
    input-octets
  </input-octets>
  <output-messages>
    output-messages
  </output-messages>
  <output-checksum>
    output-checksum
  </output-checksum>
  <output-updates>
    output-updates
  </output-updates>
  <output-refreshes>
    output-refreshes
  </output-refreshes>
  <output-octets>
    output-octets
  </output-octets>
  <input-drop-path-attributes>
    input-drop-path-attributes
  </input-drop-path-attributes>
  <input-ignore-path-attributes>
    input-ignore-path-attributes
  </input-ignore-path-attributes>
  <buffered-octets-rx>
    buffered-octets-rx
  </buffered-octets-rx>
  <buffered-octets-tx>
    buffered-octets-tx
  </buffered-octets-tx>
  <bgp-output-queue>....</bgp-output-queue>
  <route-queue-count>
    route-queue-count
  </route-queue-count>
  <bgp-rib>....</bgp-rib>
  <elapsed-time>
    elapsed-time
  </elapsed-time>
  <extended-information>
    extended-information
  </extended-information>
  <bgp-error>....</bgp-error>
  <route-queue>....</route-queue>
  <tracing-information>....</tracing-information>
</bgp-peer>
```

</bgp-information>

**Description** Operational and configuration information for a BGP peer

## <bgp-peer>

### Usage

```
<bgp-group-information>
  <bgp-group>
    <bgp-peer>
      <peer-address>
        peer-address
      </peer-address>
      <peer-as>
        peer-as
      </peer-as>
      <local-address>
        local-address
      </local-address>
      <local-as>
        local-as
      </local-as>
      <description>
        description
      </description>
      <peer-type>
        peer-type
      </peer-type>
      <route-reflector-client>
        route-reflector-client
      </route-reflector-client>
      <peer-state>
        peer-state
      </peer-state>
      <peer-flags>
        peer-flags
      </peer-flags>
      <last-state>
        last-state
      </last-state>
      <last-event>
        last-event
      </last-event>
      <last-error>
        last-error
      </last-error>
      <bgp-option-information>....</bgp-option-information>
      <flap-count>
        flap-count
      </flap-count>
      <last-flap-event>
        last-flap-event
      </last-flap-event>
    </peer-id>
```

```
    peer-id
  </peer-id>
  <local-id>
    local-id
  </local-id>
  <active-holdtime>
    active-holdtime
  </active-holdtime>
  <keepalive-interval>
    keepalive-interval
  </keepalive-interval>
  <peer-index>
    peer-index
  </peer-index>
  <bgp-bfd>....</bgp-bfd>
  <local-interface-name>
    local-interface-name
  </local-interface-name>
  <local-interface-index>
    local-interface-index
  </local-interface-index>
  <nlri-type-peer>
    nlri-type-peer
  </nlri-type-peer>
  <nlri-type-session>
    nlri-type-session
  </nlri-type-session>
  <peer-no-refresh>
    peer-no-refresh
  </peer-no-refresh>
  <peer-refresh-capability>
    peer-refresh-capability
  </peer-refresh-capability>
  <peer-4byte-as-capability-not-supported>
    peer-4byte-as-capability-not-supported
  </peer-4byte-as-capability-not-supported>
  <peer-4byte-as-capability-advertised>
    peer-4byte-as-capability-advertised
  </peer-4byte-as-capability-advertised>
  <peer-addpath-not-supported>
    peer-addpath-not-supported
  </peer-addpath-not-supported>
  <peer-addpath-ronly-nlri>
    peer-addpath-ronly-nlri
  </peer-addpath-ronly-nlri>
  <peer-addpath-sonly-nlri>
    peer-addpath-sonly-nlri
  </peer-addpath-sonly-nlri>
  <peer-addpath-rs-nlri>
    peer-addpath-rs-nlri
  </peer-addpath-rs-nlri>
  <peer-restart-nlri-configured>
    peer-restart-nlri-configured
  </peer-restart-nlri-configured>
  <peer-restart-time-configured>
    peer-restart-time-configured
```

```
</peer-restart-time-configured>
<peer-stale-route-time-configured>
  peer-stale-route-time-configured
</peer-stale-route-time-configured>
<peer-restart-time-received>
  peer-restart-time-received
</peer-restart-time-received>
<peer-restart-flags-received>
  peer-restart-flags-received
</peer-restart-flags-received>
<peer-restart-nlri-received>
  peer-restart-nlri-received
</peer-restart-nlri-received>
<peer-restart-nlri-can-save-state>
  peer-restart-nlri-can-save-state
</peer-restart-nlri-can-save-state>
<peer-restart-nlri-state-saved>
  peer-restart-nlri-state-saved
</peer-restart-nlri-state-saved>
<peer-no-restart>
  peer-no-restart
</peer-no-restart>
<peer-restart-nlri-negotiated>
  peer-restart-nlri-negotiated
</peer-restart-nlri-negotiated>
<peer-end-of-rib-received>
  peer-end-of-rib-received
</peer-end-of-rib-received>
<peer-end-of-rib-sent>
  peer-end-of-rib-sent
</peer-end-of-rib-sent>
<peer-no-helper>
  peer-no-helper
</peer-no-helper>
<peer-end-of-rib-scheduled>
  peer-end-of-rib-scheduled
</peer-end-of-rib-scheduled>
<last-received>
  last-received
</last-received>
<last-sent>
  last-sent
</last-sent>
<last-checked>
  last-checked
</last-checked>
<input-messages>
  input-messages
</input-messages>
<input-checksum>
  input-checksum
</input-checksum>
<input-checksum-err>
  input-checksum-err
</input-checksum-err>
<input-updates>
```

```

    input-updates
  </input-updates>
  <input-refreshes>
    input-refreshes
  </input-refreshes>
  <input-octets>
    input-octets
  </input-octets>
  <output-messages>
    output-messages
  </output-messages>
  <output-checksum>
    output-checksum
  </output-checksum>
  <output-updates>
    output-updates
  </output-updates>
  <output-refreshes>
    output-refreshes
  </output-refreshes>
  <output-octets>
    output-octets
  </output-octets>
  <input-drop-path-attributes>
    input-drop-path-attributes
  </input-drop-path-attributes>
  <input-ignore-path-attributes>
    input-ignore-path-attributes
  </input-ignore-path-attributes>
  <buffered-octets-rx>
    buffered-octets-rx
  </buffered-octets-rx>
  <buffered-octets-tx>
    buffered-octets-tx
  </buffered-octets-tx>
  <bgp-output-queue>....</bgp-output-queue>
  <route-queue-count>
    route-queue-count
  </route-queue-count>
  <bgp-rib>....</bgp-rib>
  <elapsed-time>
    elapsed-time
  </elapsed-time>
  <extended-information>
    extended-information
  </extended-information>
  <bgp-error>....</bgp-error>
  <route-queue>....</route-queue>
  <tracing-information>....</tracing-information>
</bgp-peer>
</bgp-group>
</bgp-group-information>

```

**Description** Operational and configuration information for a BGP peer

## <bgp-peer>

### Usage

```
<bgp-group-information>
<bgp-information>
  <bgp-peer>
    <peer-address>
      peer-address
    </peer-address>
    <peer-as>
      peer-as
    </peer-as>
    <local-address>
      local-address
    </local-address>
    <local-as>
      local-as
    </local-as>
    <description>
      description
    </description>
    <peer-type>
      peer-type
    </peer-type>
    <route-reflector-client>
      route-reflector-client
    </route-reflector-client>
    <peer-state>
      peer-state
    </peer-state>
    <peer-flags>
      peer-flags
    </peer-flags>
    <last-state>
      last-state
    </last-state>
    <last-event>
      last-event
    </last-event>
    <last-error>
      last-error
    </last-error>
    <bgp-option-information>....</bgp-option-information>
    <flap-count>
      flap-count
    </flap-count>
    <last-flap-event>
      last-flap-event
    </last-flap-event>
    <peer-id>
      peer-id
    </peer-id>
    <local-id>
      local-id
    </local-id>
```

```
<active-holdtime>
  active-holdtime
</active-holdtime>
<keepalive-interval>
  keepalive-interval
</keepalive-interval>
<peer-index>
  peer-index
</peer-index>
<bgp-bfd>....</bgp-bfd>
<local-interface-name>
  local-interface-name
</local-interface-name>
<local-interface-index>
  local-interface-index
</local-interface-index>
<nlri-type-peer>
  nlri-type-peer
</nlri-type-peer>
<nlri-type-session>
  nlri-type-session
</nlri-type-session>
<peer-no-refresh>
  peer-no-refresh
</peer-no-refresh>
<peer-refresh-capability>
  peer-refresh-capability
</peer-refresh-capability>
<peer-4byte-as-capability-not-supported>
  peer-4byte-as-capability-not-supported
</peer-4byte-as-capability-not-supported>
<peer-4byte-as-capability-advertised>
  peer-4byte-as-capability-advertised
</peer-4byte-as-capability-advertised>
<peer-addpath-not-supported>
  peer-addpath-not-supported
</peer-addpath-not-supported>
<peer-addpath-ronly-nlri>
  peer-addpath-ronly-nlri
</peer-addpath-ronly-nlri>
<peer-addpath-sonly-nlri>
  peer-addpath-sonly-nlri
</peer-addpath-sonly-nlri>
<peer-addpath-rs-nlri>
  peer-addpath-rs-nlri
</peer-addpath-rs-nlri>
<peer-restart-nlri-configured>
  peer-restart-nlri-configured
</peer-restart-nlri-configured>
<peer-restart-time-configured>
  peer-restart-time-configured
</peer-restart-time-configured>
<peer-stale-route-time-configured>
  peer-stale-route-time-configured
</peer-stale-route-time-configured>
<peer-restart-time-received>
```

```
    peer-restart-time-received
  </peer-restart-time-received>
  <peer-restart-flags-received>
    peer-restart-flags-received
  </peer-restart-flags-received>
  <peer-restart-nlri-received>
    peer-restart-nlri-received
  </peer-restart-nlri-received>
  <peer-restart-nlri-can-save-state>
    peer-restart-nlri-can-save-state
  </peer-restart-nlri-can-save-state>
  <peer-restart-nlri-state-saved>
    peer-restart-nlri-state-saved
  </peer-restart-nlri-state-saved>
  <peer-no-restart>
    peer-no-restart
  </peer-no-restart>
  <peer-restart-nlri-negotiated>
    peer-restart-nlri-negotiated
  </peer-restart-nlri-negotiated>
  <peer-end-of-rib-received>
    peer-end-of-rib-received
  </peer-end-of-rib-received>
  <peer-end-of-rib-sent>
    peer-end-of-rib-sent
  </peer-end-of-rib-sent>
  <peer-no-helper>
    peer-no-helper
  </peer-no-helper>
  <peer-end-of-rib-scheduled>
    peer-end-of-rib-scheduled
  </peer-end-of-rib-scheduled>
  <last-received>
    last-received
  </last-received>
  <last-sent>
    last-sent
  </last-sent>
  <last-checked>
    last-checked
  </last-checked>
  <input-messages>
    input-messages
  </input-messages>
  <input-checksum>
    input-checksum
  </input-checksum>
  <input-checksum-err>
    input-checksum-err
  </input-checksum-err>
  <input-updates>
    input-updates
  </input-updates>
  <input-refreshes>
    input-refreshes
  </input-refreshes>
```



```

<input-octets>
  input-octets
</input-octets>
<output-messages>
  output-messages
</output-messages>
<output-checksum>
  output-checksum
</output-checksum>
<output-updates>
  output-updates
</output-updates>
<output-refreshes>
  output-refreshes
</output-refreshes>
<output-octets>
  output-octets
</output-octets>
<input-drop-path-attributes>
  input-drop-path-attributes
</input-drop-path-attributes>
<input-ignore-path-attributes>
  input-ignore-path-attributes
</input-ignore-path-attributes>
<buffered-octets-rx>
  buffered-octets-rx
</buffered-octets-rx>
<buffered-octets-tx>
  buffered-octets-tx
</buffered-octets-tx>
<bgp-output-queue>....</bgp-output-queue>
<route-queue-count>
  route-queue-count
</route-queue-count>
<bgp-rib>....</bgp-rib>
<elapsed-time>
  elapsed-time
</elapsed-time>
<extended-information>
  extended-information
</extended-information>
<bgp-error>....</bgp-error>
<route-queue>....</route-queue>
<tracing-information>....</tracing-information>
</bgp-peer>
</bgp-information>
</bgp-group-information>

```

**Description** Operational and configuration information for a BGP peer

## <bgp-rib>

### Usage

<bgp-rib>

```
<name>
  name
</name>
<rib-bit>
  rib-bit
</rib-bit>
<bgp-rib-state>
  bgp-rib-state
</bgp-rib-state>
<vpn-rib-state>
  vpn-rib-state
</vpn-rib-state>
<send-state>
  send-state
</send-state>
<total-external-prefix-count>
  total-external-prefix-count
</total-external-prefix-count>
<active-external-prefix-count>
  active-external-prefix-count
</active-external-prefix-count>
<accepted-external-prefix-count>
  accepted-external-prefix-count
</accepted-external-prefix-count>
<suppressed-external-prefix-count>
  suppressed-external-prefix-count
</suppressed-external-prefix-count>
<total-internal-prefix-count>
  total-internal-prefix-count
</total-internal-prefix-count>
<active-internal-prefix-count>
  active-internal-prefix-count
</active-internal-prefix-count>
<accepted-internal-prefix-count>
  accepted-internal-prefix-count
</accepted-internal-prefix-count>
<suppressed-internal-prefix-count>
  suppressed-internal-prefix-count
</suppressed-internal-prefix-count>
<total-prefix-count>
  total-prefix-count
</total-prefix-count>
<active-prefix-count>
  active-prefix-count
</active-prefix-count>
<received-prefix-count>
  received-prefix-count
</received-prefix-count>
<accepted-prefix-count>
  accepted-prefix-count
</accepted-prefix-count>
<damped-prefix-count>
  damped-prefix-count
</damped-prefix-count>
<suppressed-prefix-count>
  suppressed-prefix-count
```

```

</suppressed-prefix-count>
<history-prefix-count>
  history-prefix-count
</history-prefix-count>
<pending-prefix-count>
  pending-prefix-count
</pending-prefix-count>
<advertised-prefix-count>
  advertised-prefix-count
</advertised-prefix-count>
</bgp-rib>

```

## Description

### <bgp-rib>

## Usage

```

<bgp-peer>
<bgp-rib>
  <name>
    name
  </name>
  <rib-bit>
    rib-bit
  </rib-bit>
  <bgp-rib-state>
    bgp-rib-state
  </bgp-rib-state>
  <vpn-rib-state>
    vpn-rib-state
  </vpn-rib-state>
  <send-state>
    send-state
  </send-state>
  <total-external-prefix-count>
    total-external-prefix-count
  </total-external-prefix-count>
  <active-external-prefix-count>
    active-external-prefix-count
  </active-external-prefix-count>
  <accepted-external-prefix-count>
    accepted-external-prefix-count
  </accepted-external-prefix-count>
  <suppressed-external-prefix-count>
    suppressed-external-prefix-count
  </suppressed-external-prefix-count>
  <total-internal-prefix-count>
    total-internal-prefix-count
  </total-internal-prefix-count>
  <active-internal-prefix-count>
    active-internal-prefix-count
  </active-internal-prefix-count>
  <accepted-internal-prefix-count>
    accepted-internal-prefix-count
  </accepted-internal-prefix-count>

```

```
<suppressed-internal-prefix-count>
  suppressed-internal-prefix-count
</suppressed-internal-prefix-count>
<total-prefix-count>
  total-prefix-count
</total-prefix-count>
<active-prefix-count>
  active-prefix-count
</active-prefix-count>
<received-prefix-count>
  received-prefix-count
</received-prefix-count>
<accepted-prefix-count>
  accepted-prefix-count
</accepted-prefix-count>
<damped-prefix-count>
  damped-prefix-count
</damped-prefix-count>
<suppressed-prefix-count>
  suppressed-prefix-count
</suppressed-prefix-count>
<history-prefix-count>
  history-prefix-count
</history-prefix-count>
<pending-prefix-count>
  pending-prefix-count
</pending-prefix-count>
<advertised-prefix-count>
  advertised-prefix-count
</advertised-prefix-count>
</bgp-rib>
</bgp-peer>
```

## Description

<bgp-rib>

## Usage

```
<bgp-group>
<bgp-peer>
  <bgp-rib>
    <name>
      name
    </name>
    <rib-bit>
      rib-bit
    </rib-bit>
    <bgp-rib-state>
      bgp-rib-state
    </bgp-rib-state>
    <vpn-rib-state>
      vpn-rib-state
    </vpn-rib-state>
    <send-state>
      send-state
```

```
</send-state>
<total-external-prefix-count>
  total-external-prefix-count
</total-external-prefix-count>
<active-external-prefix-count>
  active-external-prefix-count
</active-external-prefix-count>
<accepted-external-prefix-count>
  accepted-external-prefix-count
</accepted-external-prefix-count>
<suppressed-external-prefix-count>
  suppressed-external-prefix-count
</suppressed-external-prefix-count>
<total-internal-prefix-count>
  total-internal-prefix-count
</total-internal-prefix-count>
<active-internal-prefix-count>
  active-internal-prefix-count
</active-internal-prefix-count>
<accepted-internal-prefix-count>
  accepted-internal-prefix-count
</accepted-internal-prefix-count>
<suppressed-internal-prefix-count>
  suppressed-internal-prefix-count
</suppressed-internal-prefix-count>
<total-prefix-count>
  total-prefix-count
</total-prefix-count>
<active-prefix-count>
  active-prefix-count
</active-prefix-count>
<received-prefix-count>
  received-prefix-count
</received-prefix-count>
<accepted-prefix-count>
  accepted-prefix-count
</accepted-prefix-count>
<damped-prefix-count>
  damped-prefix-count
</damped-prefix-count>
<suppressed-prefix-count>
  suppressed-prefix-count
</suppressed-prefix-count>
<history-prefix-count>
  history-prefix-count
</history-prefix-count>
<pending-prefix-count>
  pending-prefix-count
</pending-prefix-count>
<advertised-prefix-count>
  advertised-prefix-count
</advertised-prefix-count>
</bgp-rib>
</bgp-peer>
</bgp-group>
```

## Description

### <bgp-rib>

#### Usage

```
<bgp-group>
  <bgp-rib>
    <name>
      name
    </name>
    <rib-bit>
      rib-bit
    </rib-bit>
    <bgp-rib-state>
      bgp-rib-state
    </bgp-rib-state>
    <vpn-rib-state>
      vpn-rib-state
    </vpn-rib-state>
    <send-state>
      send-state
    </send-state>
    <total-external-prefix-count>
      total-external-prefix-count
    </total-external-prefix-count>
    <active-external-prefix-count>
      active-external-prefix-count
    </active-external-prefix-count>
    <accepted-external-prefix-count>
      accepted-external-prefix-count
    </accepted-external-prefix-count>
    <suppressed-external-prefix-count>
      suppressed-external-prefix-count
    </suppressed-external-prefix-count>
    <total-internal-prefix-count>
      total-internal-prefix-count
    </total-internal-prefix-count>
    <active-internal-prefix-count>
      active-internal-prefix-count
    </active-internal-prefix-count>
    <accepted-internal-prefix-count>
      accepted-internal-prefix-count
    </accepted-internal-prefix-count>
    <suppressed-internal-prefix-count>
      suppressed-internal-prefix-count
    </suppressed-internal-prefix-count>
    <total-prefix-count>
      total-prefix-count
    </total-prefix-count>
    <active-prefix-count>
      active-prefix-count
    </active-prefix-count>
    <received-prefix-count>
      received-prefix-count
    </received-prefix-count>
    <accepted-prefix-count>
```

```

    accepted-prefix-count
  </accepted-prefix-count>
  <damped-prefix-count>
    damped-prefix-count
  </damped-prefix-count>
  <suppressed-prefix-count>
    suppressed-prefix-count
  </suppressed-prefix-count>
  <history-prefix-count>
    history-prefix-count
  </history-prefix-count>
  <pending-prefix-count>
    pending-prefix-count
  </pending-prefix-count>
  <advertised-prefix-count>
    advertised-prefix-count
  </advertised-prefix-count>
</bgp-rib>
</bgp-group>

```

#### Description

**<bgp-rib>**

#### Usage

```

<bgp-information>
  <bgp-rib>
    <name>
      name
    </name>
    <rib-bit>
      rib-bit
    </rib-bit>
    <bgp-rib-state>
      bgp-rib-state
    </bgp-rib-state>
    <vpn-rib-state>
      vpn-rib-state
    </vpn-rib-state>
    <send-state>
      send-state
    </send-state>
    <total-external-prefix-count>
      total-external-prefix-count
    </total-external-prefix-count>
    <active-external-prefix-count>
      active-external-prefix-count
    </active-external-prefix-count>
    <accepted-external-prefix-count>
      accepted-external-prefix-count
    </accepted-external-prefix-count>
    <suppressed-external-prefix-count>
      suppressed-external-prefix-count
    </suppressed-external-prefix-count>
    <total-internal-prefix-count>

```

```
    total-internal-prefix-count
  </total-internal-prefix-count>
  <active-internal-prefix-count>
    active-internal-prefix-count
  </active-internal-prefix-count>
  <accepted-internal-prefix-count>
    accepted-internal-prefix-count
  </accepted-internal-prefix-count>
  <suppressed-internal-prefix-count>
    suppressed-internal-prefix-count
  </suppressed-internal-prefix-count>
  <total-prefix-count>
    total-prefix-count
  </total-prefix-count>
  <active-prefix-count>
    active-prefix-count
  </active-prefix-count>
  <received-prefix-count>
    received-prefix-count
  </received-prefix-count>
  <accepted-prefix-count>
    accepted-prefix-count
  </accepted-prefix-count>
  <damped-prefix-count>
    damped-prefix-count
  </damped-prefix-count>
  <suppressed-prefix-count>
    suppressed-prefix-count
  </suppressed-prefix-count>
  <history-prefix-count>
    history-prefix-count
  </history-prefix-count>
  <pending-prefix-count>
    pending-prefix-count
  </pending-prefix-count>
  <advertised-prefix-count>
    advertised-prefix-count
  </advertised-prefix-count>
</bgp-rib>
</bgp-information>
```

#### Description

<bgp-rib>

#### Usage

```
<bgp-information>
  <bgp-peer>
    <bgp-rib>
      <name>
        name
      </name>
      <rib-bit>
        rib-bit
      </rib-bit>
```



```
<bgp-rib-state>
  bgp-rib-state
</bgp-rib-state>
<vpn-rib-state>
  vpn-rib-state
</vpn-rib-state>
<send-state>
  send-state
</send-state>
<total-external-prefix-count>
  total-external-prefix-count
</total-external-prefix-count>
<active-external-prefix-count>
  active-external-prefix-count
</active-external-prefix-count>
<accepted-external-prefix-count>
  accepted-external-prefix-count
</accepted-external-prefix-count>
<suppressed-external-prefix-count>
  suppressed-external-prefix-count
</suppressed-external-prefix-count>
<total-internal-prefix-count>
  total-internal-prefix-count
</total-internal-prefix-count>
<active-internal-prefix-count>
  active-internal-prefix-count
</active-internal-prefix-count>
<accepted-internal-prefix-count>
  accepted-internal-prefix-count
</accepted-internal-prefix-count>
<suppressed-internal-prefix-count>
  suppressed-internal-prefix-count
</suppressed-internal-prefix-count>
<total-prefix-count>
  total-prefix-count
</total-prefix-count>
<active-prefix-count>
  active-prefix-count
</active-prefix-count>
<received-prefix-count>
  received-prefix-count
</received-prefix-count>
<accepted-prefix-count>
  accepted-prefix-count
</accepted-prefix-count>
<damped-prefix-count>
  damped-prefix-count
</damped-prefix-count>
<suppressed-prefix-count>
  suppressed-prefix-count
</suppressed-prefix-count>
<history-prefix-count>
  history-prefix-count
</history-prefix-count>
<pending-prefix-count>
  pending-prefix-count
```

```
</pending-prefix-count>
<advertised-prefix-count>
  advertised-prefix-count
</advertised-prefix-count>
</bgp-rib>
</bgp-peer>
</bgp-information>
```

## Description

### <bgp-rib>

## Usage

```
<bgp-group-information>
<bgp-group>
<bgp-peer>
  <bgp-rib>
    <name>
      name
    </name>
    <rib-bit>
      rib-bit
    </rib-bit>
    <bgp-rib-state>
      bgp-rib-state
    </bgp-rib-state>
    <vpn-rib-state>
      vpn-rib-state
    </vpn-rib-state>
    <send-state>
      send-state
    </send-state>
    <total-external-prefix-count>
      total-external-prefix-count
    </total-external-prefix-count>
    <active-external-prefix-count>
      active-external-prefix-count
    </active-external-prefix-count>
    <accepted-external-prefix-count>
      accepted-external-prefix-count
    </accepted-external-prefix-count>
    <suppressed-external-prefix-count>
      suppressed-external-prefix-count
    </suppressed-external-prefix-count>
    <total-internal-prefix-count>
      total-internal-prefix-count
    </total-internal-prefix-count>
    <active-internal-prefix-count>
      active-internal-prefix-count
    </active-internal-prefix-count>
    <accepted-internal-prefix-count>
      accepted-internal-prefix-count
    </accepted-internal-prefix-count>
    <suppressed-internal-prefix-count>
      suppressed-internal-prefix-count
```

```

</suppressed-internal-prefix-count>
<total-prefix-count>
  total-prefix-count
</total-prefix-count>
<active-prefix-count>
  active-prefix-count
</active-prefix-count>
<received-prefix-count>
  received-prefix-count
</received-prefix-count>
<accepted-prefix-count>
  accepted-prefix-count
</accepted-prefix-count>
<damped-prefix-count>
  damped-prefix-count
</damped-prefix-count>
<suppressed-prefix-count>
  suppressed-prefix-count
</suppressed-prefix-count>
<history-prefix-count>
  history-prefix-count
</history-prefix-count>
<pending-prefix-count>
  pending-prefix-count
</pending-prefix-count>
<advertised-prefix-count>
  advertised-prefix-count
</advertised-prefix-count>
</bgp-rib>
</bgp-peer>
</bgp-group>
</bgp-group-information>

```

## Description

### <bgp-rib>

## Usage

```

<bgp-group-information>
  <bgp-group>
    <bgp-rib>
      <name>
        name
      </name>
      <rib-bit>
        rib-bit
      </rib-bit>
      <bgp-rib-state>
        bgp-rib-state
      </bgp-rib-state>
      <vpn-rib-state>
        vpn-rib-state
      </vpn-rib-state>
      <send-state>
        send-state

```

```
</send-state>
<total-external-prefix-count>
  total-external-prefix-count
</total-external-prefix-count>
<active-external-prefix-count>
  active-external-prefix-count
</active-external-prefix-count>
<accepted-external-prefix-count>
  accepted-external-prefix-count
</accepted-external-prefix-count>
<suppressed-external-prefix-count>
  suppressed-external-prefix-count
</suppressed-external-prefix-count>
<total-internal-prefix-count>
  total-internal-prefix-count
</total-internal-prefix-count>
<active-internal-prefix-count>
  active-internal-prefix-count
</active-internal-prefix-count>
<accepted-internal-prefix-count>
  accepted-internal-prefix-count
</accepted-internal-prefix-count>
<suppressed-internal-prefix-count>
  suppressed-internal-prefix-count
</suppressed-internal-prefix-count>
<total-prefix-count>
  total-prefix-count
</total-prefix-count>
<active-prefix-count>
  active-prefix-count
</active-prefix-count>
<received-prefix-count>
  received-prefix-count
</received-prefix-count>
<accepted-prefix-count>
  accepted-prefix-count
</accepted-prefix-count>
<damped-prefix-count>
  damped-prefix-count
</damped-prefix-count>
<suppressed-prefix-count>
  suppressed-prefix-count
</suppressed-prefix-count>
<history-prefix-count>
  history-prefix-count
</history-prefix-count>
<pending-prefix-count>
  pending-prefix-count
</pending-prefix-count>
<advertised-prefix-count>
  advertised-prefix-count
</advertised-prefix-count>
</bgp-rib>
</bgp-group>
</bgp-group-information>
```

## Description

## &lt;bgp-rib&gt;

## Usage

```

<bgp-group-information>
<bgp-information>
  <bgp-rib>
    <name>
      name
    </name>
    <rib-bit>
      rib-bit
    </rib-bit>
    <bgp-rib-state>
      bgp-rib-state
    </bgp-rib-state>
    <vpn-rib-state>
      vpn-rib-state
    </vpn-rib-state>
    <send-state>
      send-state
    </send-state>
    <total-external-prefix-count>
      total-external-prefix-count
    </total-external-prefix-count>
    <active-external-prefix-count>
      active-external-prefix-count
    </active-external-prefix-count>
    <accepted-external-prefix-count>
      accepted-external-prefix-count
    </accepted-external-prefix-count>
    <suppressed-external-prefix-count>
      suppressed-external-prefix-count
    </suppressed-external-prefix-count>
    <total-internal-prefix-count>
      total-internal-prefix-count
    </total-internal-prefix-count>
    <active-internal-prefix-count>
      active-internal-prefix-count
    </active-internal-prefix-count>
    <accepted-internal-prefix-count>
      accepted-internal-prefix-count
    </accepted-internal-prefix-count>
    <suppressed-internal-prefix-count>
      suppressed-internal-prefix-count
    </suppressed-internal-prefix-count>
    <total-prefix-count>
      total-prefix-count
    </total-prefix-count>
    <active-prefix-count>
      active-prefix-count
    </active-prefix-count>
    <received-prefix-count>
      received-prefix-count
    </received-prefix-count>

```

```
<accepted-prefix-count>
  accepted-prefix-count
</accepted-prefix-count>
<damped-prefix-count>
  damped-prefix-count
</damped-prefix-count>
<suppressed-prefix-count>
  suppressed-prefix-count
</suppressed-prefix-count>
<history-prefix-count>
  history-prefix-count
</history-prefix-count>
<pending-prefix-count>
  pending-prefix-count
</pending-prefix-count>
<advertised-prefix-count>
  advertised-prefix-count
</advertised-prefix-count>
</bgp-rib>
</bgp-information>
</bgp-group-information>
```

## Description

### <bgp-rib>

## Usage

```
<bgp-group-information>
  <bgp-information>
    <bgp-peer>
      <bgp-rib>
        <name>
          name
        </name>
        <rib-bit>
          rib-bit
        </rib-bit>
        <bgp-rib-state>
          bgp-rib-state
        </bgp-rib-state>
        <vpn-rib-state>
          vpn-rib-state
        </vpn-rib-state>
        <send-state>
          send-state
        </send-state>
        <total-external-prefix-count>
          total-external-prefix-count
        </total-external-prefix-count>
        <active-external-prefix-count>
          active-external-prefix-count
        </active-external-prefix-count>
        <accepted-external-prefix-count>
          accepted-external-prefix-count
        </accepted-external-prefix-count>
```

```

<suppressed-external-prefix-count>
  suppressed-external-prefix-count
</suppressed-external-prefix-count>
<total-internal-prefix-count>
  total-internal-prefix-count
</total-internal-prefix-count>
<active-internal-prefix-count>
  active-internal-prefix-count
</active-internal-prefix-count>
<accepted-internal-prefix-count>
  accepted-internal-prefix-count
</accepted-internal-prefix-count>
<suppressed-internal-prefix-count>
  suppressed-internal-prefix-count
</suppressed-internal-prefix-count>
<total-prefix-count>
  total-prefix-count
</total-prefix-count>
<active-prefix-count>
  active-prefix-count
</active-prefix-count>
<received-prefix-count>
  received-prefix-count
</received-prefix-count>
<accepted-prefix-count>
  accepted-prefix-count
</accepted-prefix-count>
<damped-prefix-count>
  damped-prefix-count
</damped-prefix-count>
<suppressed-prefix-count>
  suppressed-prefix-count
</suppressed-prefix-count>
<history-prefix-count>
  history-prefix-count
</history-prefix-count>
<pending-prefix-count>
  pending-prefix-count
</pending-prefix-count>
<advertised-prefix-count>
  advertised-prefix-count
</advertised-prefix-count>
</bgp-rib>
</bgp-peer>
</bgp-information>
</bgp-group-information>

```

## Description

### <bgp-rsync-ack-queue>

#### Usage

```

<bgp-rsync-master>
  <bgp-rsync-ack-queue>
    <bgp-rsync-queue-entry>....</bgp-rsync-queue-entry>

```

```
</bgp-rsync-ack-queue>
</bgp-rsync-master>
```

#### Description

### <bgp-rsync-ack-queue>

#### Usage

```
<bgp-sync-information>
  <bgp-rsync-master>
    <bgp-rsync-ack-queue>
      <bgp-rsync-queue-entry>....</bgp-rsync-queue-entry>
    </bgp-rsync-ack-queue>
  </bgp-rsync-master>
</bgp-sync-information>
```

#### Description

### <bgp-rsync-error-queue>

#### Usage

```
<bgp-rsync-master>
  <bgp-rsync-error-queue>
    <bgp-rsync-queue-entry>....</bgp-rsync-queue-entry>
  </bgp-rsync-error-queue>
</bgp-rsync-master>
```

#### Description

### <bgp-rsync-error-queue>

#### Usage

```
<bgp-sync-information>
  <bgp-rsync-master>
    <bgp-rsync-error-queue>
      <bgp-rsync-queue-entry>....</bgp-rsync-queue-entry>
    </bgp-rsync-error-queue>
  </bgp-rsync-master>
</bgp-sync-information>
```

#### Description

### <bgp-rsync-estab-queue>

#### Usage

```
<bgp-rsync-master>
  <bgp-rsync-estab-queue>
    <bgp-rsync-queue-entry>....</bgp-rsync-queue-entry>
  </bgp-rsync-estab-queue>
</bgp-rsync-master>
```



## Description

## &lt;bgp-rsync-estab-queue&gt;

## Usage

```

<bgp-sync-information>
  <bgp-rsync-master>
    <bgp-rsync-estab-queue>
      <bgp-rsync-queue-entry>....</bgp-rsync-queue-entry>
    </bgp-rsync-estab-queue>
  </bgp-rsync-master>
</bgp-sync-information>

```

## Description

## &lt;bgp-rsync-estab-type&gt;

## Usage

```

<bgp-rsync-master>
  <bgp-rsync-estab-type>
    <bgp-rsync-queue-entry>....</bgp-rsync-queue-entry>
  </bgp-rsync-estab-type>
</bgp-rsync-master>

```

## Description

## &lt;bgp-rsync-estab-type&gt;

## Usage

```

<bgp-sync-information>
  <bgp-rsync-master>
    <bgp-rsync-estab-type>
      <bgp-rsync-queue-entry>....</bgp-rsync-queue-entry>
    </bgp-rsync-estab-type>
  </bgp-rsync-master>
</bgp-sync-information>

```

## Description

## &lt;bgp-rsync-master&gt;

## Usage

```

<bgp-rsync-master>
  <bgp-rsync-session-state>
    bgp-rsync-session-state
  </bgp-rsync-session-state>
  <bgp-rsync-session-time>
    bgp-rsync-session-time
  </bgp-rsync-session-time>
  <bgp-rsync-session-flaps>
    bgp-rsync-session-flaps
  </bgp-rsync-session-flaps>
  <bgp-rsync-session-last-flap-reason>

```

```
    bgp-rsync-session-last-flap-reason
  </bgp-rsync-session-last-flap-reason>
  <bgp-rsync-session-last-flap-error>
    bgp-rsync-session-last-flap-error
  </bgp-rsync-session-last-flap-error>
  <bgp-rsync-state>
    bgp-rsync-state
  </bgp-rsync-state>
  <bgp-rsync-state-time>
    bgp-rsync-state-time
  </bgp-rsync-state-time>
  <bgp-rsync-flags>
    bgp-rsync-flags
  </bgp-rsync-flags>
  <bgp-rsync-rt-state>
    bgp-rsync-rt-state
  </bgp-rsync-rt-state>
  <bgp-rsync-ackwait>
    bgp-rsync-ackwait
  </bgp-rsync-ackwait>
  <bgp-rsync-sowait>
    bgp-rsync-sowait
  </bgp-rsync-sowait>
  <bgp-rsync-sched>
    bgp-rsync-sched
  </bgp-rsync-sched>
  <bgp-rsync-sendbuf-count>
    bgp-rsync-sendbuf-count
  </bgp-rsync-sendbuf-count>
  <bgp-rsync-walker>
    bgp-rsync-walker
  </bgp-rsync-walker>
  <bgp-rsync-walk>....</bgp-rsync-walk>
  <bgp-rsync-estab-type>....</bgp-rsync-estab-type>
  <bgp-rsync-ack-queue>....</bgp-rsync-ack-queue>
  <bgp-rsync-estab-tm>
    bgp-rsync-estab-tm
  </bgp-rsync-estab-tm>
  <bgp-rsync-error-queue>....</bgp-rsync-error-queue>
  <bgp-rsync-stats>....</bgp-rsync-stats>
  <bgp-rsync-estab-queue>....</bgp-rsync-estab-queue>
</bgp-rsync-master>
```

#### Description

<bgp-rsync-master>

#### Usage

```
<bgp-sync-information>
  <bgp-rsync-master>
    <bgp-rsync-session-state>
      bgp-rsync-session-state
    </bgp-rsync-session-state>
    <bgp-rsync-session-time>
      bgp-rsync-session-time
```

```

</bgp-rsync-session-time>
<bgp-rsync-session-flaps>
  bgp-rsync-session-flaps
</bgp-rsync-session-flaps>
<bgp-rsync-session-last-flap-reason>
  bgp-rsync-session-last-flap-reason
</bgp-rsync-session-last-flap-reason>
<bgp-rsync-session-last-flap-error>
  bgp-rsync-session-last-flap-error
</bgp-rsync-session-last-flap-error>
<bgp-rsync-state>
  bgp-rsync-state
</bgp-rsync-state>
<bgp-rsync-state-time>
  bgp-rsync-state-time
</bgp-rsync-state-time>
<bgp-rsync-flags>
  bgp-rsync-flags
</bgp-rsync-flags>
<bgp-rsync-rt-state>
  bgp-rsync-rt-state
</bgp-rsync-rt-state>
<bgp-rsync-ackwait>
  bgp-rsync-ackwait
</bgp-rsync-ackwait>
<bgp-rsync-sowait>
  bgp-rsync-sowait
</bgp-rsync-sowait>
<bgp-rsync-sched>
  bgp-rsync-sched
</bgp-rsync-sched>
<bgp-rsync-sendbuf-count>
  bgp-rsync-sendbuf-count
</bgp-rsync-sendbuf-count>
<bgp-rsync-walker>
  bgp-rsync-walker
</bgp-rsync-walker>
<bgp-rsync-walk>....</bgp-rsync-walk>
<bgp-rsync-estab-type>....</bgp-rsync-estab-type>
<bgp-rsync-ack-queue>....</bgp-rsync-ack-queue>
<bgp-rsync-estab-tm>
  bgp-rsync-estab-tm
</bgp-rsync-estab-tm>
<bgp-rsync-error-queue>....</bgp-rsync-error-queue>
<bgp-rsync-stats>....</bgp-rsync-stats>
<bgp-rsync-estab-queue>....</bgp-rsync-estab-queue>
</bgp-rsync-master>
</bgp-sync-information>

```

## Description

<bgp-rsync-queue-entry>

## Usage

<bgp-rsync-queue-entry>

```
<rsy-queue-instance>
  rsy-queue-instance
</rsy-queue-instance>
<rsy-queue-addr>
  rsy-queue-addr
</rsy-queue-addr>
<rsy-queue-more>
  rsy-queue-more
</rsy-queue-more>
</bgp-rsync-queue-entry>
```

#### Description

### <bgp-rsync-queue-entry>

#### Usage

```
<bgp-rsync-master>
  <bgp-rsync-estab-type>
    <bgp-rsync-queue-entry>
      <rsy-queue-instance>
        rsy-queue-instance
      </rsy-queue-instance>
      <rsy-queue-addr>
        rsy-queue-addr
      </rsy-queue-addr>
      <rsy-queue-more>
        rsy-queue-more
      </rsy-queue-more>
    </bgp-rsync-queue-entry>
  </bgp-rsync-estab-type>
</bgp-rsync-master>
```

#### Description

### <bgp-rsync-queue-entry>

#### Usage

```
<bgp-rsync-master>
  <bgp-rsync-ack-queue>
    <bgp-rsync-queue-entry>
      <rsy-queue-instance>
        rsy-queue-instance
      </rsy-queue-instance>
      <rsy-queue-addr>
        rsy-queue-addr
      </rsy-queue-addr>
      <rsy-queue-more>
        rsy-queue-more
      </rsy-queue-more>
    </bgp-rsync-queue-entry>
  </bgp-rsync-ack-queue>
</bgp-rsync-master>
```

**Description****<bgp-rsync-queue-entry>****Usage**

```
<bgp-rsync-master>
<bgp-rsync-error-queue>
  <bgp-rsync-queue-entry>
    <rsy-queue-instance>
      rsy-queue-instance
    </rsy-queue-instance>
    <rsy-queue-addr>
      rsy-queue-addr
    </rsy-queue-addr>
    <rsy-queue-more>
      rsy-queue-more
    </rsy-queue-more>
  </bgp-rsync-queue-entry>
</bgp-rsync-error-queue>
</bgp-rsync-master>
```

**Description****<bgp-rsync-queue-entry>****Usage**

```
<bgp-rsync-master>
<bgp-rsync-estab-queue>
  <bgp-rsync-queue-entry>
    <rsy-queue-instance>
      rsy-queue-instance
    </rsy-queue-instance>
    <rsy-queue-addr>
      rsy-queue-addr
    </rsy-queue-addr>
    <rsy-queue-more>
      rsy-queue-more
    </rsy-queue-more>
  </bgp-rsync-queue-entry>
</bgp-rsync-estab-queue>
</bgp-rsync-master>
```

**Description****<bgp-rsync-queue-entry>****Usage**

```
<bgp-sync-information>
<bgp-rsync-master>
  <bgp-rsync-estab-type>
    <bgp-rsync-queue-entry>
      <rsy-queue-instance>
        rsy-queue-instance
      </rsy-queue-instance>
```

```
<rsy-queue-addr>
  rsy-queue-addr
</rsy-queue-addr>
<rsy-queue-more>
  rsy-queue-more
</rsy-queue-more>
</bgp-rsync-queue-entry>
</bgp-rsync-estab-type>
</bgp-rsync-master>
</bgp-sync-information>
```

#### Description

### <bgp-rsync-queue-entry>

#### Usage

```
<bgp-sync-information>
<bgp-rsync-master>
<bgp-rsync-ack-queue>
<bgp-rsync-queue-entry>
  <rsy-queue-instance>
    rsy-queue-instance
  </rsy-queue-instance>
  <rsy-queue-addr>
    rsy-queue-addr
  </rsy-queue-addr>
  <rsy-queue-more>
    rsy-queue-more
  </rsy-queue-more>
</bgp-rsync-queue-entry>
</bgp-rsync-ack-queue>
</bgp-rsync-master>
</bgp-sync-information>
```

#### Description

### <bgp-rsync-queue-entry>

#### Usage

```
<bgp-sync-information>
<bgp-rsync-master>
<bgp-rsync-error-queue>
<bgp-rsync-queue-entry>
  <rsy-queue-instance>
    rsy-queue-instance
  </rsy-queue-instance>
  <rsy-queue-addr>
    rsy-queue-addr
  </rsy-queue-addr>
  <rsy-queue-more>
    rsy-queue-more
  </rsy-queue-more>
</bgp-rsync-queue-entry>
</bgp-rsync-error-queue>
```

```

    </bgp-rsync-master>
  </bgp-sync-information>

```

#### Description

### <bgp-rsync-queue-entry>

#### Usage

```

<bgp-sync-information>
  <bgp-rsync-master>
    <bgp-rsync-estab-queue>
      <bgp-rsync-queue-entry>
        <rsy-queue-instance>
          rsy-queue-instance
        </rsy-queue-instance>
        <rsy-queue-addr>
          rsy-queue-addr
        </rsy-queue-addr>
        <rsy-queue-more>
          rsy-queue-more
        </rsy-queue-more>
      </bgp-rsync-queue-entry>
    </bgp-rsync-estab-queue>
  </bgp-rsync-master>
</bgp-sync-information>

```

#### Description

### <bgp-rsync-stats>

#### Usage

```

<bgp-rsync-master>
  <bgp-rsync-stats>
    <open-send-count>
      open-send-count
    </open-send-count>
    <estab-send-count>
      estab-send-count
    </estab-send-count>
    <update-send-count>
      update-send-count
    </update-send-count>
    <error-send-count>
      error-send-count
    </error-send-count>
    <complete-send-count>
      complete-send-count
    </complete-send-count>
    <open-receive-count>
      open-receive-count
    </open-receive-count>
    <request-wild-receive-count>
      request-wild-receive-count
    </request-wild-receive-count>
  </bgp-rsync-stats>
</bgp-rsync-master>

```

```
<request-tgt-receive-count>  
  request-tgt-receive-count  
</request-tgt-receive-count>  
<estab-ack-receive-count>  
  estab-ack-receive-count  
</estab-ack-receive-count>  
<complete-ack-receive-count>  
  complete-ack-receive-count  
</complete-ack-receive-count>  
</bgp-rsync-stats>  
</bgp-rsync-master>
```

## Description

### <bgp-rsync-stats>

#### Usage

```
<bgp-sync-information>  
  <bgp-rsync-master>  
    <bgp-rsync-stats>  
      <open-send-count>  
        open-send-count  
      </open-send-count>  
      <estab-send-count>  
        estab-send-count  
      </estab-send-count>  
      <update-send-count>  
        update-send-count  
      </update-send-count>  
      <error-send-count>  
        error-send-count  
      </error-send-count>  
      <complete-send-count>  
        complete-send-count  
      </complete-send-count>  
      <open-receive-count>  
        open-receive-count  
      </open-receive-count>  
      <request-wild-receive-count>  
        request-wild-receive-count  
      </request-wild-receive-count>  
      <request-tgt-receive-count>  
        request-tgt-receive-count  
      </request-tgt-receive-count>  
      <estab-ack-receive-count>  
        estab-ack-receive-count  
      </estab-ack-receive-count>  
      <complete-ack-receive-count>  
        complete-ack-receive-count  
      </complete-ack-receive-count>  
    </bgp-rsync-stats>  
  </bgp-rsync-master>  
</bgp-sync-information>
```



## Description

## &lt;bgp-rsync-walk&gt;

## Usage

```

<bgp-rsync-master>
  <bgp-rsync-walk>
    <bgp-rsync-walk-table>
      bgp-rsync-walk-table
    </bgp-rsync-walk-table>
    <bgp-rsync-walk-prefix>
      bgp-rsync-walk-prefix
    </bgp-rsync-walk-prefix>
    <bgp-rsync-walk-prefixlen>
      bgp-rsync-walk-prefixlen
    </bgp-rsync-walk-prefixlen>
    <queue-count>
      queue-count
    </queue-count>
  </bgp-rsync-walk>
</bgp-rsync-master>

```

## Description

## &lt;bgp-rsync-walk&gt;

## Usage

```

<bgp-sync-information>
  <bgp-rsync-master>
    <bgp-rsync-walk>
      <bgp-rsync-walk-table>
        bgp-rsync-walk-table
      </bgp-rsync-walk-table>
      <bgp-rsync-walk-prefix>
        bgp-rsync-walk-prefix
      </bgp-rsync-walk-prefix>
      <bgp-rsync-walk-prefixlen>
        bgp-rsync-walk-prefixlen
      </bgp-rsync-walk-prefixlen>
      <queue-count>
        queue-count
      </queue-count>
    </bgp-rsync-walk>
  </bgp-rsync-master>
</bgp-sync-information>

```

## Description

## &lt;bgp-rtf-brief&gt;

## Usage

```

<bgp-rtf-brief>
  <group-name>
    group-name

```

```
</group-name>
<table-name>
  table-name
</table-name>
<bgp-rtf-state-flags>
  bgp-rtf-state-flags
</bgp-rtf-state-flags>
<bgp-rtf-entries>
  bgp-rtf-entries
</bgp-rtf-entries>
</bgp-rtf-brief>
```

#### Description

### <bgp-rtf-brief>

#### Usage

```
<bgp-rtf-information>
  <bgp-rtf-brief>
    <group-name>
      group-name
    </group-name>
    <table-name>
      table-name
    </table-name>
    <bgp-rtf-state-flags>
      bgp-rtf-state-flags
    </bgp-rtf-state-flags>
    <bgp-rtf-entries>
      bgp-rtf-entries
    </bgp-rtf-entries>
  </bgp-rtf-brief>
</bgp-rtf-information>
```

#### Description

### <bgp-rtf-entry>

#### Usage

```
<bgp-rtf-entry>
  <rtarget>
    rtarget
  </rtarget>
  <rtarget-mask>
    rtarget-mask
  </rtarget-mask>
</bgp-rtf-entry>
```

#### Description

**<bgp-rtf-entry>****Usage**

```

<bgp-rtf-state>
  <bgp-rtf-entry>
    <rtarget>
      rtarget
    </rtarget>
    <rtarget-mask>
      rtarget-mask
    </rtarget-mask>
  </bgp-rtf-entry>
</bgp-rtf-state>

```

**Description****<bgp-rtf-entry>****Usage**

```

<bgp-rtf-group>
  <bgp-rtf-state>
    <bgp-rtf-entry>
      <rtarget>
        rtarget
      </rtarget>
      <rtarget-mask>
        rtarget-mask
      </rtarget-mask>
    </bgp-rtf-entry>
  </bgp-rtf-state>
</bgp-rtf-group>

```

**Description****<bgp-rtf-entry>****Usage**

```

<bgp-rtf-information>
  <bgp-rtf-group>
    <bgp-rtf-state>
      <bgp-rtf-entry>
        <rtarget>
          rtarget
        </rtarget>
        <rtarget-mask>
          rtarget-mask
        </rtarget-mask>
      </bgp-rtf-entry>
    </bgp-rtf-state>
  </bgp-rtf-group>
</bgp-rtf-information>

```

**Description****<bgp-rtf-group>****Usage**

```
<bgp-rtf-group>
  <group-name>
    group-name
  </group-name>
  <rtarget-recv-mask>
    rtarget-recv-mask
  </rtarget-recv-mask>
  <default-mask>
    default-mask
  </default-mask>
  <bgp-rtf-state>....</bgp-rtf-state>
</bgp-rtf-group>
```

**Description****<bgp-rtf-group>****Usage**

```
<bgp-rtf-information>
  <bgp-rtf-group>
    <group-name>
      group-name
    </group-name>
    <rtarget-recv-mask>
      rtarget-recv-mask
    </rtarget-recv-mask>
    <default-mask>
      default-mask
    </default-mask>
    <bgp-rtf-state>....</bgp-rtf-state>
  </bgp-rtf-group>
</bgp-rtf-information>
```

**Description****<bgp-rtf-information>****Usage**

```
<bgp-rtf-information>
  <bgp-rtf-brief>....</bgp-rtf-brief>
  <bgp-rtf-group>....</bgp-rtf-group>
</bgp-rtf-information>
```

**Description**    BGP route target filtering information

**<bgp-rtf-state>****Usage**

```

<bgp-rtf-state>
  <table-name>
    table-name
  </table-name>
  <bgp-rtf-state-flags>
    bgp-rtf-state-flags
  </bgp-rtf-state-flags>
  <bgp-rtf-entries>
    bgp-rtf-entries
  </bgp-rtf-entries>
  <bgp-rtf-entry>.....</bgp-rtf-entry>
</bgp-rtf-state>

```

**Description****<bgp-rtf-state>****Usage**

```

<bgp-rtf-group>
  <bgp-rtf-state>
    <table-name>
      table-name
    </table-name>
    <bgp-rtf-state-flags>
      bgp-rtf-state-flags
    </bgp-rtf-state-flags>
    <bgp-rtf-entries>
      bgp-rtf-entries
    </bgp-rtf-entries>
    <bgp-rtf-entry>.....</bgp-rtf-entry>
  </bgp-rtf-state>
</bgp-rtf-group>

```

**Description****<bgp-rtf-state>****Usage**

```

<bgp-rtf-information>
  <bgp-rtf-group>
    <bgp-rtf-state>
      <table-name>
        table-name
      </table-name>
      <bgp-rtf-state-flags>
        bgp-rtf-state-flags
      </bgp-rtf-state-flags>
      <bgp-rtf-entries>
        bgp-rtf-entries
      </bgp-rtf-entries>
    </bgp-rtf-state>
  </bgp-rtf-group>
</bgp-rtf-information>

```

```
<bgp-rtf-entry>....</bgp-rtf-entry>
</bgp-rtf-state>
</bgp-rtf-group>
</bgp-rtf-information>
```

#### Description

### <bgp-standby>

#### Usage

```
<bgp-standby>
  <bgp-standby-state>
    bgp-standby-state
  </bgp-standby-state>
  <bgp-standby-last-trans>
    bgp-standby-last-trans
  </bgp-standby-last-trans>
  <bgp-standby-sendbuf>
    bgp-standby-sendbuf
  </bgp-standby-sendbuf>
  <bgp-unsync-timer>
    bgp-unsync-timer
  </bgp-unsync-timer>
  <bgp-unsync-pending-tm>
    bgp-unsync-pending-tm
  </bgp-unsync-pending-tm>
  <bgp-unsync-queue>....</bgp-unsync-queue>
  <bgp-unsync-pending>....</bgp-unsync-pending>
  <bgp-standby-sync-queue>....</bgp-standby-sync-queue>
</bgp-standby>
```

#### Description

### <bgp-standby>

#### Usage

```
<bgp-sync-information>
  <bgp-standby>
    <bgp-standby-state>
      bgp-standby-state
    </bgp-standby-state>
    <bgp-standby-last-trans>
      bgp-standby-last-trans
    </bgp-standby-last-trans>
    <bgp-standby-sendbuf>
      bgp-standby-sendbuf
    </bgp-standby-sendbuf>
    <bgp-unsync-timer>
      bgp-unsync-timer
    </bgp-unsync-timer>
    <bgp-unsync-pending-tm>
      bgp-unsync-pending-tm
    </bgp-unsync-pending-tm>
    <bgp-unsync-queue>....</bgp-unsync-queue>
```

```

    <bgp-unsync-pending>.....</bgp-unsync-pending>
    <bgp-standby-sync-queue>.....</bgp-standby-sync-queue>
  </bgp-standby>
</bgp-sync-information>

```

#### Description

### <bgp-standby-sync-entry>

#### Usage

```

<bgp-standby-sync-entry>
  <bstandby-iid>
    bstandby-iid
  </bstandby-iid>
  <bstandby-addr>
    bstandby-addr
  </bstandby-addr>
</bgp-standby-sync-entry>

```

#### Description

### <bgp-standby-sync-entry>

#### Usage

```

<bgp-standby>
  <bgp-standby-sync-queue>
    <bgp-standby-sync-entry>
      <bstandby-iid>
        bstandby-iid
      </bstandby-iid>
      <bstandby-addr>
        bstandby-addr
      </bstandby-addr>
    </bgp-standby-sync-entry>
  </bgp-standby-sync-queue>
</bgp-standby>

```

#### Description

### <bgp-standby-sync-entry>

#### Usage

```

<bgp-sync-information>
  <bgp-standby>
    <bgp-standby-sync-queue>
      <bgp-standby-sync-entry>
        <bstandby-iid>
          bstandby-iid
        </bstandby-iid>
        <bstandby-addr>
          bstandby-addr
        </bstandby-addr>
      </bgp-standby-sync-entry>
    </bgp-standby-sync-queue>
  </bgp-standby>
</bgp-sync-information>

```

```
    </bgp-standby-sync-queue>
  </bgp-standby>
</bgp-sync-information>
```

#### Description

### <bgp-standby-sync-queue>

#### Usage

```
<bgp-standby>
  <bgp-standby-sync-queue>
    <bgp-standby-sync-entry>....</bgp-standby-sync-entry>
  </bgp-standby-sync-queue>
</bgp-standby>
```

#### Description

### <bgp-standby-sync-queue>

#### Usage

```
<bgp-sync-information>
  <bgp-standby>
    <bgp-standby-sync-queue>
      <bgp-standby-sync-entry>....</bgp-standby-sync-entry>
    </bgp-standby-sync-queue>
  </bgp-standby>
</bgp-sync-information>
```

#### Description

### <bgp-sync-information>

#### Usage

```
<bgp-sync-information>
  <bgp-rsync-master>....</bgp-rsync-master>
  <bgp-standby>....</bgp-standby>
</bgp-sync-information>
```

**Description** BGP synchronization information

### <bgp-traffic-statistics>

#### Usage

```
<bgp-traffic-statistics>
  <bgp-prefix>
    bgp-prefix
  </bgp-prefix>
  <bgp-traffic-type>
    bgp-traffic-type
  </bgp-traffic-type>
  <bgp-traffic-error>
```



```

    bgp-traffic-error
  </bgp-traffic-error>
  <bgp-traffic-statistics-packet-count>
    bgp-traffic-statistics-packet-count
  </bgp-traffic-statistics-packet-count>
  <bgp-traffic-statistics-byte-count>
    bgp-traffic-statistics-byte-count
  </bgp-traffic-statistics-byte-count>
  <bgp-traffic-statistics-egress-as>
    bgp-traffic-statistics-egress-as
  </bgp-traffic-statistics-egress-as>
  <bgp-traffic-statistics-advertised-fec-label>
    bgp-traffic-statistics-advertised-fec-label
  </bgp-traffic-statistics-advertised-fec-label>
</bgp-traffic-statistics>

```

#### Description

### <bgp-traffic-statistics>

#### Usage

```

<bgp-traffic-statistics-information>
  <bgp-traffic-statistics>
    <bgp-prefix>
      bgp-prefix
    </bgp-prefix>
    <bgp-traffic-type>
      bgp-traffic-type
    </bgp-traffic-type>
    <bgp-traffic-error>
      bgp-traffic-error
    </bgp-traffic-error>
    <bgp-traffic-statistics-packet-count>
      bgp-traffic-statistics-packet-count
    </bgp-traffic-statistics-packet-count>
    <bgp-traffic-statistics-byte-count>
      bgp-traffic-statistics-byte-count
    </bgp-traffic-statistics-byte-count>
    <bgp-traffic-statistics-egress-as>
      bgp-traffic-statistics-egress-as
    </bgp-traffic-statistics-egress-as>
    <bgp-traffic-statistics-advertised-fec-label>
      bgp-traffic-statistics-advertised-fec-label
    </bgp-traffic-statistics-advertised-fec-label>
  </bgp-traffic-statistics>
</bgp-traffic-statistics-information>

```

#### Description

### <bgp-traffic-statistics-error>

#### Usage

```

<bgp-traffic-statistics-error>
  <bgp-traffic-error>

```

```
    bgp-traffic-error
  </bgp-traffic-error>
</bgp-traffic-statistics-error>
```

#### Description

### <bgp-traffic-statistics-error>

#### Usage

```
<bgp-traffic-statistics-information>
  <bgp-traffic-statistics-error>
    <bgp-traffic-error>
      bgp-traffic-error
    </bgp-traffic-error>
  </bgp-traffic-statistics-error>
</bgp-traffic-statistics-information>
```

#### Description

### <bgp-traffic-statistics-header>

#### Usage

```
<bgp-traffic-statistics-header>
  <group-name>
    group-name
  </group-name>
  <group-index>
    group-index
  </group-index>
  <nlri-name>
    nlri-name
  </nlri-name>
</bgp-traffic-statistics-header>
```

#### Description

### <bgp-traffic-statistics-header>

#### Usage

```
<bgp-traffic-statistics-information>
  <bgp-traffic-statistics-header>
    <group-name>
      group-name
    </group-name>
    <group-index>
      group-index
    </group-index>
    <nlri-name>
      nlri-name
    </nlri-name>
  </bgp-traffic-statistics-header>
</bgp-traffic-statistics-information>
```

## Description

## &lt;bgp-traffic-statistics-information&gt;

## Usage

```
<bgp-traffic-statistics-information>
  <bgp-traffic-statistics-header>....</bgp-traffic-statistics-header>
  <bgp-traffic-statistics>....</bgp-traffic-statistics>
  <bgp-traffic-statistics-error>....</bgp-traffic-statistics-error>
</bgp-traffic-statistics-information>
```

## Description

## &lt;bgp-unsync-entry&gt;

## Usage

```
<bgp-unsync-entry>
  <usy-iid>
    usy-iid
  </usy-iid>
  <usy-addr>
    usy-addr
  </usy-addr>
  <usy-elapsed>
    usy-elapsed
  </usy-elapsed>
  <usy-flags>
    usy-flags
  </usy-flags>
  <usy-more>
    usy-more
  </usy-more>
</bgp-unsync-entry>
```

## Description

## &lt;bgp-unsync-entry&gt;

## Usage

```
<bgp-standby>
  <bgp-unsync-queue>
    <bgp-unsync-entry>
      <usy-iid>
        usy-iid
      </usy-iid>
      <usy-addr>
        usy-addr
      </usy-addr>
      <usy-elapsed>
        usy-elapsed
      </usy-elapsed>
      <usy-flags>
        usy-flags
      </usy-flags>
```

```
<usy-more>
  usy-more
</usy-more>
</bgp-unsync-entry>
</bgp-unsync-queue>
</bgp-standby>
```

#### Description

### <bgp-unsync-entry>

#### Usage

```
<bgp-standby>
  <bgp-unsync-pending>
    <bgp-unsync-entry>
      <usy-iid>
        usy-iid
      </usy-iid>
      <usy-addr>
        usy-addr
      </usy-addr>
      <usy-elapsed>
        usy-elapsed
      </usy-elapsed>
      <usy-flags>
        usy-flags
      </usy-flags>
      <usy-more>
        usy-more
      </usy-more>
    </bgp-unsync-entry>
  </bgp-unsync-pending>
</bgp-standby>
```

#### Description

### <bgp-unsync-entry>

#### Usage

```
<bgp-sync-information>
  <bgp-standby>
    <bgp-unsync-queue>
      <bgp-unsync-entry>
        <usy-iid>
          usy-iid
        </usy-iid>
        <usy-addr>
          usy-addr
        </usy-addr>
        <usy-elapsed>
          usy-elapsed
        </usy-elapsed>
        <usy-flags>
          usy-flags
```

```

    </usy-flags>
    <usy-more>
      usy-more
    </usy-more>
  </bgp-unsync-entry>
</bgp-unsync-queue>
</bgp-standby>
</bgp-sync-information>

```

#### Description

### <bgp-unsync-entry>

#### Usage

```

<bgp-sync-information>
  <bgp-standby>
    <bgp-unsync-pending>
      <bgp-unsync-entry>
        <usy-iid>
          usy-iid
        </usy-iid>
        <usy-addr>
          usy-addr
        </usy-addr>
        <usy-elapsed>
          usy-elapsed
        </usy-elapsed>
        <usy-flags>
          usy-flags
        </usy-flags>
        <usy-more>
          usy-more
        </usy-more>
      </bgp-unsync-entry>
    </bgp-unsync-pending>
  </bgp-standby>
</bgp-sync-information>

```

#### Description

### <bgp-unsync-pending>

#### Usage

```

<bgp-standby>
  <bgp-unsync-pending>
    <bgp-unsync-entry>.....</bgp-unsync-entry>
  </bgp-unsync-pending>
</bgp-standby>

```

#### Description

## <bgp-unsync-pending>

### Usage

```
<bgp-sync-information>
  <bgp-standby>
    <bgp-unsync-pending>
      <bgp-unsync-entry>....</bgp-unsync-entry>
    </bgp-unsync-pending>
  </bgp-standby>
</bgp-sync-information>
```

### Description

## <bgp-unsync-queue>

### Usage

```
<bgp-standby>
  <bgp-unsync-queue>
    <bgp-unsync-entry>....</bgp-unsync-entry>
  </bgp-unsync-queue>
</bgp-standby>
```

### Description

## <bgp-unsync-queue>

### Usage

```
<bgp-sync-information>
  <bgp-standby>
    <bgp-unsync-queue>
      <bgp-unsync-entry>....</bgp-unsync-entry>
    </bgp-unsync-queue>
  </bgp-standby>
</bgp-sync-information>
```

### Description

## <bootstrap-family>

### Usage

```
<pim-bootstrap-information>
  <bootstrap-family>
    <address-family>
      address-family
    </address-family>
    <address>
      address
    </address>
    <bootstrap-priority>
      bootstrap-priority
    </bootstrap-priority>
    <local-address>
```

```

    local-address
  </local-address>
  <local-priority>
    local-priority
  </local-priority>
  <bootstrap-state>
    bootstrap-state
  </bootstrap-state>
  <bootstrap-timeout>
    bootstrap-timeout
  </bootstrap-timeout>
</bootstrap-family>
</pim-bootstrap-information>

```

## Description

### <bypass-info>

#### Usage

```

<rsvp-interface>
  <bypass-info>
    <lp-status>
      lp-status
    </lp-status>
    <lp-requested>
      lp-requested
    </lp-requested>
    <lp-granted>
      lp-granted
    </lp-granted>
    <lp-failure>
      lp-failure
    </lp-failure>
    <total-bypass>
      total-bypass
    </total-bypass>
    <bypass-name>
      bypass-name
    </bypass-name>
    <bypass-state>
      bypass-state
    </bypass-state>
    <bypass-type>
      bypass-type
    </bypass-type>
    <rsvp-lp-psb-cnt>
      rsvp-lp-psb-cnt
    </rsvp-lp-psb-cnt>
    <rsvp-lp-backup-lsp-cnt>
      rsvp-lp-backup-lsp-cnt
    </rsvp-lp-backup-lsp-cnt>
    <lp-history>....</lp-history>
  </bypass-info>
</rsvp-interface>

```

**Description****<bypass-info>****Usage**

```
<bypass-info>
  <lp-status>
    lp-status
  </lp-status>
  <lp-requested>
    lp-requested
  </lp-requested>
  <lp-granted>
    lp-granted
  </lp-granted>
  <lp-failure>
    lp-failure
  </lp-failure>
  <total-bypass>
    total-bypass
  </total-bypass>
  <bypass-name>
    bypass-name
  </bypass-name>
  <bypass-state>
    bypass-state
  </bypass-state>
  <bypass-type>
    bypass-type
  </bypass-type>
  <rsvp-lp-psb-cnt>
    rsvp-lp-psb-cnt
  </rsvp-lp-psb-cnt>
  <rsvp-lp-backup-lsp-cnt>
    rsvp-lp-backup-lsp-cnt
  </rsvp-lp-backup-lsp-cnt>
  <lp-history>....</lp-history>
</bypass-info>
```

**Description****<bypass-info>****Usage**

```
<rsvp-interface-information>
  <rsvp-interface>
    <bypass-info>
      <lp-status>
        lp-status
      </lp-status>
      <lp-requested>
        lp-requested
      </lp-requested>
      <lp-granted>
        lp-granted
```



```

</lp-granted>
<lp-failure>
  lp-failure
</lp-failure>
<total-bypass>
  total-bypass
</total-bypass>
<bypass-name>
  bypass-name
</bypass-name>
<bypass-state>
  bypass-state
</bypass-state>
<bypass-type>
  bypass-type
</bypass-type>
<rsvp-lp-psb-cnt>
  rsvp-lp-psb-cnt
</rsvp-lp-psb-cnt>
<rsvp-lp-backup-lsp-cnt>
  rsvp-lp-backup-lsp-cnt
</rsvp-lp-backup-lsp-cnt>
<lp-history>....</lp-history>
</bypass-info>
</rsvp-interface>
</rsvp-interface-information>

```

#### Description

#### <c-multicast-ipv4>

##### Usage

```

<instance>
  <c-multicast-ipv4>
    <c-multicast-ipv4-entry>....</c-multicast-ipv4-entry>
  </c-multicast-ipv4>
</instance>

```

#### Description

#### <c-multicast-ipv4>

##### Usage

```

<l2vpn-connection-information>
  <instance>
    <c-multicast-ipv4>
      <c-multicast-ipv4-entry>....</c-multicast-ipv4-entry>
    </c-multicast-ipv4>
  </instance>
</l2vpn-connection-information>

```

#### Description

## <c-multicast-ipv4>

### Usage

```
<vpls-connection-information>
  <instance>
    <c-multicast-ipv4>
      <c-multicast-ipv4-entry>....</c-multicast-ipv4-entry>
    </c-multicast-ipv4>
  </instance>
</vpls-connection-information>
```

### Description

## <c-multicast-ipv4>

### Usage

```
<vpls-statistics-information>
  <instance>
    <c-multicast-ipv4>
      <c-multicast-ipv4-entry>....</c-multicast-ipv4-entry>
    </c-multicast-ipv4>
  </instance>
</vpls-statistics-information>
```

### Description

## <c-multicast-ipv4>

### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <c-multicast-ipv4>
      <c-multicast-ipv4-entry>....</c-multicast-ipv4-entry>
    </c-multicast-ipv4>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

### Description

## <c-multicast-ipv4>

### Usage

```
<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <c-multicast-ipv4>
        <c-multicast-ipv4-entry>....</c-multicast-ipv4-entry>
      </c-multicast-ipv4>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

**Description****<c-multicast-ipv4>****Usage**

```
<c-multicast-ipv4>
  <c-multicast-ipv4-entry>....</c-multicast-ipv4-entry>
</c-multicast-ipv4>
```

**Description****<c-multicast-ipv4>****Usage**

```
<instance-entry>
  <c-multicast-ipv4>
    <c-multicast-ipv4-entry>....</c-multicast-ipv4-entry>
  </c-multicast-ipv4>
</instance-entry>
```

**Description****<c-multicast-ipv4>****Usage**

```
<mvpn-instance>
  <instance-entry>
    <c-multicast-ipv4>
      <c-multicast-ipv4-entry>....</c-multicast-ipv4-entry>
    </c-multicast-ipv4>
  </instance-entry>
</mvpn-instance>
```

**Description****<c-multicast-ipv4>****Usage**

```
<mvpn-instance-information>
  <mvpn-instance>
    <instance-entry>
      <c-multicast-ipv4>
        <c-multicast-ipv4-entry>....</c-multicast-ipv4-entry>
      </c-multicast-ipv4>
    </instance-entry>
  </mvpn-instance>
</mvpn-instance-information>
```

**Description**

## <c-multicast-ipv4>

### Usage

```
<mvpn-instance-information>
  <instance>
    <c-multicast-ipv4>
      <c-multicast-ipv4-entry>....</c-multicast-ipv4-entry>
    </c-multicast-ipv4>
  </instance>
</mvpn-instance-information>
```

### Description

## <c-multicast-ipv4-entry>

### Usage

```
<instance>
  <c-multicast-ipv4>
    <c-multicast-ipv4-entry>
      <c-multicast-address>
        c-multicast-address
      </c-multicast-address>
      <provider-tunnel-id>
        provider-tunnel-id
      </provider-tunnel-id>
      <c-multicast-property>
        c-multicast-property
      </c-multicast-property>
    </c-multicast-ipv4-entry>
  </c-multicast-ipv4>
</instance>
```

### Description

## <c-multicast-ipv4-entry>

### Usage

```
<l2vpn-connection-information>
  <instance>
    <c-multicast-ipv4>
      <c-multicast-ipv4-entry>
        <c-multicast-address>
          c-multicast-address
        </c-multicast-address>
        <provider-tunnel-id>
          provider-tunnel-id
        </provider-tunnel-id>
        <c-multicast-property>
          c-multicast-property
        </c-multicast-property>
      </c-multicast-ipv4-entry>
    </c-multicast-ipv4>
  </instance>
```

```
</l2vpn-connection-information>
```

#### Description

### <c-multicast-ipv4-entry>

#### Usage

```
<vpls-connection-information>
<instance>
  <c-multicast-ipv4>
    <c-multicast-ipv4-entry>
      <c-multicast-address>
        c-multicast-address
      </c-multicast-address>
      <provider-tunnel-id>
        provider-tunnel-id
      </provider-tunnel-id>
      <c-multicast-property>
        c-multicast-property
      </c-multicast-property>
    </c-multicast-ipv4-entry>
  </c-multicast-ipv4>
</instance>
</vpls-connection-information>
```

#### Description

### <c-multicast-ipv4-entry>

#### Usage

```
<vpls-statistics-information>
<instance>
  <c-multicast-ipv4>
    <c-multicast-ipv4-entry>
      <c-multicast-address>
        c-multicast-address
      </c-multicast-address>
      <provider-tunnel-id>
        provider-tunnel-id
      </provider-tunnel-id>
      <c-multicast-property>
        c-multicast-property
      </c-multicast-property>
    </c-multicast-ipv4-entry>
  </c-multicast-ipv4>
</instance>
</vpls-statistics-information>
```

#### Description

## <c-multicast-ipv4-entry>

### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <c-multicast-ipv4>
      <c-multicast-ipv4-entry>
        <c-multicast-address>
          c-multicast-address
        </c-multicast-address>
        <provider-tunnel-id>
          provider-tunnel-id
        </provider-tunnel-id>
        <c-multicast-property>
          c-multicast-property
        </c-multicast-property>
      </c-multicast-ipv4-entry>
    </c-multicast-ipv4>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

### Description

## <c-multicast-ipv4-entry>

### Usage

```
<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <c-multicast-ipv4>
        <c-multicast-ipv4-entry>
          <c-multicast-address>
            c-multicast-address
          </c-multicast-address>
          <provider-tunnel-id>
            provider-tunnel-id
          </provider-tunnel-id>
          <c-multicast-property>
            c-multicast-property
          </c-multicast-property>
        </c-multicast-ipv4-entry>
      </c-multicast-ipv4>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

### Description

## <c-multicast-ipv4-entry>

### Usage

```
<c-multicast-ipv4-entry>
  <c-multicast-address>
```

```

    c-multicast-address
  </c-multicast-address>
  <provider-tunnel-id>
    provider-tunnel-id
  </provider-tunnel-id>
  <c-multicast-property>
    c-multicast-property
  </c-multicast-property>
</c-multicast-ipv4-entry>

```

#### Description

### <c-multicast-ipv4-entry>

#### Usage

```

<c-multicast-ipv4>
  <c-multicast-ipv4-entry>
    <c-multicast-address>
      c-multicast-address
    </c-multicast-address>
    <provider-tunnel-id>
      provider-tunnel-id
    </provider-tunnel-id>
    <c-multicast-property>
      c-multicast-property
    </c-multicast-property>
  </c-multicast-ipv4-entry>
</c-multicast-ipv4>

```

#### Description

### <c-multicast-ipv4-entry>

#### Usage

```

<instance-entry>
  <c-multicast-ipv4>
    <c-multicast-ipv4-entry>
      <c-multicast-address>
        c-multicast-address
      </c-multicast-address>
      <provider-tunnel-id>
        provider-tunnel-id
      </provider-tunnel-id>
      <c-multicast-property>
        c-multicast-property
      </c-multicast-property>
    </c-multicast-ipv4-entry>
  </c-multicast-ipv4>
</instance-entry>

```

#### Description

## <c-multicast-ipv4-entry>

### Usage

```
<mvpn-instance>
<instance-entry>
  <c-multicast-ipv4>
    <c-multicast-ipv4-entry>
      <c-multicast-address>
        c-multicast-address
      </c-multicast-address>
      <provider-tunnel-id>
        provider-tunnel-id
      </provider-tunnel-id>
      <c-multicast-property>
        c-multicast-property
      </c-multicast-property>
    </c-multicast-ipv4-entry>
  </c-multicast-ipv4>
</instance-entry>
</mvpn-instance>
```

### Description

## <c-multicast-ipv4-entry>

### Usage

```
<mvpn-instance-information>
<mvpn-instance>
  <instance-entry>
    <c-multicast-ipv4>
      <c-multicast-ipv4-entry>
        <c-multicast-address>
          c-multicast-address
        </c-multicast-address>
        <provider-tunnel-id>
          provider-tunnel-id
        </provider-tunnel-id>
        <c-multicast-property>
          c-multicast-property
        </c-multicast-property>
      </c-multicast-ipv4-entry>
    </c-multicast-ipv4>
  </instance-entry>
</mvpn-instance>
</mvpn-instance-information>
```

### Description

## <c-multicast-ipv4-entry>

### Usage

```
<mvpn-instance-information>
<instance>
```



```

<c-multicast-ipv4>
  <c-multicast-ipv4-entry>
    <c-multicast-address>
      c-multicast-address
    </c-multicast-address>
    <provider-tunnel-id>
      provider-tunnel-id
    </provider-tunnel-id>
    <c-multicast-property>
      c-multicast-property
    </c-multicast-property>
  </c-multicast-ipv4-entry>
</c-multicast-ipv4>
</instance>
</mvpn-instance-information>

```

**Description****<c-multicast-ipv6>****Usage**

```

<instance>
  <c-multicast-ipv6>
    <c-multicast-ipv6-entry>....</c-multicast-ipv6-entry>
  </c-multicast-ipv6>
</instance>

```

**Description****<c-multicast-ipv6>****Usage**

```

<l2vpn-connection-information>
  <instance>
    <c-multicast-ipv6>
      <c-multicast-ipv6-entry>....</c-multicast-ipv6-entry>
    </c-multicast-ipv6>
  </instance>
</l2vpn-connection-information>

```

**Description****<c-multicast-ipv6>****Usage**

```

<vpls-connection-information>
  <instance>
    <c-multicast-ipv6>
      <c-multicast-ipv6-entry>....</c-multicast-ipv6-entry>
    </c-multicast-ipv6>
  </instance>
</vpls-connection-information>

```

**Description****<c-multicast-ipv6>****Usage**

```
<vpls-statistics-information>
  <instance>
    <c-multicast-ipv6>
      <c-multicast-ipv6-entry>....</c-multicast-ipv6-entry>
    </c-multicast-ipv6>
  </instance>
</vpls-statistics-information>
```

**Description****<c-multicast-ipv6>****Usage**

```
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <c-multicast-ipv6>
      <c-multicast-ipv6-entry>....</c-multicast-ipv6-entry>
    </c-multicast-ipv6>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

**Description****<c-multicast-ipv6>****Usage**

```
<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <c-multicast-ipv6>
        <c-multicast-ipv6-entry>....</c-multicast-ipv6-entry>
      </c-multicast-ipv6>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

**Description****<c-multicast-ipv6>****Usage**

```
<c-multicast-ipv6>
  <c-multicast-ipv6-entry>....</c-multicast-ipv6-entry>
</c-multicast-ipv6>
```

**Description**

**<c-multicast-ipv6>****Usage**

```
<instance-entry>
  <c-multicast-ipv6>
    <c-multicast-ipv6-entry>....</c-multicast-ipv6-entry>
  </c-multicast-ipv6>
</instance-entry>
```

**Description****<c-multicast-ipv6>****Usage**

```
<mvpn-instance>
  <instance-entry>
    <c-multicast-ipv6>
      <c-multicast-ipv6-entry>....</c-multicast-ipv6-entry>
    </c-multicast-ipv6>
  </instance-entry>
</mvpn-instance>
```

**Description****<c-multicast-ipv6>****Usage**

```
<mvpn-instance-information>
  <mvpn-instance>
    <instance-entry>
      <c-multicast-ipv6>
        <c-multicast-ipv6-entry>....</c-multicast-ipv6-entry>
      </c-multicast-ipv6>
    </instance-entry>
  </mvpn-instance>
</mvpn-instance-information>
```

**Description****<c-multicast-ipv6>****Usage**

```
<mvpn-instance-information>
  <instance>
    <c-multicast-ipv6>
      <c-multicast-ipv6-entry>....</c-multicast-ipv6-entry>
    </c-multicast-ipv6>
  </instance>
</mvpn-instance-information>
```

**Description**

## <c-multicast-ipv6-entry>

### Usage

```
<instance>
  <c-multicast-ipv6>
    <c-multicast-ipv6-entry>
      <c-multicast-address>
        c-multicast-address
      </c-multicast-address>
      <provider-tunnel-id>
        provider-tunnel-id
      </provider-tunnel-id>
      <c-multicast-property>
        c-multicast-property
      </c-multicast-property>
    </c-multicast-ipv6-entry>
  </c-multicast-ipv6>
</instance>
```

### Description

## <c-multicast-ipv6-entry>

### Usage

```
<l2vpn-connection-information>
  <instance>
    <c-multicast-ipv6>
      <c-multicast-ipv6-entry>
        <c-multicast-address>
          c-multicast-address
        </c-multicast-address>
        <provider-tunnel-id>
          provider-tunnel-id
        </provider-tunnel-id>
        <c-multicast-property>
          c-multicast-property
        </c-multicast-property>
      </c-multicast-ipv6-entry>
    </c-multicast-ipv6>
  </instance>
</l2vpn-connection-information>
```

### Description

## <c-multicast-ipv6-entry>

### Usage

```
<vpls-connection-information>
  <instance>
    <c-multicast-ipv6>
      <c-multicast-ipv6-entry>
        <c-multicast-address>
          c-multicast-address
        </c-multicast-address>
      </c-multicast-ipv6-entry>
    </c-multicast-ipv6>
  </instance>
</vpls-connection-information>
```

```

    </c-multicast-address>
    <provider-tunnel-id>
      provider-tunnel-id
    </provider-tunnel-id>
    <c-multicast-property>
      c-multicast-property
    </c-multicast-property>
  </c-multicast-ipv6-entry>
</c-multicast-ipv6>
</instance>
</vpls-connection-information>

```

#### Description

### <c-multicast-ipv6-entry>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <c-multicast-ipv6>
      <c-multicast-ipv6-entry>
        <c-multicast-address>
          c-multicast-address
        </c-multicast-address>
        <provider-tunnel-id>
          provider-tunnel-id
        </provider-tunnel-id>
        <c-multicast-property>
          c-multicast-property
        </c-multicast-property>
      </c-multicast-ipv6-entry>
    </c-multicast-ipv6>
  </instance>
</vpls-statistics-information>

```

#### Description

### <c-multicast-ipv6-entry>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <c-multicast-ipv6>
      <c-multicast-ipv6-entry>
        <c-multicast-address>
          c-multicast-address
        </c-multicast-address>
        <provider-tunnel-id>
          provider-tunnel-id
        </provider-tunnel-id>
        <c-multicast-property>
          c-multicast-property
        </c-multicast-property>
      </c-multicast-ipv6-entry>
    </c-multicast-ipv6>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

```
</c-multicast-ipv6>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

#### Description

### <c-multicast-ipv6-entry>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <c-multicast-ipv6>
      <c-multicast-ipv6-entry>
        <c-multicast-address>
          c-multicast-address
        </c-multicast-address>
        <provider-tunnel-id>
          provider-tunnel-id
        </provider-tunnel-id>
        <c-multicast-property>
          c-multicast-property
        </c-multicast-property>
      </c-multicast-ipv6-entry>
    </c-multicast-ipv6>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

#### Description

### <c-multicast-ipv6-entry>

#### Usage

```
<c-multicast-ipv6-entry>
  <c-multicast-address>
    c-multicast-address
  </c-multicast-address>
  <provider-tunnel-id>
    provider-tunnel-id
  </provider-tunnel-id>
  <c-multicast-property>
    c-multicast-property
  </c-multicast-property>
</c-multicast-ipv6-entry>
```

#### Description

### <c-multicast-ipv6-entry>

#### Usage

```
<c-multicast-ipv6>
  <c-multicast-ipv6-entry>
```

```

<c-multicast-address>
  c-multicast-address
</c-multicast-address>
<provider-tunnel-id>
  provider-tunnel-id
</provider-tunnel-id>
<c-multicast-property>
  c-multicast-property
</c-multicast-property>
</c-multicast-ipv6-entry>
</c-multicast-ipv6>

```

#### Description

### <c-multicast-ipv6-entry>

#### Usage

```

<instance-entry>
  <c-multicast-ipv6>
    <c-multicast-ipv6-entry>
      <c-multicast-address>
        c-multicast-address
      </c-multicast-address>
      <provider-tunnel-id>
        provider-tunnel-id
      </provider-tunnel-id>
      <c-multicast-property>
        c-multicast-property
      </c-multicast-property>
    </c-multicast-ipv6-entry>
  </c-multicast-ipv6>
</instance-entry>

```

#### Description

### <c-multicast-ipv6-entry>

#### Usage

```

<mvpn-instance>
  <instance-entry>
    <c-multicast-ipv6>
      <c-multicast-ipv6-entry>
        <c-multicast-address>
          c-multicast-address
        </c-multicast-address>
        <provider-tunnel-id>
          provider-tunnel-id
        </provider-tunnel-id>
        <c-multicast-property>
          c-multicast-property
        </c-multicast-property>
      </c-multicast-ipv6-entry>
    </c-multicast-ipv6>
  </instance-entry>

```

</mvpn-instance>

#### Description

### <c-multicast-ipv6-entry>

#### Usage

```
<mvpn-instance-information>
<mvpn-instance>
  <instance-entry>
    <c-multicast-ipv6>
      <c-multicast-ipv6-entry>
        <c-multicast-address>
          c-multicast-address
        </c-multicast-address>
        <provider-tunnel-id>
          provider-tunnel-id
        </provider-tunnel-id>
        <c-multicast-property>
          c-multicast-property
        </c-multicast-property>
      </c-multicast-ipv6-entry>
    </c-multicast-ipv6>
  </instance-entry>
</mvpn-instance>
</mvpn-instance-information>
```

#### Description

### <c-multicast-ipv6-entry>

#### Usage

```
<mvpn-instance-information>
<instance>
  <c-multicast-ipv6>
    <c-multicast-ipv6-entry>
      <c-multicast-address>
        c-multicast-address
      </c-multicast-address>
      <provider-tunnel-id>
        provider-tunnel-id
      </provider-tunnel-id>
      <c-multicast-property>
        c-multicast-property
      </c-multicast-property>
    </c-multicast-ipv6-entry>
  </c-multicast-ipv6>
</instance>
</mvpn-instance-information>
```

#### Description



### <c-multicast-ipv6-summary>

#### Usage

```
<c-multicast-ipv6-summary>
  <c-multicast-ipv6-count>
    c-multicast-ipv6-count
  </c-multicast-ipv6-count>
</c-multicast-ipv6-summary>
```

#### Description

### <c-multicast-ipv6-summary>

#### Usage

```
<instance-entry-summary>
  <c-multicast-ipv6-summary>
    <c-multicast-ipv6-count>
      c-multicast-ipv6-count
    </c-multicast-ipv6-count>
  </c-multicast-ipv6-summary>
</instance-entry-summary>
```

#### Description

### <c-multicast-ipv6-summary>

#### Usage

```
<mvpn-instance>
  <instance-entry-summary>
    <c-multicast-ipv6-summary>
      <c-multicast-ipv6-count>
        c-multicast-ipv6-count
      </c-multicast-ipv6-count>
    </c-multicast-ipv6-summary>
  </instance-entry-summary>
</mvpn-instance>
```

#### Description

### <c-multicast-ipv6-summary>

#### Usage

```
<mvpn-instance-information>
  <mvpn-instance>
    <instance-entry-summary>
      <c-multicast-ipv6-summary>
        <c-multicast-ipv6-count>
          c-multicast-ipv6-count
        </c-multicast-ipv6-count>
      </c-multicast-ipv6-summary>
    </instance-entry-summary>
  </mvpn-instance>
```

</mvpn-instance-information>

#### Description

### <c-multicast-summary>

#### Usage

```
<c-multicast-summary>
  <c-multicast-ipv4-count>
    c-multicast-ipv4-count
  </c-multicast-ipv4-count>
</c-multicast-summary>
```

#### Description

### <c-multicast-summary>

#### Usage

```
<instance-entry-summary>
  <c-multicast-summary>
    <c-multicast-ipv4-count>
      c-multicast-ipv4-count
    </c-multicast-ipv4-count>
  </c-multicast-summary>
</instance-entry-summary>
```

#### Description

### <c-multicast-summary>

#### Usage

```
<mvpn-instance>
  <instance-entry-summary>
    <c-multicast-summary>
      <c-multicast-ipv4-count>
        c-multicast-ipv4-count
      </c-multicast-ipv4-count>
    </c-multicast-summary>
  </instance-entry-summary>
</mvpn-instance>
```

#### Description

### <c-multicast-summary>

#### Usage

```
<mvpn-instance-information>
  <mvpn-instance>
    <instance-entry-summary>
      <c-multicast-summary>
        <c-multicast-ipv4-count>
          c-multicast-ipv4-count
        </c-multicast-ipv4-count>
      </c-multicast-summary>
    </instance-entry-summary>
  </mvpn-instance>
</mvpn-instance-information>
```

```

        </c-multicast-ipv4-count>
      </c-multicast-summary>
    </instance-entry-summary>
  </mvpn-instance>
</mvpn-instance-information>

```

## Description

### <ccc-connection>

#### Usage

```

<ccc-connection>
  <ccc-connection-name>
    ccc-connection-name
  </ccc-connection-name>
  <ccc-connection-type>
    ccc-connection-type
  </ccc-connection-type>
  <ccc-connection-status>
    ccc-connection-status
  </ccc-connection-status>
  <ccc-connection-last-uptime>
    ccc-connection-last-uptime
  </ccc-connection-last-uptime>
  <ccc-connection-up-transitions>
    ccc-connection-up-transitions
  </ccc-connection-up-transitions>
  <ccc-connection-circuit>....</ccc-connection-circuit>
  <ccc-connection-in-labels>....</ccc-connection-in-labels>
  <ccc-connection-out-labels>....</ccc-connection-out-labels>
  <ccc-connection-history>....</ccc-connection-history>
</ccc-connection>

```

## Description

### <ccc-connection>

#### Usage

```

<ccc-information>
  <ccc-connection>
    <ccc-connection-name>
      ccc-connection-name
    </ccc-connection-name>
    <ccc-connection-type>
      ccc-connection-type
    </ccc-connection-type>
    <ccc-connection-status>
      ccc-connection-status
    </ccc-connection-status>
    <ccc-connection-last-uptime>
      ccc-connection-last-uptime
    </ccc-connection-last-uptime>
    <ccc-connection-up-transitions>
      ccc-connection-up-transitions

```

```
</ccc-connection-up-transitions>
<ccc-connection-circuit>....</ccc-connection-circuit>
<ccc-connection-in-labels>....</ccc-connection-in-labels>
<ccc-connection-out-labels>....</ccc-connection-out-labels>
<ccc-connection-history>....</ccc-connection-history>
</ccc-connection>
</ccc-information>
```

#### Description

### <ccc-connection-circuit>

#### Usage

```
<ccc-connection>
  <ccc-connection-circuit>
    <ccc-circuit-name>
      ccc-circuit-name
    </ccc-circuit-name>
    <ccc-circuit-type>
      ccc-circuit-type
    </ccc-circuit-type>
    <ccc-circuit-status>
      ccc-circuit-status
    </ccc-circuit-status>
  </ccc-connection-circuit>
</ccc-connection>
```

#### Description

### <ccc-connection-circuit>

#### Usage

```
<ccc-information>
  <ccc-connection>
    <ccc-connection-circuit>
      <ccc-circuit-name>
        ccc-circuit-name
      </ccc-circuit-name>
      <ccc-circuit-type>
        ccc-circuit-type
      </ccc-circuit-type>
      <ccc-circuit-status>
        ccc-circuit-status
      </ccc-circuit-status>
    </ccc-connection-circuit>
  </ccc-connection>
</ccc-information>
```

#### Description

**<ccc-connection-history>****Usage**

```

<ccc-connection>
  <ccc-connection-history>
    <ccc-connection-history-log>....</ccc-connection-history-log>
  </ccc-connection-history>
</ccc-connection>

```

**Description****<ccc-connection-history>****Usage**

```

<ccc-information>
  <ccc-connection>
    <ccc-connection-history>
      <ccc-connection-history-log>....</ccc-connection-history-log>
    </ccc-connection-history>
  </ccc-connection>
</ccc-information>

```

**Description****<ccc-connection-history-log>****Usage**

```

<ccc-connection>
  <ccc-connection-history>
    <ccc-connection-history-log>
      <event-time>
        event-time
      </event-time>
      <event-name>
        event-name
      </event-name>
      <interface-label-info>
        interface-label-info
      </interface-label-info>
      <receive-lsp-count>
        receive-lsp-count
      </receive-lsp-count>
      <transmit-lsp-count>
        transmit-lsp-count
      </transmit-lsp-count>
    </ccc-connection-history-log>
  </ccc-connection-history>
</ccc-connection>

```

**Description**

## <ccc-connection-history-log>

### Usage

```
<ccc-information>
  <ccc-connection>
    <ccc-connection-history>
      <ccc-connection-history-log>
        <event-time>
          event-time
        </event-time>
        <event-name>
          event-name
        </event-name>
        <interface-label-info>
          interface-label-info
        </interface-label-info>
        <receive-lsp-count>
          receive-lsp-count
        </receive-lsp-count>
        <transmit-lsp-count>
          transmit-lsp-count
        </transmit-lsp-count>
      </ccc-connection-history-log>
    </ccc-connection-history>
  </ccc-connection>
</ccc-information>
```

### Description

## <ccc-connection-in-labels>

### Usage

```
<ccc-connection>
  <ccc-connection-in-labels>
    <mpls-label>
      mpls-label
    </mpls-label>
    <no-label>
      no-label
    </no-label>
  </ccc-connection-in-labels>
</ccc-connection>
```

**Description** Incoming labels for this CCC connection

## <ccc-connection-in-labels>

### Usage

```
<ccc-information>
  <ccc-connection>
    <ccc-connection-in-labels>
      <mpls-label>
        mpls-label
      </mpls-label>
    </ccc-connection-in-labels>
  </ccc-connection>
</ccc-information>
```

```

    </mpls-label>
    <no-label>
    no-label
  </no-label>
</ccc-connection-in-labels>
</ccc-connection>
</ccc-information>

```

**Description** Incoming labels for this CCC connection

### <ccc-connection-out-labels>

#### Usage

```

<ccc-connection>
  <ccc-connection-out-labels>
    <mpls-label>
    mpls-label
    </mpls-label>
    <no-label>
    no-label
    </no-label>
  </ccc-connection-out-labels>
</ccc-connection>

```

**Description** Outgoing labels for this CCC connection

### <ccc-connection-out-labels>

#### Usage

```

<ccc-information>
  <ccc-connection>
    <ccc-connection-out-labels>
      <mpls-label>
      mpls-label
      </mpls-label>
      <no-label>
      no-label
      </no-label>
    </ccc-connection-out-labels>
  </ccc-connection>
</ccc-information>

```

**Description** Outgoing labels for this CCC connection

### <ccc-information>

#### Usage

```

<ccc-information>
  <ccc-no-connections>
  ccc-no-connections
</ccc-no-connections>

```

```
<ccc-link-monitoring-status>
  ccc-link-monitoring-status
</ccc-link-monitoring-status>
<ccc-restarting>
  ccc-restarting
</ccc-restarting>
<ccc-connection>....</ccc-connection>
</ccc-information>
```

## Description

### <communities>

#### Usage

```
<route-information>
<route-table>
  <rt>
    <rt-entry>
      <communities>
        <community>
          community
        </community>
        <extended-community>
          extended-community
        </extended-community>
      </communities>
    </rt-entry>
  </rt>
</route-table>
</route-information>
```

## Description

### <communities>

#### Usage

```
<route-information>
<route-table>
  <rt>
    <rt-entry>
      <attrset>
        <communities>
          <community>
            community
          </community>
          <extended-community>
            extended-community
          </extended-community>
        </communities>
      </attrset>
    </rt-entry>
  </rt>
</route-table>
```



```
</route-information>
```

#### Description

**<communities>**

#### Usage

```
<route-information>
<route-table>
<rt>
  <communities>
    <community>
      community
    </community>
    <extended-community>
      extended-community
    </extended-community>
  </communities>
</rt>
</route-table>
</route-information>
```

#### Description

**<communities>**

#### Usage

```
<route-summary-information>
<route-table>
<rt>
  <rt-entry>
    <communities>
      <community>
        community
      </community>
      <extended-community>
        extended-community
      </extended-community>
    </communities>
  </rt-entry>
</rt>
</route-table>
</route-summary-information>
```

#### Description

**<communities>**

#### Usage

```
<route-summary-information>
<route-table>
<rt>
  <rt-entry>
```

```
<attrset>
  <communities>
    <community>
      community
    </community>
    <extended-community>
      extended-community
    </extended-community>
  </communities>
</attrset>
</rt-entry>
</rt>
</route-table>
</route-summary-information>
```

#### Description

#### <communities>

##### Usage

```
<route-summary-information>
<route-table>
<rt>
  <communities>
    <community>
      community
    </community>
    <extended-community>
      extended-community
    </extended-community>
  </communities>
</rt>
</route-table>
</route-summary-information>
```

#### Description

#### <connection>

##### Usage

```
<connection>
  <connection-id>
    connection-id
  </connection-id>
  <connection-type>
    connection-type
  </connection-type>
  <connection-status>
    connection-status
  </connection-status>
  <last-change>
    last-change
  </last-change>
  <up-transitions>
```

```

    up-transitions
  </up-transitions>
  <local-interface>....</local-interface>
  <remote-interface>....</remote-interface>
  <remote-pe>
    remote-pe
  </remote-pe>
  <control-word>
    control-word
  </control-word>
  <control-word-type>
    control-word-type
  </control-word-type>
  <interface-encapsulation>
    interface-encapsulation
  </interface-encapsulation>
  <inbound-label>
    inbound-label
  </inbound-label>
  <outbound-label>
    outbound-label
  </outbound-label>
  <connection-bandwidth>....</connection-bandwidth>
  <vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>
  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <egress-protection-protector>....</egress-protection-protector>
  <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>
</connection>

```

## Description

## <connection>

### Usage

```
<mesh-group-connection>
  <connection>
    <connection-id>
      connection-id
    </connection-id>
    <connection-type>
      connection-type
    </connection-type>
    <connection-status>
      connection-status
    </connection-status>
    <last-change>
      last-change
    </last-change>
    <up-transitions>
      up-transitions
    </up-transitions>
    <local-interface>....</local-interface>
    <remote-interface>....</remote-interface>
    <remote-pe>
      remote-pe
    </remote-pe>
    <control-word>
      control-word
    </control-word>
    <control-word-type>
      control-word-type
    </control-word-type>
    <interface-encapsulation>
      interface-encapsulation
    </interface-encapsulation>
    <inbound-label>
      inbound-label
    </inbound-label>
    <outbound-label>
      outbound-label
    </outbound-label>
    <connection-bandwidth>....</connection-bandwidth>
    <vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

    <connection-protection>
      connection-protection
    </connection-protection>
    <history>....</history>
    <l2vpn-local-site-id>
      l2vpn-local-site-id
    </l2vpn-local-site-id>
    <l2vpn-remote-site-id>
      l2vpn-remote-site-id
    </l2vpn-remote-site-id>
    <pw-status-tlv>
      pw-status-tlv
```

```

</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>
</connection>
</mesh-group-connection>

```

## Description

### <connection>

## Usage

```

<instance>
  <reference-site>
    <connection>
      <connection-id>
        connection-id
      </connection-id>
      <connection-type>
        connection-type
      </connection-type>
      <connection-status>
        connection-status
      </connection-status>
      <last-change>
        last-change
      </last-change>
      <up-transitions>
        up-transitions
      </up-transitions>
      <local-interface>....</local-interface>
      <remote-interface>....</remote-interface>
      <remote-pe>
        remote-pe
      </remote-pe>
      <control-word>
        control-word
      </control-word>
      <control-word-type>
        control-word-type
      </control-word-type>
      <interface-encapsulation>
        interface-encapsulation
      </interface-encapsulation>
      <inbound-label>
        inbound-label
      </inbound-label>
    </connection>
  </reference-site>
</instance>

```

```
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>
<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>
</connection>
</reference-site>
</instance>
```

## Description

### <connection>

#### Usage

```
<instance>
<reference-site>
<mesh-group-connection>
  <connection>
    <connection-id>
      connection-id
    </connection-id>
    <connection-type>
      connection-type
    </connection-type>
    <connection-status>
      connection-status
    </connection-status>
    <last-change>
      last-change
    </last-change>
```

```

<up-transitions>
  up-transitions
</up-transitions>
<local-interface>....</local-interface>
<remote-interface>....</remote-interface>
<remote-pe>
  remote-pe
</remote-pe>
<control-word>
  control-word
</control-word>
<control-word-type>
  control-word-type
</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>
<vppls-rsvp-te-p2mp-lsp-information>....</vppls-rsvp-te-p2mp-lsp-information>

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</reference-site>
</instance>

```

**Description****<connection>****Usage**

```
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <connection-id>
        connection-id
      </connection-id>
      <connection-type>
        connection-type
      </connection-type>
      <connection-status>
        connection-status
      </connection-status>
      <last-change>
        last-change
      </last-change>
      <up-transitions>
        up-transitions
      </up-transitions>
      <local-interface>....</local-interface>
      <remote-interface>....</remote-interface>
      <remote-pe>
        remote-pe
      </remote-pe>
      <control-word>
        control-word
      </control-word>
      <control-word-type>
        control-word-type
      </control-word-type>
      <interface-encapsulation>
        interface-encapsulation
      </interface-encapsulation>
      <inbound-label>
        inbound-label
      </inbound-label>
      <outbound-label>
        outbound-label
      </outbound-label>
      <connection-bandwidth>....</connection-bandwidth>
    <vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

    <connection-protection>
      connection-protection
    </connection-protection>
    <history>....</history>
    <l2vpn-local-site-id>
      l2vpn-local-site-id
    </l2vpn-local-site-id>
    <l2vpn-remote-site-id>
      l2vpn-remote-site-id
    </l2vpn-remote-site-id>
```



```

<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>
</connection>
</ldp-vpls-reference-site>
</instance>

```

## Description

### <connection>

#### Usage

```

<instance>
<ldp-vpls-reference-site>
<mesh-group-connection>
  <connection>
    <connection-id>
      connection-id
    </connection-id>
    <connection-type>
      connection-type
    </connection-type>
    <connection-status>
      connection-status
    </connection-status>
    <last-change>
      last-change
    </last-change>
    <up-transitions>
      up-transitions
    </up-transitions>
    <local-interface>....</local-interface>
    <remote-interface>....</remote-interface>
    <remote-pe>
      remote-pe
    </remote-pe>
    <control-word>
      control-word
    </control-word>
    <control-word-type>
      control-word-type
    </control-word-type>
    <interface-encapsulation>
      interface-encapsulation

```

```
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>
<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
```

## Description

### <connection>

#### Usage

```
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <connection-id>
          connection-id
        </connection-id>
        <connection-type>
          connection-type
        </connection-type>
```

```

<connection-status>
  connection-status
</connection-status>
<last-change>
  last-change
</last-change>
<up-transitions>
  up-transitions
</up-transitions>
<local-interface>....</local-interface>
<remote-interface>....</remote-interface>
<remote-pe>
  remote-pe
</remote-pe>
<control-word>
  control-word
</control-word>
<control-word-type>
  control-word-type
</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>
<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

```

```
</connection>
</mesh-group-connection>
</vpls-protocol-state>
</instance>
```

## Description

### <connection>

#### Usage

```
<instance>
<vpls-protocol-state>
<reference-site>
<connection>
  <connection-id>
    connection-id
  </connection-id>
  <connection-type>
    connection-type
  </connection-type>
  <connection-status>
    connection-status
  </connection-status>
  <last-change>
    last-change
  </last-change>
  <up-transitions>
    up-transitions
  </up-transitions>
  <local-interface>....</local-interface>
  <remote-interface>....</remote-interface>
  <remote-pe>
    remote-pe
  </remote-pe>
  <control-word>
    control-word
  </control-word>
  <control-word-type>
    control-word-type
  </control-word-type>
  <interface-encapsulation>
    interface-encapsulation
  </interface-encapsulation>
  <inbound-label>
    inbound-label
  </inbound-label>
  <outbound-label>
    outbound-label
  </outbound-label>
  <connection-bandwidth>....</connection-bandwidth>
<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

  <connection-protection>
    connection-protection
```

```

</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</reference-site>
</vpls-protocol-state>
</instance>

```

## Description

### <connection>

#### Usage

```

<instance>
<vpls-protocol-state>
<reference-site>
<mesh-group-connection>
<connection>
  <connection-id>
    connection-id
  </connection-id>
  <connection-type>
    connection-type
  </connection-type>
  <connection-status>
    connection-status
  </connection-status>
  <last-change>
    last-change
  </last-change>
  <up-transitions>
    up-transitions
  </up-transitions>
  <local-interface>....</local-interface>
  <remote-interface>....</remote-interface>

```

```
<remote-pe>
  remote-pe
</remote-pe>
<control-word>
  control-word
</control-word>
<control-word-type>
  control-word-type
</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>
<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
```

## Description

## <connection>

### Usage

```

<l2vpn-connection-information>
  <instance>
    <reference-site>
      <connection>
        <connection-id>
          connection-id
        </connection-id>
        <connection-type>
          connection-type
        </connection-type>
        <connection-status>
          connection-status
        </connection-status>
        <last-change>
          last-change
        </last-change>
        <up-transitions>
          up-transitions
        </up-transitions>
        <local-interface>....</local-interface>
        <remote-interface>....</remote-interface>
        <remote-pe>
          remote-pe
        </remote-pe>
        <control-word>
          control-word
        </control-word>
        <control-word-type>
          control-word-type
        </control-word-type>
        <interface-encapsulation>
          interface-encapsulation
        </interface-encapsulation>
        <inbound-label>
          inbound-label
        </inbound-label>
        <outbound-label>
          outbound-label
        </outbound-label>
        <connection-bandwidth>....</connection-bandwidth>
      </connection>
    </reference-site>
  </instance>
</l2vpn-connection-information>....</vpls-rsvp-te-p2mp-lsp-information>

  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>

```

```
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</reference-site>
</instance>
</l2vpn-connection-information>
```

## Description

### <connection>

#### Usage

```
<l2vpn-connection-information>
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <connection-id>
          connection-id
        </connection-id>
        <connection-type>
          connection-type
        </connection-type>
        <connection-status>
          connection-status
        </connection-status>
        <last-change>
          last-change
        </last-change>
        <up-transitions>
          up-transitions
        </up-transitions>
        <local-interface>....</local-interface>
        <remote-interface>....</remote-interface>
        <remote-pe>
          remote-pe
        </remote-pe>
        <control-word>
          control-word
        </control-word>
        <control-word-type>
          control-word-type
```



```

</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>
<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

```

```

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

```

```

</connection>
</mesh-group-connection>
</reference-site>
</instance>
</l2vpn-connection-information>

```

## Description

### <connection>

## Usage

```

<l2vpn-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <connection-id>
        connection-id

```

```
</connection-id>
<connection-type>
  connection-type
</connection-type>
<connection-status>
  connection-status
</connection-status>
<last-change>
  last-change
</last-change>
<up-transitions>
  up-transitions
</up-transitions>
<local-interface>....</local-interface>
<remote-interface>....</remote-interface>
<remote-pe>
  remote-pe
</remote-pe>
<control-word>
  control-word
</control-word>
<control-word-type>
  control-word-type
</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>
<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
```

```

        mesh-group-name
      </mesh-group-name>
      <egress-protection-protector>....</egress-protection-protector>
      <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

    </connection>
  </ldp-vpls-reference-site>
</instance>
</l2vpn-connection-information>

```

## Description

### <connection>

#### Usage

```

<l2vpn-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <connection-id>
          connection-id
        </connection-id>
        <connection-type>
          connection-type
        </connection-type>
        <connection-status>
          connection-status
        </connection-status>
        <last-change>
          last-change
        </last-change>
        <up-transitions>
          up-transitions
        </up-transitions>
        <local-interface>....</local-interface>
        <remote-interface>....</remote-interface>
        <remote-pe>
          remote-pe
        </remote-pe>
        <control-word>
          control-word
        </control-word>
        <control-word-type>
          control-word-type
        </control-word-type>
        <interface-encapsulation>
          interface-encapsulation
        </interface-encapsulation>
        <inbound-label>
          inbound-label
        </inbound-label>
        <outbound-label>
          outbound-label
        </outbound-label>
      </connection>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>
</l2vpn-connection-information>

```

```

    <connection-bandwidth>....</connection-bandwidth>
  <vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <egress-protection-protector>....</egress-protection-protector>
  <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</l2vpn-connection-information>

```

## Description

### <connection>

#### Usage

```

<l2vpn-connection-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <connection-id>
            connection-id
          </connection-id>
          <connection-type>
            connection-type
          </connection-type>
          <connection-status>
            connection-status
          </connection-status>
          <last-change>
            last-change

```

```

</last-change>
<up-transitions>
  up-transitions
</up-transitions>
<local-interface>....</local-interface>
<remote-interface>....</remote-interface>
<remote-pe>
  remote-pe
</remote-pe>
<control-word>
  control-word
</control-word>
<control-word-type>
  control-word-type
</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>
<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</vpls-protocol-state>
</instance>

```

</l2vpn-connection-information>

## Description

### <connection>

## Usage

```
<l2vpn-connection-information>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <connection-id>
          connection-id
        </connection-id>
        <connection-type>
          connection-type
        </connection-type>
        <connection-status>
          connection-status
        </connection-status>
        <last-change>
          last-change
        </last-change>
        <up-transitions>
          up-transitions
        </up-transitions>
        <local-interface>....</local-interface>
        <remote-interface>....</remote-interface>
        <remote-pe>
          remote-pe
        </remote-pe>
        <control-word>
          control-word
        </control-word>
        <control-word-type>
          control-word-type
        </control-word-type>
        <interface-encapsulation>
          interface-encapsulation
        </interface-encapsulation>
        <inbound-label>
          inbound-label
        </inbound-label>
        <outbound-label>
          outbound-label
        </outbound-label>
        <connection-bandwidth>....</connection-bandwidth>
      <vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

      <connection-protection>
        connection-protection
      </connection-protection>
      <history>....</history>
    </l2vpn-local-site-id>
```

```

    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <egress-protection-protector>....</egress-protection-protector>
  <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</reference-site>
</vpls-protocol-state>
</instance>
</l2vpn-connection-information>

```

## Description

### <connection>

## Usage

```

<l2vpn-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <connection-id>
              connection-id
            </connection-id>
            <connection-type>
              connection-type
            </connection-type>
            <connection-status>
              connection-status
            </connection-status>
            <last-change>
              last-change
            </last-change>
            <up-transitions>
              up-transitions
            </up-transitions>
            <local-interface>....</local-interface>
            <remote-interface>....</remote-interface>
            <remote-pe>

```

```
        remote-pe
      </remote-pe>
    <control-word>
      control-word
    </control-word>
    <control-word-type>
      control-word-type
    </control-word-type>
    <interface-encapsulation>
      interface-encapsulation
    </interface-encapsulation>
    <inbound-label>
      inbound-label
    </inbound-label>
    <outbound-label>
      outbound-label
    </outbound-label>
    <connection-bandwidth>....</connection-bandwidth>

<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>
  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <egress-protection-protector>....</egress-protection-protector>
  <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</l2vpn-connection-information>
```

## Description



## <connection>

### Usage

```

<vpls-connection-information>
  <instance>
    <reference-site>
      <connection>
        <connection-id>
          connection-id
        </connection-id>
        <connection-type>
          connection-type
        </connection-type>
        <connection-status>
          connection-status
        </connection-status>
        <last-change>
          last-change
        </last-change>
        <up-transitions>
          up-transitions
        </up-transitions>
        <local-interface>....</local-interface>
        <remote-interface>....</remote-interface>
        <remote-pe>
          remote-pe
        </remote-pe>
        <control-word>
          control-word
        </control-word>
        <control-word-type>
          control-word-type
        </control-word-type>
        <interface-encapsulation>
          interface-encapsulation
        </interface-encapsulation>
        <inbound-label>
          inbound-label
        </inbound-label>
        <outbound-label>
          outbound-label
        </outbound-label>
        <connection-bandwidth>....</connection-bandwidth>
      </connection>
    </reference-site>
  </instance>
</vpls-connection-information>....</vpls-rsvp-te-p2mp-lsp-information>

  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>

```

```
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</reference-site>
</instance>
</vpls-connection-information>
```

## Description

### <connection>

#### Usage

```
<vpls-connection-information>
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <connection-id>
          connection-id
        </connection-id>
        <connection-type>
          connection-type
        </connection-type>
        <connection-status>
          connection-status
        </connection-status>
        <last-change>
          last-change
        </last-change>
        <up-transitions>
          up-transitions
        </up-transitions>
        <local-interface>....</local-interface>
        <remote-interface>....</remote-interface>
        <remote-pe>
          remote-pe
        </remote-pe>
        <control-word>
          control-word
        </control-word>
        <control-word-type>
          control-word-type
```

```

</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>
<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

```

```

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

```

```

</connection>
</mesh-group-connection>
</reference-site>
</instance>
</vpls-connection-information>

```

## Description

### <connection>

## Usage

```

<vpls-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <connection-id>
        connection-id

```

```
</connection-id>
<connection-type>
  connection-type
</connection-type>
<connection-status>
  connection-status
</connection-status>
<last-change>
  last-change
</last-change>
<up-transitions>
  up-transitions
</up-transitions>
<local-interface>....</local-interface>
<remote-interface>....</remote-interface>
<remote-pe>
  remote-pe
</remote-pe>
<control-word>
  control-word
</control-word>
<control-word-type>
  control-word-type
</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>
<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
```

```

        mesh-group-name
      </mesh-group-name>
      <egress-protection-protector>....</egress-protection-protector>
      <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

    </connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-connection-information>

```

## Description

### <connection>

#### Usage

```

<vpls-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <connection-id>
            connection-id
          </connection-id>
          <connection-type>
            connection-type
          </connection-type>
          <connection-status>
            connection-status
          </connection-status>
          <last-change>
            last-change
          </last-change>
          <up-transitions>
            up-transitions
          </up-transitions>
          <local-interface>....</local-interface>
          <remote-interface>....</remote-interface>
          <remote-pe>
            remote-pe
          </remote-pe>
          <control-word>
            control-word
          </control-word>
          <control-word-type>
            control-word-type
          </control-word-type>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <inbound-label>
            inbound-label
          </inbound-label>
          <outbound-label>
            outbound-label
          </outbound-label>

```

```

    <connection-bandwidth>....</connection-bandwidth>
  </vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <egress-protection-protector>....</egress-protection-protector>
  <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</vpls-connection-information>

```

## Description

### <connection>

#### Usage

```

<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <connection-id>
            connection-id
          </connection-id>
          <connection-type>
            connection-type
          </connection-type>
          <connection-status>
            connection-status
          </connection-status>
          <last-change>
            last-change

```

```

</last-change>
<up-transitions>
  up-transitions
</up-transitions>
<local-interface>....</local-interface>
<remote-interface>....</remote-interface>
<remote-pe>
  remote-pe
</remote-pe>
<control-word>
  control-word
</control-word>
<control-word-type>
  control-word-type
</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>
<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</vpls-protocol-state>
</instance>

```

</vpls-connection-information>

## Description

### <connection>

## Usage

```
<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <connection-id>
            connection-id
          </connection-id>
          <connection-type>
            connection-type
          </connection-type>
          <connection-status>
            connection-status
          </connection-status>
          <last-change>
            last-change
          </last-change>
          <up-transitions>
            up-transitions
          </up-transitions>
          <local-interface>....</local-interface>
          <remote-interface>....</remote-interface>
          <remote-pe>
            remote-pe
          </remote-pe>
          <control-word>
            control-word
          </control-word>
          <control-word-type>
            control-word-type
          </control-word-type>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <inbound-label>
            inbound-label
          </inbound-label>
          <outbound-label>
            outbound-label
          </outbound-label>
          <connection-bandwidth>....</connection-bandwidth>
        <vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

        <connection-protection>
          connection-protection
        </connection-protection>
        <history>....</history>
        <l2vpn-local-site-id>
```



```

    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <egress-protection-protector>....</egress-protection-protector>
  <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-connection-information>

```

## Description

### <connection>

## Usage

```

<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <connection-id>
              connection-id
            </connection-id>
            <connection-type>
              connection-type
            </connection-type>
            <connection-status>
              connection-status
            </connection-status>
            <last-change>
              last-change
            </last-change>
            <up-transitions>
              up-transitions
            </up-transitions>
            <local-interface>....</local-interface>
            <remote-interface>....</remote-interface>
            <remote-pe>

```

```
        remote-pe
      </remote-pe>
    <control-word>
      control-word
    </control-word>
    <control-word-type>
      control-word-type
    </control-word-type>
    <interface-encapsulation>
      interface-encapsulation
    </interface-encapsulation>
    <inbound-label>
      inbound-label
    </inbound-label>
    <outbound-label>
      outbound-label
    </outbound-label>
    <connection-bandwidth>....</connection-bandwidth>

<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>
  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <egress-protection-protector>....</egress-protection-protector>
  <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-connection-information>
```

## Description

**<connection>****Usage**

```

<vpls-statistics-information>
  <instance>
    <reference-site>
      <connection>
        <connection-id>
          connection-id
        </connection-id>
        <connection-type>
          connection-type
        </connection-type>
        <connection-status>
          connection-status
        </connection-status>
        <last-change>
          last-change
        </last-change>
        <up-transitions>
          up-transitions
        </up-transitions>
        <local-interface>....</local-interface>
        <remote-interface>....</remote-interface>
        <remote-pe>
          remote-pe
        </remote-pe>
        <control-word>
          control-word
        </control-word>
        <control-word-type>
          control-word-type
        </control-word-type>
        <interface-encapsulation>
          interface-encapsulation
        </interface-encapsulation>
        <inbound-label>
          inbound-label
        </inbound-label>
        <outbound-label>
          outbound-label
        </outbound-label>
        <connection-bandwidth>....</connection-bandwidth>
      </connection>
    </reference-site>
  </instance>
</vpls-statistics-information>....</vpls-rsvp-te-p2mp-lsp-information>

  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>

```

```
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</reference-site>
</instance>
</vpls-statistics-information>
```

## Description

### <connection>

#### Usage

```
<vpls-statistics-information>
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <connection-id>
          connection-id
        </connection-id>
        <connection-type>
          connection-type
        </connection-type>
        <connection-status>
          connection-status
        </connection-status>
        <last-change>
          last-change
        </last-change>
        <up-transitions>
          up-transitions
        </up-transitions>
        <local-interface>....</local-interface>
        <remote-interface>....</remote-interface>
        <remote-pe>
          remote-pe
        </remote-pe>
        <control-word>
          control-word
        </control-word>
        <control-word-type>
          control-word-type
```

```

</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>
<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</reference-site>
</instance>
</vpls-statistics-information>

```

## Description

### <connection>

## Usage

```

<vpls-statistics-information>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <connection-id>
        connection-id

```

```
</connection-id>
<connection-type>
  connection-type
</connection-type>
<connection-status>
  connection-status
</connection-status>
<last-change>
  last-change
</last-change>
<up-transitions>
  up-transitions
</up-transitions>
<local-interface>....</local-interface>
<remote-interface>....</remote-interface>
<remote-pe>
  remote-pe
</remote-pe>
<control-word>
  control-word
</control-word>
<control-word-type>
  control-word-type
</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>
<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
```

```

        mesh-group-name
      </mesh-group-name>
      <egress-protection-protector>....</egress-protection-protector>
      <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

    </connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-statistics-information>

```

## Description

### <connection>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <connection-id>
            connection-id
          </connection-id>
          <connection-type>
            connection-type
          </connection-type>
          <connection-status>
            connection-status
          </connection-status>
          <last-change>
            last-change
          </last-change>
          <up-transitions>
            up-transitions
          </up-transitions>
          <local-interface>....</local-interface>
          <remote-interface>....</remote-interface>
          <remote-pe>
            remote-pe
          </remote-pe>
          <control-word>
            control-word
          </control-word>
          <control-word-type>
            control-word-type
          </control-word-type>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <inbound-label>
            inbound-label
          </inbound-label>
          <outbound-label>
            outbound-label
          </outbound-label>

```

```

    <connection-bandwidth>....</connection-bandwidth>
  </vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <egress-protection-protector>....</egress-protection-protector>
  <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</vpls-statistics-information>

```

## Description

### <connection>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <connection-id>
            connection-id
          </connection-id>
          <connection-type>
            connection-type
          </connection-type>
          <connection-status>
            connection-status
          </connection-status>
          <last-change>
            last-change

```



```

</last-change>
<up-transitions>
  up-transitions
</up-transitions>
<local-interface>....</local-interface>
<remote-interface>....</remote-interface>
<remote-pe>
  remote-pe
</remote-pe>
<control-word>
  control-word
</control-word>
<control-word-type>
  control-word-type
</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>
<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</vpls-protocol-state>
</instance>

```

</vpls-statistics-information>

## Description

### <connection>

## Usage

```
<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <connection-id>
            connection-id
          </connection-id>
          <connection-type>
            connection-type
          </connection-type>
          <connection-status>
            connection-status
          </connection-status>
          <last-change>
            last-change
          </last-change>
          <up-transitions>
            up-transitions
          </up-transitions>
          <local-interface>....</local-interface>
          <remote-interface>....</remote-interface>
          <remote-pe>
            remote-pe
          </remote-pe>
          <control-word>
            control-word
          </control-word>
          <control-word-type>
            control-word-type
          </control-word-type>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <inbound-label>
            inbound-label
          </inbound-label>
          <outbound-label>
            outbound-label
          </outbound-label>
          <connection-bandwidth>....</connection-bandwidth>
        <vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

        <connection-protection>
          connection-protection
        </connection-protection>
        <history>....</history>
        <l2vpn-local-site-id>
```

```

    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <egress-protection-protector>....</egress-protection-protector>
  <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-statistics-information>

```

## Description

### <connection>

## Usage

```

<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <connection-id>
              connection-id
            </connection-id>
            <connection-type>
              connection-type
            </connection-type>
            <connection-status>
              connection-status
            </connection-status>
            <last-change>
              last-change
            </last-change>
            <up-transitions>
              up-transitions
            </up-transitions>
            <local-interface>....</local-interface>
            <remote-interface>....</remote-interface>
            <remote-pe>

```

```
    remote-pe
  </remote-pe>
  <control-word>
    control-word
  </control-word>
  <control-word-type>
    control-word-type
  </control-word-type>
  <interface-encapsulation>
    interface-encapsulation
  </interface-encapsulation>
  <inbound-label>
    inbound-label
  </inbound-label>
  <outbound-label>
    outbound-label
  </outbound-label>
  <connection-bandwidth>....</connection-bandwidth>

<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>
  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <egress-protection-protector>....</egress-protection-protector>
  <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-statistics-information>
```

## Description

## <connection>

### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <connection>
        <connection-id>
          connection-id
        </connection-id>
        <connection-type>
          connection-type
        </connection-type>
        <connection-status>
          connection-status
        </connection-status>
        <last-change>
          last-change
        </last-change>
        <up-transitions>
          up-transitions
        </up-transitions>
        <local-interface>....</local-interface>
        <remote-interface>....</remote-interface>
        <remote-pe>
          remote-pe
        </remote-pe>
        <control-word>
          control-word
        </control-word>
        <control-word-type>
          control-word-type
        </control-word-type>
        <interface-encapsulation>
          interface-encapsulation
        </interface-encapsulation>
        <inbound-label>
          inbound-label
        </inbound-label>
        <outbound-label>
          outbound-label
        </outbound-label>
        <connection-bandwidth>....</connection-bandwidth>
      </connection>
    </reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>

```

```
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

## Description

### <connection>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <connection-id>
          connection-id
        </connection-id>
        <connection-type>
          connection-type
        </connection-type>
        <connection-status>
          connection-status
        </connection-status>
        <last-change>
          last-change
        </last-change>
        <up-transitions>
          up-transitions
        </up-transitions>
        <local-interface>....</local-interface>
        <remote-interface>....</remote-interface>
        <remote-pe>
          remote-pe
        </remote-pe>
        <control-word>
          control-word
        </control-word>
        <control-word-type>
          control-word-type
```

```

</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>
<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

```

```

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

```

```

</connection>
</mesh-group-connection>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

## Description

### <connection>

## Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <connection-id>
        connection-id

```

```
</connection-id>
<connection-type>
  connection-type
</connection-type>
<connection-status>
  connection-status
</connection-status>
<last-change>
  last-change
</last-change>
<up-transitions>
  up-transitions
</up-transitions>
<local-interface>....</local-interface>
<remote-interface>....</remote-interface>
<remote-pe>
  remote-pe
</remote-pe>
<control-word>
  control-word
</control-word>
<control-word-type>
  control-word-type
</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>
<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
```



```

        mesh-group-name
      </mesh-group-name>
      <egress-protection-protector>....</egress-protection-protector>
      <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

    </connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

## Description

### <connection>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <connection-id>
            connection-id
          </connection-id>
          <connection-type>
            connection-type
          </connection-type>
          <connection-status>
            connection-status
          </connection-status>
          <last-change>
            last-change
          </last-change>
          <up-transitions>
            up-transitions
          </up-transitions>
          <local-interface>....</local-interface>
          <remote-interface>....</remote-interface>
          <remote-pe>
            remote-pe
          </remote-pe>
          <control-word>
            control-word
          </control-word>
          <control-word-type>
            control-word-type
          </control-word-type>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <inbound-label>
            inbound-label
          </inbound-label>
          <outbound-label>
            outbound-label
          </outbound-label>

```

```

    <connection-bandwidth>....</connection-bandwidth>
  </vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <egress-protection-protector>....</egress-protection-protector>
  <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

## Description

### <connection>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <connection-id>
            connection-id
          </connection-id>
          <connection-type>
            connection-type
          </connection-type>
          <connection-status>
            connection-status
          </connection-status>
          <last-change>
            last-change

```

```

</last-change>
<up-transitions>
  up-transitions
</up-transitions>
<local-interface>....</local-interface>
<remote-interface>....</remote-interface>
<remote-pe>
  remote-pe
</remote-pe>
<control-word>
  control-word
</control-word>
<control-word-type>
  control-word-type
</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>
<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</vpls-protocol-state>
</instance>

```

</vpls-ldp-dynamic-interface-repository-entity>

## Description

### <connection>

## Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <connection-id>
          connection-id
        </connection-id>
        <connection-type>
          connection-type
        </connection-type>
        <connection-status>
          connection-status
        </connection-status>
        <last-change>
          last-change
        </last-change>
        <up-transitions>
          up-transitions
        </up-transitions>
        <local-interface>....</local-interface>
        <remote-interface>....</remote-interface>
        <remote-pe>
          remote-pe
        </remote-pe>
        <control-word>
          control-word
        </control-word>
        <control-word-type>
          control-word-type
        </control-word-type>
        <interface-encapsulation>
          interface-encapsulation
        </interface-encapsulation>
        <inbound-label>
          inbound-label
        </inbound-label>
        <outbound-label>
          outbound-label
        </outbound-label>
        <connection-bandwidth>....</connection-bandwidth>
      <vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

      <connection-protection>
        connection-protection
      </connection-protection>
      <history>....</history>
      <l2vpn-local-site-id>
```

```

    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <egress-protection-protector>....</egress-protection-protector>
  <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

## Description

### <connection>

## Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <connection-id>
              connection-id
            </connection-id>
            <connection-type>
              connection-type
            </connection-type>
            <connection-status>
              connection-status
            </connection-status>
            <last-change>
              last-change
            </last-change>
            <up-transitions>
              up-transitions
            </up-transitions>
            <local-interface>....</local-interface>
            <remote-interface>....</remote-interface>
            <remote-pe>

```

```
    remote-pe
  </remote-pe>
  <control-word>
    control-word
  </control-word>
  <control-word-type>
    control-word-type
  </control-word-type>
  <interface-encapsulation>
    interface-encapsulation
  </interface-encapsulation>
  <inbound-label>
    inbound-label
  </inbound-label>
  <outbound-label>
    outbound-label
  </outbound-label>
  <connection-bandwidth>....</connection-bandwidth>

<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>
  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <egress-protection-protector>....</egress-protection-protector>
  <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

## Description

## <connection>

### Usage

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <connection>
        <connection-id>
          connection-id
        </connection-id>
        <connection-type>
          connection-type
        </connection-type>
        <connection-status>
          connection-status
        </connection-status>
        <last-change>
          last-change
        </last-change>
        <up-transitions>
          up-transitions
        </up-transitions>
        <local-interface>....</local-interface>
        <remote-interface>....</remote-interface>
        <remote-pe>
          remote-pe
        </remote-pe>
        <control-word>
          control-word
        </control-word>
        <control-word-type>
          control-word-type
        </control-word-type>
        <interface-encapsulation>
          interface-encapsulation
        </interface-encapsulation>
        <inbound-label>
          inbound-label
        </inbound-label>
        <outbound-label>
          outbound-label
        </outbound-label>
        <connection-bandwidth>....</connection-bandwidth>
      </connection>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>

```

```
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

## Description

### <connection>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
<reference-site>
<mesh-group-connection>
<connection>
  <connection-id>
    connection-id
  </connection-id>
  <connection-type>
    connection-type
  </connection-type>
  <connection-status>
    connection-status
  </connection-status>
  <last-change>
    last-change
  </last-change>
  <up-transitions>
    up-transitions
  </up-transitions>
  <local-interface>....</local-interface>
  <remote-interface>....</remote-interface>
  <remote-pe>
    remote-pe
  </remote-pe>
  <control-word>
    control-word
```



```

</control-word>
<control-word-type>
  control-word-type
</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>

<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>
  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <egress-protection-protector>....</egress-protection-protector>
  <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

  </connection>
</mesh-group-connection>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

## Description

### <connection>

## Usage

```

<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>

```

```
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <connection-id>
        connection-id
      </connection-id>
      <connection-type>
        connection-type
      </connection-type>
      <connection-status>
        connection-status
      </connection-status>
      <last-change>
        last-change
      </last-change>
      <up-transitions>
        up-transitions
      </up-transitions>
      <local-interface>....</local-interface>
      <remote-interface>....</remote-interface>
      <remote-pe>
        remote-pe
      </remote-pe>
      <control-word>
        control-word
      </control-word>
      <control-word-type>
        control-word-type
      </control-word-type>
      <interface-encapsulation>
        interface-encapsulation
      </interface-encapsulation>
      <inbound-label>
        inbound-label
      </inbound-label>
      <outbound-label>
        outbound-label
      </outbound-label>
      <connection-bandwidth>....</connection-bandwidth>
    </connection>
  </ldp-vpls-reference-site>
</vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
</instance>
```

```

        </local-pw-status-code>
        <remote-pw-status-code>
            remote-pw-status-code
        </remote-pw-status-code>
        <mesh-group-name>
            mesh-group-name
        </mesh-group-name>
        <egress-protection-protector>....</egress-protection-protector>
        <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

    </connection>
</ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

## Description

### <connection>

#### Usage

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
    <ldp-vpls-reference-site>
        <mesh-group-connection>
            <connection>
                <connection-id>
                    connection-id
                </connection-id>
                <connection-type>
                    connection-type
                </connection-type>
                <connection-status>
                    connection-status
                </connection-status>
                <last-change>
                    last-change
                </last-change>
                <up-transitions>
                    up-transitions
                </up-transitions>
                <local-interface>....</local-interface>
                <remote-interface>....</remote-interface>
                <remote-pe>
                    remote-pe
                </remote-pe>
                <control-word>
                    control-word
                </control-word>
                <control-word-type>
                    control-word-type
                </control-word-type>
                <interface-encapsulation>
                    interface-encapsulation
            </connection>
        </mesh-group-connection>
    </ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

```
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>

<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>
  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <egress-protection-protector>....</egress-protection-protector>
  <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

## Description

### <connection>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <connection-id>
          connection-id
```

```

</connection-id>
<connection-type>
  connection-type
</connection-type>
<connection-status>
  connection-status
</connection-status>
<last-change>
  last-change
</last-change>
<up-transitions>
  up-transitions
</up-transitions>
<local-interface>....</local-interface>
<remote-interface>....</remote-interface>
<remote-pe>
  remote-pe
</remote-pe>
<control-word>
  control-word
</control-word>
<control-word-type>
  control-word-type
</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>

<vppls-rsvp-te-p2mp-lsp-information>....</vppls-rsvp-te-p2mp-lsp-information>
  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>

```

```

        mesh-group-name
      </mesh-group-name>
      <egress-protection-protector>....</egress-protection-protector>
      <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

    </connection>
  </mesh-group-connection>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

## Description

### <connection>

#### Usage

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <connection-id>
          connection-id
        </connection-id>
        <connection-type>
          connection-type
        </connection-type>
        <connection-status>
          connection-status
        </connection-status>
        <last-change>
          last-change
        </last-change>
        <up-transitions>
          up-transitions
        </up-transitions>
        <local-interface>....</local-interface>
        <remote-interface>....</remote-interface>
        <remote-pe>
          remote-pe
        </remote-pe>
        <control-word>
          control-word
        </control-word>
        <control-word-type>
          control-word-type
        </control-word-type>
        <interface-encapsulation>
          interface-encapsulation
        </interface-encapsulation>
        <inbound-label>
          inbound-label
        </inbound-label>
      </connection>
    </vpls-protocol-state>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

```

    <outbound-label>
      outbound-label
    </outbound-label>
    <connection-bandwidth>....</connection-bandwidth>

<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>
  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <egress-protection-protector>....</egress-protection-protector>
  <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

  </connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

## Description

### <connection>

## Usage

```

<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <vpls-protocol-state>
        <reference-site>
          <mesh-group-connection>
            <connection>
              <connection-id>
                connection-id
              </connection-id>
              <connection-type>
                connection-type
            
```

```
</connection-type>
<connection-status>
  connection-status
</connection-status>
<last-change>
  last-change
</last-change>
<up-transitions>
  up-transitions
</up-transitions>
<local-interface>....</local-interface>
<remote-interface>....</remote-interface>
<remote-pe>
  remote-pe
</remote-pe>
<control-word>
  control-word
</control-word>
<control-word-type>
  control-word-type
</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>

<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>
  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <egress-protection-protector>....</egress-protection-protector>
```



```

<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>
  </connection>
  </mesh-group-connection>
  </reference-site>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

## Description

### <connection>

#### Usage

```

<l2circuit-connection-information>
  <l2circuit-neighbor>
    <connection>
      <connection-id>
        connection-id
      </connection-id>
      <connection-type>
        connection-type
      </connection-type>
      <connection-status>
        connection-status
      </connection-status>
      <last-change>
        last-change
      </last-change>
      <up-transitions>
        up-transitions
      </up-transitions>
      <local-interface>....</local-interface>
      <remote-interface>....</remote-interface>
      <remote-pe>
        remote-pe
      </remote-pe>
      <control-word>
        control-word
      </control-word>
      <control-word-type>
        control-word-type
      </control-word-type>
      <interface-encapsulation>
        interface-encapsulation
      </interface-encapsulation>
      <inbound-label>
        inbound-label
      </inbound-label>
      <outbound-label>
        outbound-label
      </outbound-label>
      <connection-bandwidth>....</connection-bandwidth>
    </vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>
  </l2circuit-neighbor>
</l2circuit-connection-information>

```

```

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>
</connection>
</l2circuit-neighbor>
</l2circuit-connection-information>

```

## Description

### <connection>

#### Usage

```

<mvpn-instance-information>
  <instance>
    <reference-site>
      <connection>
        <connection-id>
          connection-id
        </connection-id>
        <connection-type>
          connection-type
        </connection-type>
        <connection-status>
          connection-status
        </connection-status>
        <last-change>
          last-change
        </last-change>
        <up-transitions>
          up-transitions
        </up-transitions>
        <local-interface>....</local-interface>
        <remote-interface>....</remote-interface>
      </connection>
    </reference-site>
  </instance>
</mvpn-instance-information>

```

```

<remote-pe>
  remote-pe
</remote-pe>
<control-word>
  control-word
</control-word>
<control-word-type>
  control-word-type
</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>
<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</reference-site>
</instance>
</mvpn-instance-information>

```

## Description

## <connection>

### Usage

```
<mvpn-instance-information>
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <connection-id>
          connection-id
        </connection-id>
        <connection-type>
          connection-type
        </connection-type>
        <connection-status>
          connection-status
        </connection-status>
        <last-change>
          last-change
        </last-change>
        <up-transitions>
          up-transitions
        </up-transitions>
        <local-interface>....</local-interface>
        <remote-interface>....</remote-interface>
        <remote-pe>
          remote-pe
        </remote-pe>
        <control-word>
          control-word
        </control-word>
        <control-word-type>
          control-word-type
        </control-word-type>
        <interface-encapsulation>
          interface-encapsulation
        </interface-encapsulation>
        <inbound-label>
          inbound-label
        </inbound-label>
        <outbound-label>
          outbound-label
        </outbound-label>
        <connection-bandwidth>....</connection-bandwidth>
      </vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

      <connection-protection>
        connection-protection
      </connection-protection>
      <history>....</history>
      <l2vpn-local-site-id>
        l2vpn-local-site-id
      </l2vpn-local-site-id>
      <l2vpn-remote-site-id>
        l2vpn-remote-site-id
```

```

    </l2vpn-remote-site-id>
    <pw-status-tlv>
      pw-status-tlv
    </pw-status-tlv>
    <local-pw-status-code>
      local-pw-status-code
    </local-pw-status-code>
    <remote-pw-status-code>
      remote-pw-status-code
    </remote-pw-status-code>
    <mesh-group-name>
      mesh-group-name
    </mesh-group-name>
    <egress-protection-protector>....</egress-protection-protector>
    <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

  </connection>
</mesh-group-connection>
</reference-site>
</instance>
</mvpn-instance-information>

```

## Description

### <connection>

## Usage

```

<mvpn-instance-information>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <connection-id>
          connection-id
        </connection-id>
        <connection-type>
          connection-type
        </connection-type>
        <connection-status>
          connection-status
        </connection-status>
        <last-change>
          last-change
        </last-change>
        <up-transitions>
          up-transitions
        </up-transitions>
        <local-interface>....</local-interface>
        <remote-interface>....</remote-interface>
        <remote-pe>
          remote-pe
        </remote-pe>
        <control-word>
          control-word
        </control-word>
        <control-word-type>

```

```
        control-word-type
      </control-word-type>
    <interface-encapsulation>
      interface-encapsulation
    </interface-encapsulation>
    <inbound-label>
      inbound-label
    </inbound-label>
    <outbound-label>
      outbound-label
    </outbound-label>
    <connection-bandwidth>....</connection-bandwidth>
  <vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <egress-protection-protector>....</egress-protection-protector>
  <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</ldp-vpls-reference-site>
</instance>
</mvpn-instance-information>
```

#### Description

<connection>

#### Usage

```
<mvpn-instance-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <connection-id>
```

```

    connection-id
  </connection-id>
  <connection-type>
    connection-type
  </connection-type>
  <connection-status>
    connection-status
  </connection-status>
  <last-change>
    last-change
  </last-change>
  <up-transitions>
    up-transitions
  </up-transitions>
  <local-interface>....</local-interface>
  <remote-interface>....</remote-interface>
  <remote-pe>
    remote-pe
  </remote-pe>
  <control-word>
    control-word
  </control-word>
  <control-word-type>
    control-word-type
  </control-word-type>
  <interface-encapsulation>
    interface-encapsulation
  </interface-encapsulation>
  <inbound-label>
    inbound-label
  </inbound-label>
  <outbound-label>
    outbound-label
  </outbound-label>
  <connection-bandwidth>....</connection-bandwidth>
</vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>

```

```
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</mvpn-instance-information>
```

## Description

### <connection>

#### Usage

```
<mvpn-instance-information>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <connection-id>
          connection-id
        </connection-id>
        <connection-type>
          connection-type
        </connection-type>
        <connection-status>
          connection-status
        </connection-status>
        <last-change>
          last-change
        </last-change>
        <up-transitions>
          up-transitions
        </up-transitions>
        <local-interface>....</local-interface>
        <remote-interface>....</remote-interface>
        <remote-pe>
          remote-pe
        </remote-pe>
        <control-word>
          control-word
        </control-word>
        <control-word-type>
          control-word-type
        </control-word-type>
        <interface-encapsulation>
          interface-encapsulation
        </interface-encapsulation>
        <inbound-label>
          inbound-label
        </inbound-label>
        <outbound-label>
```



```

    outbound-label
  </outbound-label>
  <connection-bandwidth>....</connection-bandwidth>
</vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

  <connection-protection>
    connection-protection
  </connection-protection>
  <history>....</history>
  <l2vpn-local-site-id>
    l2vpn-local-site-id
  </l2vpn-local-site-id>
  <l2vpn-remote-site-id>
    l2vpn-remote-site-id
  </l2vpn-remote-site-id>
  <pw-status-tlv>
    pw-status-tlv
  </pw-status-tlv>
  <local-pw-status-code>
    local-pw-status-code
  </local-pw-status-code>
  <remote-pw-status-code>
    remote-pw-status-code
  </remote-pw-status-code>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <egress-protection-protector>....</egress-protection-protector>
  <egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</vpls-protocol-state>
</instance>
</mvpn-instance-information>

```

## Description

### <connection>

## Usage

```

<mvpn-instance-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <connection-id>
            connection-id
          </connection-id>
          <connection-type>
            connection-type
          </connection-type>
          <connection-status>
            connection-status
          </connection-status>

```

```
<last-change>
  last-change
</last-change>
<up-transitions>
  up-transitions
</up-transitions>
<local-interface>....</local-interface>
<remote-interface>....</remote-interface>
<remote-pe>
  remote-pe
</remote-pe>
<control-word>
  control-word
</control-word>
<control-word-type>
  control-word-type
</control-word-type>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<inbound-label>
  inbound-label
</inbound-label>
<outbound-label>
  outbound-label
</outbound-label>
<connection-bandwidth>....</connection-bandwidth>
<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>

<connection-protection>
  connection-protection
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</reference-site>
```

```

    </vpls-protocol-state>
  </instance>
</mvpn-instance-information>

```

## Description

### <connection>

#### Usage

```

<mvpn-instance-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <connection-id>
              connection-id
            </connection-id>
            <connection-type>
              connection-type
            </connection-type>
            <connection-status>
              connection-status
            </connection-status>
            <last-change>
              last-change
            </last-change>
            <up-transitions>
              up-transitions
            </up-transitions>
            <local-interface>....</local-interface>
            <remote-interface>....</remote-interface>
            <remote-pe>
              remote-pe
            </remote-pe>
            <control-word>
              control-word
            </control-word>
            <control-word-type>
              control-word-type
            </control-word-type>
            <interface-encapsulation>
              interface-encapsulation
            </interface-encapsulation>
            <inbound-label>
              inbound-label
            </inbound-label>
            <outbound-label>
              outbound-label
            </outbound-label>
            <connection-bandwidth>....</connection-bandwidth>
          </connection>
        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</mvpn-instance-information>

<vpls-rsvp-te-p2mp-lsp-information>....</vpls-rsvp-te-p2mp-lsp-information>
  <connection-protection>
    connection-protection
  </connection-protection>
</vpls-rsvp-te-p2mp-lsp-information>

```

```
</connection-protection>
<history>....</history>
<l2vpn-local-site-id>
  l2vpn-local-site-id
</l2vpn-local-site-id>
<l2vpn-remote-site-id>
  l2vpn-remote-site-id
</l2vpn-remote-site-id>
<pw-status-tlv>
  pw-status-tlv
</pw-status-tlv>
<local-pw-status-code>
  local-pw-status-code
</local-pw-status-code>
<remote-pw-status-code>
  remote-pw-status-code
</remote-pw-status-code>
<mesh-group-name>
  mesh-group-name
</mesh-group-name>
<egress-protection-protector>....</egress-protection-protector>
<egress-protection-protected-l2ckt>....</egress-protection-protected-l2ckt>

</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</mvpn-instance-information>
```

## Description

### <connection-bandwidth>

#### Usage

```
<connection-bandwidth>
  <bandwidth>
    bandwidth
  </bandwidth>
  <class-type>
    class-type
  </class-type>
  <class-bandwidth>
    class-bandwidth
  </class-bandwidth>
</connection-bandwidth>
```

**Description**    Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<route-information>
```

```

<route-table>
  <rt>
    <rt-entry>
      <connection-bandwidth>
        <bandwidth>
          bandwidth
        </bandwidth>
        <class-type>
          class-type
        </class-type>
        <class-bandwidth>
          class-bandwidth
        </class-bandwidth>
      </connection-bandwidth>
    </rt-entry>
  </rt>
</route-table>
</route-information>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<route-summary-information>
  <route-table>
    <rt>
      <rt-entry>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
            class-bandwidth
          </class-bandwidth>
        </connection-bandwidth>
      </rt-entry>
    </rt>
  </route-table>
</route-summary-information>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<rsvp-session-data>
  <rsvp-session>
    <mpls-lsp>

```

```
<mpls-lsp-path>
  <layer2-connection>
    <connection-bandwidth>
      <bandwidth>
        bandwidth
      </bandwidth>
      <class-type>
        class-type
      </class-type>
      <class-bandwidth>
        class-bandwidth
      </class-bandwidth>
    </connection-bandwidth>
  </layer2-connection>
</mpls-lsp-path>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<rsvp-session>
  <mpls-lsp>
    <mpls-lsp-path>
      <layer2-connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
            class-bandwidth
          </class-bandwidth>
        </connection-bandwidth>
      </layer2-connection>
    </mpls-lsp-path>
  </mpls-lsp>
</rsvp-session>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
```

```

<mpls-lsp>
  <mpls-lsp-path>
    <layer2-connection>
      <connection-bandwidth>
        <bandwidth>
          bandwidth
        </bandwidth>
        <class-type>
          class-type
        </class-type>
        <class-bandwidth>
          class-bandwidth
        </class-bandwidth>
      </connection-bandwidth>
    </layer2-connection>
  </mpls-lsp-path>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<mpls-lsp-path>
  <layer2-connection>
    <connection-bandwidth>
      <bandwidth>
        bandwidth
      </bandwidth>
      <class-type>
        class-type
      </class-type>
      <class-bandwidth>
        class-bandwidth
      </class-bandwidth>
    </connection-bandwidth>
  </layer2-connection>
</mpls-lsp-path>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<mpls-lsp>
  <mpls-lsp-path>
    <layer2-connection>
      <connection-bandwidth>
        <bandwidth>

```

```
        bandwidth
      </bandwidth>
    <class-type>
      class-type
    </class-type>
    <class-bandwidth>
      class-bandwidth
    </class-bandwidth>
  </connection-bandwidth>
</layer2-connection>
</mpls-lsp-path>
</mpls-lsp>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <mpls-lsp-path>
          <layer2-connection>
            <connection-bandwidth>
              <bandwidth>
                bandwidth
              </bandwidth>
            <class-type>
              class-type
            </class-type>
            <class-bandwidth>
              class-bandwidth
            </class-bandwidth>
          </connection-bandwidth>
        </layer2-connection>
      </mpls-lsp-path>
    </mpls-lsp>
  </rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<mpls-call-admission-control-information>
  <mpls-call-admission-control>
    <mpls-lsp>
      <mpls-lsp-path>
        <layer2-connection>
```



```

<connection-bandwidth>
  <bandwidth>
    bandwidth
  </bandwidth>
  <class-type>
    class-type
  </class-type>
  <class-bandwidth>
    class-bandwidth
  </class-bandwidth>
</connection-bandwidth>
</layer2-connection>
</mpls-lsp-path>
</mpls-lsp>
</mpls-call-admission-control>
</mpls-call-admission-control-information>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<connection>
  <connection-bandwidth>
    <bandwidth>
      bandwidth
    </bandwidth>
    <class-type>
      class-type
    </class-type>
    <class-bandwidth>
      class-bandwidth
    </class-bandwidth>
  </connection-bandwidth>
</connection>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<mesh-group-connection>
  <connection>
    <connection-bandwidth>
      <bandwidth>
        bandwidth
      </bandwidth>
      <class-type>
        class-type
      </class-type>
      <class-bandwidth>
        class-bandwidth

```

```
</class-bandwidth>
</connection-bandwidth>
</connection>
</mesh-group-connection>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<instance>
<reference-site>
<connection>
  <connection-bandwidth>
    <bandwidth>
      bandwidth
    </bandwidth>
    <class-type>
      class-type
    </class-type>
    <class-bandwidth>
      class-bandwidth
    </class-bandwidth>
  </connection-bandwidth>
</connection>
</reference-site>
</instance>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<instance>
<reference-site>
  <mesh-group-connection>
    <connection>
      <connection-bandwidth>
        <bandwidth>
          bandwidth
        </bandwidth>
        <class-type>
          class-type
        </class-type>
        <class-bandwidth>
          class-bandwidth
        </class-bandwidth>
      </connection-bandwidth>
    </connection>
  </mesh-group-connection>
</reference-site>
```

</instance>

**Description**    Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <connection-bandwidth>
        <bandwidth>
          bandwidth
        </bandwidth>
        <class-type>
          class-type
        </class-type>
        <class-bandwidth>
          class-bandwidth
        </class-bandwidth>
      </connection-bandwidth>
    </connection>
  </ldp-vpls-reference-site>
</instance>
```

**Description**    Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
            class-bandwidth
          </class-bandwidth>
        </connection-bandwidth>
      </connection>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>
```

**Description**    Bandwidth of a layer 2 connection

## <connection-bandwidth>

### Usage

```
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
            class-bandwidth
          </class-bandwidth>
        </connection-bandwidth>
      </connection>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
```

**Description**    Bandwidth of a layer 2 connection

## <connection-bandwidth>

### Usage

```
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
            class-bandwidth
          </class-bandwidth>
        </connection-bandwidth>
      </connection>
    </reference-site>
  </vpls-protocol-state>
</instance>
```

**Description**    Bandwidth of a layer 2 connection

**<connection-bandwidth>****Usage**

```

<instance>
  <vpls-protocol-state>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <connection-bandwidth>
            <bandwidth>
              bandwidth
            </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
            class-bandwidth
          </class-bandwidth>
        </connection-bandwidth>
      </connection>
    </mesh-group-connection>
  </reference-site>
</vpls-protocol-state>
</instance>

```

**Description** Bandwidth of a layer 2 connection

**<connection-bandwidth>****Usage**

```

<l2vpn-connection-information>
  <instance>
    <reference-site>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
            class-bandwidth
          </class-bandwidth>
        </connection-bandwidth>
      </connection>
    </reference-site>
  </instance>
</l2vpn-connection-information>

```

**Description** Bandwidth of a layer 2 connection

## <connection-bandwidth>

### Usage

```
<l2vpn-connection-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <connection-bandwidth>
            <bandwidth>
              bandwidth
            </bandwidth>
            <class-type>
              class-type
            </class-type>
            <class-bandwidth>
              class-bandwidth
            </class-bandwidth>
          </connection-bandwidth>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>
</l2vpn-connection-information>
```

**Description** Bandwidth of a layer 2 connection

## <connection-bandwidth>

### Usage

```
<l2vpn-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
            class-bandwidth
          </class-bandwidth>
        </connection-bandwidth>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</l2vpn-connection-information>
```

**Description** Bandwidth of a layer 2 connection

**<connection-bandwidth>****Usage**

```

<l2vpn-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <connection-bandwidth>
            <bandwidth>
              bandwidth
            </bandwidth>
            <class-type>
              class-type
            </class-type>
            <class-bandwidth>
              class-bandwidth
            </class-bandwidth>
          </connection-bandwidth>
        </connection>
      </mesh-group-connection>
    </ldp-vpls-reference-site>
  </instance>
</l2vpn-connection-information>

```

**Description**    Bandwidth of a layer 2 connection

**<connection-bandwidth>****Usage**

```

<l2vpn-connection-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <connection-bandwidth>
            <bandwidth>
              bandwidth
            </bandwidth>
            <class-type>
              class-type
            </class-type>
            <class-bandwidth>
              class-bandwidth
            </class-bandwidth>
          </connection-bandwidth>
        </connection>
      </mesh-group-connection>
    </vpls-protocol-state>
  </instance>
</l2vpn-connection-information>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<l2vpn-connection-information>
<instance>
  <vppls-protocol-state>
    <reference-site>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
            class-bandwidth
          </class-bandwidth>
        </connection-bandwidth>
      </connection>
    </reference-site>
  </vppls-protocol-state>
</instance>
</l2vpn-connection-information>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<l2vpn-connection-information>
<instance>
  <vppls-protocol-state>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <connection-bandwidth>
            <bandwidth>
              bandwidth
            </bandwidth>
            <class-type>
              class-type
            </class-type>
            <class-bandwidth>
              class-bandwidth
            </class-bandwidth>
          </connection-bandwidth>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </vppls-protocol-state>
```



```
</instance>
</l2vpn-connection-information>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<vpls-connection-information>
<instance>
  <reference-site>
    <connection>
      <connection-bandwidth>
        <bandwidth>
          bandwidth
        </bandwidth>
        <class-type>
          class-type
        </class-type>
        <class-bandwidth>
          class-bandwidth
        </class-bandwidth>
      </connection-bandwidth>
    </connection>
  </reference-site>
</instance>
</vpls-connection-information>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<vpls-connection-information>
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
            class-bandwidth
          </class-bandwidth>
        </connection-bandwidth>
      </connection>
    </mesh-group-connection>
  </reference-site>
```

```
</instance>
</vpls-connection-information>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<vpls-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <connection-bandwidth>
        <bandwidth>
          bandwidth
        </bandwidth>
        <class-type>
          class-type
        </class-type>
        <class-bandwidth>
          class-bandwidth
        </class-bandwidth>
      </connection-bandwidth>
    </connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-connection-information>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<vpls-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
            class-bandwidth
          </class-bandwidth>
        </connection-bandwidth>
      </connection>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
```

```

    </instance>
  </vpls-connection-information>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <connection-bandwidth>
            <bandwidth>
              bandwidth
            </bandwidth>
            <class-type>
              class-type
            </class-type>
            <class-bandwidth>
              class-bandwidth
            </class-bandwidth>
          </connection-bandwidth>
        </connection>
      </mesh-group-connection>
    </vpls-protocol-state>
  </instance>
</vpls-connection-information>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <connection-bandwidth>
            <bandwidth>
              bandwidth
            </bandwidth>
            <class-type>
              class-type
            </class-type>
            <class-bandwidth>
              class-bandwidth
            </class-bandwidth>
          </connection-bandwidth>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-connection-information>

```

```
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-connection-information>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<vpls-connection-information>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <connection-bandwidth>
            <bandwidth>
              bandwidth
            </bandwidth>
            <class-type>
              class-type
            </class-type>
            <class-bandwidth>
              class-bandwidth
            </class-bandwidth>
          </connection-bandwidth>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </vpls-protocol-state>
</instance>
</vpls-connection-information>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<vpls-statistics-information>
<instance>
  <reference-site>
    <connection>
      <connection-bandwidth>
        <bandwidth>
          bandwidth
        </bandwidth>
        <class-type>
          class-type
        </class-type>
        <class-bandwidth>
          class-bandwidth
        </class-bandwidth>
      </connection-bandwidth>
    </connection>
  </reference-site>
</instance>
```

```

        </class-bandwidth>
      </connection-bandwidth>
    </connection>
  </reference-site>
</instance>
</vpls-statistics-information>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <connection-bandwidth>
            <bandwidth>
              bandwidth
            </bandwidth>
            <class-type>
              class-type
            </class-type>
            <class-bandwidth>
              class-bandwidth
            </class-bandwidth>
          </connection-bandwidth>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>
</vpls-statistics-information>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
            class-bandwidth

```

```
</class-bandwidth>
</connection-bandwidth>
</connection>
</ldp-vpls-reference-site>
</instance>
</vpls-statistics-information>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<vpls-statistics-information>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
            class-bandwidth
          </class-bandwidth>
        </connection-bandwidth>
      </connection>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-statistics-information>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<vpls-statistics-information>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
```

```

        class-bandwidth
      </class-bandwidth>
    </connection-bandwidth>
  </connection>
</mesh-group-connection>
</vpls-protocol-state>
</instance>
</vpls-statistics-information>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <connection-bandwidth>
            <bandwidth>
              bandwidth
            </bandwidth>
            <class-type>
              class-type
            </class-type>
            <class-bandwidth>
              class-bandwidth
            </class-bandwidth>
          </connection-bandwidth>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-statistics-information>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <connection-bandwidth>
              <bandwidth>
                bandwidth
              </bandwidth>
              <class-type>

```

```
        class-type
      </class-type>
    <class-bandwidth>
      class-bandwidth
    </class-bandwidth>
  </connection-bandwidth>
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-statistics-information>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <reference-site>
    <connection>
      <connection-bandwidth>
        <bandwidth>
          bandwidth
        </bandwidth>
        <class-type>
          class-type
        </class-type>
        <class-bandwidth>
          class-bandwidth
        </class-bandwidth>
      </connection-bandwidth>
    </connection>
  </reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
```



```

    <class-type>
      class-type
    </class-type>
    <class-bandwidth>
      class-bandwidth
    </class-bandwidth>
  </connection-bandwidth>
</connection>
</mesh-group-connection>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <connection-bandwidth>
        <bandwidth>
          bandwidth
        </bandwidth>
        <class-type>
          class-type
        </class-type>
        <class-bandwidth>
          class-bandwidth
        </class-bandwidth>
      </connection-bandwidth>
    </connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>

```

```
<class-type>
  class-type
</class-type>
<class-bandwidth>
  class-bandwidth
</class-bandwidth>
</connection-bandwidth>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
            class-bandwidth
          </class-bandwidth>
        </connection-bandwidth>
      </connection>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <connection-bandwidth>
          <bandwidth>
```

```

        bandwidth
      </bandwidth>
    <class-type>
      class-type
    </class-type>
    <class-bandwidth>
      class-bandwidth
    </class-bandwidth>
  </connection-bandwidth>
</connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <connection-bandwidth>
              <bandwidth>
                bandwidth
              </bandwidth>
            <class-type>
              class-type
            </class-type>
            <class-bandwidth>
              class-bandwidth
            </class-bandwidth>
          </connection-bandwidth>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>

```

```
<reference-site>
  <connection>
    <connection-bandwidth>
      <bandwidth>
        bandwidth
      </bandwidth>
      <class-type>
        class-type
      </class-type>
      <class-bandwidth>
        class-bandwidth
      </class-bandwidth>
    </connection-bandwidth>
  </connection>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <connection-bandwidth>
              <bandwidth>
                bandwidth
              </bandwidth>
              <class-type>
                class-type
              </class-type>
              <class-bandwidth>
                class-bandwidth
              </class-bandwidth>
            </connection-bandwidth>
          </connection>
        </mesh-group-connection>
      </reference-site>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

**Description** Bandwidth of a layer 2 connection

## <connection-bandwidth>

### Usage

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
            class-bandwidth
          </class-bandwidth>
        </connection-bandwidth>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

**Description** Bandwidth of a layer 2 connection

## <connection-bandwidth>

### Usage

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <connection-bandwidth>
            <bandwidth>
              bandwidth
            </bandwidth>
            <class-type>
              class-type
            </class-type>
            <class-bandwidth>
              class-bandwidth
            </class-bandwidth>
          </connection-bandwidth>
        </connection>
      </mesh-group-connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

</vpls-dynamic-interface-repository-information>

**Description**    Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
            class-bandwidth
          </class-bandwidth>
        </connection-bandwidth>
      </connection>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

**Description**    Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
            class-bandwidth
          </class-bandwidth>
```

```

        </connection-bandwidth>
      </connection>
    </reference-site>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <vpls-protocol-state>
        <reference-site>
          <mesh-group-connection>
            <connection>
              <connection-bandwidth>
                <bandwidth>
                  bandwidth
                </bandwidth>
                <class-type>
                  class-type
                </class-type>
                <class-bandwidth>
                  class-bandwidth
                </class-bandwidth>
              </connection-bandwidth>
            </connection>
          </mesh-group-connection>
        </reference-site>
      </vpls-protocol-state>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<l2circuit-connection-information>
  <l2circuit-neighbor>
    <connection>
      <connection-bandwidth>
        <bandwidth>
          bandwidth
        </bandwidth>
        <class-type>

```

```
        class-type
      </class-type>
    <class-bandwidth>
      class-bandwidth
    </class-bandwidth>
  </connection-bandwidth>
</connection>
</l2circuit-neighbor>
</l2circuit-connection-information>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<mvpn-instance-information>
  <instance>
    <reference-site>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
            class-bandwidth
          </class-bandwidth>
        </connection-bandwidth>
      </connection>
    </reference-site>
  </instance>
</mvpn-instance-information>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<mvpn-instance-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <connection-bandwidth>
            <bandwidth>
              bandwidth
            </bandwidth>
            <class-type>
              class-type
            </class-type>
```



```

    <class-bandwidth>
      class-bandwidth
    </class-bandwidth>
  </connection-bandwidth>
</connection>
</mesh-group-connection>
</reference-site>
</instance>
</mvpn-instance-information>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<mvpn-instance-information>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <connection-bandwidth>
        <bandwidth>
          bandwidth
        </bandwidth>
        <class-type>
          class-type
        </class-type>
        <class-bandwidth>
          class-bandwidth
        </class-bandwidth>
      </connection-bandwidth>
    </connection>
  </ldp-vpls-reference-site>
</instance>
</mvpn-instance-information>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<mvpn-instance-information>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>

```

```
<class-bandwidth>
  class-bandwidth
</class-bandwidth>
</connection-bandwidth>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</mvpn-instance-information>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<mvpn-instance-information>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
            class-type
          </class-type>
          <class-bandwidth>
            class-bandwidth
          </class-bandwidth>
        </connection-bandwidth>
      </connection>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</mvpn-instance-information>
```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```
<mvpn-instance-information>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <connection-bandwidth>
          <bandwidth>
            bandwidth
          </bandwidth>
          <class-type>
```

```

        class-type
      </class-type>
    <class-bandwidth>
      class-bandwidth
    </class-bandwidth>
  </connection-bandwidth>
</connection>
</reference-site>
</vpls-protocol-state>
</instance>
</mvpn-instance-information>

```

**Description** Bandwidth of a layer 2 connection

### <connection-bandwidth>

#### Usage

```

<mvpn-instance-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <connection-bandwidth>
              <bandwidth>
                bandwidth
              </bandwidth>
            <class-type>
              class-type
            </class-type>
            <class-bandwidth>
              class-bandwidth
            </class-bandwidth>
          </connection-bandwidth>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </vpls-protocol-state>
</instance>
</mvpn-instance-information>

```

**Description** Bandwidth of a layer 2 connection

### <connections-summary>

#### Usage

```

<connections-summary>
  <vc-up-count>
    vc-up-count
  </vc-up-count>
  <vc-down-count>
    vc-down-count

```

```
</vc-down-count>
</connections-summary>
```

#### Description

**<connections-summary>**

#### Usage

```
<mesh-group-connection>
  <connections-summary>
    <vc-up-count>
      vc-up-count
    </vc-up-count>
    <vc-down-count>
      vc-down-count
    </vc-down-count>
  </connections-summary>
</mesh-group-connection>
```

#### Description

**<connections-summary>**

#### Usage

```
<instance>
  <reference-site>
    <mesh-group-connection>
      <connections-summary>
        <vc-up-count>
          vc-up-count
        </vc-up-count>
        <vc-down-count>
          vc-down-count
        </vc-down-count>
      </connections-summary>
    </mesh-group-connection>
  </reference-site>
</instance>
```

#### Description

**<connections-summary>**

#### Usage

```
<instance>
  <reference-site>
    <connections-summary>
      <vc-up-count>
        vc-up-count
      </vc-up-count>
      <vc-down-count>
        vc-down-count
      </vc-down-count>
    </connections-summary>
  </reference-site>
</instance>
```

```

    </connections-summary>
  </reference-site>
</instance>

```

#### Description

### <connections-summary>

#### Usage

```

<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connections-summary>
        <vc-up-count>
          vc-up-count
        </vc-up-count>
        <vc-down-count>
          vc-down-count
        </vc-down-count>
      </connections-summary>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>

```

#### Description

### <connections-summary>

#### Usage

```

<instance>
  <ldp-vpls-reference-site>
    <connections-summary>
      <vc-up-count>
        vc-up-count
      </vc-up-count>
      <vc-down-count>
        vc-down-count
      </vc-down-count>
    </connections-summary>
  </ldp-vpls-reference-site>
</instance>

```

#### Description

### <connections-summary>

#### Usage

```

<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connections-summary>
        <vc-up-count>
          vc-up-count

```

```
</vc-up-count>
<vc-down-count>
  vc-down-count
</vc-down-count>
</connections-summary>
</mesh-group-connection>
</vpls-protocol-state>
</instance>
```

#### Description

### <connections-summary>

#### Usage

```
<instance>
<vpls-protocol-state>
<reference-site>
  <mesh-group-connection>
    <connections-summary>
      <vc-up-count>
        vc-up-count
      </vc-up-count>
      <vc-down-count>
        vc-down-count
      </vc-down-count>
    </connections-summary>
  </mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
```

#### Description

### <connections-summary>

#### Usage

```
<instance>
<vpls-protocol-state>
<reference-site>
  <connections-summary>
    <vc-up-count>
      vc-up-count
    </vc-up-count>
    <vc-down-count>
      vc-down-count
    </vc-down-count>
  </connections-summary>
</reference-site>
</vpls-protocol-state>
</instance>
```

#### Description

**<connections-summary>****Usage**

```

<l2vpn-connection-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connections-summary>
          <vc-up-count>
            vc-up-count
          </vc-up-count>
          <vc-down-count>
            vc-down-count
          </vc-down-count>
        </connections-summary>
      </mesh-group-connection>
    </reference-site>
  </instance>
</l2vpn-connection-information>

```

**Description****<connections-summary>****Usage**

```

<l2vpn-connection-information>
  <instance>
    <reference-site>
      <connections-summary>
        <vc-up-count>
          vc-up-count
        </vc-up-count>
        <vc-down-count>
          vc-down-count
        </vc-down-count>
      </connections-summary>
    </reference-site>
  </instance>
</l2vpn-connection-information>

```

**Description****<connections-summary>****Usage**

```

<l2vpn-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connections-summary>
          <vc-up-count>
            vc-up-count
          </vc-up-count>

```

```
<vc-down-count>
  vc-down-count
</vc-down-count>
</connections-summary>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</l2vpn-connection-information>
```

#### Description

### <connections-summary>

#### Usage

```
<l2vpn-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <connections-summary>
      <vc-up-count>
        vc-up-count
      </vc-up-count>
      <vc-down-count>
        vc-down-count
      </vc-down-count>
    </connections-summary>
  </ldp-vpls-reference-site>
</instance>
</l2vpn-connection-information>
```

#### Description

### <connections-summary>

#### Usage

```
<l2vpn-connection-information>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connections-summary>
        <vc-up-count>
          vc-up-count
        </vc-up-count>
        <vc-down-count>
          vc-down-count
        </vc-down-count>
      </connections-summary>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</l2vpn-connection-information>
```

#### Description



**<connections-summary>****Usage**

```

<l2vpn-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connections-summary>
            <vc-up-count>
              vc-up-count
            </vc-up-count>
            <vc-down-count>
              vc-down-count
            </vc-down-count>
          </connections-summary>
        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</l2vpn-connection-information>

```

**Description****<connections-summary>****Usage**

```

<l2vpn-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connections-summary>
          <vc-up-count>
            vc-up-count
          </vc-up-count>
          <vc-down-count>
            vc-down-count
          </vc-down-count>
        </connections-summary>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</l2vpn-connection-information>

```

**Description****<connections-summary>****Usage**

```

<vpls-connection-information>
  <instance>
    <reference-site>
      <mesh-group-connection>

```

```
<connections-summary>
  <vc-up-count>
    vc-up-count
  </vc-up-count>
  <vc-down-count>
    vc-down-count
  </vc-down-count>
</connections-summary>
</mesh-group-connection>
</reference-site>
</instance>
</vpls-connection-information>
```

#### Description

#### <connections-summary>

##### Usage

```
<vpls-connection-information>
  <instance>
    <reference-site>
      <connections-summary>
        <vc-up-count>
          vc-up-count
        </vc-up-count>
        <vc-down-count>
          vc-down-count
        </vc-down-count>
      </connections-summary>
    </reference-site>
  </instance>
</vpls-connection-information>
```

#### Description

#### <connections-summary>

##### Usage

```
<vpls-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connections-summary>
          <vc-up-count>
            vc-up-count
          </vc-up-count>
          <vc-down-count>
            vc-down-count
          </vc-down-count>
        </connections-summary>
      </mesh-group-connection>
    </ldp-vpls-reference-site>
  </instance>
```

```
</vpls-connection-information>
```

#### Description

### <connections-summary>

#### Usage

```
<vpls-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <connections-summary>
        <vc-up-count>
          vc-up-count
        </vc-up-count>
        <vc-down-count>
          vc-down-count
        </vc-down-count>
      </connections-summary>
    </ldp-vpls-reference-site>
  </instance>
</vpls-connection-information>
```

#### Description

### <connections-summary>

#### Usage

```
<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connections-summary>
          <vc-up-count>
            vc-up-count
          </vc-up-count>
          <vc-down-count>
            vc-down-count
          </vc-down-count>
        </connections-summary>
      </mesh-group-connection>
    </vpls-protocol-state>
  </instance>
</vpls-connection-information>
```

#### Description

### <connections-summary>

#### Usage

```
<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
```

```
<mesh-group-connection>
  <connections-summary>
    <vc-up-count>
      vc-up-count
    </vc-up-count>
    <vc-down-count>
      vc-down-count
    </vc-down-count>
  </connections-summary>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-connection-information>
```

#### Description

#### <connections-summary>

##### Usage

```
<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connections-summary>
          <vc-up-count>
            vc-up-count
          </vc-up-count>
          <vc-down-count>
            vc-down-count
          </vc-down-count>
        </connections-summary>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-connection-information>
```

#### Description

#### <connections-summary>

##### Usage

```
<vpls-statistics-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connections-summary>
          <vc-up-count>
            vc-up-count
          </vc-up-count>
          <vc-down-count>
            vc-down-count
          </vc-down-count>
        </connections-summary>
      </mesh-group-connection>
    </reference-site>
  </instance>
</vpls-statistics-information>
```

```

    </mesh-group-connection>
  </reference-site>
</instance>
</vpls-statistics-information>

```

#### Description

### <connections-summary>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <reference-site>
      <connections-summary>
        <vc-up-count>
          vc-up-count
        </vc-up-count>
        <vc-down-count>
          vc-down-count
        </vc-down-count>
      </connections-summary>
    </reference-site>
  </instance>
</vpls-statistics-information>

```

#### Description

### <connections-summary>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connections-summary>
          <vc-up-count>
            vc-up-count
          </vc-up-count>
          <vc-down-count>
            vc-down-count
          </vc-down-count>
        </connections-summary>
      </mesh-group-connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-statistics-information>

```

#### Description

### <connections-summary>

#### Usage

```

<vpls-statistics-information>

```

```
<instance>
  <ldp-vpls-reference-site>
    <connections-summary>
      <vc-up-count>
        vc-up-count
      </vc-up-count>
      <vc-down-count>
        vc-down-count
      </vc-down-count>
    </connections-summary>
  </ldp-vpls-reference-site>
</instance>
</vpls-statistics-information>
```

#### Description

### <connections-summary>

#### Usage

```
<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connections-summary>
          <vc-up-count>
            vc-up-count
          </vc-up-count>
          <vc-down-count>
            vc-down-count
          </vc-down-count>
        </connections-summary>
      </mesh-group-connection>
    </vpls-protocol-state>
  </instance>
</vpls-statistics-information>
```

#### Description

### <connections-summary>

#### Usage

```
<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connections-summary>
            <vc-up-count>
              vc-up-count
            </vc-up-count>
            <vc-down-count>
              vc-down-count
            </vc-down-count>
          </connections-summary>
        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-statistics-information>
```

```

        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-statistics-information>

```

#### Description

### <connections-summary>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connections-summary>
          <vc-up-count>
            vc-up-count
          </vc-up-count>
          <vc-down-count>
            vc-down-count
          </vc-down-count>
        </connections-summary>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-statistics-information>

```

#### Description

### <connections-summary>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connections-summary>
          <vc-up-count>
            vc-up-count
          </vc-up-count>
          <vc-down-count>
            vc-down-count
          </vc-down-count>
        </connections-summary>
      </mesh-group-connection>
    </reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

#### Description

**<connections-summary>****Usage**

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <reference-site>
    <connections-summary>
      <vc-up-count>
        vc-up-count
      </vc-up-count>
      <vc-down-count>
        vc-down-count
      </vc-down-count>
    </connections-summary>
  </reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

**Description****<connections-summary>****Usage**

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connections-summary>
        <vc-up-count>
          vc-up-count
        </vc-up-count>
        <vc-down-count>
          vc-down-count
        </vc-down-count>
      </connections-summary>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

**Description****<connections-summary>****Usage**

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <ldp-vpls-reference-site>
    <connections-summary>
      <vc-up-count>
        vc-up-count
      </vc-up-count>
      <vc-down-count>
```



```

        vc-down-count
      </vc-down-count>
    </connections-summary>
  </ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

## Description

### <connections-summary>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connections-summary>
        <vc-up-count>
          vc-up-count
        </vc-up-count>
        <vc-down-count>
          vc-down-count
        </vc-down-count>
      </connections-summary>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

## Description

### <connections-summary>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <mesh-group-connection>
        <connections-summary>
          <vc-up-count>
            vc-up-count
          </vc-up-count>
          <vc-down-count>
            vc-down-count
          </vc-down-count>
        </connections-summary>
      </mesh-group-connection>
    </reference-site>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

**Description****<connections-summary>****Usage**

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connections-summary>
        <vc-up-count>
          vc-up-count
        </vc-up-count>
        <vc-down-count>
          vc-down-count
        </vc-down-count>
      </connections-summary>
    </reference-site>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

**Description****<connections-summary>****Usage**

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <reference-site>
    <mesh-group-connection>
      <connections-summary>
        <vc-up-count>
          vc-up-count
        </vc-up-count>
        <vc-down-count>
          vc-down-count
        </vc-down-count>
      </connections-summary>
    </mesh-group-connection>
  </reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

**Description****<connections-summary>****Usage**

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
```

```

    <reference-site>
      <connections-summary>
        <vc-up-count>
          vc-up-count
        </vc-up-count>
        <vc-down-count>
          vc-down-count
        </vc-down-count>
      </connections-summary>
    </reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

### Description

#### <connections-summary>

#### Usage

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connections-summary>
        <vc-up-count>
          vc-up-count
        </vc-up-count>
        <vc-down-count>
          vc-down-count
        </vc-down-count>
      </connections-summary>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

### Description

#### <connections-summary>

#### Usage

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <ldp-vpls-reference-site>
    <connections-summary>
      <vc-up-count>
        vc-up-count
      </vc-up-count>
      <vc-down-count>
        vc-down-count
      </vc-down-count>
    </connections-summary>
  </ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

```
    </connections-summary>
  </ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

#### Description

### <connections-summary>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connections-summary>
        <vc-up-count>
          vc-up-count
        </vc-up-count>
        <vc-down-count>
          vc-down-count
        </vc-down-count>
      </connections-summary>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

#### Description

### <connections-summary>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <mesh-group-connection>
        <connections-summary>
          <vc-up-count>
            vc-up-count
          </vc-up-count>
          <vc-down-count>
            vc-down-count
          </vc-down-count>
        </connections-summary>
      </mesh-group-connection>
    </reference-site>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

```
</vpls-dynamic-interface-repository-information>
```

#### Description

#### <connections-summary>

##### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connections-summary>
        <vc-up-count>
          vc-up-count
        </vc-up-count>
        <vc-down-count>
          vc-down-count
        </vc-down-count>
      </connections-summary>
    </reference-site>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

#### Description

#### <connections-summary>

##### Usage

```
<l2circuit-connection-information>
<l2circuit-neighbor>
  <connections-summary>
    <vc-up-count>
      vc-up-count
    </vc-up-count>
    <vc-down-count>
      vc-down-count
    </vc-down-count>
  </connections-summary>
</l2circuit-neighbor>
</l2circuit-connection-information>
```

#### Description

#### <connections-summary>

##### Usage

```
<mvpn-instance-information>
<instance>
  <reference-site>
    <mesh-group-connection>
```

```
<connections-summary>
  <vc-up-count>
    vc-up-count
  </vc-up-count>
  <vc-down-count>
    vc-down-count
  </vc-down-count>
</connections-summary>
</mesh-group-connection>
</reference-site>
</instance>
</mvpn-instance-information>
```

#### Description

### <connections-summary>

#### Usage

```
<mvpn-instance-information>
<instance>
  <reference-site>
    <connections-summary>
      <vc-up-count>
        vc-up-count
      </vc-up-count>
      <vc-down-count>
        vc-down-count
      </vc-down-count>
    </connections-summary>
  </reference-site>
</instance>
</mvpn-instance-information>
```

#### Description

### <connections-summary>

#### Usage

```
<mvpn-instance-information>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connections-summary>
        <vc-up-count>
          vc-up-count
        </vc-up-count>
        <vc-down-count>
          vc-down-count
        </vc-down-count>
      </connections-summary>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>
```

```
</mvpn-instance-information>
```

#### Description

### <connections-summary>

#### Usage

```
<mvpn-instance-information>
<instance>
  <ldp-vpls-reference-site>
    <connections-summary>
      <vc-up-count>
        vc-up-count
      </vc-up-count>
      <vc-down-count>
        vc-down-count
      </vc-down-count>
    </connections-summary>
  </ldp-vpls-reference-site>
</instance>
</mvpn-instance-information>
```

#### Description

### <connections-summary>

#### Usage

```
<mvpn-instance-information>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connections-summary>
        <vc-up-count>
          vc-up-count
        </vc-up-count>
        <vc-down-count>
          vc-down-count
        </vc-down-count>
      </connections-summary>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</mvpn-instance-information>
```

#### Description

### <connections-summary>

#### Usage

```
<mvpn-instance-information>
<instance>
  <vpls-protocol-state>
    <reference-site>
```

```
<mesh-group-connection>
  <connections-summary>
    <vc-up-count>
      vc-up-count
    </vc-up-count>
    <vc-down-count>
      vc-down-count
    </vc-down-count>
  </connections-summary>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</mvpn-instance-information>
```

#### Description

#### <connections-summary>

##### Usage

```
<mvpn-instance-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connections-summary>
          <vc-up-count>
            vc-up-count
          </vc-up-count>
          <vc-down-count>
            vc-down-count
          </vc-down-count>
        </connections-summary>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</mvpn-instance-information>
```

#### Description

#### <cos-info>

##### Usage

```
<rsvp-interface>
  <cos-info>
    <queue-number>
      queue-number
    </queue-number>
    <tx-rate>
      tx-rate
    </tx-rate>
    <tx-rate-percent>
      tx-rate-percent
    </tx-rate-percent>
  <high-priority>
```



```

    high-priority
  </high-priority>
  <bw-exact>
    bw-exact
  </bw-exact>
</cos-info>
</rsvp-interface>

```

#### Description

**<cos-info>**

#### Usage

```

<cos-info>
  <queue-number>
    queue-number
  </queue-number>
  <tx-rate>
    tx-rate
  </tx-rate>
  <tx-rate-percent>
    tx-rate-percent
  </tx-rate-percent>
  <high-priority>
    high-priority
  </high-priority>
  <bw-exact>
    bw-exact
  </bw-exact>
</cos-info>

```

#### Description

**<cos-info>**

#### Usage

```

<rsvp-interface-information>
  <rsvp-interface>
    <cos-info>
      <queue-number>
        queue-number
      </queue-number>
      <tx-rate>
        tx-rate
      </tx-rate>
      <tx-rate-percent>
        tx-rate-percent
      </tx-rate-percent>
      <high-priority>
        high-priority
      </high-priority>
      <bw-exact>
        bw-exact
      </bw-exact>
    </cos-info>
  </rsvp-interface>
</rsvp-interface-information>

```

```
</cos-info>
</rsvp-interface>
</rsvp-interface-information>
```

#### Description

### <cspf-paths>

#### Usage

```
<mpls-cspf>
  <cspf-paths>
    <total-paths>
      total-paths
    </total-paths>
    <successful>
      successful
    </successful>
    <no-route>
      no-route
    </no-route>
    <sys-error>
      sys-error
    </sys-error>
    <cspfs>
      cspfs
    </cspfs>
  </cspf-paths>
</mpls-cspf>
```

**Description**    CSPP path computations statistics

### <cspf-paths>

#### Usage

```
<mpls-cspf-information>
  <mpls-cspf>
    <cspf-paths>
      <total-paths>
        total-paths
      </total-paths>
      <successful>
        successful
      </successful>
      <no-route>
        no-route
      </no-route>
      <sys-error>
        sys-error
      </sys-error>
      <cspfs>
        cspfs
      </cspfs>
    </cspf-paths>
```

```
</mpls-cspf>
</mpls-cspf-information>
```

**Description** CSPF path computations statistics

### <cspf-queue>

#### Usage

```
<mpls-cspf>
<cspf-queue>
  <current>
    current
  </current>
  <maximum>
    maximum
  </maximum>
  <dequeued>
    dequeued
  </dequeued>
</cspf-queue>
</mpls-cspf>
```

**Description** CSPF queue statistics

### <cspf-queue>

#### Usage

```
<mpls-cspf-information>
<mpls-cspf>
  <cspf-queue>
    <current>
      current
    </current>
    <maximum>
      maximum
    </maximum>
    <dequeued>
      dequeued
    </dequeued>
  </cspf-queue>
</mpls-cspf>
</mpls-cspf-information>
```

**Description** CSPF queue statistics

### <cspf-timing>

#### Usage

```
<mpls-cspf>
<cspf-timing>
  <total-time>
```

```
    total-time
  </total-time>
  <cspf-time>
    cspf-time
  </cspf-time>
  <average-time>
    average-time
  </average-time>
  <rpdp-time>
    rpdp-time
  </rpdp-time>
</cspf-timing>
</mpls-cspf>
```

**Description** CSPF timing statistics

### <cspf-timing>

#### Usage

```
<mpls-cspf-information>
  <mpls-cspf>
    <cspf-timing>
      <total-time>
        total-time
      </total-time>
      <cspf-time>
        cspf-time
      </cspf-time>
      <average-time>
        average-time
      </average-time>
      <rpdp-time>
        rpdp-time
      </rpdp-time>
    </cspf-timing>
  </mpls-cspf>
</mpls-cspf-information>
```

**Description** CSPF timing statistics

### <dense-event>

#### Usage

```
<pim-join-information>
  <join-family>
    <join-group>
      <dense-event>
        <dense-receive-prune>....</dense-receive-prune>
        <dense-send-prune>....</dense-send-prune>
        <dense-join>....</dense-join>
        <dense-graft>....</dense-graft>
      </dense-event>
```

```

    </join-group>
  </join-family>
</pim-join-information>

```

#### Description

### <dense-graft>

#### Usage

```

<pim-join-information>
  <join-family>
    <join-group>
      <dense-event>
        <dense-graft>
          <pim-interface-name>
            pim-interface-name
          </pim-interface-name>
          <dense-timeout>
            dense-timeout
          </dense-timeout>
        </dense-graft>
      </dense-event>
    </join-group>
  </join-family>
</pim-join-information>

```

#### Description

### <dense-join>

#### Usage

```

<pim-join-information>
  <join-family>
    <join-group>
      <dense-event>
        <dense-join>
          <pim-interface-name>
            pim-interface-name
          </pim-interface-name>
          <dense-timeout>
            dense-timeout
          </dense-timeout>
        </dense-join>
      </dense-event>
    </join-group>
  </join-family>
</pim-join-information>

```

#### Description

## &lt;dense-receive-prune&gt;

## Usage

```
<pim-join-information>
  <join-family>
    <join-group>
      <dense-event>
        <dense-receive-prune>
          <pim-interface-name>
            pim-interface-name
          </pim-interface-name>
          <dense-timeout>
            dense-timeout
          </dense-timeout>
        </dense-receive-prune>
      </dense-event>
    </join-group>
  </join-family>
</pim-join-information>
```

## Description

## &lt;dense-send-prune&gt;

## Usage

```
<pim-join-information>
  <join-family>
    <join-group>
      <dense-event>
        <dense-send-prune>
          <pim-interface-name>
            pim-interface-name
          </pim-interface-name>
          <dense-timeout>
            dense-timeout
          </dense-timeout>
        </dense-send-prune>
      </dense-event>
    </join-group>
  </join-family>
</pim-join-information>
```

## Description

## &lt;destination-network&gt;

## Usage

```
<destination-network>
  <prefix>
    prefix
  </prefix>
  <destination-network-deleted>
    destination-network-deleted
  </destination-network-deleted>
</destination-network>
```

```

</destination-network-deleted>
<dynamic-tunnel>....</dynamic-tunnel>
</destination-network>

```

#### Description

### <destination-network>

#### Usage

```

<dynamic-tunnel-table>
  <destination-network>
    <prefix>
      prefix
    </prefix>
    <destination-network-deleted>
      destination-network-deleted
    </destination-network-deleted>
    <dynamic-tunnel>....</dynamic-tunnel>
  </destination-network>
</dynamic-tunnel-table>

```

#### Description

### <destination-network>

#### Usage

```

<dynamic-tunnels-information>
  <dynamic-tunnel-table>
    <destination-network>
      <prefix>
        prefix
      </prefix>
      <destination-network-deleted>
        destination-network-deleted
      </destination-network-deleted>
      <dynamic-tunnel>....</dynamic-tunnel>
    </destination-network>
  </dynamic-tunnel-table>
</dynamic-tunnels-information>

```

#### Description

### <detour>

#### Usage

```

<rsvp-session-data>
  <rsvp-session>
    <detour>
      <lsp-state>
        lsp-state
      </lsp-state>
      <sender-tspec>
        sender-tspec

```

```
</sender-tspec>
<adspec>
  adspec
</adspec>
<path-mtu>
  path-mtu
</path-mtu>
<path-mtu-in-kernel>
  path-mtu-in-kernel
</path-mtu-in-kernel>
<packet-information>....</packet-information>
<explicit-route>....</explicit-route>
<record-route>....</record-route>
<label-out>
  label-out
</label-out>
<lsp-diffserv-info>
  lsp-diffserv-info
</lsp-diffserv-info>
<ct-bw>
  ct-bw
</ct-bw>
</detour>
</rsvp-session>
</rsvp-session-data>
```

**Description** Detour session

## <detour>

### Usage

```
<rsvp-session>
<detour>
  <lsp-state>
    lsp-state
  </lsp-state>
  <sender-tspec>
    sender-tspec
  </sender-tspec>
  <adspec>
    adspec
  </adspec>
  <path-mtu>
    path-mtu
  </path-mtu>
  <path-mtu-in-kernel>
    path-mtu-in-kernel
  </path-mtu-in-kernel>
  <packet-information>....</packet-information>
  <explicit-route>....</explicit-route>
  <record-route>....</record-route>
  <label-out>
    label-out
  </label-out>
```



```

    <lsp-diffserv-info>
      lsp-diffserv-info
    </lsp-diffserv-info>
    <ct-bw>
      ct-bw
    </ct-bw>
  </detour>
</rsvp-session>

```

**Description** Detour session

## <detour>

### Usage

```

<detour>
  <lsp-state>
    lsp-state
  </lsp-state>
  <sender-tspec>
    sender-tspec
  </sender-tspec>
  <adspec>
    adspec
  </adspec>
  <path-mtu>
    path-mtu
  </path-mtu>
  <path-mtu-in-kernel>
    path-mtu-in-kernel
  </path-mtu-in-kernel>
  <packet-information>....</packet-information>
  <explicit-route>....</explicit-route>
  <record-route>....</record-route>
  <label-out>
    label-out
  </label-out>
  <lsp-diffserv-info>
    lsp-diffserv-info
  </lsp-diffserv-info>
  <ct-bw>
    ct-bw
  </ct-bw>
</detour>

```

**Description** Detour session

## <detour>

### Usage

```

<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>

```

```
<detour>
  <lsp-state>
    lsp-state
  </lsp-state>
  <sender-tspec>
    sender-tspec
  </sender-tspec>
  <adspec>
    adspec
  </adspec>
  <path-mtu>
    path-mtu
  </path-mtu>
  <path-mtu-in-kernel>
    path-mtu-in-kernel
  </path-mtu-in-kernel>
  <packet-information>....</packet-information>
  <explicit-route>....</explicit-route>
  <record-route>....</record-route>
  <label-out>
    label-out
  </label-out>
  <lsp-diffserv-info>
    lsp-diffserv-info
  </lsp-diffserv-info>
  <ct-bw>
    ct-bw
  </ct-bw>
</detour>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>
```

**Description** Detour session

## <detour>

### Usage

```
<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <detour>
        <lsp-state>
          lsp-state
        </lsp-state>
        <sender-tspec>
          sender-tspec
        </sender-tspec>
        <adspec>
          adspec
        </adspec>
        <path-mtu>
          path-mtu
        </path-mtu>
```

```

    <path-mtu-in-kernel>
      path-mtu-in-kernel
    </path-mtu-in-kernel>
    <packet-information>....</packet-information>
    <explicit-route>....</explicit-route>
    <record-route>....</record-route>
    <label-out>
      label-out
    </label-out>
    <lsp-diffserv-info>
      lsp-diffserv-info
    </lsp-diffserv-info>
    <ct-bw>
      ct-bw
    </ct-bw>
  </detour>
</rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>

```

**Description** Detour session

### <detour-bandwidth>

#### Usage

```

<rsvp-telink>
  <detour-bandwidth>
    <bandwidth-priority>
      bandwidth-priority
    </bandwidth-priority>
    <total-reserved-bandwidth>
      total-reserved-bandwidth
    </total-reserved-bandwidth>
    <interface-address>
      interface-address
    </interface-address>
  </detour-bandwidth>
</rsvp-telink>

```

**Description** Bandwidth reserved on detour at different priority levels

### <detour-bandwidth>

#### Usage

```

<rsvp-session-data>
  <rsvp-session>
    <rsvp-telink>
      <detour-bandwidth>
        <bandwidth-priority>
          bandwidth-priority
        </bandwidth-priority>
        <total-reserved-bandwidth>

```

```
        total-reserved-bandwidth
      </total-reserved-bandwidth>
    <interface-address>
      interface-address
    </interface-address>
  </detour-bandwidth>
</rsvp-telink>
</rsvp-session>
</rsvp-session-data>
```

**Description** Bandwidth reserved on detour at different priority levels

### <detour-bandwidth>

#### Usage

```
<rsvp-session>
  <rsvp-telink>
    <detour-bandwidth>
      <bandwidth-priority>
        bandwidth-priority
      </bandwidth-priority>
      <total-reserved-bandwidth>
        total-reserved-bandwidth
      </total-reserved-bandwidth>
      <interface-address>
        interface-address
      </interface-address>
    </detour-bandwidth>
  </rsvp-telink>
</rsvp-session>
```

**Description** Bandwidth reserved on detour at different priority levels

### <detour-bandwidth>

#### Usage

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <rsvp-telink>
        <detour-bandwidth>
          <bandwidth-priority>
            bandwidth-priority
          </bandwidth-priority>
          <total-reserved-bandwidth>
            total-reserved-bandwidth
          </total-reserved-bandwidth>
          <interface-address>
            interface-address
          </interface-address>
        </detour-bandwidth>
      </rsvp-telink>
```

```

    </rsvp-session>
  </rsvp-session-data>
</rsvp-session-information>

```

**Description** Bandwidth reserved on detour at different priority levels

### <detour-bandwidth>

#### Usage

```

<rsvp-interface>
  <rsvp-telink>
    <detour-bandwidth>
      <bandwidth-priority>
        bandwidth-priority
      </bandwidth-priority>
      <total-reserved-bandwidth>
        total-reserved-bandwidth
      </total-reserved-bandwidth>
      <interface-address>
        interface-address
      </interface-address>
    </detour-bandwidth>
  </rsvp-telink>
</rsvp-interface>

```

**Description** Bandwidth reserved on detour at different priority levels

### <detour-bandwidth>

#### Usage

```

<rsvp-interface-information>
  <rsvp-interface>
    <rsvp-telink>
      <detour-bandwidth>
        <bandwidth-priority>
          bandwidth-priority
        </bandwidth-priority>
        <total-reserved-bandwidth>
          total-reserved-bandwidth
        </total-reserved-bandwidth>
        <interface-address>
          interface-address
        </interface-address>
      </detour-bandwidth>
    </rsvp-telink>
  </rsvp-interface>
</rsvp-interface-information>

```

**Description** Bandwidth reserved on detour at different priority levels

## <detour-bandwidth>

### Usage

```
<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <rsvp-telink>
        <detour-bandwidth>
          <bandwidth-priority>
            bandwidth-priority
          </bandwidth-priority>
          <total-reserved-bandwidth>
            total-reserved-bandwidth
          </total-reserved-bandwidth>
          <interface-address>
            interface-address
          </interface-address>
        </detour-bandwidth>
      </rsvp-telink>
    </rsvp-session>
  </rsvp-session-data>
</mpls-lsp-information>
```

**Description** Bandwidth reserved on detour at different priority levels

## <detour-branch>

### Usage

```
<rsvp-session-data>
  <rsvp-session>
    <detour-branch>
      <source-address>
        source-address
      </source-address>
      <skip-address>
        skip-address
      </skip-address>
      <lsp-state>
        lsp-state
      </lsp-state>
      <sender-tspec>
        sender-tspec
      </sender-tspec>
      <adspec>
        adspec
      </adspec>
      <path-mtu>
        path-mtu
      </path-mtu>
      <explicit-route>....</explicit-route>
      <record-route>....</record-route>
      <packet-information>....</packet-information>
      <detour-branch-labels>....</detour-branch-labels>
```

```

    </detour-branch>
  </rsvp-session>
</rsvp-session-data>

```

**Description** Branch of some detour session

## <detour-branch>

### Usage

```

<rsvp-session>
  <detour-branch>
    <source-address>
      source-address
    </source-address>
    <skip-address>
      skip-address
    </skip-address>
    <lsp-state>
      lsp-state
    </lsp-state>
    <sender-tspec>
      sender-tspec
    </sender-tspec>
    <adspec>
      adspec
    </adspec>
    <path-mtu>
      path-mtu
    </path-mtu>
    <explicit-route>....</explicit-route>
    <record-route>....</record-route>
    <packet-information>....</packet-information>
    <detour-branch-labels>....</detour-branch-labels>
  </detour-branch>
</rsvp-session>

```

**Description** Branch of some detour session

## <detour-branch>

### Usage

```

<detour-branch>
  <source-address>
    source-address
  </source-address>
  <skip-address>
    skip-address
  </skip-address>
  <lsp-state>
    lsp-state
  </lsp-state>
  <sender-tspec>

```

```
    sender-tspec
  </sender-tspec>
  <adspec>
    adspec
  </adspec>
  <path-mtu>
    path-mtu
  </path-mtu>
  <explicit-route>....</explicit-route>
  <record-route>....</record-route>
  <packet-information>....</packet-information>
  <detour-branch-labels>....</detour-branch-labels>
</detour-branch>
```

**Description** Branch of some detour session

## <detour-branch>

### Usage

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <detour-branch>
        <source-address>
          source-address
        </source-address>
        <skip-address>
          skip-address
        </skip-address>
        <lsp-state>
          lsp-state
        </lsp-state>
        <sender-tspec>
          sender-tspec
        </sender-tspec>
        <adspec>
          adspec
        </adspec>
        <path-mtu>
          path-mtu
        </path-mtu>
        <explicit-route>....</explicit-route>
        <record-route>....</record-route>
        <packet-information>....</packet-information>
        <detour-branch-labels>....</detour-branch-labels>
      </detour-branch>
    </rsvp-session>
  </rsvp-session-data>
</rsvp-session-information>
```

**Description** Branch of some detour session



## <detour-branch>

### Usage

```

<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <detour-branch>
        <source-address>
          source-address
        </source-address>
        <skip-address>
          skip-address
        </skip-address>
        <lsp-state>
          lsp-state
        </lsp-state>
        <sender-tspec>
          sender-tspec
        </sender-tspec>
        <adspec>
          adspec
        </adspec>
        <path-mtu>
          path-mtu
        </path-mtu>
        <explicit-route>....</explicit-route>
        <record-route>....</record-route>
        <packet-information>....</packet-information>
        <detour-branch-labels>....</detour-branch-labels>
      </detour-branch>
    </rsvp-session>
  </rsvp-session-data>
</mpls-lsp-information>

```

**Description** Branch of some detour session

## <detour-branch-labels>

### Usage

```

<rsvp-session-data>
  <rsvp-session>
    <detour-branch>
      <detour-branch-labels>
        <label-in>
          label-in
        </label-in>
        <label-out>
          label-out
        </label-out>
      </detour-branch-labels>
    </detour-branch>
  </rsvp-session>

```

```
</rsvp-session-data>
```

#### Description

### <detour-branch-labels>

#### Usage

```
<rsvp-session>
  <detour-branch>
    <detour-branch-labels>
      <label-in>
        label-in
      </label-in>
      <label-out>
        label-out
      </label-out>
    </detour-branch-labels>
  </detour-branch>
</rsvp-session>
```

#### Description

### <detour-branch-labels>

#### Usage

```
<detour-branch>
  <detour-branch-labels>
    <label-in>
      label-in
    </label-in>
    <label-out>
      label-out
    </label-out>
  </detour-branch-labels>
</detour-branch>
```

#### Description

### <detour-branch-labels>

#### Usage

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <detour-branch>
        <detour-branch-labels>
          <label-in>
            label-in
          </label-in>
          <label-out>
            label-out
          </label-out>
        </detour-branch-labels>
      </detour-branch>
    </rsvp-session>
  </rsvp-session-data>
</rsvp-session-information>
```

```

    </detour-branch>
  </rsvp-session>
</rsvp-session-data>
</rsvp-session-information>

```

## Description

### <detour-branch-labels>

#### Usage

```

<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <detour-branch>
        <detour-branch-labels>
          <label-in>
            label-in
          </label-in>
          <label-out>
            label-out
          </label-out>
        </detour-branch-labels>
      </detour-branch>
    </rsvp-session>
  </rsvp-session-data>
</mpls-lsp-information>

```

## Description

### <downstream-assert-neighbor>

#### Usage

```

<pim-join-information>
  <join-family>
    <join-group>
      <sparse-downstream-interface>
        <downstream-assert-neighbor>
          <neighbor-address>
            neighbor-address
          </neighbor-address>
          <neighbor-assert-metric>
            neighbor-assert-metric
          </neighbor-assert-metric>
          <neighbor-assert-preference>
            neighbor-assert-preference
          </neighbor-assert-preference>
          <neighbor-assert-timeout>
            neighbor-assert-timeout
          </neighbor-assert-timeout>
        </downstream-assert-neighbor>
      </sparse-downstream-interface>
    </join-group>
  </join-family>

```

</pim-join-information>

**Description** Information about the neighbor that won the assert

### <downstream-interface>

#### Usage

```
<pim-join-information>
  <join-family>
    <join-group>
      <downstream-interface>
        <pim-interface-name>
          pim-interface-name
        </pim-interface-name>
        <pruned-timeout>
          pruned-timeout
        </pruned-timeout>
        <pim-interface-state>
          pim-interface-state
        </pim-interface-state>
      </downstream-interface>
    </join-group>
  </join-family>
</pim-join-information>
```

#### Description

### <downstream-neighbor>

#### Usage

```
<pim-join-information>
  <join-family>
    <join-group>
      <sparse-downstream-interface>
        <downstream-neighbor>
          <neighbor-address>
            neighbor-address
          </neighbor-address>
          <neighbor-state>
            neighbor-state
          </neighbor-state>
          <terse-sparse>
            terse-sparse
          </terse-sparse>
          <terse-rpt>
            terse-rpt
          </terse-rpt>
          <terse-wc>
            terse-wc
          </terse-wc>
          <neighbor-timeout>
            neighbor-timeout
          </neighbor-timeout>
```

```

        </downstream-neighbor>
      </sparse-downstream-interface>
    </join-group>
  </join-family>
</pim-join-information>

```

#### Description

### <dvmrp-capability-flags>

#### Usage

```

<dvmrp-interfaces-information>
  <dvmrp-instance>
    <dvmrp-neighbor>
      <dvmrp-capability-flags>
        <dvmrp-neighbor-one-way>
          dvmrp-neighbor-one-way
        </dvmrp-neighbor-one-way>
        <dvmrp-neighbor-prune>
          dvmrp-neighbor-prune
        </dvmrp-neighbor-prune>
        <dvmrp-neighbor-generation-id>
          dvmrp-neighbor-generation-id
        </dvmrp-neighbor-generation-id>
        <dvmrp-neighbor-mtrace>
          dvmrp-neighbor-mtrace
        </dvmrp-neighbor-mtrace>
        <dvmrp-neighbor-leave>
          dvmrp-neighbor-leave
        </dvmrp-neighbor-leave>
        <dvmrp-neighbor-snmp>
          dvmrp-neighbor-snmp
        </dvmrp-neighbor-snmp>
        <dvmrp-neighbor-netmask>
          dvmrp-neighbor-netmask
        </dvmrp-neighbor-netmask>
      </dvmrp-capability-flags>
    </dvmrp-neighbor>
  </dvmrp-instance>
</dvmrp-interfaces-information>

```

#### Description

### <dvmrp-capability-flags>

#### Usage

```

<dvmrp-graft-queue-information>
  <dvmrp-instance>
    <dvmrp-neighbor>
      <dvmrp-capability-flags>
        <dvmrp-neighbor-one-way>
          dvmrp-neighbor-one-way
        </dvmrp-neighbor-one-way>
        <dvmrp-neighbor-prune>

```

```
    dvmrp-neighbor-prune
  </dvmrp-neighbor-prune>
  <dvmrp-neighbor-generation-id>
    dvmrp-neighbor-generation-id
  </dvmrp-neighbor-generation-id>
  <dvmrp-neighbor-mtrace>
    dvmrp-neighbor-mtrace
  </dvmrp-neighbor-mtrace>
  <dvmrp-neighbor-leave>
    dvmrp-neighbor-leave
  </dvmrp-neighbor-leave>
  <dvmrp-neighbor-snmp>
    dvmrp-neighbor-snmp
  </dvmrp-neighbor-snmp>
  <dvmrp-neighbor-netmask>
    dvmrp-neighbor-netmask
  </dvmrp-neighbor-netmask>
</dvmrp-capability-flags>
</dvmrp-neighbor>
</dvmrp-instance>
</dvmrp-graft-queue-information>
```

## Description

### <dvmrp-capability-flags>

#### Usage

```
<dvmrp-neighbors-information>
<dvmrp-instance>
  <dvmrp-neighbor>
    <dvmrp-capability-flags>
      <dvmrp-neighbor-one-way>
        dvmrp-neighbor-one-way
      </dvmrp-neighbor-one-way>
      <dvmrp-neighbor-prune>
        dvmrp-neighbor-prune
      </dvmrp-neighbor-prune>
      <dvmrp-neighbor-generation-id>
        dvmrp-neighbor-generation-id
      </dvmrp-neighbor-generation-id>
      <dvmrp-neighbor-mtrace>
        dvmrp-neighbor-mtrace
      </dvmrp-neighbor-mtrace>
      <dvmrp-neighbor-leave>
        dvmrp-neighbor-leave
      </dvmrp-neighbor-leave>
      <dvmrp-neighbor-snmp>
        dvmrp-neighbor-snmp
      </dvmrp-neighbor-snmp>
      <dvmrp-neighbor-netmask>
        dvmrp-neighbor-netmask
      </dvmrp-neighbor-netmask>
    </dvmrp-capability-flags>
  </dvmrp-neighbor>
</dvmrp-instance>
```

```
</dvmrp-neighbors-information>
```

## Description

### <dvmrp-capability-flags>

#### Usage

```
<dvmrp-prefix-information>
<dvmrp-instance>
<dvmrp-neighbor>
  <dvmrp-capability-flags>
    <dvmrp-neighbor-one-way>
      dvmrp-neighbor-one-way
    </dvmrp-neighbor-one-way>
    <dvmrp-neighbor-prune>
      dvmrp-neighbor-prune
    </dvmrp-neighbor-prune>
    <dvmrp-neighbor-generation-id>
      dvmrp-neighbor-generation-id
    </dvmrp-neighbor-generation-id>
    <dvmrp-neighbor-mtrace>
      dvmrp-neighbor-mtrace
    </dvmrp-neighbor-mtrace>
    <dvmrp-neighbor-leave>
      dvmrp-neighbor-leave
    </dvmrp-neighbor-leave>
    <dvmrp-neighbor-snmp>
      dvmrp-neighbor-snmp
    </dvmrp-neighbor-snmp>
    <dvmrp-neighbor-netmask>
      dvmrp-neighbor-netmask
    </dvmrp-neighbor-netmask>
  </dvmrp-capability-flags>
</dvmrp-neighbor>
</dvmrp-instance>
</dvmrp-prefix-information>
```

## Description

### <dvmrp-capability-flags>

#### Usage

```
<dvmrp-prunes-information>
<dvmrp-instance>
<dvmrp-neighbor>
  <dvmrp-capability-flags>
    <dvmrp-neighbor-one-way>
      dvmrp-neighbor-one-way
    </dvmrp-neighbor-one-way>
    <dvmrp-neighbor-prune>
      dvmrp-neighbor-prune
    </dvmrp-neighbor-prune>
    <dvmrp-neighbor-generation-id>
      dvmrp-neighbor-generation-id
```

```
</dvmrp-neighbor-generation-id>
<dvmrp-neighbor-mtrace>
  dvmrp-neighbor-mtrace
</dvmrp-neighbor-mtrace>
<dvmrp-neighbor-leave>
  dvmrp-neighbor-leave
</dvmrp-neighbor-leave>
<dvmrp-neighbor-snmp>
  dvmrp-neighbor-snmp
</dvmrp-neighbor-snmp>
<dvmrp-neighbor-netmask>
  dvmrp-neighbor-netmask
</dvmrp-neighbor-netmask>
</dvmrp-capability-flags>
</dvmrp-neighbor>
</dvmrp-instance>
</dvmrp-prunes-information>
```

#### Description

### <dvmrp-designated-querier-information>

#### Usage

```
<dvmrp-designated-querier-information>
</dvmrp-designated-querier-information>
```

#### Description

### <dvmrp-graft>

#### Usage

```
<dvmrp-interfaces-information>
<dvmrp-instance>
  <dvmrp-graft>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <dvmrp-graft-expire-time>
      dvmrp-graft-expire-time
    </dvmrp-graft-expire-time>
    <dvmrp-neighbor-address>
      dvmrp-neighbor-address
    </dvmrp-neighbor-address>
  </dvmrp-graft>
</dvmrp-instance>
</dvmrp-interfaces-information>
```

#### Description



## <dvmrp-graft>

### Usage

```

<dvmrp-graft-queue-information>
  <dvmrp-instance>
    <dvmrp-graft>
      <multicast-group-address>
        multicast-group-address
      </multicast-group-address>
      <multicast-source-address>
        multicast-source-address
      </multicast-source-address>
      <dvmrp-graft-expire-time>
        dvmrp-graft-expire-time
      </dvmrp-graft-expire-time>
      <dvmrp-neighbor-address>
        dvmrp-neighbor-address
      </dvmrp-neighbor-address>
    </dvmrp-graft>
  </dvmrp-instance>
</dvmrp-graft-queue-information>

```

### Description

## <dvmrp-graft>

### Usage

```

<dvmrp-neighbors-information>
  <dvmrp-instance>
    <dvmrp-graft>
      <multicast-group-address>
        multicast-group-address
      </multicast-group-address>
      <multicast-source-address>
        multicast-source-address
      </multicast-source-address>
      <dvmrp-graft-expire-time>
        dvmrp-graft-expire-time
      </dvmrp-graft-expire-time>
      <dvmrp-neighbor-address>
        dvmrp-neighbor-address
      </dvmrp-neighbor-address>
    </dvmrp-graft>
  </dvmrp-instance>
</dvmrp-neighbors-information>

```

### Description

## <dvmrp-graft>

### Usage

```

<dvmrp-prefix-information>
  <dvmrp-instance>

```

```
<dvmrp-graft>
  <multicast-group-address>
    multicast-group-address
  </multicast-group-address>
  <multicast-source-address>
    multicast-source-address
  </multicast-source-address>
  <dvmrp-graft-expire-time>
    dvmrp-graft-expire-time
  </dvmrp-graft-expire-time>
  <dvmrp-neighbor-address>
    dvmrp-neighbor-address
  </dvmrp-neighbor-address>
</dvmrp-graft>
</dvmrp-instance>
</dvmrp-prefix-information>
```

#### Description

### <dvmrp-graft>

#### Usage

```
<dvmrp-prunes-information>
  <dvmrp-instance>
    <dvmrp-graft>
      <multicast-group-address>
        multicast-group-address
      </multicast-group-address>
      <multicast-source-address>
        multicast-source-address
      </multicast-source-address>
      <dvmrp-graft-expire-time>
        dvmrp-graft-expire-time
      </dvmrp-graft-expire-time>
      <dvmrp-neighbor-address>
        dvmrp-neighbor-address
      </dvmrp-neighbor-address>
    </dvmrp-graft>
  </dvmrp-instance>
</dvmrp-prunes-information>
```

#### Description

### <dvmrp-graft-queue-information>

#### Usage

```
<dvmrp-graft-queue-information>
  <dvmrp-instance>....</dvmrp-instance>
</dvmrp-graft-queue-information>
```

#### Description

## <dvmrp-group>

### Usage

```

<dvmrp-interfaces-information>
  <dvmrp-instance>
    <dvmrp-prefix-entry>
      <dvmrp-group>
        <multicast-group-address>
          multicast-group-address
        </multicast-group-address>
        <dvmrp-prunes-sent>
          dvmrp-prunes-sent
        </dvmrp-prunes-sent>
        <dvmrp-grafts-sent>
          dvmrp-grafts-sent
        </dvmrp-grafts-sent>
        <dvmrp-cache-lifetime>
          dvmrp-cache-lifetime
        </dvmrp-cache-lifetime>
        <dvmrp-prune-time>
          dvmrp-prune-time
        </dvmrp-prune-time>
        <dvmrp-prune-lifetime>
          dvmrp-prune-lifetime
        </dvmrp-prune-lifetime>
        <dvmrp-prune>....</dvmrp-prune>
      </dvmrp-group>
    </dvmrp-prefix-entry>
  </dvmrp-instance>
</dvmrp-interfaces-information>

```

### Description

## <dvmrp-group>

### Usage

```

<dvmrp-graft-queue-information>
  <dvmrp-instance>
    <dvmrp-prefix-entry>
      <dvmrp-group>
        <multicast-group-address>
          multicast-group-address
        </multicast-group-address>
        <dvmrp-prunes-sent>
          dvmrp-prunes-sent
        </dvmrp-prunes-sent>
        <dvmrp-grafts-sent>
          dvmrp-grafts-sent
        </dvmrp-grafts-sent>
        <dvmrp-cache-lifetime>
          dvmrp-cache-lifetime
        </dvmrp-cache-lifetime>
        <dvmrp-prune-time>
          dvmrp-prune-time

```

```
</dvmrp-prune-time>
<dvmrp-prune-lifetime>
  dvmrp-prune-lifetime
</dvmrp-prune-lifetime>
<dvmrp-prune>....</dvmrp-prune>
</dvmrp-group>
</dvmrp-prefix-entry>
</dvmrp-instance>
</dvmrp-graft-queue-information>
```

#### Description

### <dvmrp-group>

#### Usage

```
<dvmrp-neighbors-information>
<dvmrp-instance>
  <dvmrp-prefix-entry>
    <dvmrp-group>
      <mcast-group-address>
        mcast-group-address
      </mcast-group-address>
      <dvmrp-prunes-sent>
        dvmrp-prunes-sent
      </dvmrp-prunes-sent>
      <dvmrp-grafts-sent>
        dvmrp-grafts-sent
      </dvmrp-grafts-sent>
      <dvmrp-cache-lifetime>
        dvmrp-cache-lifetime
      </dvmrp-cache-lifetime>
      <dvmrp-prune-time>
        dvmrp-prune-time
      </dvmrp-prune-time>
      <dvmrp-prune-lifetime>
        dvmrp-prune-lifetime
      </dvmrp-prune-lifetime>
      <dvmrp-prune>....</dvmrp-prune>
    </dvmrp-group>
  </dvmrp-prefix-entry>
</dvmrp-instance>
</dvmrp-neighbors-information>
```

#### Description

### <dvmrp-group>

#### Usage

```
<dvmrp-prefix-information>
<dvmrp-instance>
  <dvmrp-prefix-entry>
    <dvmrp-group>
      <mcast-group-address>
        mcast-group-address
      </mcast-group-address>
    </dvmrp-group>
  </dvmrp-prefix-entry>
</dvmrp-instance>
```

```

</multicast-group-address>
<dvmrp-prunes-sent>
  dvmrp-prunes-sent
</dvmrp-prunes-sent>
<dvmrp-grafts-sent>
  dvmrp-grafts-sent
</dvmrp-grafts-sent>
<dvmrp-cache-lifetime>
  dvmrp-cache-lifetime
</dvmrp-cache-lifetime>
<dvmrp-prune-time>
  dvmrp-prune-time
</dvmrp-prune-time>
<dvmrp-prune-lifetime>
  dvmrp-prune-lifetime
</dvmrp-prune-lifetime>
<dvmrp-prune>....</dvmrp-prune>
</dvmrp-group>
</dvmrp-prefix-entry>
</dvmrp-instance>
</dvmrp-prefix-information>

```

## Description

### <dvmrp-group>

#### Usage

```

<dvmrp-prunes-information>
<dvmrp-instance>
<dvmrp-prefix-entry>
<dvmrp-group>
  <multicast-group-address>
    multicast-group-address
  </multicast-group-address>
  <dvmrp-prunes-sent>
    dvmrp-prunes-sent
  </dvmrp-prunes-sent>
  <dvmrp-grafts-sent>
    dvmrp-grafts-sent
  </dvmrp-grafts-sent>
  <dvmrp-cache-lifetime>
    dvmrp-cache-lifetime
  </dvmrp-cache-lifetime>
  <dvmrp-prune-time>
    dvmrp-prune-time
  </dvmrp-prune-time>
  <dvmrp-prune-lifetime>
    dvmrp-prune-lifetime
  </dvmrp-prune-lifetime>
  <dvmrp-prune>....</dvmrp-prune>
</dvmrp-group>
</dvmrp-prefix-entry>
</dvmrp-instance>
</dvmrp-prunes-information>

```

**Description****<dvmrp-instance>****Usage**

```
<dvmrp-interfaces-information>
  <dvmrp-instance>
    <instance-name>
      instance-name
    </instance-name>
    <dvmrp-interface>....</dvmrp-interface>
    <dvmrp-graft>....</dvmrp-graft>
    <dvmrp-neighbor>....</dvmrp-neighbor>
    <dvmrp-prefix-entry>....</dvmrp-prefix-entry>
    <dvmrp-prune>....</dvmrp-prune>
  </dvmrp-instance>
</dvmrp-interfaces-information>
```

**Description****<dvmrp-instance>****Usage**

```
<dvmrp-graft-queue-information>
  <dvmrp-instance>
    <instance-name>
      instance-name
    </instance-name>
    <dvmrp-interface>....</dvmrp-interface>
    <dvmrp-graft>....</dvmrp-graft>
    <dvmrp-neighbor>....</dvmrp-neighbor>
    <dvmrp-prefix-entry>....</dvmrp-prefix-entry>
    <dvmrp-prune>....</dvmrp-prune>
  </dvmrp-instance>
</dvmrp-graft-queue-information>
```

**Description****<dvmrp-instance>****Usage**

```
<dvmrp-neighbors-information>
  <dvmrp-instance>
    <instance-name>
      instance-name
    </instance-name>
    <dvmrp-interface>....</dvmrp-interface>
    <dvmrp-graft>....</dvmrp-graft>
    <dvmrp-neighbor>....</dvmrp-neighbor>
    <dvmrp-prefix-entry>....</dvmrp-prefix-entry>
    <dvmrp-prune>....</dvmrp-prune>
  </dvmrp-instance>
</dvmrp-neighbors-information>
```

## Description

## &lt;dvmrp-instance&gt;

## Usage

```

<dvmrp-prefix-information>
  <dvmrp-instance>
    <instance-name>
      instance-name
    </instance-name>
    <dvmrp-interface>....</dvmrp-interface>
    <dvmrp-graft>....</dvmrp-graft>
    <dvmrp-neighbor>....</dvmrp-neighbor>
    <dvmrp-prefix-entry>....</dvmrp-prefix-entry>
    <dvmrp-prune>....</dvmrp-prune>
  </dvmrp-instance>
</dvmrp-prefix-information>

```

## Description

## &lt;dvmrp-instance&gt;

## Usage

```

<dvmrp-prunes-information>
  <dvmrp-instance>
    <instance-name>
      instance-name
    </instance-name>
    <dvmrp-interface>....</dvmrp-interface>
    <dvmrp-graft>....</dvmrp-graft>
    <dvmrp-neighbor>....</dvmrp-neighbor>
    <dvmrp-prefix-entry>....</dvmrp-prefix-entry>
    <dvmrp-prune>....</dvmrp-prune>
  </dvmrp-instance>
</dvmrp-prunes-information>

```

## Description

## &lt;dvmrp-interface&gt;

## Usage

```

<dvmrp-interfaces-information>
  <dvmrp-instance>
    <dvmrp-interface>
      <interface-name>
        interface-name
      </interface-name>
      <dvmrp-interface-state>
        dvmrp-interface-state
      </dvmrp-interface-state>
      <dvmrp-interface-leaf>
        dvmrp-interface-leaf
      </dvmrp-interface-leaf>
      <dvmrp-interface-metric>

```

```
    dvmrp-interface-metric
  </dvmrp-interface-metric>
  <dvmrp-interface-announcements>
    dvmrp-interface-announcements
  </dvmrp-interface-announcements>
  <dvmrp-interface-mode>
    dvmrp-interface-mode
  </dvmrp-interface-mode>
  <dvmrp-interface-holdtime>
    dvmrp-interface-holdtime
  </dvmrp-interface-holdtime>
</dvmrp-interface>
</dvmrp-instance>
</dvmrp-interfaces-information>
```

#### Description

### <dvmrp-interface>

#### Usage

```
<dvmrp-graft-queue-information>
<dvmrp-instance>
  <dvmrp-interface>
    <interface-name>
      interface-name
    </interface-name>
    <dvmrp-interface-state>
      dvmrp-interface-state
    </dvmrp-interface-state>
    <dvmrp-interface-leaf>
      dvmrp-interface-leaf
    </dvmrp-interface-leaf>
    <dvmrp-interface-metric>
      dvmrp-interface-metric
    </dvmrp-interface-metric>
    <dvmrp-interface-announcements>
      dvmrp-interface-announcements
    </dvmrp-interface-announcements>
    <dvmrp-interface-mode>
      dvmrp-interface-mode
    </dvmrp-interface-mode>
    <dvmrp-interface-holdtime>
      dvmrp-interface-holdtime
    </dvmrp-interface-holdtime>
  </dvmrp-interface>
</dvmrp-instance>
</dvmrp-graft-queue-information>
```

#### Description

### <dvmrp-interface>

#### Usage

```
<dvmrp-neighbors-information>
```



```

<dvmrp-instance>
  <dvmrp-interface>
    <interface-name>
      interface-name
    </interface-name>
    <dvmrp-interface-state>
      dvmrp-interface-state
    </dvmrp-interface-state>
    <dvmrp-interface-leaf>
      dvmrp-interface-leaf
    </dvmrp-interface-leaf>
    <dvmrp-interface-metric>
      dvmrp-interface-metric
    </dvmrp-interface-metric>
    <dvmrp-interface-announcements>
      dvmrp-interface-announcements
    </dvmrp-interface-announcements>
    <dvmrp-interface-mode>
      dvmrp-interface-mode
    </dvmrp-interface-mode>
    <dvmrp-interface-holdtime>
      dvmrp-interface-holdtime
    </dvmrp-interface-holdtime>
  </dvmrp-interface>
</dvmrp-instance>
</dvmrp-neighbors-information>

```

## Description

### <dvmrp-interface>

#### Usage

```

<dvmrp-prefix-information>
  <dvmrp-instance>
    <dvmrp-interface>
      <interface-name>
        interface-name
      </interface-name>
      <dvmrp-interface-state>
        dvmrp-interface-state
      </dvmrp-interface-state>
      <dvmrp-interface-leaf>
        dvmrp-interface-leaf
      </dvmrp-interface-leaf>
      <dvmrp-interface-metric>
        dvmrp-interface-metric
      </dvmrp-interface-metric>
      <dvmrp-interface-announcements>
        dvmrp-interface-announcements
      </dvmrp-interface-announcements>
      <dvmrp-interface-mode>
        dvmrp-interface-mode
      </dvmrp-interface-mode>
      <dvmrp-interface-holdtime>
        dvmrp-interface-holdtime

```

```
</dvmrp-interface-holdtime>
</dvmrp-interface>
</dvmrp-instance>
</dvmrp-prefix-information>
```

#### Description

### <dvmrp-interface>

#### Usage

```
<dvmrp-prunes-information>
<dvmrp-instance>
<dvmrp-interface>
<interface-name>
  interface-name
</interface-name>
<dvmrp-interface-state>
  dvmrp-interface-state
</dvmrp-interface-state>
<dvmrp-interface-leaf>
  dvmrp-interface-leaf
</dvmrp-interface-leaf>
<dvmrp-interface-metric>
  dvmrp-interface-metric
</dvmrp-interface-metric>
<dvmrp-interface-announcements>
  dvmrp-interface-announcements
</dvmrp-interface-announcements>
<dvmrp-interface-mode>
  dvmrp-interface-mode
</dvmrp-interface-mode>
<dvmrp-interface-holdtime>
  dvmrp-interface-holdtime
</dvmrp-interface-holdtime>
</dvmrp-interface>
</dvmrp-instance>
</dvmrp-prunes-information>
```

#### Description

### <dvmrp-interfaces-information>

#### Usage

```
<dvmrp-interfaces-information>
<dvmrp-instance>....</dvmrp-instance>
</dvmrp-interfaces-information>
```

#### Description

### <dvmrp-neighbor>

#### Usage

```
<dvmrp-interfaces-information>
```

```

<dvmrp-instance>
  <dvmrp-neighbor>
    <dvmrp-neighbor-address>
      dvmrp-neighbor-address
    </dvmrp-neighbor-address>
    <interface-name>
      interface-name
    </interface-name>
    <dvmrp-major-version>
      dvmrp-major-version
    </dvmrp-major-version>
    <dvmrp-minor-version>
      dvmrp-minor-version
    </dvmrp-minor-version>
    <dvmrp-capability-flags>....</dvmrp-capability-flags>
    <dvmrp-neighbor-routes>
      dvmrp-neighbor-routes
    </dvmrp-neighbor-routes>
    <dvmrp-neighbor-timeout>
      dvmrp-neighbor-timeout
    </dvmrp-neighbor-timeout>
    <dvmrp-neighbor-transitions>
      dvmrp-neighbor-transitions
    </dvmrp-neighbor-transitions>
  </dvmrp-neighbor>
</dvmrp-instance>
</dvmrp-interfaces-information>

```

## Description

### <dvmrp-neighbor>

#### Usage

```

<dvmrp-graft-queue-information>
  <dvmrp-instance>
    <dvmrp-neighbor>
      <dvmrp-neighbor-address>
        dvmrp-neighbor-address
      </dvmrp-neighbor-address>
      <interface-name>
        interface-name
      </interface-name>
      <dvmrp-major-version>
        dvmrp-major-version
      </dvmrp-major-version>
      <dvmrp-minor-version>
        dvmrp-minor-version
      </dvmrp-minor-version>
      <dvmrp-capability-flags>....</dvmrp-capability-flags>
      <dvmrp-neighbor-routes>
        dvmrp-neighbor-routes
      </dvmrp-neighbor-routes>
      <dvmrp-neighbor-timeout>
        dvmrp-neighbor-timeout
      </dvmrp-neighbor-timeout>
    </dvmrp-neighbor>
  </dvmrp-instance>
</dvmrp-graft-queue-information>

```

```
<dvmrp-neighbor-transitions>
  dvmrp-neighbor-transitions
</dvmrp-neighbor-transitions>
</dvmrp-neighbor>
</dvmrp-instance>
</dvmrp-graft-queue-information>
```

#### Description

### <dvmrp-neighbor>

#### Usage

```
<dvmrp-neighbors-information>
<dvmrp-instance>
  <dvmrp-neighbor>
    <dvmrp-neighbor-address>
      dvmrp-neighbor-address
    </dvmrp-neighbor-address>
    <interface-name>
      interface-name
    </interface-name>
    <dvmrp-major-version>
      dvmrp-major-version
    </dvmrp-major-version>
    <dvmrp-minor-version>
      dvmrp-minor-version
    </dvmrp-minor-version>
    <dvmrp-capability-flags>....</dvmrp-capability-flags>
    <dvmrp-neighbor-routes>
      dvmrp-neighbor-routes
    </dvmrp-neighbor-routes>
    <dvmrp-neighbor-timeout>
      dvmrp-neighbor-timeout
    </dvmrp-neighbor-timeout>
    <dvmrp-neighbor-transitions>
      dvmrp-neighbor-transitions
    </dvmrp-neighbor-transitions>
  </dvmrp-neighbor>
</dvmrp-instance>
</dvmrp-neighbors-information>
```

#### Description

### <dvmrp-neighbor>

#### Usage

```
<dvmrp-prefix-information>
<dvmrp-instance>
  <dvmrp-neighbor>
    <dvmrp-neighbor-address>
      dvmrp-neighbor-address
    </dvmrp-neighbor-address>
    <interface-name>
      interface-name
```

```

</interface-name>
<dvmrp-major-version>
  dvmrp-major-version
</dvmrp-major-version>
<dvmrp-minor-version>
  dvmrp-minor-version
</dvmrp-minor-version>
<dvmrp-capability-flags>....</dvmrp-capability-flags>
<dvmrp-neighbor-routes>
  dvmrp-neighbor-routes
</dvmrp-neighbor-routes>
<dvmrp-neighbor-timeout>
  dvmrp-neighbor-timeout
</dvmrp-neighbor-timeout>
<dvmrp-neighbor-transitions>
  dvmrp-neighbor-transitions
</dvmrp-neighbor-transitions>
</dvmrp-neighbor>
</dvmrp-instance>
</dvmrp-prefix-information>

```

## Description

### <dvmrp-neighbor>

#### Usage

```

<dvmrp-prunes-information>
<dvmrp-instance>
  <dvmrp-neighbor>
    <dvmrp-neighbor-address>
      dvmrp-neighbor-address
    </dvmrp-neighbor-address>
    <interface-name>
      interface-name
    </interface-name>
    <dvmrp-major-version>
      dvmrp-major-version
    </dvmrp-major-version>
    <dvmrp-minor-version>
      dvmrp-minor-version
    </dvmrp-minor-version>
    <dvmrp-capability-flags>....</dvmrp-capability-flags>
    <dvmrp-neighbor-routes>
      dvmrp-neighbor-routes
    </dvmrp-neighbor-routes>
    <dvmrp-neighbor-timeout>
      dvmrp-neighbor-timeout
    </dvmrp-neighbor-timeout>
    <dvmrp-neighbor-transitions>
      dvmrp-neighbor-transitions
    </dvmrp-neighbor-transitions>
  </dvmrp-neighbor>
</dvmrp-instance>
</dvmrp-prunes-information>

```

**Description****<dvmrp-neighbors-information>****Usage**

```
<dvmrp-neighbors-information>  
  <dvmrp-instance>....</dvmrp-instance>  
</dvmrp-neighbors-information>
```

**Description****<dvmrp-prefix-entry>****Usage**

```
<dvmrp-interfaces-information>  
  <dvmrp-instance>  
    <dvmrp-prefix-entry>  
      <dvmrp-prefix>  
        dvmrp-prefix  
      </dvmrp-prefix>  
      <dvmrp-prefix-length>  
        dvmrp-prefix-length  
      </dvmrp-prefix-length>  
      <dvmrp-next-hop>  
        dvmrp-next-hop  
      </dvmrp-next-hop>  
      <dvmrp-prefix-age>  
        dvmrp-prefix-age  
      </dvmrp-prefix-age>  
      <dvmrp-group>....</dvmrp-group>  
    </dvmrp-prefix-entry>  
  </dvmrp-instance>  
</dvmrp-interfaces-information>
```

**Description****<dvmrp-prefix-entry>****Usage**

```
<dvmrp-graft-queue-information>  
  <dvmrp-instance>  
    <dvmrp-prefix-entry>  
      <dvmrp-prefix>  
        dvmrp-prefix  
      </dvmrp-prefix>  
      <dvmrp-prefix-length>  
        dvmrp-prefix-length  
      </dvmrp-prefix-length>  
      <dvmrp-next-hop>  
        dvmrp-next-hop  
      </dvmrp-next-hop>  
      <dvmrp-prefix-age>  
        dvmrp-prefix-age  
      </dvmrp-prefix-age>
```

```

        <dvmrp-group>....</dvmrp-group>
    </dvmrp-prefix-entry>
</dvmrp-instance>
</dvmrp-graft-queue-information>

```

#### Description

### <dvmrp-prefix-entry>

#### Usage

```

<dvmrp-neighbors-information>
<dvmrp-instance>
  <dvmrp-prefix-entry>
    <dvmrp-prefix>
      dvmrp-prefix
    </dvmrp-prefix>
    <dvmrp-prefix-length>
      dvmrp-prefix-length
    </dvmrp-prefix-length>
    <dvmrp-next-hop>
      dvmrp-next-hop
    </dvmrp-next-hop>
    <dvmrp-prefix-age>
      dvmrp-prefix-age
    </dvmrp-prefix-age>
    <dvmrp-group>....</dvmrp-group>
  </dvmrp-prefix-entry>
</dvmrp-instance>
</dvmrp-neighbors-information>

```

#### Description

### <dvmrp-prefix-entry>

#### Usage

```

<dvmrp-prefix-information>
<dvmrp-instance>
  <dvmrp-prefix-entry>
    <dvmrp-prefix>
      dvmrp-prefix
    </dvmrp-prefix>
    <dvmrp-prefix-length>
      dvmrp-prefix-length
    </dvmrp-prefix-length>
    <dvmrp-next-hop>
      dvmrp-next-hop
    </dvmrp-next-hop>
    <dvmrp-prefix-age>
      dvmrp-prefix-age
    </dvmrp-prefix-age>
    <dvmrp-group>....</dvmrp-group>
  </dvmrp-prefix-entry>
</dvmrp-instance>

```

</dvmrp-prefix-information>

#### Description

### <dvmrp-prefix-entry>

#### Usage

```
<dvmrp-prunes-information>
<dvmrp-instance>
  <dvmrp-prefix-entry>
    <dvmrp-prefix>
      dvmrp-prefix
    </dvmrp-prefix>
    <dvmrp-prefix-length>
      dvmrp-prefix-length
    </dvmrp-prefix-length>
    <dvmrp-next-hop>
      dvmrp-next-hop
    </dvmrp-next-hop>
    <dvmrp-prefix-age>
      dvmrp-prefix-age
    </dvmrp-prefix-age>
    <dvmrp-group>....</dvmrp-group>
  </dvmrp-prefix-entry>
</dvmrp-instance>
</dvmrp-prunes-information>
```

#### Description

### <dvmrp-prefix-information>

#### Usage

```
<dvmrp-prefix-information>
  <dvmrp-instance>....</dvmrp-instance>
</dvmrp-prefix-information>
```

#### Description

### <dvmrp-prune>

#### Usage

```
<dvmrp-interfaces-information>
<dvmrp-instance>
  <dvmrp-prefix-entry>
    <dvmrp-group>
      <dvmrp-prune>
        <dvmrp-neighbor-address>
          dvmrp-neighbor-address
        </dvmrp-neighbor-address>
        <multicast-group-address>
          multicast-group-address
        </multicast-group-address>
        <multicast-source-address>
```



```

        multicast-source-address
      </multicast-source-address>
      <multicast-source-prefix-length>
        multicast-source-prefix-length
      </multicast-source-prefix-length>
      <dvmrp-prune-timeout>
        dvmrp-prune-timeout
      </dvmrp-prune-timeout>
    </dvmrp-prune>
  </dvmrp-group>
</dvmrp-prefix-entry>
</dvmrp-instance>
</dvmrp-interfaces-information>

```

#### Description

#### <dvmrp-prune>

#### Usage

```

<dvmrp-interfaces-information>
<dvmrp-instance>
  <dvmrp-prune>
    <dvmrp-neighbor-address>
      dvmrp-neighbor-address
    </dvmrp-neighbor-address>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <multicast-source-prefix-length>
      multicast-source-prefix-length
    </multicast-source-prefix-length>
    <dvmrp-prune-timeout>
      dvmrp-prune-timeout
    </dvmrp-prune-timeout>
  </dvmrp-prune>
</dvmrp-instance>
</dvmrp-interfaces-information>

```

#### Description

#### <dvmrp-prune>

#### Usage

```

<dvmrp-graft-queue-information>
<dvmrp-instance>
  <dvmrp-prefix-entry>
    <dvmrp-group>
      <dvmrp-prune>
        <dvmrp-neighbor-address>
          dvmrp-neighbor-address
        </dvmrp-neighbor-address>

```

```
<multicast-group-address>
  multicast-group-address
</multicast-group-address>
<multicast-source-address>
  multicast-source-address
</multicast-source-address>
<multicast-source-prefix-length>
  multicast-source-prefix-length
</multicast-source-prefix-length>
<dvmrp-prune-timeout>
  dvmrp-prune-timeout
</dvmrp-prune-timeout>
</dvmrp-prune>
</dvmrp-group>
</dvmrp-prefix-entry>
</dvmrp-instance>
</dvmrp-graft-queue-information>
```

#### Description

### <dvmrp-prune>

#### Usage

```
<dvmrp-graft-queue-information>
<dvmrp-instance>
<dvmrp-prune>
  <dvmrp-neighbor-address>
    dvmrp-neighbor-address
  </dvmrp-neighbor-address>
  <multicast-group-address>
    multicast-group-address
  </multicast-group-address>
  <multicast-source-address>
    multicast-source-address
  </multicast-source-address>
  <multicast-source-prefix-length>
    multicast-source-prefix-length
  </multicast-source-prefix-length>
  <dvmrp-prune-timeout>
    dvmrp-prune-timeout
  </dvmrp-prune-timeout>
</dvmrp-prune>
</dvmrp-instance>
</dvmrp-graft-queue-information>
```

#### Description

### <dvmrp-prune>

#### Usage

```
<dvmrp-neighbors-information>
<dvmrp-instance>
  <dvmrp-prefix-entry>
    <dvmrp-group>
```

```

<dvmrp-prune>
  <dvmrp-neighbor-address>
    dvmrp-neighbor-address
  </dvmrp-neighbor-address>
  <multicast-group-address>
    multicast-group-address
  </multicast-group-address>
  <multicast-source-address>
    multicast-source-address
  </multicast-source-address>
  <multicast-source-prefix-length>
    multicast-source-prefix-length
  </multicast-source-prefix-length>
  <dvmrp-prune-timeout>
    dvmrp-prune-timeout
  </dvmrp-prune-timeout>
</dvmrp-prune>
</dvmrp-group>
</dvmrp-prefix-entry>
</dvmrp-instance>
</dvmrp-neighbors-information>

```

#### Description

#### <dvmrp-prune>

#### Usage

```

<dvmrp-neighbors-information>
  <dvmrp-instance>
    <dvmrp-prune>
      <dvmrp-neighbor-address>
        dvmrp-neighbor-address
      </dvmrp-neighbor-address>
      <multicast-group-address>
        multicast-group-address
      </multicast-group-address>
      <multicast-source-address>
        multicast-source-address
      </multicast-source-address>
      <multicast-source-prefix-length>
        multicast-source-prefix-length
      </multicast-source-prefix-length>
      <dvmrp-prune-timeout>
        dvmrp-prune-timeout
      </dvmrp-prune-timeout>
    </dvmrp-prune>
  </dvmrp-instance>
</dvmrp-neighbors-information>

```

#### Description

## <dvmrp-prune>

### Usage

```
<dvmrp-prefix-information>
<dvmrp-instance>
<dvmrp-prefix-entry>
<dvmrp-group>
<dvmrp-prune>
  <dvmrp-neighbor-address>
    dvmrp-neighbor-address
  </dvmrp-neighbor-address>
  <multicast-group-address>
    multicast-group-address
  </multicast-group-address>
  <multicast-source-address>
    multicast-source-address
  </multicast-source-address>
  <multicast-source-prefix-length>
    multicast-source-prefix-length
  </multicast-source-prefix-length>
  <dvmrp-prune-timeout>
    dvmrp-prune-timeout
  </dvmrp-prune-timeout>
</dvmrp-prune>
</dvmrp-group>
</dvmrp-prefix-entry>
</dvmrp-instance>
</dvmrp-prefix-information>
```

### Description

## <dvmrp-prune>

### Usage

```
<dvmrp-prefix-information>
<dvmrp-instance>
<dvmrp-prune>
  <dvmrp-neighbor-address>
    dvmrp-neighbor-address
  </dvmrp-neighbor-address>
  <multicast-group-address>
    multicast-group-address
  </multicast-group-address>
  <multicast-source-address>
    multicast-source-address
  </multicast-source-address>
  <multicast-source-prefix-length>
    multicast-source-prefix-length
  </multicast-source-prefix-length>
  <dvmrp-prune-timeout>
    dvmrp-prune-timeout
  </dvmrp-prune-timeout>
</dvmrp-prune>
</dvmrp-instance>
```

```
</dvmrp-prefix-information>
```

## Description

**<dvmrp-prune>**

## Usage

```
<dvmrp-prunes-information>
<dvmrp-instance>
<dvmrp-prefix-entry>
<dvmrp-group>
<dvmrp-prune>
<dvmrp-neighbor-address>
  dvmrp-neighbor-address
</dvmrp-neighbor-address>
<multicast-group-address>
  multicast-group-address
</multicast-group-address>
<multicast-source-address>
  multicast-source-address
</multicast-source-address>
<multicast-source-prefix-length>
  multicast-source-prefix-length
</multicast-source-prefix-length>
<dvmrp-prune-timeout>
  dvmrp-prune-timeout
</dvmrp-prune-timeout>
</dvmrp-prune>
</dvmrp-group>
</dvmrp-prefix-entry>
</dvmrp-instance>
</dvmrp-prunes-information>
```

## Description

**<dvmrp-prune>**

## Usage

```
<dvmrp-prunes-information>
<dvmrp-instance>
<dvmrp-prune>
<dvmrp-neighbor-address>
  dvmrp-neighbor-address
</dvmrp-neighbor-address>
<multicast-group-address>
  multicast-group-address
</multicast-group-address>
<multicast-source-address>
  multicast-source-address
</multicast-source-address>
<multicast-source-prefix-length>
  multicast-source-prefix-length
</multicast-source-prefix-length>
<dvmrp-prune-timeout>
```

```
        dvmrp-prune-timeout
      </dvmrp-prune-timeout>
    </dvmrp-prune>
  </dvmrp-instance>
</dvmrp-prunes-information>
```

#### Description

### <dvmrp-prunes-information>

#### Usage

```
<dvmrp-prunes-information>
  <dvmrp-instance>....</dvmrp-instance>
</dvmrp-prunes-information>
```

#### Description

### <dynamic-tunnel>

#### Usage

```
<dynamic-tunnel>
  <tunnel-destination>
    tunnel-destination
  </tunnel-destination>
  <tunnel-state>
    tunnel-state
  </tunnel-state>
  <tunnel-expiry>
    tunnel-expiry
  </tunnel-expiry>
  <tunnel-reference-count>
    tunnel-reference-count
  </tunnel-reference-count>
  <tunnel-nexthop>....</tunnel-nexthop>
</dynamic-tunnel>
```

#### Description

### <dynamic-tunnel>

#### Usage

```
<destination-network>
  <dynamic-tunnel>
    <tunnel-destination>
      tunnel-destination
    </tunnel-destination>
    <tunnel-state>
      tunnel-state
    </tunnel-state>
    <tunnel-expiry>
      tunnel-expiry
    </tunnel-expiry>
    <tunnel-reference-count>
```

```

        tunnel-reference-count
      </tunnel-reference-count>
      <tunnel-nexthop>....</tunnel-nexthop>
    </dynamic-tunnel>
  </destination-network>

```

#### Description

### <dynamic-tunnel>

#### Usage

```

<dynamic-tunnel-table>
  <destination-network>
    <dynamic-tunnel>
      <tunnel-destination>
        tunnel-destination
      </tunnel-destination>
      <tunnel-state>
        tunnel-state
      </tunnel-state>
      <tunnel-expiry>
        tunnel-expiry
      </tunnel-expiry>
      <tunnel-reference-count>
        tunnel-reference-count
      </tunnel-reference-count>
      <tunnel-nexthop>....</tunnel-nexthop>
    </dynamic-tunnel>
  </destination-network>
</dynamic-tunnel-table>

```

#### Description

### <dynamic-tunnel>

#### Usage

```

<dynamic-tunnels-information>
  <dynamic-tunnel-table>
    <destination-network>
      <dynamic-tunnel>
        <tunnel-destination>
          tunnel-destination
        </tunnel-destination>
        <tunnel-state>
          tunnel-state
        </tunnel-state>
        <tunnel-expiry>
          tunnel-expiry
        </tunnel-expiry>
        <tunnel-reference-count>
          tunnel-reference-count
        </tunnel-reference-count>
        <tunnel-nexthop>....</tunnel-nexthop>
      </dynamic-tunnel>
    </destination-network>
  </dynamic-tunnel-table>

```

```
</destination-network>
</dynamic-tunnel-table>
</dynamic-tunnels-information>
```

#### Description

### <dynamic-tunnel-table>

#### Usage

```
<dynamic-tunnel-table>
  <table-name>
    table-name
  </table-name>
  <destination-network>....</destination-network>
</dynamic-tunnel-table>
```

#### Description

### <dynamic-tunnel-table>

#### Usage

```
<dynamic-tunnels-information>
  <dynamic-tunnel-table>
    <table-name>
      table-name
    </table-name>
    <destination-network>....</destination-network>
  </dynamic-tunnel-table>
</dynamic-tunnels-information>
```

#### Description

### <dynamic-tunnels-information>

#### Usage

```
<dynamic-tunnels-information>
  <dynamic-tunnel-table>....</dynamic-tunnel-table>
</dynamic-tunnels-information>
```

#### Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<connection>
  <egress-protection-protected-l2ckt>
    <protected-l2ckt-state>
      protected-l2ckt-state
    </protected-l2ckt-state>
    <protected-l2ckt-ingress>
      protected-l2ckt-ingress
    </protected-l2ckt-ingress>
```



```

    <protected-l2ckt-egress>
      protected-l2ckt-egress
    </protected-l2ckt-egress>
    <protected-l2ckt-vcid>
      protected-l2ckt-vcid
    </protected-l2ckt-vcid>
  </egress-protection-protected-l2ckt>
</connection>

```

## Description

### <egress-protection-protected-l2ckt>

#### Usage

```

<mesh-group-connection>
  <connection>
    <egress-protection-protected-l2ckt>
      <protected-l2ckt-state>
        protected-l2ckt-state
      </protected-l2ckt-state>
      <protected-l2ckt-ingress>
        protected-l2ckt-ingress
      </protected-l2ckt-ingress>
      <protected-l2ckt-egress>
        protected-l2ckt-egress
      </protected-l2ckt-egress>
      <protected-l2ckt-vcid>
        protected-l2ckt-vcid
      </protected-l2ckt-vcid>
    </egress-protection-protected-l2ckt>
  </connection>
</mesh-group-connection>

```

## Description

### <egress-protection-protected-l2ckt>

#### Usage

```

<instance>
  <reference-site>
    <connection>
      <egress-protection-protected-l2ckt>
        <protected-l2ckt-state>
          protected-l2ckt-state
        </protected-l2ckt-state>
        <protected-l2ckt-ingress>
          protected-l2ckt-ingress
        </protected-l2ckt-ingress>
        <protected-l2ckt-egress>
          protected-l2ckt-egress
        </protected-l2ckt-egress>
        <protected-l2ckt-vcid>
          protected-l2ckt-vcid
        </protected-l2ckt-vcid>
      </egress-protection-protected-l2ckt>
    </connection>
  </reference-site>
</instance>

```

```
</egress-protection-protected-l2ckt>
</connection>
</reference-site>
</instance>
```

#### Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<instance>
<reference-site>
<mesh-group-connection>
<connection>
  <egress-protection-protected-l2ckt>
    <protected-l2ckt-state>
      protected-l2ckt-state
    </protected-l2ckt-state>
    <protected-l2ckt-ingress>
      protected-l2ckt-ingress
    </protected-l2ckt-ingress>
    <protected-l2ckt-egress>
      protected-l2ckt-egress
    </protected-l2ckt-egress>
    <protected-l2ckt-vcid>
      protected-l2ckt-vcid
    </protected-l2ckt-vcid>
  </egress-protection-protected-l2ckt>
</connection>
</mesh-group-connection>
</reference-site>
</instance>
```

#### Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<instance>
<ldp-vpls-reference-site>
<connection>
  <egress-protection-protected-l2ckt>
    <protected-l2ckt-state>
      protected-l2ckt-state
    </protected-l2ckt-state>
    <protected-l2ckt-ingress>
      protected-l2ckt-ingress
    </protected-l2ckt-ingress>
    <protected-l2ckt-egress>
      protected-l2ckt-egress
    </protected-l2ckt-egress>
    <protected-l2ckt-vcid>
      protected-l2ckt-vcid
    </protected-l2ckt-vcid>
  </egress-protection-protected-l2ckt>
</connection>
</ldp-vpls-reference-site>
</instance>
```

```

    </egress-protection-protected-l2ckt>
  </connection>
</ldp-vpls-reference-site>
</instance>

```

## Description

### <egress-protection-protected-l2ckt>

#### Usage

```

<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <egress-protection-protected-l2ckt>
          <protected-l2ckt-state>
            protected-l2ckt-state
          </protected-l2ckt-state>
          <protected-l2ckt-ingress>
            protected-l2ckt-ingress
          </protected-l2ckt-ingress>
          <protected-l2ckt-egress>
            protected-l2ckt-egress
          </protected-l2ckt-egress>
          <protected-l2ckt-vcid>
            protected-l2ckt-vcid
          </protected-l2ckt-vcid>
        </egress-protection-protected-l2ckt>
      </connection>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>

```

## Description

### <egress-protection-protected-l2ckt>

#### Usage

```

<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <egress-protection-protected-l2ckt>
          <protected-l2ckt-state>
            protected-l2ckt-state
          </protected-l2ckt-state>
          <protected-l2ckt-ingress>
            protected-l2ckt-ingress
          </protected-l2ckt-ingress>
          <protected-l2ckt-egress>
            protected-l2ckt-egress
          </protected-l2ckt-egress>
          <protected-l2ckt-vcid>
            protected-l2ckt-vcid

```

```
        </protected-l2ckt-vcid>
      </egress-protection-protected-l2ckt>
    </connection>
  </mesh-group-connection>
</vpls-protocol-state>
</instance>
```

#### Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <egress-protection-protected-l2ckt>
          <protected-l2ckt-state>
            protected-l2ckt-state
          </protected-l2ckt-state>
          <protected-l2ckt-ingress>
            protected-l2ckt-ingress
          </protected-l2ckt-ingress>
          <protected-l2ckt-egress>
            protected-l2ckt-egress
          </protected-l2ckt-egress>
          <protected-l2ckt-vcid>
            protected-l2ckt-vcid
          </protected-l2ckt-vcid>
        </egress-protection-protected-l2ckt>
      </connection>
    </reference-site>
  </vpls-protocol-state>
</instance>
```

#### Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<instance>
  <vpls-protocol-state>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <egress-protection-protected-l2ckt>
            <protected-l2ckt-state>
              protected-l2ckt-state
            </protected-l2ckt-state>
            <protected-l2ckt-ingress>
              protected-l2ckt-ingress
            </protected-l2ckt-ingress>
            <protected-l2ckt-egress>
              protected-l2ckt-egress
            </protected-l2ckt-egress>
          </egress-protection-protected-l2ckt>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </vpls-protocol-state>
</instance>
```

```

        </protected-l2ckt-egress>
        <protected-l2ckt-vcid>
            protected-l2ckt-vcid
        </protected-l2ckt-vcid>
    </egress-protection-protected-l2ckt>
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>

```

## Description

### <egress-protection-protected-l2ckt>

#### Usage

```

<l2vpn-connection-information>
<instance>
<reference-site>
<connection>
    <egress-protection-protected-l2ckt>
        <protected-l2ckt-state>
            protected-l2ckt-state
        </protected-l2ckt-state>
        <protected-l2ckt-ingress>
            protected-l2ckt-ingress
        </protected-l2ckt-ingress>
        <protected-l2ckt-egress>
            protected-l2ckt-egress
        </protected-l2ckt-egress>
        <protected-l2ckt-vcid>
            protected-l2ckt-vcid
        </protected-l2ckt-vcid>
    </egress-protection-protected-l2ckt>
</connection>
</reference-site>
</instance>
</l2vpn-connection-information>

```

## Description

### <egress-protection-protected-l2ckt>

#### Usage

```

<l2vpn-connection-information>
<instance>
<reference-site>
<mesh-group-connection>
<connection>
    <egress-protection-protected-l2ckt>
        <protected-l2ckt-state>
            protected-l2ckt-state
        </protected-l2ckt-state>
        <protected-l2ckt-ingress>

```

```
        protected-l2ckt-ingress
      </protected-l2ckt-ingress>
    <protected-l2ckt-egress>
      protected-l2ckt-egress
    </protected-l2ckt-egress>
    <protected-l2ckt-vcid>
      protected-l2ckt-vcid
    </protected-l2ckt-vcid>
  </egress-protection-protected-l2ckt>
</connection>
</mesh-group-connection>
</reference-site>
</instance>
</l2vpn-connection-information>
```

#### Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<l2vpn-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <egress-protection-protected-l2ckt>
        <protected-l2ckt-state>
          protected-l2ckt-state
        </protected-l2ckt-state>
        <protected-l2ckt-ingress>
          protected-l2ckt-ingress
        </protected-l2ckt-ingress>
        <protected-l2ckt-egress>
          protected-l2ckt-egress
        </protected-l2ckt-egress>
        <protected-l2ckt-vcid>
          protected-l2ckt-vcid
        </protected-l2ckt-vcid>
      </egress-protection-protected-l2ckt>
    </connection>
  </ldp-vpls-reference-site>
</instance>
</l2vpn-connection-information>
```

#### Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<l2vpn-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <egress-protection-protected-l2ckt>
```

```

    <protected-l2ckt-state>
      protected-l2ckt-state
    </protected-l2ckt-state>
    <protected-l2ckt-ingress>
      protected-l2ckt-ingress
    </protected-l2ckt-ingress>
    <protected-l2ckt-egress>
      protected-l2ckt-egress
    </protected-l2ckt-egress>
    <protected-l2ckt-vcid>
      protected-l2ckt-vcid
    </protected-l2ckt-vcid>
  </egress-protection-protected-l2ckt>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</l2vpn-connection-information>

```

#### Description

#### <egress-protection-protected-l2ckt>

##### Usage

```

<l2vpn-connection-information>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <egress-protection-protected-l2ckt>
          <protected-l2ckt-state>
            protected-l2ckt-state
          </protected-l2ckt-state>
          <protected-l2ckt-ingress>
            protected-l2ckt-ingress
          </protected-l2ckt-ingress>
          <protected-l2ckt-egress>
            protected-l2ckt-egress
          </protected-l2ckt-egress>
          <protected-l2ckt-vcid>
            protected-l2ckt-vcid
          </protected-l2ckt-vcid>
        </egress-protection-protected-l2ckt>
      </connection>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</l2vpn-connection-information>

```

#### Description

## <egress-protection-protected-l2ckt>

### Usage

```
<l2vpn-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <egress-protection-protected-l2ckt>
            <protected-l2ckt-state>
              protected-l2ckt-state
            </protected-l2ckt-state>
            <protected-l2ckt-ingress>
              protected-l2ckt-ingress
            </protected-l2ckt-ingress>
            <protected-l2ckt-egress>
              protected-l2ckt-egress
            </protected-l2ckt-egress>
            <protected-l2ckt-vcid>
              protected-l2ckt-vcid
            </protected-l2ckt-vcid>
          </egress-protection-protected-l2ckt>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</l2vpn-connection-information>
```

### Description

## <egress-protection-protected-l2ckt>

### Usage

```
<l2vpn-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <egress-protection-protected-l2ckt>
              <protected-l2ckt-state>
                protected-l2ckt-state
              </protected-l2ckt-state>
              <protected-l2ckt-ingress>
                protected-l2ckt-ingress
              </protected-l2ckt-ingress>
              <protected-l2ckt-egress>
                protected-l2ckt-egress
              </protected-l2ckt-egress>
              <protected-l2ckt-vcid>
                protected-l2ckt-vcid
              </protected-l2ckt-vcid>
            </egress-protection-protected-l2ckt>
          </connection>
        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</l2vpn-connection-information>
```



```

    </mesh-group-connection>
  </reference-site>
</vpls-protocol-state>
</instance>
</l2vpn-connection-information>

```

## Description

### <egress-protection-protected-l2ckt>

#### Usage

```

<vpls-connection-information>
  <instance>
    <reference-site>
      <connection>
        <egress-protection-protected-l2ckt>
          <protected-l2ckt-state>
            protected-l2ckt-state
          </protected-l2ckt-state>
          <protected-l2ckt-ingress>
            protected-l2ckt-ingress
          </protected-l2ckt-ingress>
          <protected-l2ckt-egress>
            protected-l2ckt-egress
          </protected-l2ckt-egress>
          <protected-l2ckt-vcid>
            protected-l2ckt-vcid
          </protected-l2ckt-vcid>
        </egress-protection-protected-l2ckt>
      </connection>
    </reference-site>
  </instance>
</vpls-connection-information>

```

## Description

### <egress-protection-protected-l2ckt>

#### Usage

```

<vpls-connection-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <egress-protection-protected-l2ckt>
            <protected-l2ckt-state>
              protected-l2ckt-state
            </protected-l2ckt-state>
            <protected-l2ckt-ingress>
              protected-l2ckt-ingress
            </protected-l2ckt-ingress>
            <protected-l2ckt-egress>
              protected-l2ckt-egress
            </protected-l2ckt-egress>
          </egress-protection-protected-l2ckt>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>
</vpls-connection-information>

```

```
<protected-l2ckt-vcid>
  protected-l2ckt-vcid
</protected-l2ckt-vcid>
</egress-protection-protected-l2ckt>
</connection>
</mesh-group-connection>
</reference-site>
</instance>
</vpls-connection-information>
```

## Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<vpls-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <egress-protection-protected-l2ckt>
          <protected-l2ckt-state>
            protected-l2ckt-state
          </protected-l2ckt-state>
          <protected-l2ckt-ingress>
            protected-l2ckt-ingress
          </protected-l2ckt-ingress>
          <protected-l2ckt-egress>
            protected-l2ckt-egress
          </protected-l2ckt-egress>
          <protected-l2ckt-vcid>
            protected-l2ckt-vcid
          </protected-l2ckt-vcid>
        </egress-protection-protected-l2ckt>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-connection-information>
```

## Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<vpls-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <egress-protection-protected-l2ckt>
            <protected-l2ckt-state>
              protected-l2ckt-state
            </protected-l2ckt-state>
            <protected-l2ckt-ingress>
              protected-l2ckt-ingress
            </protected-l2ckt-ingress>
          </egress-protection-protected-l2ckt>
        </connection>
      </mesh-group-connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-connection-information>
```

```

        </protected-l2ckt-ingress>
        <protected-l2ckt-egress>
            protected-l2ckt-egress
        </protected-l2ckt-egress>
        <protected-l2ckt-vcid>
            protected-l2ckt-vcid
        </protected-l2ckt-vcid>
    </egress-protection-protected-l2ckt>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</vpls-connection-information>

```

### Description

#### <egress-protection-protected-l2ckt>

##### Usage

```

<vpls-connection-information>
<instance>
    <vpls-protocol-state>
        <mesh-group-connection>
            <connection>
                <egress-protection-protected-l2ckt>
                    <protected-l2ckt-state>
                        protected-l2ckt-state
                    </protected-l2ckt-state>
                    <protected-l2ckt-ingress>
                        protected-l2ckt-ingress
                    </protected-l2ckt-ingress>
                    <protected-l2ckt-egress>
                        protected-l2ckt-egress
                    </protected-l2ckt-egress>
                    <protected-l2ckt-vcid>
                        protected-l2ckt-vcid
                    </protected-l2ckt-vcid>
                </egress-protection-protected-l2ckt>
            </connection>
        </mesh-group-connection>
    </vpls-protocol-state>
</instance>
</vpls-connection-information>

```

### Description

#### <egress-protection-protected-l2ckt>

##### Usage

```

<vpls-connection-information>
<instance>
    <vpls-protocol-state>
        <reference-site>
            <connection>

```

```
<egress-protection-protected-l2ckt>
  <protected-l2ckt-state>
    protected-l2ckt-state
  </protected-l2ckt-state>
  <protected-l2ckt-ingress>
    protected-l2ckt-ingress
  </protected-l2ckt-ingress>
  <protected-l2ckt-egress>
    protected-l2ckt-egress
  </protected-l2ckt-egress>
  <protected-l2ckt-vcid>
    protected-l2ckt-vcid
  </protected-l2ckt-vcid>
</egress-protection-protected-l2ckt>
</connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-connection-information>
```

#### Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <egress-protection-protected-l2ckt>
              <protected-l2ckt-state>
                protected-l2ckt-state
              </protected-l2ckt-state>
              <protected-l2ckt-ingress>
                protected-l2ckt-ingress
              </protected-l2ckt-ingress>
              <protected-l2ckt-egress>
                protected-l2ckt-egress
              </protected-l2ckt-egress>
              <protected-l2ckt-vcid>
                protected-l2ckt-vcid
              </protected-l2ckt-vcid>
            </egress-protection-protected-l2ckt>
          </connection>
        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-connection-information>
```

#### Description

## <egress-protection-protected-l2ckt>

### Usage

```

<vpls-statistics-information>
  <instance>
    <reference-site>
      <connection>
        <egress-protection-protected-l2ckt>
          <protected-l2ckt-state>
            protected-l2ckt-state
          </protected-l2ckt-state>
          <protected-l2ckt-ingress>
            protected-l2ckt-ingress
          </protected-l2ckt-ingress>
          <protected-l2ckt-egress>
            protected-l2ckt-egress
          </protected-l2ckt-egress>
          <protected-l2ckt-vcid>
            protected-l2ckt-vcid
          </protected-l2ckt-vcid>
        </egress-protection-protected-l2ckt>
      </connection>
    </reference-site>
  </instance>
</vpls-statistics-information>

```

### Description

## <egress-protection-protected-l2ckt>

### Usage

```

<vpls-statistics-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <egress-protection-protected-l2ckt>
            <protected-l2ckt-state>
              protected-l2ckt-state
            </protected-l2ckt-state>
            <protected-l2ckt-ingress>
              protected-l2ckt-ingress
            </protected-l2ckt-ingress>
            <protected-l2ckt-egress>
              protected-l2ckt-egress
            </protected-l2ckt-egress>
            <protected-l2ckt-vcid>
              protected-l2ckt-vcid
            </protected-l2ckt-vcid>
          </egress-protection-protected-l2ckt>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>

```

```
</vpls-statistics-information>
```

#### Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<vpls-statistics-information>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <egress-protection-protected-l2ckt>
          <protected-l2ckt-state>
            protected-l2ckt-state
          </protected-l2ckt-state>
          <protected-l2ckt-ingress>
            protected-l2ckt-ingress
          </protected-l2ckt-ingress>
          <protected-l2ckt-egress>
            protected-l2ckt-egress
          </protected-l2ckt-egress>
          <protected-l2ckt-vcid>
            protected-l2ckt-vcid
          </protected-l2ckt-vcid>
        </egress-protection-protected-l2ckt>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-statistics-information>
```

#### Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<vpls-statistics-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <egress-protection-protected-l2ckt>
            <protected-l2ckt-state>
              protected-l2ckt-state
            </protected-l2ckt-state>
            <protected-l2ckt-ingress>
              protected-l2ckt-ingress
            </protected-l2ckt-ingress>
            <protected-l2ckt-egress>
              protected-l2ckt-egress
            </protected-l2ckt-egress>
            <protected-l2ckt-vcid>
              protected-l2ckt-vcid
            </protected-l2ckt-vcid>
          </egress-protection-protected-l2ckt>
        </connection>
      </mesh-group-connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-statistics-information>
```

```

    </connection>
  </mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</vpls-statistics-information>

```

## Description

### <egress-protection-protected-l2ckt>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <egress-protection-protected-l2ckt>
            <protected-l2ckt-state>
              protected-l2ckt-state
            </protected-l2ckt-state>
            <protected-l2ckt-ingress>
              protected-l2ckt-ingress
            </protected-l2ckt-ingress>
            <protected-l2ckt-egress>
              protected-l2ckt-egress
            </protected-l2ckt-egress>
            <protected-l2ckt-vcid>
              protected-l2ckt-vcid
            </protected-l2ckt-vcid>
          </egress-protection-protected-l2ckt>
        </connection>
      </mesh-group-connection>
    </vpls-protocol-state>
  </instance>
</vpls-statistics-information>

```

## Description

### <egress-protection-protected-l2ckt>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <egress-protection-protected-l2ckt>
            <protected-l2ckt-state>
              protected-l2ckt-state
            </protected-l2ckt-state>
            <protected-l2ckt-ingress>
              protected-l2ckt-ingress
            </protected-l2ckt-ingress>
            <protected-l2ckt-egress>

```

```
        protected-l2ckt-egress
      </protected-l2ckt-egress>
      <protected-l2ckt-vcid>
        protected-l2ckt-vcid
      </protected-l2ckt-vcid>
    </egress-protection-protected-l2ckt>
  </connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-statistics-information>
```

#### Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <egress-protection-protected-l2ckt>
              <protected-l2ckt-state>
                protected-l2ckt-state
              </protected-l2ckt-state>
              <protected-l2ckt-ingress>
                protected-l2ckt-ingress
              </protected-l2ckt-ingress>
              <protected-l2ckt-egress>
                protected-l2ckt-egress
              </protected-l2ckt-egress>
              <protected-l2ckt-vcid>
                protected-l2ckt-vcid
              </protected-l2ckt-vcid>
            </egress-protection-protected-l2ckt>
          </connection>
        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-statistics-information>
```

#### Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <connection>
        <egress-protection-protected-l2ckt>
```



```

    <protected-l2ckt-state>
      protected-l2ckt-state
    </protected-l2ckt-state>
    <protected-l2ckt-ingress>
      protected-l2ckt-ingress
    </protected-l2ckt-ingress>
    <protected-l2ckt-egress>
      protected-l2ckt-egress
    </protected-l2ckt-egress>
    <protected-l2ckt-vcid>
      protected-l2ckt-vcid
    </protected-l2ckt-vcid>
  </egress-protection-protected-l2ckt>
</connection>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

#### Description

### <egress-protection-protected-l2ckt>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <egress-protection-protected-l2ckt>
          <protected-l2ckt-state>
            protected-l2ckt-state
          </protected-l2ckt-state>
          <protected-l2ckt-ingress>
            protected-l2ckt-ingress
          </protected-l2ckt-ingress>
          <protected-l2ckt-egress>
            protected-l2ckt-egress
          </protected-l2ckt-egress>
          <protected-l2ckt-vcid>
            protected-l2ckt-vcid
          </protected-l2ckt-vcid>
        </egress-protection-protected-l2ckt>
      </connection>
    </mesh-group-connection>
  </reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

#### Description

### <egress-protection-protected-l2ckt>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>

```

```
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <egress-protection-protected-l2ckt>
        <protected-l2ckt-state>
          protected-l2ckt-state
        </protected-l2ckt-state>
        <protected-l2ckt-ingress>
          protected-l2ckt-ingress
        </protected-l2ckt-ingress>
        <protected-l2ckt-egress>
          protected-l2ckt-egress
        </protected-l2ckt-egress>
        <protected-l2ckt-vcid>
          protected-l2ckt-vcid
        </protected-l2ckt-vcid>
      </egress-protection-protected-l2ckt>
    </connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

## Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <egress-protection-protected-l2ckt>
            <protected-l2ckt-state>
              protected-l2ckt-state
            </protected-l2ckt-state>
            <protected-l2ckt-ingress>
              protected-l2ckt-ingress
            </protected-l2ckt-ingress>
            <protected-l2ckt-egress>
              protected-l2ckt-egress
            </protected-l2ckt-egress>
            <protected-l2ckt-vcid>
              protected-l2ckt-vcid
            </protected-l2ckt-vcid>
          </egress-protection-protected-l2ckt>
        </connection>
      </mesh-group-connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

## Description

## <egress-protection-protected-l2ckt>

### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <egress-protection-protected-l2ckt>
            <protected-l2ckt-state>
              protected-l2ckt-state
            </protected-l2ckt-state>
            <protected-l2ckt-ingress>
              protected-l2ckt-ingress
            </protected-l2ckt-ingress>
            <protected-l2ckt-egress>
              protected-l2ckt-egress
            </protected-l2ckt-egress>
            <protected-l2ckt-vcid>
              protected-l2ckt-vcid
            </protected-l2ckt-vcid>
          </egress-protection-protected-l2ckt>
        </connection>
      </mesh-group-connection>
    </vpls-protocol-state>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

### Description

## <egress-protection-protected-l2ckt>

### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <egress-protection-protected-l2ckt>
            <protected-l2ckt-state>
              protected-l2ckt-state
            </protected-l2ckt-state>
            <protected-l2ckt-ingress>
              protected-l2ckt-ingress
            </protected-l2ckt-ingress>
            <protected-l2ckt-egress>
              protected-l2ckt-egress
            </protected-l2ckt-egress>
            <protected-l2ckt-vcid>
              protected-l2ckt-vcid
            </protected-l2ckt-vcid>
          </egress-protection-protected-l2ckt>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

```
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

## Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <egress-protection-protected-l2ckt>
            <protected-l2ckt-state>
              protected-l2ckt-state
            </protected-l2ckt-state>
            <protected-l2ckt-ingress>
              protected-l2ckt-ingress
            </protected-l2ckt-ingress>
            <protected-l2ckt-egress>
              protected-l2ckt-egress
            </protected-l2ckt-egress>
            <protected-l2ckt-vcid>
              protected-l2ckt-vcid
            </protected-l2ckt-vcid>
          </egress-protection-protected-l2ckt>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

## Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <connection>
        <egress-protection-protected-l2ckt>
          <protected-l2ckt-state>
            protected-l2ckt-state
          </protected-l2ckt-state>
          <protected-l2ckt-ingress>
            protected-l2ckt-ingress
          </protected-l2ckt-ingress>
          <protected-l2ckt-egress>
```

```

        protected-l2ckt-egress
      </protected-l2ckt-egress>
    <protected-l2ckt-vcid>
      protected-l2ckt-vcid
    </protected-l2ckt-vcid>
  </egress-protection-protected-l2ckt>
</connection>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

## Description

### <egress-protection-protected-l2ckt>

#### Usage

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <egress-protection-protected-l2ckt>
          <protected-l2ckt-state>
            protected-l2ckt-state
          </protected-l2ckt-state>
          <protected-l2ckt-ingress>
            protected-l2ckt-ingress
          </protected-l2ckt-ingress>
          <protected-l2ckt-egress>
            protected-l2ckt-egress
          </protected-l2ckt-egress>
          <protected-l2ckt-vcid>
            protected-l2ckt-vcid
          </protected-l2ckt-vcid>
        </egress-protection-protected-l2ckt>
      </connection>
    </mesh-group-connection>
  </reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

## Description

### <egress-protection-protected-l2ckt>

#### Usage

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <ldp-vpls-reference-site>
    <connection>

```

```
<egress-protection-protected-l2ckt>
  <protected-l2ckt-state>
    protected-l2ckt-state
  </protected-l2ckt-state>
  <protected-l2ckt-ingress>
    protected-l2ckt-ingress
  </protected-l2ckt-ingress>
  <protected-l2ckt-egress>
    protected-l2ckt-egress
  </protected-l2ckt-egress>
  <protected-l2ckt-vcid>
    protected-l2ckt-vcid
  </protected-l2ckt-vcid>
</egress-protection-protected-l2ckt>
</connection>
</ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

#### Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <ldp-vpls-reference-site>
        <mesh-group-connection>
          <connection>
            <egress-protection-protected-l2ckt>
              <protected-l2ckt-state>
                protected-l2ckt-state
              </protected-l2ckt-state>
              <protected-l2ckt-ingress>
                protected-l2ckt-ingress
              </protected-l2ckt-ingress>
              <protected-l2ckt-egress>
                protected-l2ckt-egress
              </protected-l2ckt-egress>
              <protected-l2ckt-vcid>
                protected-l2ckt-vcid
              </protected-l2ckt-vcid>
            </egress-protection-protected-l2ckt>
          </connection>
        </mesh-group-connection>
      </ldp-vpls-reference-site>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

#### Description

## <egress-protection-protected-l2ckt>

### Usage

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <egress-protection-protected-l2ckt>
            <protected-l2ckt-state>
              protected-l2ckt-state
            </protected-l2ckt-state>
            <protected-l2ckt-ingress>
              protected-l2ckt-ingress
            </protected-l2ckt-ingress>
            <protected-l2ckt-egress>
              protected-l2ckt-egress
            </protected-l2ckt-egress>
            <protected-l2ckt-vcid>
              protected-l2ckt-vcid
            </protected-l2ckt-vcid>
          </egress-protection-protected-l2ckt>
        </connection>
      </mesh-group-connection>
    </vpls-protocol-state>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

### Description

## <egress-protection-protected-l2ckt>

### Usage

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <egress-protection-protected-l2ckt>
            <protected-l2ckt-state>
              protected-l2ckt-state
            </protected-l2ckt-state>
            <protected-l2ckt-ingress>
              protected-l2ckt-ingress
            </protected-l2ckt-ingress>
            <protected-l2ckt-egress>
              protected-l2ckt-egress
            </protected-l2ckt-egress>
            <protected-l2ckt-vcid>
              protected-l2ckt-vcid
            </protected-l2ckt-vcid>
          </egress-protection-protected-l2ckt>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

```
</egress-protection-protected-l2ckt>
</connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

#### Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
<vpls-protocol-state>
<reference-site>
<mesh-group-connection>
<connection>
<egress-protection-protected-l2ckt>
<protected-l2ckt-state>
  protected-l2ckt-state
</protected-l2ckt-state>
<protected-l2ckt-ingress>
  protected-l2ckt-ingress
</protected-l2ckt-ingress>
<protected-l2ckt-egress>
  protected-l2ckt-egress
</protected-l2ckt-egress>
<protected-l2ckt-vcid>
  protected-l2ckt-vcid
</protected-l2ckt-vcid>
</egress-protection-protected-l2ckt>
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

#### Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<l2circuit-connection-information>
<l2circuit-neighbor>
<connection>
<egress-protection-protected-l2ckt>
<protected-l2ckt-state>
  protected-l2ckt-state
</protected-l2ckt-state>
```



```

    <protected-l2ckt-ingress>
      protected-l2ckt-ingress
    </protected-l2ckt-ingress>
    <protected-l2ckt-egress>
      protected-l2ckt-egress
    </protected-l2ckt-egress>
    <protected-l2ckt-vcid>
      protected-l2ckt-vcid
    </protected-l2ckt-vcid>
  </egress-protection-protected-l2ckt>
</connection>
</l2circuit-neighbor>
</l2circuit-connection-information>

```

### Description

#### <egress-protection-protected-l2ckt>

#### Usage

```

<mvpn-instance-information>
  <instance>
    <reference-site>
      <connection>
        <egress-protection-protected-l2ckt>
          <protected-l2ckt-state>
            protected-l2ckt-state
          </protected-l2ckt-state>
          <protected-l2ckt-ingress>
            protected-l2ckt-ingress
          </protected-l2ckt-ingress>
          <protected-l2ckt-egress>
            protected-l2ckt-egress
          </protected-l2ckt-egress>
          <protected-l2ckt-vcid>
            protected-l2ckt-vcid
          </protected-l2ckt-vcid>
        </egress-protection-protected-l2ckt>
      </connection>
    </reference-site>
  </instance>
</mvpn-instance-information>

```

### Description

#### <egress-protection-protected-l2ckt>

#### Usage

```

<mvpn-instance-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <egress-protection-protected-l2ckt>
            <protected-l2ckt-state>

```

```
        protected-l2ckt-state
      </protected-l2ckt-state>
    <protected-l2ckt-ingress>
      protected-l2ckt-ingress
    </protected-l2ckt-ingress>
    <protected-l2ckt-egress>
      protected-l2ckt-egress
    </protected-l2ckt-egress>
    <protected-l2ckt-vcid>
      protected-l2ckt-vcid
    </protected-l2ckt-vcid>
  </egress-protection-protected-l2ckt>
</connection>
</mesh-group-connection>
</reference-site>
</instance>
</mvpn-instance-information>
```

#### Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<mvpn-instance-information>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <egress-protection-protected-l2ckt>
          <protected-l2ckt-state>
            protected-l2ckt-state
          </protected-l2ckt-state>
          <protected-l2ckt-ingress>
            protected-l2ckt-ingress
          </protected-l2ckt-ingress>
          <protected-l2ckt-egress>
            protected-l2ckt-egress
          </protected-l2ckt-egress>
          <protected-l2ckt-vcid>
            protected-l2ckt-vcid
          </protected-l2ckt-vcid>
        </egress-protection-protected-l2ckt>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</mvpn-instance-information>
```

#### Description

### <egress-protection-protected-l2ckt>

#### Usage

```
<mvpn-instance-information>
  <instance>
    <ldp-vpls-reference-site>
```

```

<mesh-group-connection>
  <connection>
    <egress-protection-protected-l2ckt>
      <protected-l2ckt-state>
        protected-l2ckt-state
      </protected-l2ckt-state>
      <protected-l2ckt-ingress>
        protected-l2ckt-ingress
      </protected-l2ckt-ingress>
      <protected-l2ckt-egress>
        protected-l2ckt-egress
      </protected-l2ckt-egress>
      <protected-l2ckt-vcid>
        protected-l2ckt-vcid
      </protected-l2ckt-vcid>
    </egress-protection-protected-l2ckt>
  </connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</mvpn-instance-information>

```

### Description

#### <egress-protection-protected-l2ckt>

#### Usage

```

<mvpn-instance-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <egress-protection-protected-l2ckt>
            <protected-l2ckt-state>
              protected-l2ckt-state
            </protected-l2ckt-state>
            <protected-l2ckt-ingress>
              protected-l2ckt-ingress
            </protected-l2ckt-ingress>
            <protected-l2ckt-egress>
              protected-l2ckt-egress
            </protected-l2ckt-egress>
            <protected-l2ckt-vcid>
              protected-l2ckt-vcid
            </protected-l2ckt-vcid>
          </egress-protection-protected-l2ckt>
        </connection>
      </mesh-group-connection>
    </vpls-protocol-state>
  </instance>
</mvpn-instance-information>

```

### Description

## <egress-protection-protected-l2ckt>

### Usage

```
<mvpn-instance-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <egress-protection-protected-l2ckt>
            <protected-l2ckt-state>
              protected-l2ckt-state
            </protected-l2ckt-state>
            <protected-l2ckt-ingress>
              protected-l2ckt-ingress
            </protected-l2ckt-ingress>
            <protected-l2ckt-egress>
              protected-l2ckt-egress
            </protected-l2ckt-egress>
            <protected-l2ckt-vcid>
              protected-l2ckt-vcid
            </protected-l2ckt-vcid>
          </egress-protection-protected-l2ckt>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</mvpn-instance-information>
```

### Description

## <egress-protection-protected-l2ckt>

### Usage

```
<mvpn-instance-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <egress-protection-protected-l2ckt>
              <protected-l2ckt-state>
                protected-l2ckt-state
              </protected-l2ckt-state>
              <protected-l2ckt-ingress>
                protected-l2ckt-ingress
              </protected-l2ckt-ingress>
              <protected-l2ckt-egress>
                protected-l2ckt-egress
              </protected-l2ckt-egress>
              <protected-l2ckt-vcid>
                protected-l2ckt-vcid
              </protected-l2ckt-vcid>
            </egress-protection-protected-l2ckt>
          </connection>
        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</mvpn-instance-information>
```

```

    </mesh-group-connection>
  </reference-site>
</vpls-protocol-state>
</instance>
</mvpn-instance-information>

```

## Description

### <egress-protection-protector>

#### Usage

```

<connection>
  <egress-protection-protector>
    <protector-state>
      protector-state
    </protector-state>
    <protector-interface>
      protector-interface
    </protector-interface>
    <interface-status>
      interface-status
    </interface-status>
    <protector-pe>
      protector-pe
    </protector-pe>
    <protector-pe-status>
      protector-pe-status
    </protector-pe-status>
    <protection-context>
      protection-context
    </protection-context>
    <context-status>
      context-status
    </context-status>
    <context-lsp>
      context-lsp
    </context-lsp>
  </egress-protection-protector>
</connection>

```

## Description

### <egress-protection-protector>

#### Usage

```

<mesh-group-connection>
  <connection>
    <egress-protection-protector>
      <protector-state>
        protector-state
      </protector-state>
      <protector-interface>
        protector-interface
      </protector-interface>
    </egress-protection-protector>
  </connection>
</mesh-group-connection>

```

```
<interface-status>
  interface-status
</interface-status>
<protector-pe>
  protector-pe
</protector-pe>
<protector-pe-status>
  protector-pe-status
</protector-pe-status>
<protection-context>
  protection-context
</protection-context>
<context-status>
  context-status
</context-status>
<context-lsp>
  context-lsp
</context-lsp>
</egress-protection-protector>
</connection>
</mesh-group-connection>
```

## Description

### <egress-protection-protector>

#### Usage

```
<instance>
  <reference-site>
    <connection>
      <egress-protection-protector>
        <protector-state>
          protector-state
        </protector-state>
        <protector-interface>
          protector-interface
        </protector-interface>
        <interface-status>
          interface-status
        </interface-status>
        <protector-pe>
          protector-pe
        </protector-pe>
        <protector-pe-status>
          protector-pe-status
        </protector-pe-status>
        <protection-context>
          protection-context
        </protection-context>
        <context-status>
          context-status
        </context-status>
        <context-lsp>
          context-lsp
        </context-lsp>
```

```

    </egress-protection-protector>
  </connection>
</reference-site>
</instance>

```

## Description

### <egress-protection-protector>

#### Usage

```

<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <egress-protection-protector>
          <protector-state>
            protector-state
          </protector-state>
          <protector-interface>
            protector-interface
          </protector-interface>
          <interface-status>
            interface-status
          </interface-status>
          <protector-pe>
            protector-pe
          </protector-pe>
          <protector-pe-status>
            protector-pe-status
          </protector-pe-status>
          <protection-context>
            protection-context
          </protection-context>
          <context-status>
            context-status
          </context-status>
          <context-lsp>
            context-lsp
          </context-lsp>
        </egress-protection-protector>
      </connection>
    </mesh-group-connection>
  </reference-site>
</instance>

```

## Description

### <egress-protection-protector>

#### Usage

```

<instance>
  <ldp-vpls-reference-site>
    <connection>
      <egress-protection-protector>

```

```
<protector-state>
  protector-state
</protector-state>
<protector-interface>
  protector-interface
</protector-interface>
<interface-status>
  interface-status
</interface-status>
<protector-pe>
  protector-pe
</protector-pe>
<protector-pe-status>
  protector-pe-status
</protector-pe-status>
<protection-context>
  protection-context
</protection-context>
<context-status>
  context-status
</context-status>
<context-lsp>
  context-lsp
</context-lsp>
</egress-protection-protector>
</connection>
</ldp-vpls-reference-site>
</instance>
```

## Description

### <egress-protection-protector>

#### Usage

```
<instance>
  <ldp-vpls-reference-site>
  <mesh-group-connection>
  <connection>
    <egress-protection-protector>
      <protector-state>
        protector-state
      </protector-state>
      <protector-interface>
        protector-interface
      </protector-interface>
      <interface-status>
        interface-status
      </interface-status>
      <protector-pe>
        protector-pe
      </protector-pe>
      <protector-pe-status>
        protector-pe-status
      </protector-pe-status>
      <protection-context>
```



```

        protection-context
      </protection-context>
    <context-status>
      context-status
    </context-status>
    <context-lsp>
      context-lsp
    </context-lsp>
  </egress-protection-protector>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>

```

## Description

### <egress-protection-protector>

#### Usage

```

<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <egress-protection-protector>
          <protector-state>
            protector-state
          </protector-state>
          <protector-interface>
            protector-interface
          </protector-interface>
          <interface-status>
            interface-status
          </interface-status>
          <protector-pe>
            protector-pe
          </protector-pe>
          <protector-pe-status>
            protector-pe-status
          </protector-pe-status>
          <protection-context>
            protection-context
          </protection-context>
          <context-status>
            context-status
          </context-status>
          <context-lsp>
            context-lsp
          </context-lsp>
        </egress-protection-protector>
      </connection>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>

```

## Description

### <egress-protection-protector>

#### Usage

```
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <egress-protection-protector>
          <protector-state>
            protector-state
          </protector-state>
          <protector-interface>
            protector-interface
          </protector-interface>
          <interface-status>
            interface-status
          </interface-status>
          <protector-pe>
            protector-pe
          </protector-pe>
          <protector-pe-status>
            protector-pe-status
          </protector-pe-status>
          <protection-context>
            protection-context
          </protection-context>
          <context-status>
            context-status
          </context-status>
          <context-lsp>
            context-lsp
          </context-lsp>
        </egress-protection-protector>
      </connection>
    </reference-site>
  </vpls-protocol-state>
</instance>
```

## Description

### <egress-protection-protector>

#### Usage

```
<instance>
  <vpls-protocol-state>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <egress-protection-protector>
            <protector-state>
              protector-state
            </protector-state>
            <protector-interface>
```

```

    protector-interface
  </protector-interface>
  <interface-status>
    interface-status
  </interface-status>
  <protector-pe>
    protector-pe
  </protector-pe>
  <protector-pe-status>
    protector-pe-status
  </protector-pe-status>
  <protection-context>
    protection-context
  </protection-context>
  <context-status>
    context-status
  </context-status>
  <context-lsp>
    context-lsp
  </context-lsp>
</egress-protection-protector>
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>

```

## Description

### <egress-protection-protector>

#### Usage

```

<l2vpn-connection-information>
  <instance>
    <reference-site>
      <connection>
        <egress-protection-protector>
          <protector-state>
            protector-state
          </protector-state>
          <protector-interface>
            protector-interface
          </protector-interface>
          <interface-status>
            interface-status
          </interface-status>
          <protector-pe>
            protector-pe
          </protector-pe>
          <protector-pe-status>
            protector-pe-status
          </protector-pe-status>
          <protection-context>
            protection-context
          </protection-context>

```

```
<context-status>
  context-status
</context-status>
<context-lsp>
  context-lsp
</context-lsp>
</egress-protection-protector>
</connection>
</reference-site>
</instance>
</l2vpn-connection-information>
```

## Description

### <egress-protection-protector>

#### Usage

```
<l2vpn-connection-information>
<instance>
<reference-site>
<mesh-group-connection>
<connection>
  <egress-protection-protector>
    <protector-state>
      protector-state
    </protector-state>
    <protector-interface>
      protector-interface
    </protector-interface>
    <interface-status>
      interface-status
    </interface-status>
    <protector-pe>
      protector-pe
    </protector-pe>
    <protector-pe-status>
      protector-pe-status
    </protector-pe-status>
    <protection-context>
      protection-context
    </protection-context>
    <context-status>
      context-status
    </context-status>
    <context-lsp>
      context-lsp
    </context-lsp>
  </egress-protection-protector>
</connection>
</mesh-group-connection>
</reference-site>
</instance>
</l2vpn-connection-information>
```

## Description

## &lt;egress-protection-protector&gt;

## Usage

```

<l2vpn-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <egress-protection-protector>
        <protector-state>
          protector-state
        </protector-state>
        <protector-interface>
          protector-interface
        </protector-interface>
        <interface-status>
          interface-status
        </interface-status>
        <protector-pe>
          protector-pe
        </protector-pe>
        <protector-pe-status>
          protector-pe-status
        </protector-pe-status>
        <protection-context>
          protection-context
        </protection-context>
        <context-status>
          context-status
        </context-status>
        <context-lsp>
          context-lsp
        </context-lsp>
      </egress-protection-protector>
    </connection>
  </ldp-vpls-reference-site>
</instance>
</l2vpn-connection-information>

```

## Description

## &lt;egress-protection-protector&gt;

## Usage

```

<l2vpn-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <egress-protection-protector>
          <protector-state>
            protector-state
          </protector-state>
          <protector-interface>

```

```
    protector-interface
  </protector-interface>
  <interface-status>
    interface-status
  </interface-status>
  <protector-pe>
    protector-pe
  </protector-pe>
  <protector-pe-status>
    protector-pe-status
  </protector-pe-status>
  <protection-context>
    protection-context
  </protection-context>
  <context-status>
    context-status
  </context-status>
  <context-lsp>
    context-lsp
  </context-lsp>
</egress-protection-protector>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</l2vpn-connection-information>
```

## Description

### <egress-protection-protector>

#### Usage

```
<l2vpn-connection-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <egress-protection-protector>
            <protector-state>
              protector-state
            </protector-state>
            <protector-interface>
              protector-interface
            </protector-interface>
            <interface-status>
              interface-status
            </interface-status>
            <protector-pe>
              protector-pe
            </protector-pe>
            <protector-pe-status>
              protector-pe-status
            </protector-pe-status>
            <protection-context>
              protection-context
```

```

    </protection-context>
    <context-status>
      context-status
    </context-status>
    <context-lsp>
      context-lsp
    </context-lsp>
  </egress-protection-protector>
</connection>
</mesh-group-connection>
</vpls-protocol-state>
</instance>
</l2vpn-connection-information>

```

## Description

### <egress-protection-protector>

#### Usage

```

<l2vpn-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <egress-protection-protector>
            <protector-state>
              protector-state
            </protector-state>
            <protector-interface>
              protector-interface
            </protector-interface>
            <interface-status>
              interface-status
            </interface-status>
            <protector-pe>
              protector-pe
            </protector-pe>
            <protector-pe-status>
              protector-pe-status
            </protector-pe-status>
            <protection-context>
              protection-context
            </protection-context>
            <context-status>
              context-status
            </context-status>
            <context-lsp>
              context-lsp
            </context-lsp>
          </egress-protection-protector>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>

```

</l2vpn-connection-information>

#### Description

### <egress-protection-protector>

#### Usage

```
<l2vpn-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <egress-protection-protector>
              <protector-state>
                protector-state
              </protector-state>
              <protector-interface>
                protector-interface
              </protector-interface>
              <interface-status>
                interface-status
              </interface-status>
              <protector-pe>
                protector-pe
              </protector-pe>
              <protector-pe-status>
                protector-pe-status
              </protector-pe-status>
              <protection-context>
                protection-context
              </protection-context>
              <context-status>
                context-status
              </context-status>
              <context-lsp>
                context-lsp
              </context-lsp>
            </egress-protection-protector>
          </connection>
        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</l2vpn-connection-information>
```

#### Description

### <egress-protection-protector>

#### Usage

```
<vpls-connection-information>
  <instance>
    <reference-site>
```



```

<connection>
  <egress-protection-protector>
    <protector-state>
      protector-state
    </protector-state>
    <protector-interface>
      protector-interface
    </protector-interface>
    <interface-status>
      interface-status
    </interface-status>
    <protector-pe>
      protector-pe
    </protector-pe>
    <protector-pe-status>
      protector-pe-status
    </protector-pe-status>
    <protection-context>
      protection-context
    </protection-context>
    <context-status>
      context-status
    </context-status>
    <context-lsp>
      context-lsp
    </context-lsp>
  </egress-protection-protector>
</connection>
</reference-site>
</instance>
</vpls-connection-information>

```

## Description

### <egress-protection-protector>

#### Usage

```

<vpls-connection-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <egress-protection-protector>
            <protector-state>
              protector-state
            </protector-state>
            <protector-interface>
              protector-interface
            </protector-interface>
            <interface-status>
              interface-status
            </interface-status>
            <protector-pe>
              protector-pe
            </protector-pe>
          </egress-protection-protector>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>
</vpls-connection-information>

```

```
<protector-pe-status>
  protector-pe-status
</protector-pe-status>
<protection-context>
  protection-context
</protection-context>
<context-status>
  context-status
</context-status>
<context-lsp>
  context-lsp
</context-lsp>
</egress-protection-protector>
</connection>
</mesh-group-connection>
</reference-site>
</instance>
</vpls-connection-information>
```

## Description

### <egress-protection-protector>

#### Usage

```
<vpls-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <egress-protection-protector>
        <protector-state>
          protector-state
        </protector-state>
        <protector-interface>
          protector-interface
        </protector-interface>
        <interface-status>
          interface-status
        </interface-status>
        <protector-pe>
          protector-pe
        </protector-pe>
        <protector-pe-status>
          protector-pe-status
        </protector-pe-status>
        <protection-context>
          protection-context
        </protection-context>
        <context-status>
          context-status
        </context-status>
        <context-lsp>
          context-lsp
        </context-lsp>
      </egress-protection-protector>
    </connection>
```

```

    </ldp-vpls-reference-site>
  </instance>
</vpls-connection-information>

```

## Description

### <egress-protection-protector>

#### Usage

```

<vpls-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <egress-protection-protector>
            <protector-state>
              protector-state
            </protector-state>
            <protector-interface>
              protector-interface
            </protector-interface>
            <interface-status>
              interface-status
            </interface-status>
            <protector-pe>
              protector-pe
            </protector-pe>
            <protector-pe-status>
              protector-pe-status
            </protector-pe-status>
            <protection-context>
              protection-context
            </protection-context>
            <context-status>
              context-status
            </context-status>
            <context-lsp>
              context-lsp
            </context-lsp>
          </egress-protection-protector>
        </connection>
      </mesh-group-connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-connection-information>

```

## Description

### <egress-protection-protector>

#### Usage

```

<vpls-connection-information>
  <instance>
    <vpls-protocol-state>

```

```
<mesh-group-connection>
  <connection>
    <egress-protection-protector>
      <protector-state>
        protector-state
      </protector-state>
      <protector-interface>
        protector-interface
      </protector-interface>
      <interface-status>
        interface-status
      </interface-status>
      <protector-pe>
        protector-pe
      </protector-pe>
      <protector-pe-status>
        protector-pe-status
      </protector-pe-status>
      <protection-context>
        protection-context
      </protection-context>
      <context-status>
        context-status
      </context-status>
      <context-lsp>
        context-lsp
      </context-lsp>
    </egress-protection-protector>
  </connection>
</mesh-group-connection>
</vpls-protocol-state>
</instance>
</vpls-connection-information>
```

## Description

### <egress-protection-protector>

#### Usage

```
<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <egress-protection-protector>
            <protector-state>
              protector-state
            </protector-state>
            <protector-interface>
              protector-interface
            </protector-interface>
            <interface-status>
              interface-status
            </interface-status>
            <protector-pe>
```

```

    protector-pe
  </protector-pe>
  <protector-pe-status>
    protector-pe-status
  </protector-pe-status>
  <protection-context>
    protection-context
  </protection-context>
  <context-status>
    context-status
  </context-status>
  <context-lsp>
    context-lsp
  </context-lsp>
</egress-protection-protector>
</connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-connection-information>

```

## Description

### <egress-protection-protector>

#### Usage

```

<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <egress-protection-protector>
              <protector-state>
                protector-state
              </protector-state>
              <protector-interface>
                protector-interface
              </protector-interface>
              <interface-status>
                interface-status
              </interface-status>
              <protector-pe>
                protector-pe
              </protector-pe>
              <protector-pe-status>
                protector-pe-status
              </protector-pe-status>
              <protection-context>
                protection-context
              </protection-context>
              <context-status>
                context-status
              </context-status>
              <context-lsp>

```

```
        context-lsp
      </context-lsp>
    </egress-protection-protector>
  </connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-connection-information>
```

## Description

### <egress-protection-protector>

#### Usage

```
<vpls-statistics-information>
  <instance>
    <reference-site>
      <connection>
        <egress-protection-protector>
          <protector-state>
            protector-state
          </protector-state>
          <protector-interface>
            protector-interface
          </protector-interface>
          <interface-status>
            interface-status
          </interface-status>
          <protector-pe>
            protector-pe
          </protector-pe>
          <protector-pe-status>
            protector-pe-status
          </protector-pe-status>
          <protection-context>
            protection-context
          </protection-context>
          <context-status>
            context-status
          </context-status>
          <context-lsp>
            context-lsp
          </context-lsp>
        </egress-protection-protector>
      </connection>
    </reference-site>
  </instance>
</vpls-statistics-information>
```

## Description

## <egress-protection-protector>

### Usage

```

<vpls-statistics-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <egress-protection-protector>
            <protector-state>
              protector-state
            </protector-state>
            <protector-interface>
              protector-interface
            </protector-interface>
            <interface-status>
              interface-status
            </interface-status>
            <protector-pe>
              protector-pe
            </protector-pe>
            <protector-pe-status>
              protector-pe-status
            </protector-pe-status>
            <protection-context>
              protection-context
            </protection-context>
            <context-status>
              context-status
            </context-status>
            <context-lsp>
              context-lsp
            </context-lsp>
          </egress-protection-protector>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>
</vpls-statistics-information>

```

### Description

## <egress-protection-protector>

### Usage

```

<vpls-statistics-information>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <egress-protection-protector>
          <protector-state>
            protector-state
          </protector-state>
          <protector-interface>

```

```
    protector-interface
  </protector-interface>
  <interface-status>
    interface-status
  </interface-status>
  <protector-pe>
    protector-pe
  </protector-pe>
  <protector-pe-status>
    protector-pe-status
  </protector-pe-status>
  <protection-context>
    protection-context
  </protection-context>
  <context-status>
    context-status
  </context-status>
  <context-lsp>
    context-lsp
  </context-lsp>
</egress-protection-protector>
</connection>
</ldp-vpls-reference-site>
</instance>
</vpls-statistics-information>
```

## Description

### <egress-protection-protector>

#### Usage

```
<vpls-statistics-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <egress-protection-protector>
            <protector-state>
              protector-state
            </protector-state>
            <protector-interface>
              protector-interface
            </protector-interface>
            <interface-status>
              interface-status
            </interface-status>
            <protector-pe>
              protector-pe
            </protector-pe>
            <protector-pe-status>
              protector-pe-status
            </protector-pe-status>
            <protection-context>
              protection-context
            </protection-context>
```



```

    <context-status>
      context-status
    </context-status>
    <context-lsp>
      context-lsp
    </context-lsp>
  </egress-protection-protector>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</vpls-statistics-information>

```

## Description

### <egress-protection-protector>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <egress-protection-protector>
            <protector-state>
              protector-state
            </protector-state>
            <protector-interface>
              protector-interface
            </protector-interface>
            <interface-status>
              interface-status
            </interface-status>
            <protector-pe>
              protector-pe
            </protector-pe>
            <protector-pe-status>
              protector-pe-status
            </protector-pe-status>
            <protection-context>
              protection-context
            </protection-context>
            <context-status>
              context-status
            </context-status>
            <context-lsp>
              context-lsp
            </context-lsp>
          </egress-protection-protector>
        </connection>
      </mesh-group-connection>
    </vpls-protocol-state>
  </instance>
</vpls-statistics-information>

```

## Description

### <egress-protection-protector>

#### Usage

```
<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <egress-protection-protector>
            <protector-state>
              protector-state
            </protector-state>
            <protector-interface>
              protector-interface
            </protector-interface>
            <interface-status>
              interface-status
            </interface-status>
            <protector-pe>
              protector-pe
            </protector-pe>
            <protector-pe-status>
              protector-pe-status
            </protector-pe-status>
            <protection-context>
              protection-context
            </protection-context>
            <context-status>
              context-status
            </context-status>
            <context-lsp>
              context-lsp
            </context-lsp>
          </egress-protection-protector>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-statistics-information>
```

## Description

### <egress-protection-protector>

#### Usage

```
<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <egress-protection-protector>
              <protector-state>
```

```

    protector-state
  </protector-state>
  <protector-interface>
    protector-interface
  </protector-interface>
  <interface-status>
    interface-status
  </interface-status>
  <protector-pe>
    protector-pe
  </protector-pe>
  <protector-pe-status>
    protector-pe-status
  </protector-pe-status>
  <protection-context>
    protection-context
  </protection-context>
  <context-status>
    context-status
  </context-status>
  <context-lsp>
    context-lsp
  </context-lsp>
  </egress-protection-protector>
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-statistics-information>

```

## Description

### <egress-protection-protector>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <connection>
        <egress-protection-protector>
          <protector-state>
            protector-state
          </protector-state>
          <protector-interface>
            protector-interface
          </protector-interface>
          <interface-status>
            interface-status
          </interface-status>
          <protector-pe>
            protector-pe
          </protector-pe>
          <protector-pe-status>
            protector-pe-status

```

```
</protector-pe-status>
<protection-context>
  protection-context
</protection-context>
<context-status>
  context-status
</context-status>
<context-lsp>
  context-lsp
</context-lsp>
</egress-protection-protector>
</connection>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

## Description

### <egress-protection-protector>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <egress-protection-protector>
          <protector-state>
            protector-state
          </protector-state>
          <protector-interface>
            protector-interface
          </protector-interface>
          <interface-status>
            interface-status
          </interface-status>
          <protector-pe>
            protector-pe
          </protector-pe>
          <protector-pe-status>
            protector-pe-status
          </protector-pe-status>
          <protection-context>
            protection-context
          </protection-context>
          <context-status>
            context-status
          </context-status>
          <context-lsp>
            context-lsp
          </context-lsp>
        </egress-protection-protector>
      </connection>
    </mesh-group-connection>
  </reference-site>
```

```

    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>

```

## Description

### <egress-protection-protector>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <egress-protection-protector>
          <protector-state>
            protector-state
          </protector-state>
          <protector-interface>
            protector-interface
          </protector-interface>
          <interface-status>
            interface-status
          </interface-status>
          <protector-pe>
            protector-pe
          </protector-pe>
          <protector-pe-status>
            protector-pe-status
          </protector-pe-status>
          <protection-context>
            protection-context
          </protection-context>
          <context-status>
            context-status
          </context-status>
          <context-lsp>
            context-lsp
          </context-lsp>
        </egress-protection-protector>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

## Description

### <egress-protection-protector>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <egress-protection-protector>

```

```
<protector-state>
  protector-state
</protector-state>
<protector-interface>
  protector-interface
</protector-interface>
<interface-status>
  interface-status
</interface-status>
<protector-pe>
  protector-pe
</protector-pe>
<protector-pe-status>
  protector-pe-status
</protector-pe-status>
<protection-context>
  protection-context
</protection-context>
<context-status>
  context-status
</context-status>
<context-lsp>
  context-lsp
</context-lsp>
</egress-protection-protector>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

## Description

### <egress-protection-protector>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <egress-protection-protector>
          <protector-state>
            protector-state
          </protector-state>
          <protector-interface>
            protector-interface
          </protector-interface>
          <interface-status>
            interface-status
          </interface-status>
          <protector-pe>
            protector-pe
          </protector-pe>
          <protector-pe-status>
```

```

    protector-pe-status
  </protector-pe-status>
  <protection-context>
    protection-context
  </protection-context>
  <context-status>
    context-status
  </context-status>
  <context-lsp>
    context-lsp
  </context-lsp>
</egress-protection-protector>
</connection>
</mesh-group-connection>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

## Description

### <egress-protection-protector>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <egress-protection-protector>
            <protector-state>
              protector-state
            </protector-state>
            <protector-interface>
              protector-interface
            </protector-interface>
            <interface-status>
              interface-status
            </interface-status>
            <protector-pe>
              protector-pe
            </protector-pe>
            <protector-pe-status>
              protector-pe-status
            </protector-pe-status>
            <protection-context>
              protection-context
            </protection-context>
            <context-status>
              context-status
            </context-status>
            <context-lsp>
              context-lsp
            </context-lsp>
          </egress-protection-protector>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

```
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

## Description

### <egress-protection-protector>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
<vpls-protocol-state>
<reference-site>
<mesh-group-connection>
<connection>
  <egress-protection-protector>
    <protector-state>
      protector-state
    </protector-state>
    <protector-interface>
      protector-interface
    </protector-interface>
    <interface-status>
      interface-status
    </interface-status>
    <protector-pe>
      protector-pe
    </protector-pe>
    <protector-pe-status>
      protector-pe-status
    </protector-pe-status>
    <protection-context>
      protection-context
    </protection-context>
    <context-status>
      context-status
    </context-status>
    <context-lsp>
      context-lsp
    </context-lsp>
  </egress-protection-protector>
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

## Description



**<egress-protection-protector>****Usage**

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <connection>
        <egress-protection-protector>
          <protector-state>
            protector-state
          </protector-state>
          <protector-interface>
            protector-interface
          </protector-interface>
          <interface-status>
            interface-status
          </interface-status>
          <protector-pe>
            protector-pe
          </protector-pe>
          <protector-pe-status>
            protector-pe-status
          </protector-pe-status>
          <protection-context>
            protection-context
          </protection-context>
          <context-status>
            context-status
          </context-status>
          <context-lsp>
            context-lsp
          </context-lsp>
        </egress-protection-protector>
      </connection>
    </reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

**Description****<egress-protection-protector>****Usage**

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <egress-protection-protector>
            <protector-state>
              protector-state
            </protector-state>
          </egress-protection-protector>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

```
</protector-state>
<protector-interface>
  protector-interface
</protector-interface>
<interface-status>
  interface-status
</interface-status>
<protector-pe>
  protector-pe
</protector-pe>
<protector-pe-status>
  protector-pe-status
</protector-pe-status>
<protection-context>
  protection-context
</protection-context>
<context-status>
  context-status
</context-status>
<context-lsp>
  context-lsp
</context-lsp>
</egress-protection-protector>
</connection>
</mesh-group-connection>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

## Description

### <egress-protection-protector>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <egress-protection-protector>
        <protector-state>
          protector-state
        </protector-state>
        <protector-interface>
          protector-interface
        </protector-interface>
        <interface-status>
          interface-status
        </interface-status>
        <protector-pe>
          protector-pe
        </protector-pe>
        <protector-pe-status>
          protector-pe-status
```

```

    </protector-pe-status>
    <protection-context>
      protection-context
    </protection-context>
    <context-status>
      context-status
    </context-status>
    <context-lsp>
      context-lsp
    </context-lsp>
  </egress-protection-protector>
</connection>
</ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

## Description

### <egress-protection-protector>

#### Usage

```

<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <ldp-vpls-reference-site>
        <mesh-group-connection>
          <connection>
            <egress-protection-protector>
              <protector-state>
                protector-state
              </protector-state>
              <protector-interface>
                protector-interface
              </protector-interface>
              <interface-status>
                interface-status
              </interface-status>
              <protector-pe>
                protector-pe
              </protector-pe>
              <protector-pe-status>
                protector-pe-status
              </protector-pe-status>
              <protection-context>
                protection-context
              </protection-context>
              <context-status>
                context-status
              </context-status>
              <context-lsp>
                context-lsp
              </context-lsp>
            </egress-protection-protector>
          </connection>
        </mesh-group-connection>
      </ldp-vpls-reference-site>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

```
        </mesh-group-connection>
      </ldp-vpls-reference-site>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

## Description

### <egress-protection-protector>

#### Usage

```
<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <vpls-protocol-state>
        <mesh-group-connection>
          <connection>
            <egress-protection-protector>
              <protector-state>
                protector-state
              </protector-state>
              <protector-interface>
                protector-interface
              </protector-interface>
              <interface-status>
                interface-status
              </interface-status>
              <protector-pe>
                protector-pe
              </protector-pe>
              <protector-pe-status>
                protector-pe-status
              </protector-pe-status>
              <protection-context>
                protection-context
              </protection-context>
              <context-status>
                context-status
              </context-status>
              <context-lsp>
                context-lsp
              </context-lsp>
            </egress-protection-protector>
          </connection>
        </mesh-group-connection>
      </vpls-protocol-state>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

## Description

**<egress-protection-protector>****Usage**

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <egress-protection-protector>
            <protector-state>
              protector-state
            </protector-state>
            <protector-interface>
              protector-interface
            </protector-interface>
            <interface-status>
              interface-status
            </interface-status>
            <protector-pe>
              protector-pe
            </protector-pe>
            <protector-pe-status>
              protector-pe-status
            </protector-pe-status>
            <protection-context>
              protection-context
            </protection-context>
            <context-status>
              context-status
            </context-status>
            <context-lsp>
              context-lsp
            </context-lsp>
          </egress-protection-protector>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

**Description****<egress-protection-protector>****Usage**

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>

```

```
<egress-protection-protector>
  <protector-state>
    protector-state
  </protector-state>
  <protector-interface>
    protector-interface
  </protector-interface>
  <interface-status>
    interface-status
  </interface-status>
  <protector-pe>
    protector-pe
  </protector-pe>
  <protector-pe-status>
    protector-pe-status
  </protector-pe-status>
  <protection-context>
    protection-context
  </protection-context>
  <context-status>
    context-status
  </context-status>
  <context-lsp>
    context-lsp
  </context-lsp>
</egress-protection-protector>
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

## Description

### <egress-protection-protector>

#### Usage

```
<l2circuit-connection-information>
  <l2circuit-neighbor>
    <connection>
      <egress-protection-protector>
        <protector-state>
          protector-state
        </protector-state>
        <protector-interface>
          protector-interface
        </protector-interface>
        <interface-status>
          interface-status
        </interface-status>
        <protector-pe>
          protector-pe
        </protector-pe>
```

```

    <protector-pe-status>
      protector-pe-status
    </protector-pe-status>
    <protection-context>
      protection-context
    </protection-context>
    <context-status>
      context-status
    </context-status>
    <context-lsp>
      context-lsp
    </context-lsp>
  </egress-protection-protector>
</connection>
</l2circuit-neighbor>
</l2circuit-connection-information>

```

## Description

### <egress-protection-protector>

#### Usage

```

<mvpn-instance-information>
  <instance>
    <reference-site>
      <connection>
        <egress-protection-protector>
          <protector-state>
            protector-state
          </protector-state>
          <protector-interface>
            protector-interface
          </protector-interface>
          <interface-status>
            interface-status
          </interface-status>
          <protector-pe>
            protector-pe
          </protector-pe>
          <protector-pe-status>
            protector-pe-status
          </protector-pe-status>
          <protection-context>
            protection-context
          </protection-context>
          <context-status>
            context-status
          </context-status>
          <context-lsp>
            context-lsp
          </context-lsp>
        </egress-protection-protector>
      </connection>
    </reference-site>
  </instance>

```

```
</mvpn-instance-information>
```

#### Description

### <egress-protection-protector>

#### Usage

```
<mvpn-instance-information>
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <egress-protection-protector>
          <protector-state>
            protector-state
          </protector-state>
          <protector-interface>
            protector-interface
          </protector-interface>
          <interface-status>
            interface-status
          </interface-status>
          <protector-pe>
            protector-pe
          </protector-pe>
          <protector-pe-status>
            protector-pe-status
          </protector-pe-status>
          <protection-context>
            protection-context
          </protection-context>
          <context-status>
            context-status
          </context-status>
          <context-lsp>
            context-lsp
          </context-lsp>
        </egress-protection-protector>
      </connection>
    </mesh-group-connection>
  </reference-site>
</instance>
</mvpn-instance-information>
```

#### Description

### <egress-protection-protector>

#### Usage

```
<mvpn-instance-information>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <egress-protection-protector>
```



```

<protector-state>
  protector-state
</protector-state>
<protector-interface>
  protector-interface
</protector-interface>
<interface-status>
  interface-status
</interface-status>
<protector-pe>
  protector-pe
</protector-pe>
<protector-pe-status>
  protector-pe-status
</protector-pe-status>
<protection-context>
  protection-context
</protection-context>
<context-status>
  context-status
</context-status>
<context-lsp>
  context-lsp
</context-lsp>
</egress-protection-protector>
</connection>
</ldp-vpls-reference-site>
</instance>
</mvpn-instance-information>

```

## Description

### <egress-protection-protector>

#### Usage

```

<mvpn-instance-information>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <egress-protection-protector>
          <protector-state>
            protector-state
          </protector-state>
          <protector-interface>
            protector-interface
          </protector-interface>
          <interface-status>
            interface-status
          </interface-status>
          <protector-pe>
            protector-pe
          </protector-pe>
          <protector-pe-status>
            protector-pe-status

```

```
</protector-pe-status>
<protection-context>
  protection-context
</protection-context>
<context-status>
  context-status
</context-status>
<context-lsp>
  context-lsp
</context-lsp>
</egress-protection-protector>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</mvpn-instance-information>
```

## Description

### <egress-protection-protector>

#### Usage

```
<mvpn-instance-information>
<instance>
<vpls-protocol-state>
<mesh-group-connection>
<connection>
  <egress-protection-protector>
    <protector-state>
      protector-state
    </protector-state>
    <protector-interface>
      protector-interface
    </protector-interface>
    <interface-status>
      interface-status
    </interface-status>
    <protector-pe>
      protector-pe
    </protector-pe>
    <protector-pe-status>
      protector-pe-status
    </protector-pe-status>
    <protection-context>
      protection-context
    </protection-context>
    <context-status>
      context-status
    </context-status>
    <context-lsp>
      context-lsp
    </context-lsp>
  </egress-protection-protector>
</connection>
</mesh-group-connection>
```

```

    </vpls-protocol-state>
  </instance>
</mvpn-instance-information>

```

## Description

### <egress-protection-protector>

#### Usage

```

<mvpn-instance-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <egress-protection-protector>
            <protector-state>
              protector-state
            </protector-state>
            <protector-interface>
              protector-interface
            </protector-interface>
            <interface-status>
              interface-status
            </interface-status>
            <protector-pe>
              protector-pe
            </protector-pe>
            <protector-pe-status>
              protector-pe-status
            </protector-pe-status>
            <protection-context>
              protection-context
            </protection-context>
            <context-status>
              context-status
            </context-status>
            <context-lsp>
              context-lsp
            </context-lsp>
          </egress-protection-protector>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</mvpn-instance-information>

```

## Description

### <egress-protection-protector>

#### Usage

```

<mvpn-instance-information>
  <instance>
    <vpls-protocol-state>

```

```
<reference-site>
  <mesh-group-connection>
    <connection>
      <egress-protection-protector>
        <protector-state>
          protector-state
        </protector-state>
        <protector-interface>
          protector-interface
        </protector-interface>
        <interface-status>
          interface-status
        </interface-status>
        <protector-pe>
          protector-pe
        </protector-pe>
        <protector-pe-status>
          protector-pe-status
        </protector-pe-status>
        <protection-context>
          protection-context
        </protection-context>
        <context-status>
          context-status
        </context-status>
        <context-lsp>
          context-lsp
        </context-lsp>
      </egress-protection-protector>
    </connection>
  </mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</mvpn-instance-information>
```

## Description

<end-system-element>

## Usage

```
<isis-overview>
  <isis-spf-information>
    <isis-spf>
      <isis-spf-result>
        <end-system-element>
          <end-system-id>
            end-system-id
          </end-system-id>
          <end-system-metric>
            end-system-metric
          </end-system-metric>
        </end-system-element>
      </isis-spf-result>
    </isis-spf>
```

```

    </isis-spf-information>
  </isis-overview>

```

#### Description

**<end-system-element>**

#### Usage

```

<isis-overview-information>
  <isis-overview>
    <isis-spf-information>
      <isis-spf>
        <isis-spf-result>
          <end-system-element>
            <end-system-id>
              end-system-id
            </end-system-id>
            <end-system-metric>
              end-system-metric
            </end-system-metric>
          </end-system-element>
        </isis-spf-result>
      </isis-spf>
    </isis-spf-information>
  </isis-overview>
</isis-overview-information>

```

#### Description

**<end-system-element>**

#### Usage

```

<isis-spf-result>
  <end-system-element>
    <end-system-id>
      end-system-id
    </end-system-id>
    <end-system-metric>
      end-system-metric
    </end-system-metric>
  </end-system-element>
</isis-spf-result>

```

#### Description

**<end-system-element>**

#### Usage

```

<isis-spf>
  <isis-spf-result>
    <end-system-element>
      <end-system-id>
        end-system-id
      </end-system-id>
    </end-system-element>
  </isis-spf-result>
</isis-spf>

```

```
</end-system-id>
<end-system-metric>
  end-system-metric
</end-system-metric>
</end-system-element>
</isis-spf-result>
</isis-spf>
```

#### Description

### <end-system-element>

#### Usage

```
<isis-spf-information>
<isis-spf>
  <isis-spf-result>
    <end-system-element>
      <end-system-id>
        end-system-id
      </end-system-id>
      <end-system-metric>
        end-system-metric
      </end-system-metric>
    </end-system-element>
  </isis-spf-result>
</isis-spf>
</isis-spf-information>
```

#### Description

### <esis-adjacency>

#### Usage

```
<esis-adjacency>
  <esis-neighbor-type>
    esis-neighbor-type
  </esis-neighbor-type>
  <esis-neighbor-id>
    esis-neighbor-id
  </esis-neighbor-id>
  <holdtime>
    holdtime
  </holdtime>
  <esis-adjacency-advertised-holdtime>
    esis-adjacency-advertised-holdtime
  </esis-adjacency-advertised-holdtime>
  <snpa>
    snpa
  </snpa>
  <interface-name>
    interface-name
  </interface-name>
  <esis-adjacency-log>....</esis-adjacency-log>
```

</esis-adjacency>

#### Description

<esis-adjacency>

#### Usage

```
<esis-adjacency-information>
  <esis-adjacency>
    <esis-neighbor-type>
      esis-neighbor-type
    </esis-neighbor-type>
    <esis-neighbor-id>
      esis-neighbor-id
    </esis-neighbor-id>
    <holdtime>
      holdtime
    </holdtime>
    <esis-adjacency-advertised-holdtime>
      esis-adjacency-advertised-holdtime
    </esis-adjacency-advertised-holdtime>
    <snpa>
      snpa
    </snpa>
    <interface-name>
      interface-name
    </interface-name>
    <esis-adjacency-log>....</esis-adjacency-log>
  </esis-adjacency>
</esis-adjacency-information>
```

#### Description

<esis-adjacency-information>

#### Usage

```
<esis-adjacency-information>
  <esis-adjacency>....</esis-adjacency>
</esis-adjacency-information>
```

#### Description

<esis-adjacency-log>

#### Usage

```
<esis-adjacency>
  <esis-adjacency-log>
    <esis-adjacency-when>
      esis-adjacency-when
    </esis-adjacency-when>
    <esis-adjacency-state>
      esis-adjacency-state
    </esis-adjacency-state>
```

```
<esis-adjacency-event>
  esis-adjacency-event
</esis-adjacency-event>
<esis-adjacency-down-reason>
  esis-adjacency-down-reason
</esis-adjacency-down-reason>
</esis-adjacency-log>
</esis-adjacency>
```

**Description** Entry describing ES-IS adjacency transition

### <esis-adjacency-log>

#### Usage

```
<esis-adjacency-information>
<esis-adjacency>
  <esis-adjacency-log>
    <esis-adjacency-when>
      esis-adjacency-when
    </esis-adjacency-when>
    <esis-adjacency-state>
      esis-adjacency-state
    </esis-adjacency-state>
    <esis-adjacency-event>
      esis-adjacency-event
    </esis-adjacency-event>
    <esis-adjacency-down-reason>
      esis-adjacency-down-reason
    </esis-adjacency-down-reason>
  </esis-adjacency-log>
</esis-adjacency>
</esis-adjacency-information>
```

**Description** Entry describing ES-IS adjacency transition

### <esis-interface>

#### Usage

```
<esis-interface>
  <interface-name>
    interface-name
  </interface-name>
  <esis-interface-receives>
    esis-interface-receives
  </esis-interface-receives>
  <esis-interface-sends>
    esis-interface-sends
  </esis-interface-sends>
  <interface-index>
    interface-index
  </interface-index>
  <esis-interface-state-value>
```



```

    esis-interface-state-value
  </esis-interface-state-value>
  <esis-hello-interval>
    esis-hello-interval
  </esis-hello-interval>
  <holdtime>
    holdtime
  </holdtime>
  <esis-esct>
    esis-esct
  </esis-esct>
  <esis-adjacency-count>
    esis-adjacency-count
  </esis-adjacency-count>
  <esis-interface-net>
    esis-interface-net
  </esis-interface-net>
</esis-interface>

```

## Description

<esis-interface>

## Usage

```

<esis-interface-information>
  <esis-interface>
    <interface-name>
      interface-name
    </interface-name>
    <esis-interface-receives>
      esis-interface-receives
    </esis-interface-receives>
    <esis-interface-sends>
      esis-interface-sends
    </esis-interface-sends>
    <interface-index>
      interface-index
    </interface-index>
    <esis-interface-state-value>
      esis-interface-state-value
    </esis-interface-state-value>
    <esis-hello-interval>
      esis-hello-interval
    </esis-hello-interval>
    <holdtime>
      holdtime
    </holdtime>
    <esis-esct>
      esis-esct
    </esis-esct>
    <esis-adjacency-count>
      esis-adjacency-count
    </esis-adjacency-count>
    <esis-interface-net>
      esis-interface-net
  </esis-interface>

```

```
</esis-interface-net>
</esis-interface>
</esis-interface-information>
```

#### Description

### <esis-interface-information>

#### Usage

```
<esis-interface-information>
  <esis-interface>....</esis-interface>
</esis-interface-information>
```

#### Description

### <esis-pdu-statistics>

#### Usage

```
<esis-pdu-statistics>
  <esis-pdu-type>
    esis-pdu-type
  </esis-pdu-type>
  <packets-received>
    packets-received
  </packets-received>
  <packets-processed>
    packets-processed
  </packets-processed>
  <packets-dropped>
    packets-dropped
  </packets-dropped>
  <packets-sent>
    packets-sent
  </packets-sent>
  <packets-retransmitted>
    packets-retransmitted
  </packets-retransmitted>
</esis-pdu-statistics>
```

#### Description

### <esis-pdu-statistics>

#### Usage

```
<esis-statistics-information>
  <esis-pdu-statistics>
    <esis-pdu-type>
      esis-pdu-type
    </esis-pdu-type>
    <packets-received>
      packets-received
    </packets-received>
    <packets-processed>
```

```

        packets-processed
      </packets-processed>
      <packets-dropped>
        packets-dropped
      </packets-dropped>
      <packets-sent>
        packets-sent
      </packets-sent>
      <packets-retransmitted>
        packets-retransmitted
      </packets-retransmitted>
    </esis-pdu-statistics>
  </esis-statistics-information>

```

#### Description

**<esis-statistics-information>**

#### Usage

```

<esis-statistics-information>
  <esis-pdu-statistics>....</esis-pdu-statistics>
  <esis-totals-information>....</esis-totals-information>
</esis-statistics-information>

```

#### Description

**<esis-totals-information>**

#### Usage

```

<esis-totals-information>
  <packets-received>
    packets-received
  </packets-received>
  <packets-sent>
    packets-sent
  </packets-sent>
</esis-totals-information>

```

#### Description

**<esis-totals-information>**

#### Usage

```

<esis-statistics-information>
  <esis-totals-information>
    <packets-received>
      packets-received
    </packets-received>
    <packets-sent>
      packets-sent
    </packets-sent>
  </esis-totals-information>

```

```
</esis-statistics-information>
```

**Description**

```
<everything>
```

**Usage**

```
<pim-statistics-information>
  <everything>
    <pim-statistics-global>....</pim-statistics-global>
    <pim-statistics-other>....</pim-statistics-other>
  </everything>
</pim-statistics-information>
```

**Description**

```
<explicit-route>
```

**Usage**

```
<rsvp-session-data>
  <rsvp-session>
    <explicit-route>
      <address>
        address
      </address>
      <explicit-route-type>
        explicit-route-type
      </explicit-route-type>
      <telink-id>
        telink-id
      </telink-id>
    </explicit-route>
  </rsvp-session>
</rsvp-session-data>
```

**Description**    Explicit Route Object (ERO)

```
<explicit-route>
```

**Usage**

```
<rsvp-session-data>
  <rsvp-session>
    <detour>
      <explicit-route>
        <address>
          address
        </address>
        <explicit-route-type>
          explicit-route-type
        </explicit-route-type>
        <telink-id>
          telink-id
        </telink-id>
      </explicit-route>
    </detour>
  </rsvp-session>
</rsvp-session-data>
```

```
</telink-id>
</explicit-route>
</detour>
</rsvp-session>
</rsvp-session-data>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<rsvp-session-data>
<rsvp-session>
<detour-branch>
<explicit-route>
<address>
  address
</address>
<explicit-route-type>
  explicit-route-type
</explicit-route-type>
<telink-id>
  telink-id
</telink-id>
</explicit-route>
</detour-branch>
</rsvp-session>
</rsvp-session-data>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<rsvp-session-data>
<rsvp-session>
<mpls-lsp>
<mpls-lsp-path>
<explicit-route>
<address>
  address
</address>
<explicit-route-type>
  explicit-route-type
</explicit-route-type>
<telink-id>
  telink-id
</telink-id>
</explicit-route>
</mpls-lsp-path>
</mpls-lsp>
</rsvp-session>
```

```
</rsvp-session-data>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<rsvp-session>
  <explicit-route>
    <address>
      address
    </address>
    <explicit-route-type>
      explicit-route-type
    </explicit-route-type>
    <telink-id>
      telink-id
    </telink-id>
  </explicit-route>
</rsvp-session>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<rsvp-session>
  <detour>
    <explicit-route>
      <address>
        address
      </address>
      <explicit-route-type>
        explicit-route-type
      </explicit-route-type>
      <telink-id>
        telink-id
      </telink-id>
    </explicit-route>
  </detour>
</rsvp-session>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<rsvp-session>
  <detour-branch>
    <explicit-route>
      <address>
```

```

        address
      </address>
    <explicit-route-type>
      explicit-route-type
    </explicit-route-type>
    <telink-id>
      telink-id
    </telink-id>
  </explicit-route>
</detour-branch>
</rsvp-session>

```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```

<rsvp-session>
  <mpls-lsp>
    <mpls-lsp-path>
      <explicit-route>
        <address>
          address
        </address>
        <explicit-route-type>
          explicit-route-type
        </explicit-route-type>
        <telink-id>
          telink-id
        </telink-id>
      </explicit-route>
    </mpls-lsp-path>
  </mpls-lsp>
</rsvp-session>

```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```

<detour>
  <explicit-route>
    <address>
      address
    </address>
    <explicit-route-type>
      explicit-route-type
    </explicit-route-type>
    <telink-id>
      telink-id
    </telink-id>
  </explicit-route>

```

```
</detour>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<detour-branch>
<explicit-route>
  <address>
    address
  </address>
  <explicit-route-type>
    explicit-route-type
  </explicit-route-type>
  <telink-id>
    telink-id
  </telink-id>
</explicit-route>
</detour-branch>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<rsvp-session-information>
<rsvp-session-data>
  <rsvp-session>
    <explicit-route>
      <address>
        address
      </address>
      <explicit-route-type>
        explicit-route-type
      </explicit-route-type>
      <telink-id>
        telink-id
      </telink-id>
    </explicit-route>
  </rsvp-session>
</rsvp-session-data>
</rsvp-session-information>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<rsvp-session-information>
<rsvp-session-data>
```



```

<rsvp-session>
  <detour>
    <explicit-route>
      <address>
        address
      </address>
      <explicit-route-type>
        explicit-route-type
      </explicit-route-type>
      <telink-id>
        telink-id
      </telink-id>
    </explicit-route>
  </detour>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>

```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```

<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <detour-branch>
        <explicit-route>
          <address>
            address
          </address>
          <explicit-route-type>
            explicit-route-type
          </explicit-route-type>
          <telink-id>
            telink-id
          </telink-id>
        </explicit-route>
      </detour-branch>
    </rsvp-session>
  </rsvp-session-data>
</rsvp-session-information>

```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```

<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>

```

```
<mpls-lsp-path>
  <explicit-route>
    <address>
      address
    </address>
    <explicit-route-type>
      explicit-route-type
    </explicit-route-type>
    <telink-id>
      telink-id
    </telink-id>
  </explicit-route>
</mpls-lsp-path>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<mpls-lsp-path>
  <explicit-route>
    <address>
      address
    </address>
    <explicit-route-type>
      explicit-route-type
    </explicit-route-type>
    <telink-id>
      telink-id
    </telink-id>
  </explicit-route>
</mpls-lsp-path>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<mpls-lsp>
  <mpls-lsp-path>
    <explicit-route>
      <address>
        address
      </address>
      <explicit-route-type>
        explicit-route-type
      </explicit-route-type>
      <telink-id>
```

```

        telink-id
      </telink-id>
    </explicit-route>
  </mpls-lsp-path>
</mpls-lsp>

```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```

<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <explicit-route>
        <address>
          address
        </address>
        <explicit-route-type>
          explicit-route-type
        </explicit-route-type>
        <telink-id>
          telink-id
        </telink-id>
      </explicit-route>
    </rsvp-session>
  </rsvp-session-data>
</mpls-lsp-information>

```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```

<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <detour>
        <explicit-route>
          <address>
            address
          </address>
          <explicit-route-type>
            explicit-route-type
          </explicit-route-type>
          <telink-id>
            telink-id
          </telink-id>
        </explicit-route>
      </detour>
    </rsvp-session>
  </rsvp-session-data>

```

```
</mpls-lsp-information>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <detour-branch>
        <explicit-route>
          <address>
            address
          </address>
          <explicit-route-type>
            explicit-route-type
          </explicit-route-type>
          <telink-id>
            telink-id
          </telink-id>
        </explicit-route>
      </detour-branch>
    </rsvp-session>
  </rsvp-session-data>
</mpls-lsp-information>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <mpls-lsp-path>
          <explicit-route>
            <address>
              address
            </address>
            <explicit-route-type>
              explicit-route-type
            </explicit-route-type>
            <telink-id>
              telink-id
            </telink-id>
          </explicit-route>
        </mpls-lsp-path>
      </mpls-lsp>
    </rsvp-session>
  </rsvp-session-data>
```

```
</mpls-lsp-information>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<mpls-restart-rsvp>
<explicit-route>
  <address>
    address
  </address>
  <explicit-route-type>
    explicit-route-type
  </explicit-route-type>
  <telink-id>
    telink-id
  </telink-id>
</explicit-route>
</mpls-restart-rsvp>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<mpls-restart-path>
<explicit-route>
  <address>
    address
  </address>
  <explicit-route-type>
    explicit-route-type
  </explicit-route-type>
  <telink-id>
    telink-id
  </telink-id>
</explicit-route>
</mpls-restart-path>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<mpls-restart-path>
<mpls-restart-rsvp>
<explicit-route>
  <address>
    address
  </address>
```

```
<explicit-route-type>
  explicit-route-type
</explicit-route-type>
<telink-id>
  telink-id
</telink-id>
</explicit-route>
</mpls-restart-rsvp>
</mpls-restart-path>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<mpls-restart-lsp>
<mpls-restart-path>
  <explicit-route>
    <address>
      address
    </address>
    <explicit-route-type>
      explicit-route-type
    </explicit-route-type>
    <telink-id>
      telink-id
    </telink-id>
  </explicit-route>
</mpls-restart-path>
</mpls-restart-lsp>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<mpls-restart-lsp>
<mpls-restart-path>
  <mpls-restart-rsvp>
    <explicit-route>
      <address>
        address
      </address>
      <explicit-route-type>
        explicit-route-type
      </explicit-route-type>
      <telink-id>
        telink-id
      </telink-id>
    </explicit-route>
  </mpls-restart-rsvp>
</mpls-restart-path>
```

```
</mpls-restart-lsp>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<mpls-restart-database-information>
  <mpls-restart-database>
    <mpls-restart-lsp>
      <mpls-restart-path>
        <explicit-route>
          <address>
            address
          </address>
          <explicit-route-type>
            explicit-route-type
          </explicit-route-type>
          <telink-id>
            telink-id
          </telink-id>
        </explicit-route>
      </mpls-restart-path>
    </mpls-restart-lsp>
  </mpls-restart-database>
</mpls-restart-database-information>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<mpls-restart-database-information>
  <mpls-restart-database>
    <mpls-restart-lsp>
      <mpls-restart-path>
        <mpls-restart-rsvp>
          <explicit-route>
            <address>
              address
            </address>
            <explicit-route-type>
              explicit-route-type
            </explicit-route-type>
            <telink-id>
              telink-id
            </telink-id>
          </explicit-route>
        </mpls-restart-rsvp>
      </mpls-restart-path>
    </mpls-restart-lsp>
  </mpls-restart-database>
```

</mpls-restart-database-information>

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<mpls-p2mp-restart-lsp>
  <mpls-restart-lsp>
    <mpls-restart-path>
      <explicit-route>
        <address>
          address
        </address>
        <explicit-route-type>
          explicit-route-type
        </explicit-route-type>
        <telink-id>
          telink-id
        </telink-id>
      </explicit-route>
    </mpls-restart-path>
  </mpls-restart-lsp>
</mpls-p2mp-restart-lsp>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<mpls-p2mp-restart-lsp>
  <mpls-restart-lsp>
    <mpls-restart-path>
      <mpls-restart-rsvp>
        <explicit-route>
          <address>
            address
          </address>
          <explicit-route-type>
            explicit-route-type
          </explicit-route-type>
          <telink-id>
            telink-id
          </telink-id>
        </explicit-route>
      </mpls-restart-rsvp>
    </mpls-restart-path>
  </mpls-restart-lsp>
</mpls-p2mp-restart-lsp>
```

**Description** Explicit Route Object (ERO)



**<explicit-route>****Usage**

```

<mpls-p2mp-restart-database-information>
  <mpls-p2mp-restart-database>
    <mpls-p2mp-restart-lsp>
      <mpls-restart-lsp>
        <mpls-restart-path>
          <explicit-route>
            <address>
              address
            </address>
            <explicit-route-type>
              explicit-route-type
            </explicit-route-type>
            <telink-id>
              telink-id
            </telink-id>
          </explicit-route>
        </mpls-restart-path>
      </mpls-restart-lsp>
    </mpls-p2mp-restart-lsp>
  </mpls-p2mp-restart-database>
</mpls-p2mp-restart-database-information>

```

**Description** Explicit Route Object (ERO)

**<explicit-route>****Usage**

```

<mpls-p2mp-restart-database-information>
  <mpls-p2mp-restart-database>
    <mpls-p2mp-restart-lsp>
      <mpls-restart-lsp>
        <mpls-restart-path>
          <mpls-restart-rsvp>
            <explicit-route>
              <address>
                address
              </address>
              <explicit-route-type>
                explicit-route-type
              </explicit-route-type>
              <telink-id>
                telink-id
              </telink-id>
            </explicit-route>
          </mpls-restart-rsvp>
        </mpls-restart-path>
      </mpls-restart-lsp>
    </mpls-p2mp-restart-lsp>
  </mpls-p2mp-restart-database>

```

```
</mpls-p2mp-restart-database-information>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<mpls-call-admission-control-information>
  <mpls-call-admission-control>
    <mpls-lsp>
      <mpls-lsp-path>
        <explicit-route>
          <address>
            address
          </address>
          <explicit-route-type>
            explicit-route-type
          </explicit-route-type>
          <telink-id>
            telink-id
          </telink-id>
        </explicit-route>
      </mpls-lsp-path>
    </mpls-lsp>
  </mpls-call-admission-control>
</mpls-call-admission-control-information>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<mpls-path-inst-repl>
  <explicit-route>
    <address>
      address
    </address>
    <explicit-route-type>
      explicit-route-type
    </explicit-route-type>
    <telink-id>
      telink-id
    </telink-id>
  </explicit-route>
</mpls-path-inst-repl>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<mpls-path-replication>
  <mpls-path-inst-repl>
    <explicit-route>
      <address>
        address
      </address>
      <explicit-route-type>
        explicit-route-type
      </explicit-route-type>
      <telink-id>
        telink-id
      </telink-id>
    </explicit-route>
  </mpls-path-inst-repl>
</mpls-path-replication>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<mpls-path-replication-information>
  <mpls-path-replication>
    <mpls-path-inst-repl>
      <explicit-route>
        <address>
          address
        </address>
        <explicit-route-type>
          explicit-route-type
        </explicit-route-type>
        <telink-id>
          telink-id
        </telink-id>
      </explicit-route>
    </mpls-path-inst-repl>
  </mpls-path-replication>
</mpls-path-replication-information>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<mpls-lsp-replication>
  <mpls-path-replication>
    <mpls-path-inst-repl>
      <explicit-route>
        <address>
```

```
        address
      </address>
    <explicit-route-type>
      explicit-route-type
    </explicit-route-type>
    <telink-id>
      telink-id
    </telink-id>
  </explicit-route>
</mpls-path-inst-repl>
</mpls-path-replication>
</mpls-lsp-replication>
```

**Description** Explicit Route Object (ERO)

### <explicit-route>

#### Usage

```
<mpls-lsp-replication-information>
  <mpls-lsp-replication>
    <mpls-path-replication>
      <mpls-path-inst-repl>
        <explicit-route>
          <address>
            address
          </address>
          <explicit-route-type>
            explicit-route-type
          </explicit-route-type>
          <telink-id>
            telink-id
          </telink-id>
        </explicit-route>
      </mpls-path-inst-repl>
    </mpls-path-replication>
  </mpls-lsp-replication>
</mpls-lsp-replication-information>
```

**Description** Explicit Route Object (ERO)

### <fabric-statistics>

#### Usage

```
<fabric-statistics>
  <vlan_add>
    vlan_add
  </vlan_add>
  <vlan_del>
    vlan_del
  </vlan_del>
  <vlan_chg>
    vlan_chg
```

```
</vlan_chg>
<l2domain_null_vlan>
  l2domain_null_vlan
</l2domain_null_vlan>
<fdb_add>
  fdb_add
</fdb_add>
<fdb_del>
  fdb_del
</fdb_del>
<fdb_no_vlan_idx>
  fdb_no_vlan_idx
</fdb_no_vlan_idx>
<eswd_nh_notify_fail_ifl>
  eswd_nh_notify_fail_ifl
</eswd_nh_notify_fail_ifl>
<eswd_nh_notify_fail_iff>
  eswd_nh_notify_fail_iff
</eswd_nh_notify_fail_iff>
<bridge_rt_add>
  bridge_rt_add
</bridge_rt_add>
<bridge_rt_chg>
  bridge_rt_chg
</bridge_rt_chg>
<bridge_rt_del>
  bridge_rt_del
</bridge_rt_del>
<bridge_rt_del_not_found>
  bridge_rt_del_not_found
</bridge_rt_del_not_found>
<bridge_rt_add_no_snpa>
  bridge_rt_add_no_snpa
</bridge_rt_add_no_snpa>
<bridge_rt_add_force_updates>
  bridge_rt_add_force_updates
</bridge_rt_add_force_updates>
<mstp_rt_add>
  mstp_rt_add
</mstp_rt_add>
<mstp_rt_chg>
  mstp_rt_chg
</mstp_rt_chg>
<mstp_rt_del>
  mstp_rt_del
</mstp_rt_del>
<mstp_rt_del_not_found>
  mstp_rt_del_not_found
</mstp_rt_del_not_found>
<ext_rt_add>
  ext_rt_add
</ext_rt_add>
<ext_rt_chg>
  ext_rt_chg
</ext_rt_chg>
<ext_rt_del>
```

```
    ext_rt_del
  </ext_rt_del>
  <ext_rt_del_not_found>
    ext_rt_del_not_found
  </ext_rt_del_not_found>
  <grat_timer_no_l2domain>
    grat_timer_no_l2domain
  </grat_timer_no_l2domain>
  <grat_local_arp>
    grat_local_arp
  </grat_local_arp>
  <grat_send_no_l2domain>
    grat_send_no_l2domain
  </grat_send_no_l2domain>
  <grat_send_fail>
    grat_send_fail
  </grat_send_fail>
  <grat_send_ok>
    grat_send_ok
  </grat_send_ok>
  <mac_event_grat_timer_started>
    mac_event_grat_timer_started
  </mac_event_grat_timer_started>
  <mac_event_grat_timer_stopped>
    mac_event_grat_timer_stopped
  </mac_event_grat_timer_stopped>
  <rem_arp_grat_timer_started>
    rem_arp_grat_timer_started
  </rem_arp_grat_timer_started>
  <rem_arp_grat_timer_stopped>
    rem_arp_grat_timer_stopped
  </rem_arp_grat_timer_stopped>
  <rem_arp_no_mac_ip>
    rem_arp_no_mac_ip
  </rem_arp_no_mac_ip>
  <rem_arp_add_no_l2domain>
    rem_arp_add_no_l2domain
  </rem_arp_add_no_l2domain>
  <rem_arp_del_no_l2domain>
    rem_arp_del_no_l2domain
  </rem_arp_del_no_l2domain>
  <local_arp_grat_timer_stopped>
    local_arp_grat_timer_stopped
  </local_arp_grat_timer_stopped>
  <rem_arp_del_no_mac_ip>
    rem_arp_del_no_mac_ip
  </rem_arp_del_no_mac_ip>
  <rem_arp_del_no_tsi>
    rem_arp_del_no_tsi
  </rem_arp_del_no_tsi>
  <l2l3map_rt_add>
    l2l3map_rt_add
  </l2l3map_rt_add>
  <l2l3map_rt_del>
    l2l3map_rt_del
  </l2l3map_rt_del>
```

```
<l2l3map_rt_del_not_found>
  l2l3map_rt_del_not_found
</l2l3map_rt_del_not_found>
<ifd_notifications>
  ifd_notifications
</ifd_notifications>
<ifd_rt_add>
  ifd_rt_add
</ifd_rt_add>
<ifd_rt_chg>
  ifd_rt_chg
</ifd_rt_chg>
<ifd_rt_del>
  ifd_rt_del
</ifd_rt_del>
<ifd_rt_del_not_found>
  ifd_rt_del_not_found
</ifd_rt_del_not_found>
<ip_rt_add>
  ip_rt_add
</ip_rt_add>
<ip_rt_add_no_nh>
  ip_rt_add_no_nh
</ip_rt_add_no_nh>
<ip_rt_add_no_snpa>
  ip_rt_add_no_snpa
</ip_rt_add_no_snpa>
<ip_rt_add_unsupp_inst>
  ip_rt_add_unsupp_inst
</ip_rt_add_unsupp_inst>
<ip_rt_chg>
  ip_rt_chg
</ip_rt_chg>
<ip_rt_del>
  ip_rt_del
</ip_rt_del>
<ip_rt_del_not_found>
  ip_rt_del_not_found
</ip_rt_del_not_found>
<inh_rt_add>
  inh_rt_add
</inh_rt_add>
<inh_rt_add_no_fnh>
  inh_rt_add_no_fnh
</inh_rt_add_no_fnh>
<inh_rt_add_no_snpa>
  inh_rt_add_no_snpa
</inh_rt_add_no_snpa>
<inh_rt_add_unsupp_inst>
  inh_rt_add_unsupp_inst
</inh_rt_add_unsupp_inst>
<inh_rt_chg>
  inh_rt_chg
</inh_rt_chg>
<inh_rt_del>
  inh_rt_del
```

```
</inh_rt_del>
<inh_rt_del_not_found>
  inh_rt_del_not_found
</inh_rt_del_not_found>
<arp_rt_add>
  arp_rt_add
</arp_rt_add>
<arp_rt_add_no_snpa>
  arp_rt_add_no_snpa
</arp_rt_add_no_snpa>
<arp_rt_chg>
  arp_rt_chg
</arp_rt_chg>
<arp_nh_null_addr>
  arp_nh_null_addr
</arp_nh_null_addr>
<arp_rt_del>
  arp_rt_del
</arp_rt_del>
<arp_rt_del_no_krtt>
  arp_rt_del_no_krtt
</arp_rt_del_no_krtt>
<arp_rt_del_not_found>
  arp_rt_del_not_found
</arp_rt_del_not_found>
<bridge_inh_no_msti>
  bridge_inh_no_msti
</bridge_inh_no_msti>
<bridge_inh_del_no_msti>
  bridge_inh_del_no_msti
</bridge_inh_del_no_msti>
<rt_inst_add>
  rt_inst_add
</rt_inst_add>
<rt_inst_no_l3domain_tlv>
  rt_inst_no_l3domain_tlv
</rt_inst_no_l3domain_tlv>
<rt_inst_null_l3domain>
  rt_inst_null_l3domain
</rt_inst_null_l3domain>
<rt_inst_del>
  rt_inst_del
</rt_inst_del>
<rt_inst_del_ignore>
  rt_inst_del_ignore
</rt_inst_del_ignore>
</fabric-statistics>
```

#### Description

<fabric-summary-information>

#### Usage

```
<fabric-summary-information>
  <autonomous-system>
```



```

    autonomous-system
  </autonomous-system>
  <ine-id>
    ine-id
  </ine-id>
  <ine-type>
    ine-type
  </ine-type>
  <simulation-mode>
    simulation-mode
  </simulation-mode>
</fabric-summary-information>

```

#### Description

#### <fdep-depnode>

##### Usage

```

<fdep-depnode>
  <dep-rtnode-prefix>
    dep-rtnode-prefix
  </dep-rtnode-prefix>
  <dep-rtnode-prefixlen>
    dep-rtnode-prefixlen
  </dep-rtnode-prefixlen>
  <dep-entries>
    dep-entries
  </dep-entries>
  <dep-active>
    dep-active
  </dep-active>
  <dep-flags>
    dep-flags
  </dep-flags>
</fdep-depnode>

```

#### Description

#### <fdep-depnode>

##### Usage

```

<rtflow-dep-information>
  <rtflow-dep-table>
    <fdep-node>
      <fdep-depnode>
        <dep-rtnode-prefix>
          dep-rtnode-prefix
        </dep-rtnode-prefix>
        <dep-rtnode-prefixlen>
          dep-rtnode-prefixlen
        </dep-rtnode-prefixlen>
        <dep-entries>
          dep-entries
        </dep-entries>
      </fdep-node>
    </rtflow-dep-table>
  </rtflow-dep-information>

```

```
<dep-active>
  dep-active
</dep-active>
<dep-flags>
  dep-flags
</dep-flags>
</fdep-depnode>
</fdep-node>
</rtflow-dep-table>
</rtflow-dep-information>
```

## Description

### <fdep-inode>

#### Usage

```
<fdep-inode>
  <fdep-inode-color>
    fdep-inode-color
  </fdep-inode-color>
  <fdep-inode-consist>
    fdep-inode-consist
  </fdep-inode-consist>
  <fdep-inode-asn>
    fdep-inode-asn
  </fdep-inode-asn>
</fdep-inode>
```

## Description

### <fdep-inode>

#### Usage

```
<rtflow-dep-information>
  <rtflow-dep-table>
    <fdep-node>
      <fdep-inode>
        <fdep-inode-color>
          fdep-inode-color
        </fdep-inode-color>
        <fdep-inode-consist>
          fdep-inode-consist
        </fdep-inode-consist>
        <fdep-inode-asn>
          fdep-inode-asn
        </fdep-inode-asn>
      </fdep-inode>
    </fdep-node>
  </rtflow-dep-table>
</rtflow-dep-information>
```

## Description

## <fdep-node>

### Usage

```

<rtflow-dep-information>
  <rtflow-dep-table>
    <fdep-node>
      <fdep-destination>
        fdep-destination
      </fdep-destination>
      <fdep-prefixlen>
        fdep-prefixlen
      </fdep-prefixlen>
      <fdep-inode>....</fdep-inode>
      <fdep-rtnode>....</fdep-rtnode>
      <fdep-depnodel>....</fdep-depnodel>
    </fdep-node>
  </rtflow-dep-table>
</rtflow-dep-information>

```

### Description

## <fdep-rtnode>

### Usage

```

<fdep-rtnode>
  <rtnode-state>
    rtnode-state
  </rtnode-state>
  <rtnode-refcount>
    rtnode-refcount
  </rtnode-refcount>
  <rtnode-origin>
    rtnode-origin
  </rtnode-origin>
  <rtnode-next-as>
    rtnode-next-as
  </rtnode-next-as>
  <rtnode-flags>
    rtnode-flags
  </rtnode-flags>
</fdep-rtnode>

```

**Description** Entry that corresponding to a unicast route that is being tracked

## <fdep-rtnode>

### Usage

```

<rtflow-dep-information>
  <rtflow-dep-table>
    <fdep-node>
      <fdep-rtnode>
        <rtnode-state>
          rtnode-state

```

```
</rtnode-state>
<rtnode-refcount>
  rtnode-refcount
</rtnode-refcount>
<rtnode-origin>
  rtnode-origin
</rtnode-origin>
<rtnode-next-as>
  rtnode-next-as
</rtnode-next-as>
<rtnode-flags>
  rtnode-flags
</rtnode-flags>
</fdep-rtnode>
</fdep-node>
</rtflow-dep-table>
</rtflow-dep-information>
```

**Description** Entry that corresponding to a unicast route that is being tracked

### <flow-ucast-rt>

#### Usage

```
<route-information>
<route-table>
<rt>
  <rt-entry>
    <rtd-flow-dep>
      <flow-ucast-rt>
        <flow-rtn-dest>
          flow-rtn-dest
        </flow-rtn-dest>
        <flow-rtn-plen>
          flow-rtn-plen
        </flow-rtn-plen>
        <flow-rtn-state>
          flow-rtn-state
        </flow-rtn-state>
      </flow-ucast-rt>
    </rtd-flow-dep>
  </rt-entry>
</rt>
</route-table>
</route-information>
```

**Description** Unicast route used for resolution

### <flow-ucast-rt>

#### Usage

```
<route-summary-information>
<route-table>
```

```

<rt>
  <rt-entry>
    <rtd-flow-dep>
      <flow-ucast-rt>
        <flow-rtn-dest>
          flow-rtn-dest
        </flow-rtn-dest>
        <flow-rtn-plen>
          flow-rtn-plen
        </flow-rtn-plen>
        <flow-rtn-state>
          flow-rtn-state
        </flow-rtn-state>
      </flow-ucast-rt>
    </rtd-flow-dep>
  </rt-entry>
</rt>
</route-table>
</route-summary-information>

```

**Description** Unicast route used for resolution

## <hagr-keychain>

### Usage

```

<hagr-keychain>
  <hagr-keychain-name>
    hagr-keychain-name
  </hagr-keychain-name>
  <hagr-keychain-active-send-key>
    hagr-keychain-active-send-key
  </hagr-keychain-active-send-key>
  <hagr-keychain-active-receive-key>
    hagr-keychain-active-receive-key
  </hagr-keychain-active-receive-key>
  <hagr-keychain-next-send-key>
    hagr-keychain-next-send-key
  </hagr-keychain-next-send-key>
  <hagr-keychain-next-receive-key>
    hagr-keychain-next-receive-key
  </hagr-keychain-next-receive-key>
  <hagr-keychain-next-key-time>
    hagr-keychain-next-key-time
  </hagr-keychain-next-key-time>
  <hagr-keychain-tolerance>
    hagr-keychain-tolerance
  </hagr-keychain-tolerance>
  <hagr-sa-clients>
    hagr-sa-clients
  </hagr-sa-clients>
  <hagr-keys>....</hagr-keys>
</hagr-keychain>

```

**Description** Information about Keychain

### <hkr-keychain>

**Usage**

```
<hkr-keychain-information>
  <hkr-keychain>
    <hkr-keychain-name>
      hkr-keychain-name
    </hkr-keychain-name>
    <hkr-keychain-active-send-key>
      hkr-keychain-active-send-key
    </hkr-keychain-active-send-key>
    <hkr-keychain-active-receive-key>
      hkr-keychain-active-receive-key
    </hkr-keychain-active-receive-key>
    <hkr-keychain-next-send-key>
      hkr-keychain-next-send-key
    </hkr-keychain-next-send-key>
    <hkr-keychain-next-receive-key>
      hkr-keychain-next-receive-key
    </hkr-keychain-next-receive-key>
    <hkr-keychain-next-key-time>
      hkr-keychain-next-key-time
    </hkr-keychain-next-key-time>
    <hkr-keychain-tolerance>
      hkr-keychain-tolerance
    </hkr-keychain-tolerance>
    <hkr-sa-clients>
      hkr-sa-clients
    </hkr-sa-clients>
    <hkr-keys>....</hkr-keys>
  </hkr-keychain>
</hkr-keychain-information>
```

**Description** Information about Keychain

### <hkr-keychain-information>

**Usage**

```
<hkr-keychain-information>
  <hkr-keychain>....</hkr-keychain>
  <hkr-keys>....</hkr-keys>
</hkr-keychain-information>
```

**Description**

### <hkr-keys>

**Usage**

```
<hkr-keychain>
  <hkr-keys>
    <hkr-key-id>
```

```

    hkr-key-id
  </hkr-key-id>
  <hkr-key-secret>
    hkr-key-secret
  </hkr-key-secret>
  <hkr-key-algorithm>
    hkr-key-algorithm
  </hkr-key-algorithm>
  <hkr-key-mode>
    hkr-key-mode
  </hkr-key-mode>
  <hkr-key-state>
    hkr-key-state
  </hkr-key-state>
  <hkr-key-options>
    hkr-key-options
  </hkr-key-options>
  <hkr-key-start-time>
    hkr-key-start-time
  </hkr-key-start-time>
</hkr-keys>
</hkr-keychain>

```

**Description** Information about the clients

## <hkr-keys>

### Usage

```

<hkr-keychain-information>
<hkr-keychain>
  <hkr-keys>
    <hkr-key-id>
      hkr-key-id
    </hkr-key-id>
    <hkr-key-secret>
      hkr-key-secret
    </hkr-key-secret>
    <hkr-key-algorithm>
      hkr-key-algorithm
    </hkr-key-algorithm>
    <hkr-key-mode>
      hkr-key-mode
    </hkr-key-mode>
    <hkr-key-state>
      hkr-key-state
    </hkr-key-state>
    <hkr-key-options>
      hkr-key-options
    </hkr-key-options>
    <hkr-key-start-time>
      hkr-key-start-time
    </hkr-key-start-time>
  </hkr-keys>
</hkr-keychain>

```

```
</hagr-keychain-information>
```

**Description** Information about the clients

### <hagr-keys>

#### Usage

```
<hagr-keychain-information>
  <hagr-keys>
    <hagr-key-id>
      hagr-key-id
    </hagr-key-id>
    <hagr-key-secret>
      hagr-key-secret
    </hagr-key-secret>
    <hagr-key-algorithm>
      hagr-key-algorithm
    </hagr-key-algorithm>
    <hagr-key-mode>
      hagr-key-mode
    </hagr-key-mode>
    <hagr-key-state>
      hagr-key-state
    </hagr-key-state>
    <hagr-key-options>
      hagr-key-options
    </hagr-key-options>
    <hagr-key-start-time>
      hagr-key-start-time
    </hagr-key-start-time>
  </hagr-keys>
</hagr-keychain-information>
```

**Description** Information about the clients

### <history>

#### Usage

```
<connection>
  <history>
    <log-time-stamp>
      log-time-stamp
    </log-time-stamp>
    <log-event>
      log-event
    </log-event>
    <changed-entity>
      changed-entity
    </changed-entity>
  </history>
</connection>
```



**Description**

&lt;history&gt;

**Usage**

```
<mesh-group-connection>
  <connection>
    <history>
      <log-time-stamp>
        log-time-stamp
      </log-time-stamp>
      <log-event>
        log-event
      </log-event>
      <changed-entity>
        changed-entity
      </changed-entity>
    </history>
  </connection>
</mesh-group-connection>
```

**Description**

&lt;history&gt;

**Usage**

```
<instance>
  <reference-site>
    <connection>
      <history>
        <log-time-stamp>
          log-time-stamp
        </log-time-stamp>
        <log-event>
          log-event
        </log-event>
        <changed-entity>
          changed-entity
        </changed-entity>
      </history>
    </connection>
  </reference-site>
</instance>
```

**Description**

&lt;history&gt;

**Usage**

```
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <history>
```

```
<log-time-stamp>
  log-time-stamp
</log-time-stamp>
<log-event>
  log-event
</log-event>
<changed-entity>
  changed-entity
</changed-entity>
</history>
</connection>
</mesh-group-connection>
</reference-site>
</instance>
```

#### Description

<history>

#### Usage

```
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <history>
        <log-time-stamp>
          log-time-stamp
        </log-time-stamp>
        <log-event>
          log-event
        </log-event>
        <changed-entity>
          changed-entity
        </changed-entity>
      </history>
    </connection>
  </ldp-vpls-reference-site>
</instance>
```

#### Description

<history>

#### Usage

```
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <history>
          <log-time-stamp>
            log-time-stamp
          </log-time-stamp>
          <log-event>
            log-event
          </log-event>
        </history>
      </connection>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>
```

```

    <changed-entity>
      changed-entity
    </changed-entity>
  </history>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>

```

#### Description

#### <history>

#### Usage

```

<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <history>
          <log-time-stamp>
            log-time-stamp
          </log-time-stamp>
          <log-event>
            log-event
          </log-event>
          <changed-entity>
            changed-entity
          </changed-entity>
        </history>
      </connection>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>

```

#### Description

#### <history>

#### Usage

```

<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <history>
          <log-time-stamp>
            log-time-stamp
          </log-time-stamp>
          <log-event>
            log-event
          </log-event>
          <changed-entity>
            changed-entity
          </changed-entity>
        </history>
      </connection>
    </reference-site>
  </vpls-protocol-state>
</instance>

```

```
</connection>
</reference-site>
</vpls-protocol-state>
</instance>
```

#### Description

<history>

#### Usage

```
<instance>
<vpls-protocol-state>
<reference-site>
<mesh-group-connection>
<connection>
<history>
<log-time-stamp>
  log-time-stamp
</log-time-stamp>
<log-event>
  log-event
</log-event>
<changed-entity>
  changed-entity
</changed-entity>
</history>
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
```

#### Description

<history>

#### Usage

```
<l2vpn-connection-information>
<instance>
<reference-site>
<connection>
<history>
<log-time-stamp>
  log-time-stamp
</log-time-stamp>
<log-event>
  log-event
</log-event>
<changed-entity>
  changed-entity
</changed-entity>
</history>
</connection>
</reference-site>
```

```

</instance>
</l2vpn-connection-information>

```

#### Description

<history>

#### Usage

```

<l2vpn-connection-information>
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <history>
          <log-time-stamp>
            log-time-stamp
          </log-time-stamp>
          <log-event>
            log-event
          </log-event>
          <changed-entity>
            changed-entity
          </changed-entity>
        </history>
      </connection>
    </mesh-group-connection>
  </reference-site>
</instance>
</l2vpn-connection-information>

```

#### Description

<history>

#### Usage

```

<l2vpn-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <history>
        <log-time-stamp>
          log-time-stamp
        </log-time-stamp>
        <log-event>
          log-event
        </log-event>
        <changed-entity>
          changed-entity
        </changed-entity>
      </history>
    </connection>
  </ldp-vpls-reference-site>
</instance>

```

</l2vpn-connection-information>

#### Description

<history>

#### Usage

```
<l2vpn-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <history>
            <log-time-stamp>
              log-time-stamp
            </log-time-stamp>
            <log-event>
              log-event
            </log-event>
            <changed-entity>
              changed-entity
            </changed-entity>
          </history>
        </connection>
      </mesh-group-connection>
    </ldp-vpls-reference-site>
  </instance>
</l2vpn-connection-information>
```

#### Description

<history>

#### Usage

```
<l2vpn-connection-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <history>
            <log-time-stamp>
              log-time-stamp
            </log-time-stamp>
            <log-event>
              log-event
            </log-event>
            <changed-entity>
              changed-entity
            </changed-entity>
          </history>
        </connection>
      </mesh-group-connection>
    </vpls-protocol-state>
  </instance>
```

```
</l2vpn-connection-information>
```

#### Description

**<history>**

#### Usage

```
<l2vpn-connection-information>
  <instance>
    <vppls-protocol-state>
      <reference-site>
        <connection>
          <history>
            <log-time-stamp>
              log-time-stamp
            </log-time-stamp>
            <log-event>
              log-event
            </log-event>
            <changed-entity>
              changed-entity
            </changed-entity>
          </history>
        </connection>
      </reference-site>
    </vppls-protocol-state>
  </instance>
</l2vpn-connection-information>
```

#### Description

**<history>**

#### Usage

```
<l2vpn-connection-information>
  <instance>
    <vppls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <history>
              <log-time-stamp>
                log-time-stamp
              </log-time-stamp>
              <log-event>
                log-event
              </log-event>
              <changed-entity>
                changed-entity
              </changed-entity>
            </history>
          </connection>
        </mesh-group-connection>
      </reference-site>
```

```
</vpls-protocol-state>
</instance>
</l2vpn-connection-information>
```

#### Description

<history>

#### Usage

```
<vpls-connection-information>
<instance>
  <reference-site>
    <connection>
      <history>
        <log-time-stamp>
          log-time-stamp
        </log-time-stamp>
        <log-event>
          log-event
        </log-event>
        <changed-entity>
          changed-entity
        </changed-entity>
      </history>
    </connection>
  </reference-site>
</instance>
</vpls-connection-information>
```

#### Description

<history>

#### Usage

```
<vpls-connection-information>
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <history>
          <log-time-stamp>
            log-time-stamp
          </log-time-stamp>
          <log-event>
            log-event
          </log-event>
          <changed-entity>
            changed-entity
          </changed-entity>
        </history>
      </connection>
    </mesh-group-connection>
  </reference-site>
</instance>
```



```
</vpls-connection-information>
```

## Description

<history>

## Usage

```
<vpls-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <history>
        <log-time-stamp>
          log-time-stamp
        </log-time-stamp>
        <log-event>
          log-event
        </log-event>
        <changed-entity>
          changed-entity
        </changed-entity>
      </history>
    </connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-connection-information>
```

## Description

<history>

## Usage

```
<vpls-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <history>
          <log-time-stamp>
            log-time-stamp
          </log-time-stamp>
          <log-event>
            log-event
          </log-event>
          <changed-entity>
            changed-entity
          </changed-entity>
        </history>
      </connection>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-connection-information>
```

**Description**

## &lt;history&gt;

**Usage**

```
<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <history>
            <log-time-stamp>
              log-time-stamp
            </log-time-stamp>
            <log-event>
              log-event
            </log-event>
            <changed-entity>
              changed-entity
            </changed-entity>
          </history>
        </connection>
      </mesh-group-connection>
    </vpls-protocol-state>
  </instance>
</vpls-connection-information>
```

**Description**

## &lt;history&gt;

**Usage**

```
<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <history>
            <log-time-stamp>
              log-time-stamp
            </log-time-stamp>
            <log-event>
              log-event
            </log-event>
            <changed-entity>
              changed-entity
            </changed-entity>
          </history>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-connection-information>
```

## Description

## &lt;history&gt;

## Usage

```

<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <history>
              <log-time-stamp>
                log-time-stamp
              </log-time-stamp>
              <log-event>
                log-event
              </log-event>
              <changed-entity>
                changed-entity
              </changed-entity>
            </history>
          </connection>
        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-connection-information>

```

## Description

## &lt;history&gt;

## Usage

```

<vpls-statistics-information>
  <instance>
    <reference-site>
      <connection>
        <history>
          <log-time-stamp>
            log-time-stamp
          </log-time-stamp>
          <log-event>
            log-event
          </log-event>
          <changed-entity>
            changed-entity
          </changed-entity>
        </history>
      </connection>
    </reference-site>
  </instance>
</vpls-statistics-information>

```

**Description****<history>****Usage**

```
<vpls-statistics-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <history>
            <log-time-stamp>
              log-time-stamp
            </log-time-stamp>
            <log-event>
              log-event
            </log-event>
            <changed-entity>
              changed-entity
            </changed-entity>
          </history>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>
</vpls-statistics-information>
```

**Description****<history>****Usage**

```
<vpls-statistics-information>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <history>
          <log-time-stamp>
            log-time-stamp
          </log-time-stamp>
          <log-event>
            log-event
          </log-event>
          <changed-entity>
            changed-entity
          </changed-entity>
        </history>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-statistics-information>
```

**Description**

**<history>****Usage**

```

<vpls-statistics-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <history>
            <log-time-stamp>
              log-time-stamp
            </log-time-stamp>
            <log-event>
              log-event
            </log-event>
            <changed-entity>
              changed-entity
            </changed-entity>
          </history>
        </connection>
      </mesh-group-connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-statistics-information>

```

**Description****<history>****Usage**

```

<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <history>
            <log-time-stamp>
              log-time-stamp
            </log-time-stamp>
            <log-event>
              log-event
            </log-event>
            <changed-entity>
              changed-entity
            </changed-entity>
          </history>
        </connection>
      </mesh-group-connection>
    </vpls-protocol-state>
  </instance>
</vpls-statistics-information>

```

**Description**

## <history>

### Usage

```
<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <history>
            <log-time-stamp>
              log-time-stamp
            </log-time-stamp>
            <log-event>
              log-event
            </log-event>
            <changed-entity>
              changed-entity
            </changed-entity>
          </history>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-statistics-information>
```

### Description

## <history>

### Usage

```
<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <history>
              <log-time-stamp>
                log-time-stamp
              </log-time-stamp>
              <log-event>
                log-event
              </log-event>
              <changed-entity>
                changed-entity
              </changed-entity>
            </history>
          </connection>
        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-statistics-information>
```

**Description****<history>****Usage**

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <connection>
        <history>
          <log-time-stamp>
            log-time-stamp
          </log-time-stamp>
          <log-event>
            log-event
          </log-event>
          <changed-entity>
            changed-entity
          </changed-entity>
        </history>
      </connection>
    </reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

**Description****<history>****Usage**

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <history>
            <log-time-stamp>
              log-time-stamp
            </log-time-stamp>
            <log-event>
              log-event
            </log-event>
            <changed-entity>
              changed-entity
            </changed-entity>
          </history>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

**Description**

## <history>

### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <history>
        <log-time-stamp>
          log-time-stamp
        </log-time-stamp>
        <log-event>
          log-event
        </log-event>
        <changed-entity>
          changed-entity
        </changed-entity>
      </history>
    </connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

### Description

## <history>

### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <history>
          <log-time-stamp>
            log-time-stamp
          </log-time-stamp>
          <log-event>
            log-event
          </log-event>
          <changed-entity>
            changed-entity
          </changed-entity>
        </history>
      </connection>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

### Description



**<history>****Usage**

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <history>
            <log-time-stamp>
              log-time-stamp
            </log-time-stamp>
            <log-event>
              log-event
            </log-event>
            <changed-entity>
              changed-entity
            </changed-entity>
          </history>
        </connection>
      </mesh-group-connection>
    </vpls-protocol-state>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

**Description****<history>****Usage**

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <history>
            <log-time-stamp>
              log-time-stamp
            </log-time-stamp>
            <log-event>
              log-event
            </log-event>
            <changed-entity>
              changed-entity
            </changed-entity>
          </history>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

**Description**

## <history>

### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <history>
              <log-time-stamp>
                log-time-stamp
              </log-time-stamp>
              <log-event>
                log-event
              </log-event>
              <changed-entity>
                changed-entity
              </changed-entity>
            </history>
          </connection>
        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

### Description

## <history>

### Usage

```
<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <reference-site>
        <connection>
          <history>
            <log-time-stamp>
              log-time-stamp
            </log-time-stamp>
            <log-event>
              log-event
            </log-event>
            <changed-entity>
              changed-entity
            </changed-entity>
          </history>
        </connection>
      </reference-site>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

## Description

## &lt;history&gt;

## Usage

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <history>
            <log-time-stamp>
              log-time-stamp
            </log-time-stamp>
            <log-event>
              log-event
            </log-event>
            <changed-entity>
              changed-entity
            </changed-entity>
          </history>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

## Description

## &lt;history&gt;

## Usage

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <history>
          <log-time-stamp>
            log-time-stamp
          </log-time-stamp>
          <log-event>
            log-event
          </log-event>
          <changed-entity>
            changed-entity
          </changed-entity>
        </history>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

```
</vpls-dynamic-interface-repository-information>
```

#### Description

#### <history>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <history>
            <log-time-stamp>
              log-time-stamp
            </log-time-stamp>
            <log-event>
              log-event
            </log-event>
            <changed-entity>
              changed-entity
            </changed-entity>
          </history>
        </connection>
      </mesh-group-connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

#### Description

#### <history>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <history>
            <log-time-stamp>
              log-time-stamp
            </log-time-stamp>
            <log-event>
              log-event
            </log-event>
            <changed-entity>
              changed-entity
            </changed-entity>
          </history>
        </connection>
```

```

        </mesh-group-connection>
      </vpls-protocol-state>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

## Description

### <history>

## Usage

```

<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <vpls-protocol-state>
        <reference-site>
          <connection>
            <history>
              <log-time-stamp>
                log-time-stamp
              </log-time-stamp>
              <log-event>
                log-event
              </log-event>
              <changed-entity>
                changed-entity
              </changed-entity>
            </history>
          </connection>
        </reference-site>
      </vpls-protocol-state>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

## Description

### <history>

## Usage

```

<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <vpls-protocol-state>
        <reference-site>
          <mesh-group-connection>
            <connection>
              <history>
                <log-time-stamp>
                  log-time-stamp
                </log-time-stamp>
                <log-event>
                  log-event
                </log-event>
              </history>
            </connection>
          </mesh-group-connection>
        </reference-site>
      </vpls-protocol-state>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

```
<changed-entity>
  changed-entity
</changed-entity>
</history>
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

#### Description

#### <history>

#### Usage

```
<l2circuit-connection-information>
<l2circuit-neighbor>
<connection>
  <history>
    <log-time-stamp>
      log-time-stamp
    </log-time-stamp>
    <log-event>
      log-event
    </log-event>
    <changed-entity>
      changed-entity
    </changed-entity>
  </history>
</connection>
</l2circuit-neighbor>
</l2circuit-connection-information>
```

#### Description

#### <history>

#### Usage

```
<mvpn-instance-information>
<instance>
<reference-site>
<connection>
  <history>
    <log-time-stamp>
      log-time-stamp
    </log-time-stamp>
    <log-event>
      log-event
    </log-event>
    <changed-entity>
      changed-entity
    </changed-entity>
```

```

    </history>
  </connection>
</reference-site>
</instance>
</mvpn-instance-information>

```

## Description

### <history>

## Usage

```

<mvpn-instance-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <history>
            <log-time-stamp>
              log-time-stamp
            </log-time-stamp>
            <log-event>
              log-event
            </log-event>
            <changed-entity>
              changed-entity
            </changed-entity>
          </history>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>
</mvpn-instance-information>

```

## Description

### <history>

## Usage

```

<mvpn-instance-information>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <history>
          <log-time-stamp>
            log-time-stamp
          </log-time-stamp>
          <log-event>
            log-event
          </log-event>
          <changed-entity>
            changed-entity
          </changed-entity>
        </history>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</mvpn-instance-information>

```

```
</ldp-vpls-reference-site>
</instance>
</mvpn-instance-information>
```

#### Description

#### <history>

#### Usage

```
<mvpn-instance-information>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <history>
          <log-time-stamp>
            log-time-stamp
          </log-time-stamp>
          <log-event>
            log-event
          </log-event>
          <changed-entity>
            changed-entity
          </changed-entity>
        </history>
      </connection>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>
</mvpn-instance-information>
```

#### Description

#### <history>

#### Usage

```
<mvpn-instance-information>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <history>
          <log-time-stamp>
            log-time-stamp
          </log-time-stamp>
          <log-event>
            log-event
          </log-event>
          <changed-entity>
            changed-entity
          </changed-entity>
        </history>
      </connection>
    </mesh-group-connection>
```



```

    </vpls-protocol-state>
  </instance>
</mvpn-instance-information>

```

#### Description

<history>

#### Usage

```

<mvpn-instance-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <history>
            <log-time-stamp>
              log-time-stamp
            </log-time-stamp>
            <log-event>
              log-event
            </log-event>
            <changed-entity>
              changed-entity
            </changed-entity>
          </history>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</mvpn-instance-information>

```

#### Description

<history>

#### Usage

```

<mvpn-instance-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <history>
              <log-time-stamp>
                log-time-stamp
              </log-time-stamp>
              <log-event>
                log-event
              </log-event>
              <changed-entity>
                changed-entity
              </changed-entity>
            </history>
          </connection>
        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</mvpn-instance-information>

```

```
    </mesh-group-connection>
  </reference-site>
</vpls-protocol-state>
</instance>
</mvpn-instance-information>
```

#### Description

### <host-record>

#### Usage

```
<mgm-interface-groups>
  <mgm-group>
    <host-record>
      <record-type>
        record-type
      </record-type>
      <receiver>
        receiver
      </receiver>
      <record-timeout>
        record-timeout
      </record-timeout>
    </host-record>
  </mgm-group>
</mgm-interface-groups>
```

#### Description

### <host-record>

#### Usage

```
<igmp-group-information>
  <mgm-interface-groups>
    <mgm-group>
      <host-record>
        <record-type>
          record-type
        </record-type>
        <receiver>
          receiver
        </receiver>
        <record-timeout>
          record-timeout
        </record-timeout>
      </host-record>
    </mgm-group>
  </mgm-interface-groups>
</igmp-group-information>
```

#### Description

**<host-record>****Usage**

```

<mld-group-information>
  <mgm-interface-groups>
    <mgm-group>
      <host-record>
        <record-type>
          record-type
        </record-type>
        <receiver>
          receiver
        </receiver>
        <record-timeout>
          record-timeout
        </record-timeout>
      </host-record>
    </mgm-group>
  </mgm-interface-groups>
</mld-group-information>

```

**Description****<host-record>****Usage**

```

<amt-tunnel>
  <mgm-group>
    <host-record>
      <record-type>
        record-type
      </record-type>
      <receiver>
        receiver
      </receiver>
      <record-timeout>
        record-timeout
      </record-timeout>
    </host-record>
  </mgm-group>
</amt-tunnel>

```

**Description****<host-record>****Usage**

```

<amt-tunnel-information>
  <amt-tunnel>
    <mgm-group>
      <host-record>
        <record-type>
          record-type

```

```
</record-type>
<receiver>
  receiver
</receiver>
<record-timeout>
  record-timeout
</record-timeout>
</host-record>
</mgm-group>
</amt-tunnel>
</amt-tunnel-information>
```

#### Description

#### <hostname-tlv>

##### Usage

```
<isis-tlv>
  <hostname-tlv>
    <hostname>
      hostname
    </hostname>
  </hostname-tlv>
</isis-tlv>
```

#### Description

#### <hostname-tlv>

##### Usage

```
<isis-database-entry>
  <isis-tlv>
    <hostname-tlv>
      <hostname>
        hostname
      </hostname>
    </hostname-tlv>
  </isis-tlv>
</isis-database-entry>
```

#### Description

#### <hostname-tlv>

##### Usage

```
<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <hostname-tlv>
        <hostname>
          hostname
        </hostname>
      </hostname-tlv>
    </isis-database-entry>
```

```

    </isis-tlv>
  </isis-database-entry>
</isis-database>

```

#### Description

#### <hostname-tlv>

##### Usage

```

<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <hostname-tlv>
          <hostname>
            hostname
          </hostname>
        </hostname-tlv>
      </isis-tlv>
    </isis-database-entry>
  </isis-database>
</isis-database-information>

```

#### Description

#### <idrp-tlv>

##### Usage

```

<isis-tlv>
  <idrp-tlv>
    <tlv-length>
      tlv-length
    </tlv-length>
  </idrp-tlv>
</isis-tlv>

```

#### Description

#### <idrp-tlv>

##### Usage

```

<isis-database-entry>
  <isis-tlv>
    <idrp-tlv>
      <tlv-length>
        tlv-length
      </tlv-length>
    </idrp-tlv>
  </isis-tlv>
</isis-database-entry>

```

#### Description

## <idrp-tlv>

### Usage

```
<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <idrp-tlv>
        <tlv-length>
          tlv-length
        </tlv-length>
      </idrp-tlv>
    </isis-tlv>
  </isis-database-entry>
</isis-database>
```

### Description

## <idrp-tlv>

### Usage

```
<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <idrp-tlv>
          <tlv-length>
            tlv-length
          </tlv-length>
        </idrp-tlv>
      </isis-tlv>
    </isis-database-entry>
  </isis-database>
</isis-database-information>
```

### Description

## <iflist-next-hop>

### Usage

```
<multicast-next-hops-information>
  <next-hops-family>
    <iflist-next-hop>
      <next-hop-id>
        next-hop-id
      </next-hop-id>
      <next-hop-ref-count>
        next-hop-ref-count
      </next-hop-ref-count>
      <next-hop-kernel-ref-count>
        next-hop-kernel-ref-count
      </next-hop-kernel-ref-count>
      <next-hop-downstream-interface>....</next-hop-downstream-interface>
    </iflist-next-hop>
```

```
</next-hops-family>
</multicast-next-hops-information>
```

**Description****<igmp-group-information>****Usage**

```
<igmp-group-information>
  <mgm-interface-groups>....</mgm-interface-groups>
</igmp-group-information>
```

**Description****<igmp-hosts-information>****Usage**

```
<igmp-hosts-information>
  <mgm-disabled-interface-name>
    mgm-disabled-interface-name
  </mgm-disabled-interface-name>
  <mgm-interface>....</mgm-interface>
</igmp-hosts-information>
```

**Description****<igmp-interface-information>****Usage**

```
<igmp-interface-information>
  <mgm-interface>....</mgm-interface>
  <mgm-configured-parameters>....</mgm-configured-parameters>
  <mgm-derived-parameters>....</mgm-derived-parameters>
  <mgm-amt-configured-parameters>....</mgm-amt-configured-parameters>
  <mgm-amt-derived-parameters>....</mgm-amt-derived-parameters>
</igmp-interface-information>
```

**Description****<igmp-output-group-information>****Usage**

```
<igmp-output-group-information>
  <mgm-interface-output-groups>....</mgm-interface-output-groups>
</igmp-output-group-information>
```

**Description**

## <igmp-statistics-information>

### Usage

```
<igmp-statistics-information>
  <mgm-statistics-interface>....</mgm-statistics-interface>
  <mgm-statistics-other>....</mgm-statistics-other>
  <mgm-statistics-global>....</mgm-statistics-global>
  <mgm-statistics-all>....</mgm-statistics-all>
</igmp-statistics-information>
```

### Description

## <ingress-replication-information>

### Usage

```
<ingress-replication-information>
  <ir-tunnel>....</ir-tunnel>
  <ir-unicast-tunnel>....</ir-unicast-tunnel>
</ingress-replication-information>
```

### Description

## <instance>

### Usage

```
<instance>
  <instance-name>
    instance-name
  </instance-name>
  <instance-display-error>
    instance-display-error
  </instance-display-error>
  <reference-site>....</reference-site>
  <ldp-vpls-reference-site>....</ldp-vpls-reference-site>
  <vpls-protocol-state>....</vpls-protocol-state>
  <vpls-rsvp-te-ingress-p2mp-lsp>....</vpls-rsvp-te-ingress-p2mp-lsp>
  <provider-tunnel>....</provider-tunnel>
  <neighbor>....</neighbor>
  <c-multicast-ipv4>....</c-multicast-ipv4>
  <c-multicast-ipv6>....</c-multicast-ipv6>
</instance>
```

### Description

## <instance>

### Usage

```
<l2vpn-connection-information>
  <instance>
    <instance-name>
      instance-name
    </instance-name>
```



```

<instance-display-error>
  instance-display-error
</instance-display-error>
<reference-site>....</reference-site>
<ldp-vpls-reference-site>....</ldp-vpls-reference-site>
<vpls-protocol-state>....</vpls-protocol-state>
<vpls-rsvp-te-ingress-p2mp-lsp>....</vpls-rsvp-te-ingress-p2mp-lsp>
<provider-tunnel>....</provider-tunnel>
<neighbor>....</neighbor>
<c-multicast-ipv4>....</c-multicast-ipv4>
<c-multicast-ipv6>....</c-multicast-ipv6>
</instance>
</l2vpn-connection-information>

```

### Description

<instance>

### Usage

```

<vpls-connection-information>
  <instance>
    <instance-name>
      instance-name
    </instance-name>
    <instance-display-error>
      instance-display-error
    </instance-display-error>
    <reference-site>....</reference-site>
    <ldp-vpls-reference-site>....</ldp-vpls-reference-site>
    <vpls-protocol-state>....</vpls-protocol-state>
    <vpls-rsvp-te-ingress-p2mp-lsp>....</vpls-rsvp-te-ingress-p2mp-lsp>
    <provider-tunnel>....</provider-tunnel>
    <neighbor>....</neighbor>
    <c-multicast-ipv4>....</c-multicast-ipv4>
    <c-multicast-ipv6>....</c-multicast-ipv6>
  </instance>
</vpls-connection-information>

```

### Description

<instance>

### Usage

```

<vpls-statistics-information>
  <instance>
    <instance-name>
      instance-name
    </instance-name>
    <instance-display-error>
      instance-display-error
    </instance-display-error>
    <reference-site>....</reference-site>
    <ldp-vpls-reference-site>....</ldp-vpls-reference-site>
    <vpls-protocol-state>....</vpls-protocol-state>
  </instance>

```

```

    <vpls-rsvp-te-ingress-p2mp-lsp>....</vpls-rsvp-te-ingress-p2mp-lsp>
    <provider-tunnel>....</provider-tunnel>
    <neighbor>....</neighbor>
    <c-multicast-ipv4>....</c-multicast-ipv4>
    <c-multicast-ipv6>....</c-multicast-ipv6>
  </instance>
</vpls-statistics-information>

```

## Description

<instance>

## Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <instance-name>
      instance-name
    </instance-name>
    <instance-display-error>
      instance-display-error
    </instance-display-error>
    <reference-site>....</reference-site>
    <ldp-vpls-reference-site>....</ldp-vpls-reference-site>
    <vpls-protocol-state>....</vpls-protocol-state>
    <vpls-rsvp-te-ingress-p2mp-lsp>....</vpls-rsvp-te-ingress-p2mp-lsp>
    <provider-tunnel>....</provider-tunnel>
    <neighbor>....</neighbor>
    <c-multicast-ipv4>....</c-multicast-ipv4>
    <c-multicast-ipv6>....</c-multicast-ipv6>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

## Description

<instance>

## Usage

```

<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <instance-name>
        instance-name
      </instance-name>
      <instance-display-error>
        instance-display-error
      </instance-display-error>
      <reference-site>....</reference-site>
      <ldp-vpls-reference-site>....</ldp-vpls-reference-site>
      <vpls-protocol-state>....</vpls-protocol-state>
      <vpls-rsvp-te-ingress-p2mp-lsp>....</vpls-rsvp-te-ingress-p2mp-lsp>
      <provider-tunnel>....</provider-tunnel>
      <neighbor>....</neighbor>
      <c-multicast-ipv4>....</c-multicast-ipv4>
      <c-multicast-ipv6>....</c-multicast-ipv6>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

```

    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

## Description

<instance>

## Usage

```

<mvpn-instance-information>
  <instance>
    <instance-name>
      instance-name
    </instance-name>
    <instance-display-error>
      instance-display-error
    </instance-display-error>
    <reference-site>....</reference-site>
    <ldp-vpls-reference-site>....</ldp-vpls-reference-site>
    <vpls-protocol-state>....</vpls-protocol-state>
    <vpls-rsvp-te-ingress-p2mp-lsp>....</vpls-rsvp-te-ingress-p2mp-lsp>
    <provider-tunnel>....</provider-tunnel>
    <neighbor>....</neighbor>
    <c-multicast-ipv4>....</c-multicast-ipv4>
    <c-multicast-ipv6>....</c-multicast-ipv6>
  </instance>
</mvpn-instance-information>

```

## Description

<instance-core>

## Usage

```

<instance-core>
  <instance-name>
    instance-name
  </instance-name>
  <instance-description>
    instance-description
  </instance-description>
  <router-id>
    router-id
  </router-id>
  <instance-type>
    instance-type
  </instance-type>
  <instance-state>
    instance-state
  </instance-state>
  <instance-restart-state>
    instance-restart-state
  </instance-restart-state>
  <instance-pathsels-timeout>
    instance-pathsels-timeout

```

```
</instance-pathsel-timeout>
<instance-rib>....</instance-rib>
<instance-interface>....</instance-interface>
<instance-vrf>....</instance-vrf>
<instance-vpls-meshgroup>....</instance-vpls-meshgroup>
</instance-core>
```

#### Description

#### <instance-core>

##### Usage

```
<instance-information>
<instance-core>
  <instance-name>
    instance-name
  </instance-name>
  <instance-description>
    instance-description
  </instance-description>
  <router-id>
    router-id
  </router-id>
  <instance-type>
    instance-type
  </instance-type>
  <instance-state>
    instance-state
  </instance-state>
  <instance-restart-state>
    instance-restart-state
  </instance-restart-state>
  <instance-pathsel-timeout>
    instance-pathsel-timeout
  </instance-pathsel-timeout>
  <instance-rib>....</instance-rib>
  <instance-interface>....</instance-interface>
  <instance-vrf>....</instance-vrf>
  <instance-vpls-meshgroup>....</instance-vpls-meshgroup>
</instance-core>
</instance-information>
```

#### Description

#### <instance-entry>

##### Usage

```
<instance-entry>
  <instance-name>
    instance-name
  </instance-name>
  <ngen-mvpn-mode>
    ngen-mvpn-mode
  </ngen-mvpn-mode>
```

```

<instance-display-error>
  instance-display-error
</instance-display-error>
<provider-tunnel>....</provider-tunnel>
<neighbor>....</neighbor>
<c-multicast-ipv4>....</c-multicast-ipv4>
<c-multicast-ipv6>....</c-multicast-ipv6>
</instance-entry>

```

#### Description

#### <instance-entry>

#### Usage

```

<mvpn-instance>
  <instance-entry>
    <instance-name>
      instance-name
    </instance-name>
    <ngen-mvpn-mode>
      ngen-mvpn-mode
    </ngen-mvpn-mode>
    <instance-display-error>
      instance-display-error
    </instance-display-error>
    <provider-tunnel>....</provider-tunnel>
    <neighbor>....</neighbor>
    <c-multicast-ipv4>....</c-multicast-ipv4>
    <c-multicast-ipv6>....</c-multicast-ipv6>
  </instance-entry>
</mvpn-instance>

```

#### Description

#### <instance-entry>

#### Usage

```

<mvpn-instance-information>
  <mvpn-instance>
    <instance-entry>
      <instance-name>
        instance-name
      </instance-name>
      <ngen-mvpn-mode>
        ngen-mvpn-mode
      </ngen-mvpn-mode>
      <instance-display-error>
        instance-display-error
      </instance-display-error>
      <provider-tunnel>....</provider-tunnel>
      <neighbor>....</neighbor>
      <c-multicast-ipv4>....</c-multicast-ipv4>
      <c-multicast-ipv6>....</c-multicast-ipv6>
    </instance-entry>
  </mvpn-instance>

```

```
</mvpn-instance>
</mvpn-instance-information>
```

#### Description

### <instance-entry-summary>

#### Usage

```
<instance-entry-summary>
  <neighbor-summary>....</neighbor-summary>
  <c-multicast-summary>....</c-multicast-summary>
  <c-multicast-ipv6-summary>....</c-multicast-ipv6-summary>
</instance-entry-summary>
```

#### Description

### <instance-entry-summary>

#### Usage

```
<mvpn-instance>
  <instance-entry-summary>
    <neighbor-summary>....</neighbor-summary>
    <c-multicast-summary>....</c-multicast-summary>
    <c-multicast-ipv6-summary>....</c-multicast-ipv6-summary>
  </instance-entry-summary>
</mvpn-instance>
```

#### Description

### <instance-entry-summary>

#### Usage

```
<mvpn-instance-information>
  <mvpn-instance>
    <instance-entry-summary>
      <neighbor-summary>....</neighbor-summary>
      <c-multicast-summary>....</c-multicast-summary>
      <c-multicast-ipv6-summary>....</c-multicast-ipv6-summary>
    </instance-entry-summary>
  </mvpn-instance>
</mvpn-instance-information>
```

#### Description

### <instance-information>

#### Usage

```
<instance-information>
  <instance-core>....</instance-core>
</instance-information>
```

**Description** Operational and configuration information for routing instances

### <instance-interface>

**Usage**

```
<instance-core>
  <instance-interface>
    <interface-name>
      interface-name
    </interface-name>
  </instance-interface>
</instance-core>
```

**Description**

### <instance-interface>

**Usage**

```
<instance-interface>
  <interface-name>
    interface-name
  </interface-name>
</instance-interface>
```

**Description**

### <instance-interface>

**Usage**

```
<instance-information>
  <instance-core>
    <instance-interface>
      <interface-name>
        interface-name
      </interface-name>
    </instance-interface>
  </instance-core>
</instance-information>
```

**Description**

### <instance-rib>

**Usage**

```
<instance-rib>
  <irib-name>
    irib-name
  </irib-name>
  <irib-route-count>
    irib-route-count
  </irib-route-count>
  <irib-active-count>
    irib-active-count
```

```
</irib-active-count>
<irib-holddown-count>
  irib-holddown-count
</irib-holddown-count>
<irib-hidden-count>
  irib-hidden-count
</irib-hidden-count>
<irib-restart-state>
  irib-restart-state
</irib-restart-state>
</instance-rib>
```

#### Description

<instance-rib>

#### Usage

```
<instance-core>
  <instance-rib>
    <irib-name>
      irib-name
    </irib-name>
    <irib-route-count>
      irib-route-count
    </irib-route-count>
    <irib-active-count>
      irib-active-count
    </irib-active-count>
    <irib-holddown-count>
      irib-holddown-count
    </irib-holddown-count>
    <irib-hidden-count>
      irib-hidden-count
    </irib-hidden-count>
    <irib-restart-state>
      irib-restart-state
    </irib-restart-state>
  </instance-rib>
</instance-core>
```

#### Description

<instance-rib>

#### Usage

```
<instance-information>
  <instance-core>
    <instance-rib>
      <irib-name>
        irib-name
      </irib-name>
      <irib-route-count>
        irib-route-count
      </irib-route-count>
```



```

    <irib-active-count>
      irib-active-count
    </irib-active-count>
    <irib-holddown-count>
      irib-holddown-count
    </irib-holddown-count>
    <irib-hidden-count>
      irib-hidden-count
    </irib-hidden-count>
    <irib-restart-state>
      irib-restart-state
    </irib-restart-state>
  </instance-rib>
</instance-core>
</instance-information>

```

#### Description

### <instance-vpls-meshgroup>

#### Usage

```

<instance-core>
  <instance-vpls-meshgroup>
    <meshgroup-name>
      meshgroup-name
    </meshgroup-name>
    <route-distinguisher>
      route-distinguisher
    </route-distinguisher>
    <meshgroup-vrf-import>
      meshgroup-vrf-import
    </meshgroup-vrf-import>
    <meshgroup-vrf-export>
      meshgroup-vrf-export
    </meshgroup-vrf-export>
    <meshgroup-vrf-import-target>
      meshgroup-vrf-import-target
    </meshgroup-vrf-import-target>
    <meshgroup-vrf-export-target>
      meshgroup-vrf-export-target
    </meshgroup-vrf-export-target>
  </instance-vpls-meshgroup>
</instance-core>

```

#### Description

### <instance-vpls-meshgroup>

#### Usage

```

<instance-vpls-meshgroup>
  <meshgroup-name>
    meshgroup-name
  </meshgroup-name>
  <route-distinguisher>

```

```
    route-distinguisher
  </route-distinguisher>
  <meshgroup-vrf-import>
    meshgroup-vrf-import
  </meshgroup-vrf-import>
  <meshgroup-vrf-export>
    meshgroup-vrf-export
  </meshgroup-vrf-export>
  <meshgroup-vrf-import-target>
    meshgroup-vrf-import-target
  </meshgroup-vrf-import-target>
  <meshgroup-vrf-export-target>
    meshgroup-vrf-export-target
  </meshgroup-vrf-export-target>
</instance-vpls-meshgroup>
```

#### Description

### <instance-vpls-meshgroup>

#### Usage

```
<instance-information>
  <instance-core>
    <instance-vpls-meshgroup>
      <meshgroup-name>
        meshgroup-name
      </meshgroup-name>
      <route-distinguisher>
        route-distinguisher
      </route-distinguisher>
      <meshgroup-vrf-import>
        meshgroup-vrf-import
      </meshgroup-vrf-import>
      <meshgroup-vrf-export>
        meshgroup-vrf-export
      </meshgroup-vrf-export>
      <meshgroup-vrf-import-target>
        meshgroup-vrf-import-target
      </meshgroup-vrf-import-target>
      <meshgroup-vrf-export-target>
        meshgroup-vrf-export-target
      </meshgroup-vrf-export-target>
    </instance-vpls-meshgroup>
  </instance-core>
</instance-information>
```

#### Description

### <instance-vrf>

#### Usage

```
<instance-core>
  <instance-vrf>
    <route-distinguisher>
```

```

    route-distinguisher
  </route-distinguisher>
  <vrf-import>
    vrf-import
  </vrf-import>
  <vrf-export>
    vrf-export
  </vrf-export>
  <vrf-import-target>
    vrf-import-target
  </vrf-import-target>
  <vrf-export-target>
    vrf-export-target
  </vrf-export-target>
  <vrf-label-allocation>
    vrf-label-allocation
  </vrf-label-allocation>
  <vrf-label-substitution>
    vrf-label-substitution
  </vrf-label-substitution>
  <fast-reroute-priority>
    fast-reroute-priority
  </fast-reroute-priority>
</instance-vrf>
</instance-core>

```

## Description

<instance-vrf>

## Usage

```

<instance-vrf>
  <route-distinguisher>
    route-distinguisher
  </route-distinguisher>
  <vrf-import>
    vrf-import
  </vrf-import>
  <vrf-export>
    vrf-export
  </vrf-export>
  <vrf-import-target>
    vrf-import-target
  </vrf-import-target>
  <vrf-export-target>
    vrf-export-target
  </vrf-export-target>
  <vrf-label-allocation>
    vrf-label-allocation
  </vrf-label-allocation>
  <vrf-label-substitution>
    vrf-label-substitution
  </vrf-label-substitution>
  <fast-reroute-priority>
    fast-reroute-priority

```

```
</fast-reroute-priority>
</instance-vrf>
```

#### Description

<instance-vrf>

#### Usage

```
<instance-information>
<instance-core>
  <instance-vrf>
    <route-distinguisher>
      route-distinguisher
    </route-distinguisher>
    <vrf-import>
      vrf-import
    </vrf-import>
    <vrf-export>
      vrf-export
    </vrf-export>
    <vrf-import-target>
      vrf-import-target
    </vrf-import-target>
    <vrf-export-target>
      vrf-export-target
    </vrf-export-target>
    <vrf-label-allocation>
      vrf-label-allocation
    </vrf-label-allocation>
    <vrf-label-substitution>
      vrf-label-substitution
    </vrf-label-substitution>
    <fast-reroute-priority>
      fast-reroute-priority
    </fast-reroute-priority>
  </instance-vrf>
</instance-core>
</instance-information>
```

#### Description

<interface-level-data>

#### Usage

```
<interface-level-data>
  <level>
    level
  </level>
  <adjacency-count>
    adjacency-count
  </adjacency-count>
  <interface-priority>
    interface-priority
  </interface-priority>
```

```

<metric>
  metric
</metric>
<te-metric>
  te-metric
</te-metric>
<passive>
  passive
</passive>
<hello-time>
  hello-time
</hello-time>
<holdtime>
  holdtime
</holdtime>
<dr-id-one>
  dr-id-one
</dr-id-one>
<dr-id-two>
  dr-id-two
</dr-id-two>
<dr-flag>
  dr-flag
</dr-flag>
<isis-interface-level-topology>....</isis-interface-level-topology>
</interface-level-data>

```

## Description

### <interface-level-data>

#### Usage

```

<isis-interface>
  <interface-level-data>
    <level>
      level
    </level>
    <adjacency-count>
      adjacency-count
    </adjacency-count>
    <interface-priority>
      interface-priority
    </interface-priority>
    <metric>
      metric
    </metric>
    <te-metric>
      te-metric
    </te-metric>
    <passive>
      passive
    </passive>
    <hello-time>
      hello-time
    </hello-time>
  </interface-level-data>
</isis-interface>

```

```
<holdtime>
  holdtime
</holdtime>
<dr-id-one>
  dr-id-one
</dr-id-one>
<dr-id-two>
  dr-id-two
</dr-id-two>
<dr-flag>
  dr-flag
</dr-flag>
<isis-interface-level-topology>....</isis-interface-level-topology>
</interface-level-data>
</isis-interface>
```

## Description

### <interface-level-data>

#### Usage

```
<isis-interface-information>
<isis-interface>
  <interface-level-data>
    <level>
      level
    </level>
    <adjacency-count>
      adjacency-count
    </adjacency-count>
    <interface-priority>
      interface-priority
    </interface-priority>
    <metric>
      metric
    </metric>
    <te-metric>
      te-metric
    </te-metric>
    <passive>
      passive
    </passive>
    <hello-time>
      hello-time
    </hello-time>
    <holdtime>
      holdtime
    </holdtime>
    <dr-id-one>
      dr-id-one
    </dr-id-one>
    <dr-id-two>
      dr-id-two
    </dr-id-two>
    <dr-flag>
```

```

    dr-flag
  </dr-flag>
  <isis-interface-level-topology>....</isis-interface-level-topology>
</interface-level-data>
</isis-interface>
</isis-interface-information>

```

## Description

### <interface-statistics>

#### Usage

```

<interface-statistics>
  <interface>
    interface
  </interface>
  <remote-pe>
    remote-pe
  </remote-pe>
  <broadcast-packets>
    broadcast-packets
  </broadcast-packets>
  <broadcast-bytes>
    broadcast-bytes
  </broadcast-bytes>
  <multicast-packets>
    multicast-packets
  </multicast-packets>
  <multicast-bytes>
    multicast-bytes
  </multicast-bytes>
  <flooded-packets>
    flooded-packets
  </flooded-packets>
  <flooded-bytes>
    flooded-bytes
  </flooded-bytes>
  <unicast-packets>
    unicast-packets
  </unicast-packets>
  <unicast-bytes>
    unicast-bytes
  </unicast-bytes>
  <mac-limit>
    mac-limit
  </mac-limit>
  <num-mac-count>
    num-mac-count
  </num-mac-count>
</interface-statistics>

```

## Description

## <interface-statistics>

### Usage

```
<vpls-statistics-information>
  <interface-statistics>
    <interface>
      interface
    </interface>
    <remote-pe>
      remote-pe
    </remote-pe>
    <broadcast-packets>
      broadcast-packets
    </broadcast-packets>
    <broadcast-bytes>
      broadcast-bytes
    </broadcast-bytes>
    <multicast-packets>
      multicast-packets
    </multicast-packets>
    <multicast-bytes>
      multicast-bytes
    </multicast-bytes>
    <flooded-packets>
      flooded-packets
    </flooded-packets>
    <flooded-bytes>
      flooded-bytes
    </flooded-bytes>
    <unicast-packets>
      unicast-packets
    </unicast-packets>
    <unicast-bytes>
      unicast-bytes
    </unicast-bytes>
    <mac-limit>
      mac-limit
    </mac-limit>
    <num-mac-count>
      num-mac-count
    </num-mac-count>
  </interface-statistics>
</vpls-statistics-information>
```

### Description

## <ip-prefix-tlv>

### Usage

```
<isis-tlv>
  <ip-prefix-tlv>
    <isis-topology-id>
      isis-topology-id
    </isis-topology-id>
```



```

<address-prefix>
  address-prefix
</address-prefix>
<metric>
  metric
</metric>
<prefix-status>
  prefix-status
</prefix-status>
<subtlv-size>
  subtlv-size
</subtlv-size>
<isis-prefix-subtlv>....</isis-prefix-subtlv>
</ip-prefix-tlv>
</isis-tlv>

```

**Description****<ip-prefix-tlv>****Usage**

```

<isis-database-entry>
<isis-tlv>
  <ip-prefix-tlv>
    <isis-topology-id>
      isis-topology-id
    </isis-topology-id>
    <address-prefix>
      address-prefix
    </address-prefix>
    <metric>
      metric
    </metric>
    <prefix-status>
      prefix-status
    </prefix-status>
    <subtlv-size>
      subtlv-size
    </subtlv-size>
    <isis-prefix-subtlv>....</isis-prefix-subtlv>
  </ip-prefix-tlv>
</isis-tlv>
</isis-database-entry>

```

**Description****<ip-prefix-tlv>****Usage**

```

<isis-database>
<isis-database-entry>
<isis-tlv>
  <ip-prefix-tlv>
    <isis-topology-id>

```

```
    isis-topology-id
  </isis-topology-id>
  <address-prefix>
    address-prefix
  </address-prefix>
  <metric>
    metric
  </metric>
  <prefix-status>
    prefix-status
  </prefix-status>
  <subtlv-size>
    subtlv-size
  </subtlv-size>
  <isis-prefix-subtlv>....</isis-prefix-subtlv>
</ip-prefix-tlv>
</isis-tlv>
</isis-database-entry>
</isis-database>
```

#### Description

#### <ip-prefix-tlv>

#### Usage

```
<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <ip-prefix-tlv>
          <isis-topology-id>
            isis-topology-id
          </isis-topology-id>
          <address-prefix>
            address-prefix
          </address-prefix>
          <metric>
            metric
          </metric>
          <prefix-status>
            prefix-status
          </prefix-status>
          <subtlv-size>
            subtlv-size
          </subtlv-size>
          <isis-prefix-subtlv>....</isis-prefix-subtlv>
        </ip-prefix-tlv>
      </isis-tlv>
    </isis-database-entry>
  </isis-database>
</isis-database-information>
```

#### Description

### <ipaddress-tlv>

#### Usage

```
<isis-tlv>
  <ipaddress-tlv>
    <address>
      address
    </address>
  </ipaddress-tlv>
</isis-tlv>
```

#### Description

### <ipaddress-tlv>

#### Usage

```
<isis-database-entry>
  <isis-tlv>
    <ipaddress-tlv>
      <address>
        address
      </address>
    </ipaddress-tlv>
  </isis-tlv>
</isis-database-entry>
```

#### Description

### <ipaddress-tlv>

#### Usage

```
<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <ipaddress-tlv>
        <address>
          address
        </address>
      </ipaddress-tlv>
    </isis-tlv>
  </isis-database-entry>
</isis-database>
```

#### Description

### <ipaddress-tlv>

#### Usage

```
<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
```

```
<ipaddress-tlv>
  <address>
    address
  </address>
</ipaddress-tlv>
</isis-tlv>
</isis-database-entry>
</isis-database>
</isis-database-information>
```

## Description

### <ipv6-ra-advertisement>

#### Usage

```
<ipv6-ra-interface>
  <ipv6-ra-advertisement>
    <ipv6-source-address>
      ipv6-source-address
    </ipv6-source-address>
    <ipv6-ra-time-since>
      ipv6-ra-time-since
    </ipv6-ra-time-since>
    <ipv6-ra-managed-flag>
      ipv6-ra-managed-flag
    </ipv6-ra-managed-flag>
    <ipv6-ra-managed-flag-conflict>
      ipv6-ra-managed-flag-conflict
    </ipv6-ra-managed-flag-conflict>
    <ipv6-ra-other-config-flag>
      ipv6-ra-other-config-flag
    </ipv6-ra-other-config-flag>
    <ipv6-ra-other-config-flag-conflict>
      ipv6-ra-other-config-flag-conflict
    </ipv6-ra-other-config-flag-conflict>
    <ipv6-ra-link-mtu>
      ipv6-ra-link-mtu
    </ipv6-ra-link-mtu>
    <ipv6-ra-link-mtu-conflict>
      ipv6-ra-link-mtu-conflict
    </ipv6-ra-link-mtu-conflict>
    <ipv6-ra-reachable-time>
      ipv6-ra-reachable-time
    </ipv6-ra-reachable-time>
    <ipv6-ra-reachable-time-conflict>
      ipv6-ra-reachable-time-conflict
    </ipv6-ra-reachable-time-conflict>
    <ipv6-ra-default-lifetime>
      ipv6-ra-default-lifetime
    </ipv6-ra-default-lifetime>
    <ipv6-ra-default-lifetime-conflict>
      ipv6-ra-default-lifetime-conflict
    </ipv6-ra-default-lifetime-conflict>
    <ipv6-ra-retransmit-timer>
      ipv6-ra-retransmit-timer
```

```

</ipv6-ra-retransmit-timer>
<ipv6-ra-retransmit-timer-conflict>
  ipv6-ra-retransmit-timer-conflict
</ipv6-ra-retransmit-timer-conflict>
<ipv6-ra-current-hop-limit>
  ipv6-ra-current-hop-limit
</ipv6-ra-current-hop-limit>
<ipv6-ra-current-hop-limit-conflict>
  ipv6-ra-current-hop-limit-conflict
</ipv6-ra-current-hop-limit-conflict>
<ipv6-ra-prefix>....</ipv6-ra-prefix>
</ipv6-ra-advertisement>
</ipv6-ra-interface>

```

### Description

<ipv6-ra-advertisement>

### Usage

```

<ipv6-ra-information>
<ipv6-ra-interface>
  <ipv6-ra-advertisement>
    <ipv6-source-address>
      ipv6-source-address
    </ipv6-source-address>
    <ipv6-ra-time-since>
      ipv6-ra-time-since
    </ipv6-ra-time-since>
    <ipv6-ra-managed-flag>
      ipv6-ra-managed-flag
    </ipv6-ra-managed-flag>
    <ipv6-ra-managed-flag-conflict>
      ipv6-ra-managed-flag-conflict
    </ipv6-ra-managed-flag-conflict>
    <ipv6-ra-other-config-flag>
      ipv6-ra-other-config-flag
    </ipv6-ra-other-config-flag>
    <ipv6-ra-other-config-flag-conflict>
      ipv6-ra-other-config-flag-conflict
    </ipv6-ra-other-config-flag-conflict>
    <ipv6-ra-link-mtu>
      ipv6-ra-link-mtu
    </ipv6-ra-link-mtu>
    <ipv6-ra-link-mtu-conflict>
      ipv6-ra-link-mtu-conflict
    </ipv6-ra-link-mtu-conflict>
    <ipv6-ra-reachable-time>
      ipv6-ra-reachable-time
    </ipv6-ra-reachable-time>
    <ipv6-ra-reachable-time-conflict>
      ipv6-ra-reachable-time-conflict
    </ipv6-ra-reachable-time-conflict>
    <ipv6-ra-default-lifetime>
      ipv6-ra-default-lifetime
    </ipv6-ra-default-lifetime>
  </ipv6-ra-advertisement>
</ipv6-ra-interface>
</ipv6-ra-information>

```

```
<ipv6-ra-default-lifetime-conflict>
  ipv6-ra-default-lifetime-conflict
</ipv6-ra-default-lifetime-conflict>
<ipv6-ra-retransmit-timer>
  ipv6-ra-retransmit-timer
</ipv6-ra-retransmit-timer>
<ipv6-ra-retransmit-timer-conflict>
  ipv6-ra-retransmit-timer-conflict
</ipv6-ra-retransmit-timer-conflict>
<ipv6-ra-current-hop-limit>
  ipv6-ra-current-hop-limit
</ipv6-ra-current-hop-limit>
<ipv6-ra-current-hop-limit-conflict>
  ipv6-ra-current-hop-limit-conflict
</ipv6-ra-current-hop-limit-conflict>
<ipv6-ra-prefix>....</ipv6-ra-prefix>
</ipv6-ra-advertisement>
</ipv6-ra-interface>
</ipv6-ra-information>
```

#### Description

### <ipv6-ra-information>

#### Usage

```
<ipv6-ra-information>
  <ipv6-ra-interface>....</ipv6-ra-interface>
</ipv6-ra-information>
```

#### Description

### <ipv6-ra-interface>

#### Usage

```
<ipv6-ra-interface>
  <interface-name>
    interface-name
  </interface-name>
  <ipv6-ra-advertisements-sent>
    ipv6-ra-advertisements-sent
  </ipv6-ra-advertisements-sent>
  <ipv6-ra-advertisement-sent-time>
    ipv6-ra-advertisement-sent-time
  </ipv6-ra-advertisement-sent-time>
  <ipv6-ra-solicits-received>
    ipv6-ra-solicits-received
  </ipv6-ra-solicits-received>
  <ipv6-ra-solicit-receive-time>
    ipv6-ra-solicit-receive-time
  </ipv6-ra-solicit-receive-time>
  <ipv6-ra-advertisements-received>
    ipv6-ra-advertisements-received
  </ipv6-ra-advertisements-received>
  <vrrp-group>....</vrrp-group>
```

```
<ipv6-ra-advertisement>....</ipv6-ra-advertisement>
</ipv6-ra-interface>
```

#### Description

<ipv6-ra-interface>

#### Usage

```
<ipv6-ra-information>
  <ipv6-ra-interface>
    <interface-name>
      interface-name
    </interface-name>
    <ipv6-ra-advertisements-sent>
      ipv6-ra-advertisements-sent
    </ipv6-ra-advertisements-sent>
    <ipv6-ra-advertisement-sent-time>
      ipv6-ra-advertisement-sent-time
    </ipv6-ra-advertisement-sent-time>
    <ipv6-ra-solicits-received>
      ipv6-ra-solicits-received
    </ipv6-ra-solicits-received>
    <ipv6-ra-solicit-receive-time>
      ipv6-ra-solicit-receive-time
    </ipv6-ra-solicit-receive-time>
    <ipv6-ra-advertisements-received>
      ipv6-ra-advertisements-received
    </ipv6-ra-advertisements-received>
    <vrrp-group>....</vrrp-group>
    <ipv6-ra-advertisement>....</ipv6-ra-advertisement>
  </ipv6-ra-interface>
</ipv6-ra-information>
```

#### Description

<ipv6-ra-prefix>

#### Usage

```
<ipv6-ra-interface>
  <ipv6-ra-advertisement>
    <ipv6-ra-prefix>
      <ipv6-ra-prefix-address>
        ipv6-ra-prefix-address
      </ipv6-ra-prefix-address>
      <ipv6-ra-prefix-valid-lifetime>
        ipv6-ra-prefix-valid-lifetime
      </ipv6-ra-prefix-valid-lifetime>
      <ipv6-ra-prefix-valid-lifetime-conflict>
        ipv6-ra-prefix-valid-lifetime-conflict
      </ipv6-ra-prefix-valid-lifetime-conflict>
      <ipv6-ra-prefix-preferred-lifetime>
        ipv6-ra-prefix-preferred-lifetime
      </ipv6-ra-prefix-preferred-lifetime>
      <ipv6-ra-prefix-preferred-lifetime-conflict>
```

```

        ipv6-ra-prefix-preferred-lifetime-conflict
      </ipv6-ra-prefix-preferred-lifetime-conflict>
    <ipv6-ra-prefix-on-link>
      ipv6-ra-prefix-on-link
    </ipv6-ra-prefix-on-link>
    <ipv6-ra-prefix-on-link-conflict>
      ipv6-ra-prefix-on-link-conflict
    </ipv6-ra-prefix-on-link-conflict>
    <ipv6-ra-prefix-autonomous>
      ipv6-ra-prefix-autonomous
    </ipv6-ra-prefix-autonomous>
    <ipv6-ra-prefix-autonomous-conflict>
      ipv6-ra-prefix-autonomous-conflict
    </ipv6-ra-prefix-autonomous-conflict>
  </ipv6-ra-prefix>
</ipv6-ra-advertisement>
</ipv6-ra-interface>

```

## Description

### <ipv6-ra-prefix>

#### Usage

```

<ipv6-ra-information>
  <ipv6-ra-interface>
    <ipv6-ra-advertisement>
      <ipv6-ra-prefix>
        <ipv6-ra-prefix-address>
          ipv6-ra-prefix-address
        </ipv6-ra-prefix-address>
        <ipv6-ra-prefix-valid-lifetime>
          ipv6-ra-prefix-valid-lifetime
        </ipv6-ra-prefix-valid-lifetime>
        <ipv6-ra-prefix-valid-lifetime-conflict>
          ipv6-ra-prefix-valid-lifetime-conflict
        </ipv6-ra-prefix-valid-lifetime-conflict>
        <ipv6-ra-prefix-preferred-lifetime>
          ipv6-ra-prefix-preferred-lifetime
        </ipv6-ra-prefix-preferred-lifetime>
        <ipv6-ra-prefix-preferred-lifetime-conflict>
          ipv6-ra-prefix-preferred-lifetime-conflict
        </ipv6-ra-prefix-preferred-lifetime-conflict>
        <ipv6-ra-prefix-on-link>
          ipv6-ra-prefix-on-link
        </ipv6-ra-prefix-on-link>
        <ipv6-ra-prefix-on-link-conflict>
          ipv6-ra-prefix-on-link-conflict
        </ipv6-ra-prefix-on-link-conflict>
        <ipv6-ra-prefix-autonomous>
          ipv6-ra-prefix-autonomous
        </ipv6-ra-prefix-autonomous>
        <ipv6-ra-prefix-autonomous-conflict>
          ipv6-ra-prefix-autonomous-conflict
        </ipv6-ra-prefix-autonomous-conflict>
      </ipv6-ra-prefix>
    </ipv6-ra-advertisement>
  </ipv6-ra-interface>
</ipv6-ra-information>

```



```

    </ipv6-ra-advertisement>
  </ipv6-ra-interface>
</ipv6-ra-information>

```

## Description

### <ipv6-reachability-tlv>

#### Usage

```

<isis-tlv>
  <ipv6-reachability-tlv>
    <isis-topology-id>
      isis-topology-id
    </isis-topology-id>
    <ipv6-address>
      ipv6-address
    </ipv6-address>
    <metric>
      metric
    </metric>
    <prefix-extern>
      prefix-extern
    </prefix-extern>
    <prefix-downflag>
      prefix-downflag
    </prefix-downflag>
    <subtlv-size>
      subtlv-size
    </subtlv-size>
    <isis-prefix-subtlv>....</isis-prefix-subtlv>
  </ipv6-reachability-tlv>
</isis-tlv>

```

## Description

### <ipv6-reachability-tlv>

#### Usage

```

<isis-database-entry>
  <isis-tlv>
    <ipv6-reachability-tlv>
      <isis-topology-id>
        isis-topology-id
      </isis-topology-id>
      <ipv6-address>
        ipv6-address
      </ipv6-address>
      <metric>
        metric
      </metric>
      <prefix-extern>
        prefix-extern
      </prefix-extern>
      <prefix-downflag>

```

```
        prefix-downflag
      </prefix-downflag>
    <subtlv-size>
      subtlv-size
    </subtlv-size>
    <isis-prefix-subtlv>....</isis-prefix-subtlv>
  </ipv6-reachability-tlv>
</isis-tlv>
</isis-database-entry>
```

## Description

### <ipv6-reachability-tlv>

#### Usage

```
<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <ipv6-reachability-tlv>
        <isis-topology-id>
          isis-topology-id
        </isis-topology-id>
        <ipv6-address>
          ipv6-address
        </ipv6-address>
        <metric>
          metric
        </metric>
        <prefix-extern>
          prefix-extern
        </prefix-extern>
        <prefix-downflag>
          prefix-downflag
        </prefix-downflag>
        <subtlv-size>
          subtlv-size
        </subtlv-size>
        <isis-prefix-subtlv>....</isis-prefix-subtlv>
      </ipv6-reachability-tlv>
    </isis-tlv>
  </isis-database-entry>
</isis-database>
```

## Description

### <ipv6-reachability-tlv>

#### Usage

```
<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <ipv6-reachability-tlv>
          <isis-topology-id>
```

```

    isis-topology-id
  </isis-topology-id>
  <ipv6-address>
    ipv6-address
  </ipv6-address>
  <metric>
    metric
  </metric>
  <prefix-extern>
    prefix-extern
  </prefix-extern>
  <prefix-downflag>
    prefix-downflag
  </prefix-downflag>
  <subtlv-size>
    subtlv-size
  </subtlv-size>
  <isis-prefix-subtlv>....</isis-prefix-subtlv>
</ipv6-reachability-tlv>
</isis-tlv>
</isis-database-entry>
</isis-database>
</isis-database-information>

```

#### Description

#### <ipv6address-tlv>

#### Usage

```

<isis-tlv>
  <ipv6address-tlv>
    <address>
      address
    </address>
  </ipv6address-tlv>
</isis-tlv>

```

#### Description

#### <ipv6address-tlv>

#### Usage

```

<isis-database-entry>
  <isis-tlv>
    <ipv6address-tlv>
      <address>
        address
      </address>
    </ipv6address-tlv>
  </isis-tlv>
</isis-database-entry>

```

#### Description

## <ipv6address-tlv>

### Usage

```
<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <ipv6address-tlv>
        <address>
          address
        </address>
      </ipv6address-tlv>
    </isis-tlv>
  </isis-database-entry>
</isis-database>
```

### Description

## <ipv6address-tlv>

### Usage

```
<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <ipv6address-tlv>
          <address>
            address
          </address>
        </ipv6address-tlv>
      </isis-tlv>
    </isis-database-entry>
  </isis-database>
</isis-database-information>
```

### Description

## <ir-tunnel>

### Usage

```
<ir-tunnel>
  <ir-tunnel-entry>....</ir-tunnel-entry>
</ir-tunnel>
```

### Description

## <ir-tunnel>

### Usage

```
<ingress-replication-information>
  <ir-tunnel>
    <ir-tunnel-entry>....</ir-tunnel-entry>
  </ir-tunnel>
```

```
</ingress-replication-information>
```

#### Description

**<ir-tunnel-entry>**

#### Usage

```
<ir-tunnel-entry>
  <ir-tunnel-name>
    ir-tunnel-name
  </ir-tunnel-name>
  <ir-tunnel-application>
    ir-tunnel-application
  </ir-tunnel-application>
  <ir-unicast-tunnel>....</ir-unicast-tunnel>
</ir-tunnel-entry>
```

#### Description

**<ir-tunnel-entry>**

#### Usage

```
<ir-tunnel>
  <ir-tunnel-entry>
    <ir-tunnel-name>
      ir-tunnel-name
    </ir-tunnel-name>
    <ir-tunnel-application>
      ir-tunnel-application
    </ir-tunnel-application>
    <ir-unicast-tunnel>....</ir-unicast-tunnel>
  </ir-tunnel-entry>
</ir-tunnel>
```

#### Description

**<ir-tunnel-entry>**

#### Usage

```
<ingress-replication-information>
  <ir-tunnel>
    <ir-tunnel-entry>
      <ir-tunnel-name>
        ir-tunnel-name
      </ir-tunnel-name>
      <ir-tunnel-application>
        ir-tunnel-application
      </ir-tunnel-application>
      <ir-unicast-tunnel>....</ir-unicast-tunnel>
    </ir-tunnel-entry>
  </ir-tunnel>
</ingress-replication-information>
```

**Description****<ir-unicast-tunnel>****Usage**

```
<ir-unicast-tunnel>
  <ir-unicast-tunnel-entry>....</ir-unicast-tunnel-entry>
</ir-unicast-tunnel>
```

**Description****<ir-unicast-tunnel>****Usage**

```
<ir-tunnel-entry>
  <ir-unicast-tunnel>
    <ir-unicast-tunnel-entry>....</ir-unicast-tunnel-entry>
  </ir-unicast-tunnel>
</ir-tunnel-entry>
```

**Description****<ir-unicast-tunnel>****Usage**

```
<ir-tunnel>
  <ir-tunnel-entry>
    <ir-unicast-tunnel>
      <ir-unicast-tunnel-entry>....</ir-unicast-tunnel-entry>
    </ir-unicast-tunnel>
  </ir-tunnel-entry>
</ir-tunnel>
```

**Description****<ir-unicast-tunnel>****Usage**

```
<ingress-replication-information>
  <ir-tunnel>
    <ir-tunnel-entry>
      <ir-unicast-tunnel>
        <ir-unicast-tunnel-entry>....</ir-unicast-tunnel-entry>
      </ir-unicast-tunnel>
    </ir-tunnel-entry>
  </ir-tunnel>
</ingress-replication-information>
```

**Description**

**<ir-unicast-tunnel>****Usage**

```

<ingress-replication-information>
  <ir-unicast-tunnel>
    <ir-unicast-tunnel-entry>....</ir-unicast-tunnel-entry>
  </ir-unicast-tunnel>
</ingress-replication-information>

```

**Description****<ir-unicast-tunnel-entry>****Usage**

```

<ir-unicast-tunnel-entry>
  <ir-unicast-tunnel-dst>
    ir-unicast-tunnel-dst
  </ir-unicast-tunnel-dst>
  <ir-unicast-tunnel-type>
    ir-unicast-tunnel-type
  </ir-unicast-tunnel-type>
  <ir-unicast-tunnel-mode>
    ir-unicast-tunnel-mode
  </ir-unicast-tunnel-mode>
  <ir-unicast-tunnel-state>
    ir-unicast-tunnel-state
  </ir-unicast-tunnel-state>
</ir-unicast-tunnel-entry>

```

**Description****<ir-unicast-tunnel-entry>****Usage**

```

<ir-unicast-tunnel>
  <ir-unicast-tunnel-entry>
    <ir-unicast-tunnel-dst>
      ir-unicast-tunnel-dst
    </ir-unicast-tunnel-dst>
    <ir-unicast-tunnel-type>
      ir-unicast-tunnel-type
    </ir-unicast-tunnel-type>
    <ir-unicast-tunnel-mode>
      ir-unicast-tunnel-mode
    </ir-unicast-tunnel-mode>
    <ir-unicast-tunnel-state>
      ir-unicast-tunnel-state
    </ir-unicast-tunnel-state>
  </ir-unicast-tunnel-entry>
</ir-unicast-tunnel>

```

**Description**

## <ir-unicast-tunnel-entry>

### Usage

```
<ir-tunnel-entry>
  <ir-unicast-tunnel>
    <ir-unicast-tunnel-entry>
      <ir-unicast-tunnel-dst>
        ir-unicast-tunnel-dst
      </ir-unicast-tunnel-dst>
      <ir-unicast-tunnel-type>
        ir-unicast-tunnel-type
      </ir-unicast-tunnel-type>
      <ir-unicast-tunnel-mode>
        ir-unicast-tunnel-mode
      </ir-unicast-tunnel-mode>
      <ir-unicast-tunnel-state>
        ir-unicast-tunnel-state
      </ir-unicast-tunnel-state>
    </ir-unicast-tunnel-entry>
  </ir-unicast-tunnel>
</ir-tunnel-entry>
```

### Description

## <ir-unicast-tunnel-entry>

### Usage

```
<ir-tunnel>
  <ir-tunnel-entry>
    <ir-unicast-tunnel>
      <ir-unicast-tunnel-entry>
        <ir-unicast-tunnel-dst>
          ir-unicast-tunnel-dst
        </ir-unicast-tunnel-dst>
        <ir-unicast-tunnel-type>
          ir-unicast-tunnel-type
        </ir-unicast-tunnel-type>
        <ir-unicast-tunnel-mode>
          ir-unicast-tunnel-mode
        </ir-unicast-tunnel-mode>
        <ir-unicast-tunnel-state>
          ir-unicast-tunnel-state
        </ir-unicast-tunnel-state>
      </ir-unicast-tunnel-entry>
    </ir-unicast-tunnel>
  </ir-tunnel-entry>
</ir-tunnel>
```

### Description



**<ir-unicast-tunnel-entry>****Usage**

```

<ingress-replication-information>
  <ir-tunnel>
    <ir-tunnel-entry>
      <ir-unicast-tunnel>
        <ir-unicast-tunnel-entry>
          <ir-unicast-tunnel-dst>
            ir-unicast-tunnel-dst
          </ir-unicast-tunnel-dst>
          <ir-unicast-tunnel-type>
            ir-unicast-tunnel-type
          </ir-unicast-tunnel-type>
          <ir-unicast-tunnel-mode>
            ir-unicast-tunnel-mode
          </ir-unicast-tunnel-mode>
          <ir-unicast-tunnel-state>
            ir-unicast-tunnel-state
          </ir-unicast-tunnel-state>
        </ir-unicast-tunnel-entry>
      </ir-unicast-tunnel>
    </ir-tunnel-entry>
  </ir-tunnel>
</ingress-replication-information>

```

**Description****<ir-unicast-tunnel-entry>****Usage**

```

<ingress-replication-information>
  <ir-unicast-tunnel>
    <ir-unicast-tunnel-entry>
      <ir-unicast-tunnel-dst>
        ir-unicast-tunnel-dst
      </ir-unicast-tunnel-dst>
      <ir-unicast-tunnel-type>
        ir-unicast-tunnel-type
      </ir-unicast-tunnel-type>
      <ir-unicast-tunnel-mode>
        ir-unicast-tunnel-mode
      </ir-unicast-tunnel-mode>
      <ir-unicast-tunnel-state>
        ir-unicast-tunnel-state
      </ir-unicast-tunnel-state>
    </ir-unicast-tunnel-entry>
  </ir-unicast-tunnel>
</ingress-replication-information>

```

**Description**

## <is-reachability>

### Usage

```
<isis-database-local>
  <isis-database-local-entry>
    <isis-database-local-data>
      <is-reachability>
        <isis-fragment>
          isis-fragment
        </isis-fragment>
        <isis-topology-id>
          isis-topology-id
        </isis-topology-id>
        <is-neighbor-id>
          is-neighbor-id
        </is-neighbor-id>
        <flags>
          flags
        </flags>
        <isis-pseudonode>
          isis-pseudonode
        </isis-pseudonode>
        <interface-name>
          interface-name
        </interface-name>
        <metric>
          metric
        </metric>
        <subtlv-size>
          subtlv-size
        </subtlv-size>
        <srlgtlv-size>
          srlgtlv-size
        </srlgtlv-size>
        <te-metric>
          te-metric
        </te-metric>
        <local-address>
          local-address
        </local-address>
        <remote-address>
          remote-address
        </remote-address>
        <local-ifindex>
          local-ifindex
        </local-ifindex>
        <remote-ifindex>
          remote-ifindex
        </remote-ifindex>
        <level>
          level
        </level>
      </is-reachability>
    </isis-database-local-data>
  </isis-database-local-entry>
</isis-database-local>
```

```
</isis-database-local>
```

## Description

**<isis-reachability>**

## Usage

```
<isis-database-local-information>
<isis-database-local>
  <isis-database-local-entry>
    <isis-database-local-data>
      <isis-reachability>
        <isis-fragment>
          isis-fragment
        </isis-fragment>
        <isis-topology-id>
          isis-topology-id
        </isis-topology-id>
        <isis-neighbor-id>
          isis-neighbor-id
        </isis-neighbor-id>
        <flags>
          flags
        </flags>
        <isis-pseudonode>
          isis-pseudonode
        </isis-pseudonode>
        <interface-name>
          interface-name
        </interface-name>
        <metric>
          metric
        </metric>
        <subtlv-size>
          subtlv-size
        </subtlv-size>
        <srlgtlv-size>
          srlgtlv-size
        </srlgtlv-size>
        <te-metric>
          te-metric
        </te-metric>
        <local-address>
          local-address
        </local-address>
        <remote-address>
          remote-address
        </remote-address>
        <local-ifindex>
          local-ifindex
        </local-ifindex>
        <remote-ifindex>
          remote-ifindex
        </remote-ifindex>
        <level>
```

```
    level
  </level>
</is-reachability>
</isis-database-local-data>
</isis-database-local-entry>
</isis-database-local>
</isis-database-local-information>
```

## Description

### <isis-adjacency>

#### Usage

```
<isis-adjacency>
  <interface-name>
    interface-name
  </interface-name>
  <system-name>
    system-name
  </system-name>
  <not-remote-address>
    not-remote-address
  </not-remote-address>
  <level>
    level
  </level>
  <adjacency-state>
    adjacency-state
  </adjacency-state>
  <holdtime>
    holdtime
  </holdtime>
  <interface-priority>
    interface-priority
  </interface-priority>
  <transition-count>
    transition-count
  </transition-count>
  <last-transition-time>
    last-transition-time
  </last-transition-time>
  <circuit-type>
    circuit-type
  </circuit-type>
  <adjacency-restart-capable>
    adjacency-restart-capable
  </adjacency-restart-capable>
  <adjacency-advertisement>
    adjacency-advertisement
  </adjacency-advertisement>
  <adjacency-flag>
    adjacency-flag
  </adjacency-flag>
  <adjacency-topologies>
    adjacency-topologies
```

```

</adjacency-topologies>
<mac-address>
  mac-address
</mac-address>
<lan-id>
  lan-id
</lan-id>
<ip-address>
  ip-address
</ip-address>
<ipv6-address>
  ipv6-address
</ipv6-address>
<snpa>
  snpa
</snpa>
<isis-adjacency-log>....</isis-adjacency-log>
</isis-adjacency>

```

## Description

### <isis-adjacency>

#### Usage

```

<isis-adjacency-information>
<isis-adjacency>
  <interface-name>
    interface-name
  </interface-name>
  <system-name>
    system-name
  </system-name>
  <not-remote-address>
    not-remote-address
  </not-remote-address>
  <level>
    level
  </level>
  <adjacency-state>
    adjacency-state
  </adjacency-state>
  <holdtime>
    holdtime
  </holdtime>
  <interface-priority>
    interface-priority
  </interface-priority>
  <transition-count>
    transition-count
  </transition-count>
  <last-transition-time>
    last-transition-time
  </last-transition-time>
  <circuit-type>
    circuit-type

```

```

</circuit-type>
<adjacency-restart-capable>
  adjacency-restart-capable
</adjacency-restart-capable>
<adjacency-advertisement>
  adjacency-advertisement
</adjacency-advertisement>
<adjacency-flag>
  adjacency-flag
</adjacency-flag>
<adjacency-topologies>
  adjacency-topologies
</adjacency-topologies>
<mac-address>
  mac-address
</mac-address>
<lan-id>
  lan-id
</lan-id>
<ip-address>
  ip-address
</ip-address>
<ipv6-address>
  ipv6-address
</ipv6-address>
<snpa>
  snpa
</snpa>
<isis-adjacency-log>....</isis-adjacency-log>
</isis-adjacency>
</isis-adjacency-information>

```

#### Description

### <isis-adjacency-information>

#### Usage

```

<isis-adjacency-information>
  <isis-adjacency>....</isis-adjacency>
</isis-adjacency-information>

```

#### Description

### <isis-adjacency-log>

#### Usage

```

<isis-adjacency>
  <isis-adjacency-log>
    <adjacency-when>
      adjacency-when
    </adjacency-when>
    <adjacency-state>
      adjacency-state
    </adjacency-state>
  </isis-adjacency-log>
</isis-adjacency>

```

```

<adjacency-event>
  adjacency-event
</adjacency-event>
<adjacency-down-reason>
  adjacency-down-reason
</adjacency-down-reason>
</isis-adjacency-log>
</isis-adjacency>

```

**Description** Entry describing adjacency transition

### <isis-adjacency-log>

#### Usage

```

<isis-adjacency-information>
<isis-adjacency>
  <isis-adjacency-log>
    <adjacency-when>
      adjacency-when
    </adjacency-when>
    <adjacency-state>
      adjacency-state
    </adjacency-state>
    <adjacency-event>
      adjacency-event
    </adjacency-event>
    <adjacency-down-reason>
      adjacency-down-reason
    </adjacency-down-reason>
  </isis-adjacency-log>
</isis-adjacency>
</isis-adjacency-information>

```

**Description** Entry describing adjacency transition

### <isis-authentication-information>

#### Usage

```

<isis-authentication-information>
  <isis-interface-authentication>....</isis-interface-authentication>
  <isis-lsp-authentication>....</isis-lsp-authentication>
</isis-authentication-information>

```

**Description** ISIS authentication information

### <isis-backup-coverage>

#### Usage

```

<isis-backup-coverage>
  <isis-topology-id>
    isis-topology-id

```

```
</isis-topology-id>
<level>
  level
</level>
<isis-node-coverage>
  isis-node-coverage
</isis-node-coverage>
<isis-route-coverage-ipv4>
  isis-route-coverage-ipv4
</isis-route-coverage-ipv4>
<isis-route-coverage-ipv6>
  isis-route-coverage-ipv6
</isis-route-coverage-ipv6>
<isis-route-coverage-clns>
  isis-route-coverage-clns
</isis-route-coverage-clns>
</isis-backup-coverage>
```

#### Description

### <isis-backup-coverage>

#### Usage

```
<isis-backup-coverage-information>
<isis-backup-coverage>
  <isis-topology-id>
    isis-topology-id
  </isis-topology-id>
  <level>
    level
  </level>
  <isis-node-coverage>
    isis-node-coverage
  </isis-node-coverage>
  <isis-route-coverage-ipv4>
    isis-route-coverage-ipv4
  </isis-route-coverage-ipv4>
  <isis-route-coverage-ipv6>
    isis-route-coverage-ipv6
  </isis-route-coverage-ipv6>
  <isis-route-coverage-clns>
    isis-route-coverage-clns
  </isis-route-coverage-clns>
</isis-backup-coverage>
</isis-backup-coverage-information>
```

#### Description

### <isis-backup-coverage-information>

#### Usage

```
<isis-backup-coverage-information>
<isis-backup-coverage>....</isis-backup-coverage>
```



</isis-backup-coverage-information>

**Description** ISIS backup coverage information

## <isis-backup-mplsp>

### Usage

```
<isis-backup-mplsp>
  <lsp-name>
    lsp-name
  </lsp-name>
  <lsp-status>
    lsp-status
  </lsp-status>
  <lsp-addr>
    lsp-addr
  </lsp-addr>
  <metric>
    metric
  </metric>
  <te-metric>
    te-metric
  </te-metric>
  <lsp-last-change>
    lsp-last-change
  </lsp-last-change>
  <lsp-refcount>
    lsp-refcount
  </lsp-refcount>
</isis-backup-mplsp>
```

### Description

## <isis-backup-mplsp>

### Usage

```
<isis-backup-mplsp-information>
  <isis-backup-mplsp>
    <lsp-name>
      lsp-name
    </lsp-name>
    <lsp-status>
      lsp-status
    </lsp-status>
    <lsp-addr>
      lsp-addr
    </lsp-addr>
    <metric>
      metric
    </metric>
    <te-metric>
      te-metric
    </te-metric>
```

```
<lsp-last-change>
  lsp-last-change
</lsp-last-change>
<lsp-refcount>
  lsp-refcount
</lsp-refcount>
</isis-backup-mplsp>
</isis-backup-mplsp-information>
```

#### Description

### <isis-backup-mplsp-information>

#### Usage

```
<isis-backup-mplsp-information>
  <isis-backup-mplsp>....</isis-backup-mplsp>
</isis-backup-mplsp-information>
```

**Description**    ISIS backup MPLSP information

### <isis-backup-spf-result>

#### Usage

```
<isis-overview>
<isis-spf-information>
  <isis-spf>
    <isis-backup-spf-result>
      <node-id>
        node-id
      </node-id>
      <node-address>
        node-address
      </node-address>
      <no-first-fragment>
        no-first-fragment
      </no-first-fragment>
      <backup-root>
        backup-root
      </backup-root>
      <backup-root-metric>
        backup-root-metric
      </backup-root-metric>
      <metric>
        metric
      </metric>
      <backup-root-preference>
        backup-root-preference
      </backup-root-preference>
      <track-item>
        track-item
      </track-item>
      <next-hop-element>....</next-hop-element>
      <backup-next-hop-element>....</backup-next-hop-element>
```

```

    <no-coverage-reason>
      no-coverage-reason
    </no-coverage-reason>
  </isis-backup-spf-result>
</isis-spf>
</isis-spf-information>
</isis-overview>

```

## Description

### <isis-backup-spf-result>

#### Usage

```

<isis-overview-information>
  <isis-overview>
    <isis-spf-information>
      <isis-spf>
        <isis-backup-spf-result>
          <node-id>
            node-id
          </node-id>
          <node-address>
            node-address
          </node-address>
          <no-first-fragment>
            no-first-fragment
          </no-first-fragment>
          <backup-root>
            backup-root
          </backup-root>
          <backup-root-metric>
            backup-root-metric
          </backup-root-metric>
          <metric>
            metric
          </metric>
          <backup-root-preference>
            backup-root-preference
          </backup-root-preference>
          <track-item>
            track-item
          </track-item>
          <next-hop-element>....</next-hop-element>
          <backup-next-hop-element>....</backup-next-hop-element>
          <no-coverage-reason>
            no-coverage-reason
          </no-coverage-reason>
        </isis-backup-spf-result>
      </isis-spf>
    </isis-spf-information>
  </isis-overview>
</isis-overview-information>

```

## Description

## <isis-backup-spf-result>

### Usage

```
<isis-backup-spf-result>
  <node-id>
    node-id
  </node-id>
  <node-address>
    node-address
  </node-address>
  <no-first-fragment>
    no-first-fragment
  </no-first-fragment>
  <backup-root>
    backup-root
  </backup-root>
  <backup-root-metric>
    backup-root-metric
  </backup-root-metric>
  <metric>
    metric
  </metric>
  <backup-root-preference>
    backup-root-preference
  </backup-root-preference>
  <track-item>
    track-item
  </track-item>
  <next-hop-element>....</next-hop-element>
  <backup-next-hop-element>....</backup-next-hop-element>
  <no-coverage-reason>
    no-coverage-reason
  </no-coverage-reason>
</isis-backup-spf-result>
```

### Description

## <isis-backup-spf-result>

### Usage

```
<isis-spf>
  <isis-backup-spf-result>
    <node-id>
      node-id
    </node-id>
    <node-address>
      node-address
    </node-address>
    <no-first-fragment>
      no-first-fragment
    </no-first-fragment>
    <backup-root>
      backup-root
    </backup-root>
```

```

<backup-root-metric>
  backup-root-metric
</backup-root-metric>
<metric>
  metric
</metric>
<backup-root-preference>
  backup-root-preference
</backup-root-preference>
<track-item>
  track-item
</track-item>
<next-hop-element>....</next-hop-element>
<backup-next-hop-element>....</backup-next-hop-element>
<no-coverage-reason>
  no-coverage-reason
</no-coverage-reason>
</isis-backup-spf-result>
</isis-spf>

```

#### Description

### <isis-backup-spf-result>

#### Usage

```

<isis-spf-information>
<isis-spf>
  <isis-backup-spf-result>
    <node-id>
      node-id
    </node-id>
    <node-address>
      node-address
    </node-address>
    <no-first-fragment>
      no-first-fragment
    </no-first-fragment>
    <backup-root>
      backup-root
    </backup-root>
    <backup-root-metric>
      backup-root-metric
    </backup-root-metric>
    <metric>
      metric
    </metric>
    <backup-root-preference>
      backup-root-preference
    </backup-root-preference>
    <track-item>
      track-item
    </track-item>
    <next-hop-element>....</next-hop-element>
    <backup-next-hop-element>....</backup-next-hop-element>
    <no-coverage-reason>

```

```
        no-coverage-reason
      </no-coverage-reason>
    </isis-backup-spf-result>
  </isis-spf>
</isis-spf-information>
```

#### Description

### <isis-context>

#### Usage

```
<isis-context>
  <isis-context-id>
    isis-context-id
  </isis-context-id>
  <isis-context-level>
    isis-context-level
  </isis-context-level>
  <isis-context-owner-proto>
    isis-context-owner-proto
  </isis-context-owner-proto>
  <isis-context-role>
    isis-context-role
  </isis-context-role>
  <isis-context-primary>
    isis-context-primary
  </isis-context-primary>
  <isis-context-metric>
    isis-context-metric
  </isis-context-metric>
  <isis-context-advertiser-router-id>
    isis-context-advertiser-router-id
  </isis-context-advertiser-router-id>
  <isis-context-advertiser>
    isis-context-advertiser
  </isis-context-advertiser>
  <isis-context-advertiser-metric>
    isis-context-advertiser-metric
  </isis-context-advertiser-metric>
  <isis-context-advertiser-level>
    isis-context-advertiser-level
  </isis-context-advertiser-level>
</isis-context>
```

#### Description

### <isis-context>

#### Usage

```
<isis-context-information>
  <isis-context>
    <isis-context-id>
      isis-context-id
    </isis-context-id>
```

```

<isis-context-level>
  isis-context-level
</isis-context-level>
<isis-context-owner-proto>
  isis-context-owner-proto
</isis-context-owner-proto>
<isis-context-role>
  isis-context-role
</isis-context-role>
<isis-context-primary>
  isis-context-primary
</isis-context-primary>
<isis-context-metric>
  isis-context-metric
</isis-context-metric>
<isis-context-advertiser-router-id>
  isis-context-advertiser-router-id
</isis-context-advertiser-router-id>
<isis-context-advertiser>
  isis-context-advertiser
</isis-context-advertiser>
<isis-context-advertiser-metric>
  isis-context-advertiser-metric
</isis-context-advertiser-metric>
<isis-context-advertiser-level>
  isis-context-advertiser-level
</isis-context-advertiser-level>
</isis-context>
</isis-context-information>

```

**Description****<isis-context-information>****Usage**

```

<isis-context-information>
  <isis-context>....</isis-context>
</isis-context-information>

```

**Description** Context information for an IS-IS instance

**<isis-context-information-local>****Usage**

```

<isis-context-information-local>
  <isis-context-local>....</isis-context-local>
</isis-context-information-local>

```

**Description** Context information for an IS-IS instance

## <isis-context-local>

### Usage

```
<isis-context-local>
  <context-id-local>
    context-id-local
  </context-id-local>
  <context-level1-state>
    context-level1-state
  </context-level1-state>
  <context-level2-state>
    context-level2-state
  </context-level2-state>
  <metric-one>
    metric-one
  </metric-one>
  <metric-two>
    metric-two
  </metric-two>
</isis-context-local>
```

### Description

## <isis-context-local>

### Usage

```
<isis-context-information-local>
  <isis-context-local>
    <context-id-local>
      context-id-local
    </context-id-local>
    <context-level1-state>
      context-level1-state
    </context-level1-state>
    <context-level2-state>
      context-level2-state
    </context-level2-state>
    <metric-one>
      metric-one
    </metric-one>
    <metric-two>
      metric-two
    </metric-two>
  </isis-context-local>
</isis-context-information-local>
```

### Description

## <isis-database>

### Usage

```
<isis-database>
  <level>
```



```

    level
  </level>
  <isis-database-entry>....</isis-database-entry>
  <lsp-count>
    lsp-count
  </lsp-count>
</isis-database>

```

#### Description

#### <isis-database>

#### Usage

```

<isis-database-information>
  <isis-database>
    <level>
      level
    </level>
    <isis-database-entry>....</isis-database-entry>
    <lsp-count>
      lsp-count
    </lsp-count>
  </isis-database>
</isis-database-information>

```

#### Description

#### <isis-database-entry>

#### Usage

```

<isis-database-entry>
  <lsp-id>
    lsp-id
  </lsp-id>
  <sequence-number>
    sequence-number
  </sequence-number>
  <checksum>
    checksum
  </checksum>
  <remaining-lifetime>
    remaining-lifetime
  </remaining-lifetime>
  <lsp-attributes>
    lsp-attributes
  </lsp-attributes>
  <isis-neighbor>....</isis-neighbor>
  <isis-prefix>....</isis-prefix>
  <isis-header>....</isis-header>
  <isis-packet>....</isis-packet>
  <lsp-stub>
    lsp-stub
  </lsp-stub>
  <isis-tlv>....</isis-tlv>

```

```
<transmission-status>....</transmission-status>
<isis-es-neighbor>....</isis-es-neighbor>
</isis-database-entry>
```

#### Description

### <isis-database-entry>

#### Usage

```
<isis-database>
<isis-database-entry>
  <lsp-id>
    lsp-id
  </lsp-id>
  <sequence-number>
    sequence-number
  </sequence-number>
  <checksum>
    checksum
  </checksum>
  <remaining-lifetime>
    remaining-lifetime
  </remaining-lifetime>
  <lsp-attributes>
    lsp-attributes
  </lsp-attributes>
  <isis-neighbor>....</isis-neighbor>
  <isis-prefix>....</isis-prefix>
  <isis-header>....</isis-header>
  <isis-packet>....</isis-packet>
  <lsp-stub>
    lsp-stub
  </lsp-stub>
  <isis-tlv>....</isis-tlv>
  <transmission-status>....</transmission-status>
  <isis-es-neighbor>....</isis-es-neighbor>
</isis-database-entry>
</isis-database>
```

#### Description

### <isis-database-entry>

#### Usage

```
<isis-database-information>
<isis-database>
  <isis-database-entry>
    <lsp-id>
      lsp-id
    </lsp-id>
    <sequence-number>
      sequence-number
    </sequence-number>
    <checksum>
```

```

checksum
</checksum>
<remaining-lifetime>
  remaining-lifetime
</remaining-lifetime>
<lsp-attributes>
  lsp-attributes
</lsp-attributes>
<isis-neighbor>....</isis-neighbor>
<isis-prefix>....</isis-prefix>
<isis-header>....</isis-header>
<isis-packet>....</isis-packet>
<lsp-stub>
  lsp-stub
</lsp-stub>
<isis-tlv>....</isis-tlv>
<transmission-status>....</transmission-status>
<isis-es-neighbor>....</isis-es-neighbor>
</isis-database-entry>
</isis-database>
</isis-database-information>

```

**Description****<isis-database-information>****Usage**

```

<isis-database-information>
  <isis-database>....</isis-database>
</isis-database-information>

```

**Description****<isis-database-local>****Usage**

```

<isis-database-local>
  <level>
    level
  </level>
  <isis-database-local-entry>....</isis-database-local-entry>
</isis-database-local>

```

**Description** Information about one or more entries in the IS-IS database that originated locally

**<isis-database-local>****Usage**

```

<isis-database-local-information>
  <isis-database-local>
    <level>
      level
    </level>
  </isis-database-local>

```

```
</level>
<isis-database-local-entry>....</isis-database-local-entry>
</isis-database-local>
</isis-database-local-information>
```

**Description** Information about one or more entries in the IS-IS database that originated locally

### <isis-database-local-data>

#### Usage

```
<isis-database-local>
<isis-database-local-entry>
  <isis-database-local-data>
    <isis-database-local-data-type>
      isis-database-local-data-type
    </isis-database-local-data-type>
    <isis-database-local-data-name>
      isis-database-local-data-name
    </isis-database-local-data-name>
    <tlv-size>
      tlv-size
    </tlv-size>
    <address>
      address
    </address>
    <protocol>
      protocol
    </protocol>
    <mtid>
      mtid
    </mtid>
    <router-id>
      router-id
    </router-id>
    <hostname>
      hostname
    </hostname>
    <prefix-reachability>....</prefix-reachability>
    <is-reachability>....</is-reachability>
    <unknown-local-data>
      unknown-local-data
    </unknown-local-data>
  </isis-database-local-data>
</isis-database-local-entry>
</isis-database-local>
```

#### Description

### <isis-database-local-data>

#### Usage

```
<isis-database-local-information>
<isis-database-local>
```

```

<isis-database-local-entry>
  <isis-database-local-data>
    <isis-database-local-data-type>
      isis-database-local-data-type
    </isis-database-local-data-type>
    <isis-database-local-data-name>
      isis-database-local-data-name
    </isis-database-local-data-name>
    <tlv-size>
      tlv-size
    </tlv-size>
    <address>
      address
    </address>
    <protocol>
      protocol
    </protocol>
    <mtid>
      mtid
    </mtid>
    <router-id>
      router-id
    </router-id>
    <hostname>
      hostname
    </hostname>
    <prefix-reachability>....</prefix-reachability>
    <is-reachability>....</is-reachability>
    <unknown-local-data>
      unknown-local-data
    </unknown-local-data>
  </isis-database-local-data>
</isis-database-local-entry>
</isis-database-local>
</isis-database-local-information>

```

## Description

### <isis-database-local-entry>

#### Usage

```

<isis-database-local>
  <isis-database-local-entry>
    <lsp-id>
      lsp-id
    </lsp-id>
    <sequence-number>
      sequence-number
    </sequence-number>
    <checksum>
      checksum
    </checksum>
    <remaining-lifetime>
      remaining-lifetime
    </remaining-lifetime>
  </isis-database-local-entry>
</isis-database-local>

```

```
<lsp-attributes>
  lsp-attributes
</lsp-attributes>
<isis-database-local-data>....</isis-database-local-data>
<estimated-free-bytes>
  estimated-free-bytes
</estimated-free-bytes>
</isis-database-local-entry>
</isis-database-local>
```

**Description** Information about an entry that originated locally

### <isis-database-local-entry>

#### Usage

```
<isis-database-local-information>
<isis-database-local>
  <isis-database-local-entry>
    <lsp-id>
      lsp-id
    </lsp-id>
    <sequence-number>
      sequence-number
    </sequence-number>
    <checksum>
      checksum
    </checksum>
    <remaining-lifetime>
      remaining-lifetime
    </remaining-lifetime>
    <lsp-attributes>
      lsp-attributes
    </lsp-attributes>
    <isis-database-local-data>....</isis-database-local-data>
    <estimated-free-bytes>
      estimated-free-bytes
    </estimated-free-bytes>
  </isis-database-local-entry>
</isis-database-local>
</isis-database-local-information>
```

**Description** Information about an entry that originated locally

### <isis-database-local-information>

#### Usage

```
<isis-database-local-information>
  <isis-database-local>....</isis-database-local>
</isis-database-local-information>
```

#### Description

**<isis-es-neighbor>****Usage**

```

<isis-es-neighbor>
  <es-neighbor-id>
    es-neighbor-id
  </es-neighbor-id>
  <metric>
    metric
  </metric>
  <reachability-delay>
    reachability-delay
  </reachability-delay>
  <reachability-expense>
    reachability-expense
  </reachability-expense>
  <reachability-error>
    reachability-error
  </reachability-error>
</isis-es-neighbor>

```

**Description****<isis-es-neighbor>****Usage**

```

<isis-database-entry>
  <isis-es-neighbor>
    <es-neighbor-id>
      es-neighbor-id
    </es-neighbor-id>
    <metric>
      metric
    </metric>
    <reachability-delay>
      reachability-delay
    </reachability-delay>
    <reachability-expense>
      reachability-expense
    </reachability-expense>
    <reachability-error>
      reachability-error
    </reachability-error>
  </isis-es-neighbor>
</isis-database-entry>

```

**Description****<isis-es-neighbor>****Usage**

```

<isis-database>
  <isis-database-entry>

```

```
<isis-es-neighbor>
  <es-neighbor-id>
    es-neighbor-id
  </es-neighbor-id>
  <metric>
    metric
  </metric>
  <reachability-delay>
    reachability-delay
  </reachability-delay>
  <reachability-expense>
    reachability-expense
  </reachability-expense>
  <reachability-error>
    reachability-error
  </reachability-error>
</isis-es-neighbor>
</isis-database-entry>
</isis-database>
```

#### Description

**<isis-es-neighbor>**

#### Usage

```
<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-es-neighbor>
        <es-neighbor-id>
          es-neighbor-id
        </es-neighbor-id>
        <metric>
          metric
        </metric>
        <reachability-delay>
          reachability-delay
        </reachability-delay>
        <reachability-expense>
          reachability-expense
        </reachability-expense>
        <reachability-error>
          reachability-error
        </reachability-error>
      </isis-es-neighbor>
    </isis-database-entry>
  </isis-database>
</isis-database-information>
```

#### Description



**<isis-header>****Usage**

```

<isis-header>
  <lsp-id>
    lsp-id
  </lsp-id>
  <pdu-length>
    pdu-length
  </pdu-length>
  <allocated-length>
    allocated-length
  </allocated-length>
  <router-id>
    router-id
  </router-id>
  <remaining-lifetime>
    remaining-lifetime
  </remaining-lifetime>
  <level>
    level
  </level>
  <interface-index>
    interface-index
  </interface-index>
  <estimated-free-bytes>
    estimated-free-bytes
  </estimated-free-bytes>
  <actual-free-bytes>
    actual-free-bytes
  </actual-free-bytes>
  <lsdb-timer-type>
    lsdb-timer-type
  </lsdb-timer-type>
  <lsdb-expiration-time>
    lsdb-expiration-time
  </lsdb-expiration-time>
  <needs-rebuild>
    needs-rebuild
  </needs-rebuild>
  <protocol>
    protocol
  </protocol>
</isis-header>

```

**Description****<isis-header>****Usage**

```

<isis-database-entry>
  <isis-header>
    <lsp-id>
      lsp-id
    </lsp-id>
  </isis-header>

```

```
</lsp-id>
<pdu-length>
  pdu-length
</pdu-length>
<allocated-length>
  allocated-length
</allocated-length>
<router-id>
  router-id
</router-id>
<remaining-lifetime>
  remaining-lifetime
</remaining-lifetime>
<level>
  level
</level>
<interface-index>
  interface-index
</interface-index>
<estimated-free-bytes>
  estimated-free-bytes
</estimated-free-bytes>
<actual-free-bytes>
  actual-free-bytes
</actual-free-bytes>
<lsdb-timer-type>
  lsdb-timer-type
</lsdb-timer-type>
<lsdb-expiration-time>
  lsdb-expiration-time
</lsdb-expiration-time>
<needs-rebuild>
  needs-rebuild
</needs-rebuild>
<protocol>
  protocol
</protocol>
</isis-header>
</isis-database-entry>
```

## Description

<isis-header>

## Usage

```
<isis-database>
<isis-database-entry>
  <isis-header>
    <lsp-id>
      lsp-id
    </lsp-id>
    <pdu-length>
      pdu-length
    </pdu-length>
    <allocated-length>
```

```

    allocated-length
  </allocated-length>
  <router-id>
    router-id
  </router-id>
  <remaining-lifetime>
    remaining-lifetime
  </remaining-lifetime>
  <level>
    level
  </level>
  <interface-index>
    interface-index
  </interface-index>
  <estimated-free-bytes>
    estimated-free-bytes
  </estimated-free-bytes>
  <actual-free-bytes>
    actual-free-bytes
  </actual-free-bytes>
  <lsdb-timer-type>
    lsdb-timer-type
  </lsdb-timer-type>
  <lsdb-expiration-time>
    lsdb-expiration-time
  </lsdb-expiration-time>
  <needs-rebuild>
    needs-rebuild
  </needs-rebuild>
  <protocol>
    protocol
  </protocol>
</isis-header>
</isis-database-entry>
</isis-database>

```

## Description

### <isis-header>

## Usage

```

<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-header>
        <lsp-id>
          lsp-id
        </lsp-id>
        <pdu-length>
          pdu-length
        </pdu-length>
        <allocated-length>
          allocated-length
        </allocated-length>
        <router-id>

```

```
    router-id
  </router-id>
  <remaining-lifetime>
    remaining-lifetime
  </remaining-lifetime>
  <level>
    level
  </level>
  <interface-index>
    interface-index
  </interface-index>
  <estimated-free-bytes>
    estimated-free-bytes
  </estimated-free-bytes>
  <actual-free-bytes>
    actual-free-bytes
  </actual-free-bytes>
  <lsdb-timer-type>
    lsdb-timer-type
  </lsdb-timer-type>
  <lsdb-expiration-time>
    lsdb-expiration-time
  </lsdb-expiration-time>
  <needs-rebuild>
    needs-rebuild
  </needs-rebuild>
  <protocol>
    protocol
  </protocol>
</isis-header>
</isis-database-entry>
</isis-database>
</isis-database-information>
```

## Description

<isis-hostname>

## Usage

```
<isis-hostname>
  <system-id>
    system-id
  </system-id>
  <system-name>
    system-name
  </system-name>
  <isis-hostname-type>
    isis-hostname-type
  </isis-hostname-type>
</isis-hostname>
```

**Description**    Entry in the system-ID-to-hostname mapping table

**<isis-hostname>****Usage**

```

<isis-hostname-information>
  <isis-hostname>
    <system-id>
      system-id
    </system-id>
    <system-name>
      system-name
    </system-name>
    <isis-hostname-type>
      isis-hostname-type
    </isis-hostname-type>
  </isis-hostname>
</isis-hostname-information>

```

**Description** Entry in the system-ID-to-hostname mapping table

**<isis-hostname-information>****Usage**

```

<isis-hostname-information>
  <isis-hostname>....</isis-hostname>
</isis-hostname-information>

```

**Description** System-ID-to-hostname mapping table

**<isis-interface>****Usage**

```

<isis-interface>
  <interface-name>
    interface-name
  </interface-name>
  <circuit-type>
    circuit-type
  </circuit-type>
  <circuit-id>
    circuit-id
  </circuit-id>
  <isis-interface-state-one>
    isis-interface-state-one
  </isis-interface-state-one>
  <isis-interface-state-two>
    isis-interface-state-two
  </isis-interface-state-two>
  <interface-disabled-flag>
    interface-disabled-flag
  </interface-disabled-flag>
  <dr-id-one>
    dr-id-one

```

```
</dr-id-one>
<dr-id-two>
  dr-id-two
</dr-id-two>
<metric-one>
  metric-one
</metric-one>
<metric-two>
  metric-two
</metric-two>
<interface-index>
  interface-index
</interface-index>
<interface-state-value>
  interface-state-value
</interface-state-value>
<lsp-interval>
  lsp-interval
</lsp-interval>
<csnp-interval>
  csnp-interval
</csnp-interval>
<hello-padding>
  hello-padding
</hello-padding>
<interface-protection-type>
  interface-protection-type
</interface-protection-type>
<no-eligible-backup>
  no-eligible-backup
</no-eligible-backup>
<system-name>
  system-name
</system-name>
<mesh-group>
  mesh-group
</mesh-group>
<adjacency-advertisement>
  adjacency-advertisement
</adjacency-advertisement>
<interface-level-data>....</interface-level-data>
<igp-ldp-sync-holdtime>
  igp-ldp-sync-holdtime
</igp-ldp-sync-holdtime>
<igp-ldp-sync-state>
  igp-ldp-sync-state
</igp-ldp-sync-state>
<igp-ldp-sync-last-change>
  igp-ldp-sync-last-change
</igp-ldp-sync-last-change>
<igp-ldp-sync-reason>
  igp-ldp-sync-reason
</igp-ldp-sync-reason>
<igp-ldp-sync-timeleft>
  igp-ldp-sync-timeleft
</igp-ldp-sync-timeleft>
```

</isis-interface>

## Description

<isis-interface>

## Usage

```
<isis-interface-information>
  <isis-interface>
    <interface-name>
      interface-name
    </interface-name>
    <circuit-type>
      circuit-type
    </circuit-type>
    <circuit-id>
      circuit-id
    </circuit-id>
    <isis-interface-state-one>
      isis-interface-state-one
    </isis-interface-state-one>
    <isis-interface-state-two>
      isis-interface-state-two
    </isis-interface-state-two>
    <interface-disabled-flag>
      interface-disabled-flag
    </interface-disabled-flag>
    <dr-id-one>
      dr-id-one
    </dr-id-one>
    <dr-id-two>
      dr-id-two
    </dr-id-two>
    <metric-one>
      metric-one
    </metric-one>
    <metric-two>
      metric-two
    </metric-two>
    <interface-index>
      interface-index
    </interface-index>
    <interface-state-value>
      interface-state-value
    </interface-state-value>
    <lsp-interval>
      lsp-interval
    </lsp-interval>
    <csnp-interval>
      csnp-interval
    </csnp-interval>
    <hello-padding>
      hello-padding
    </hello-padding>
    <interface-protection-type>
```

```
    interface-protection-type
  </interface-protection-type>
  <no-eligible-backup>
    no-eligible-backup
  </no-eligible-backup>
  <system-name>
    system-name
  </system-name>
  <mesh-group>
    mesh-group
  </mesh-group>
  <adjacency-advertisement>
    adjacency-advertisement
  </adjacency-advertisement>
  <interface-level-data>....</interface-level-data>
  <igp-ldp-sync-holdtime>
    igp-ldp-sync-holdtime
  </igp-ldp-sync-holdtime>
  <igp-ldp-sync-state>
    igp-ldp-sync-state
  </igp-ldp-sync-state>
  <igp-ldp-sync-last-change>
    igp-ldp-sync-last-change
  </igp-ldp-sync-last-change>
  <igp-ldp-sync-reason>
    igp-ldp-sync-reason
  </igp-ldp-sync-reason>
  <igp-ldp-sync-timeleft>
    igp-ldp-sync-timeleft
  </igp-ldp-sync-timeleft>
</isis-interface>
</isis-interface-information>
```

#### Description

### <isis-interface-authentication>

#### Usage

```
<isis-interface-authentication>
  <interface-name>
    interface-name
  </interface-name>
  <isis-interface-level-authentication>....</isis-interface-level-authentication>
</isis-interface-authentication>
```

#### Description

### <isis-interface-authentication>

#### Usage

```
<isis-authentication-information>
  <isis-interface-authentication>
    <interface-name>
      interface-name
```



```

    </interface-name>
    <isis-interface-level-authentication>....</isis-interface-level-authentication>
  </isis-interface-authentication>
</isis-authentication-information>

```

#### Description

### <isis-interface-information>

#### Usage

```

<isis-interface-information>
  <isis-interface>....</isis-interface>
</isis-interface-information>

```

#### Description

### <isis-interface-level-authentication>

#### Usage

```

<isis-interface-level-authentication>
  <level>
    level
  </level>
  <isis-interface-level-iih-authentication>
    isis-interface-level-iih-authentication
  </isis-interface-level-iih-authentication>
  <isis-interface-level-csn-authentication>
    isis-interface-level-csn-authentication
  </isis-interface-level-csn-authentication>
  <isis-interface-level-psn-authentication>
    isis-interface-level-psn-authentication
  </isis-interface-level-psn-authentication>
</isis-interface-level-authentication>

```

#### Description

### <isis-interface-level-authentication>

#### Usage

```

<isis-interface-authentication>
  <isis-interface-level-authentication>
    <level>
      level
    </level>
    <isis-interface-level-iih-authentication>
      isis-interface-level-iih-authentication
    </isis-interface-level-iih-authentication>
    <isis-interface-level-csn-authentication>
      isis-interface-level-csn-authentication
    </isis-interface-level-csn-authentication>
    <isis-interface-level-psn-authentication>
      isis-interface-level-psn-authentication
    </isis-interface-level-psn-authentication>
  </isis-interface-level-authentication>

```

```
</isis-interface-level-authentication>
</isis-interface-authentication>
```

#### Description

### <isis-interface-level-authentication>

#### Usage

```
<isis-authentication-information>
<isis-interface-authentication>
  <isis-interface-level-authentication>
    <level>
      level
    </level>
    <isis-interface-level-iih-authentication>
      isis-interface-level-iih-authentication
    </isis-interface-level-iih-authentication>
    <isis-interface-level-csn-authentication>
      isis-interface-level-csn-authentication
    </isis-interface-level-csn-authentication>
    <isis-interface-level-psn-authentication>
      isis-interface-level-psn-authentication
    </isis-interface-level-psn-authentication>
  </isis-interface-level-authentication>
</isis-interface-authentication>
</isis-authentication-information>
```

#### Description

### <isis-interface-level-topology>

#### Usage

```
<interface-level-data>
  <isis-interface-level-topology>
    <isis-topology-id>
      isis-topology-id
    </isis-topology-id>
    <isis-topology-metric>
      isis-topology-metric
    </isis-topology-metric>
  </isis-interface-level-topology>
</interface-level-data>
```

**Description** Topology-specific information for an interface level

### <isis-interface-level-topology>

#### Usage

```
<isis-interface>
  <interface-level-data>
    <isis-interface-level-topology>
      <isis-topology-id>
```

```

        isis-topology-id
      </isis-topology-id>
      <isis-topology-metric>
        isis-topology-metric
      </isis-topology-metric>
    </isis-interface-level-topology>
  </interface-level-data>
</isis-interface>

```

**Description** Topology-specific information for an interface level

### <isis-interface-level-topology>

#### Usage

```

<isis-interface-information>
  <isis-interface>
    <interface-level-data>
      <isis-interface-level-topology>
        <isis-topology-id>
          isis-topology-id
        </isis-topology-id>
        <isis-topology-metric>
          isis-topology-metric
        </isis-topology-metric>
      </isis-interface-level-topology>
    </interface-level-data>
  </isis-interface>
</isis-interface-information>

```

**Description** Topology-specific information for an interface level

### <isis-iso-prefix-tlv>

#### Usage

```

<isis-tlv>
  <isis-iso-prefix-tlv>
    <metric>
      metric
    </metric>
    <metric-flag>
      metric-flag
    </metric-flag>
    <reachability-delay>
      reachability-delay
    </reachability-delay>
    <reachability-expense>
      reachability-expense
    </reachability-expense>
    <reachability-error>
      reachability-error
    </reachability-error>
    <prefix-status>

```

```
    prefix-status
  </prefix-status>
  <iso-prefix>
    iso-prefix
  </iso-prefix>
</isis-iso-prefix-tlv>
</isis-tlv>
```

#### Description

<isis-iso-prefix-tlv>

#### Usage

```
<isis-database-entry>
  <isis-tlv>
    <isis-iso-prefix-tlv>
      <metric>
        metric
      </metric>
      <metric-flag>
        metric-flag
      </metric-flag>
      <reachability-delay>
        reachability-delay
      </reachability-delay>
      <reachability-expense>
        reachability-expense
      </reachability-expense>
      <reachability-error>
        reachability-error
      </reachability-error>
      <prefix-status>
        prefix-status
      </prefix-status>
      <iso-prefix>
        iso-prefix
      </iso-prefix>
    </isis-iso-prefix-tlv>
  </isis-tlv>
</isis-database-entry>
```

#### Description

<isis-iso-prefix-tlv>

#### Usage

```
<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <isis-iso-prefix-tlv>
        <metric>
          metric
        </metric>
        <metric-flag>
```

```

        metric-flag
      </metric-flag>
    <reachability-delay>
      reachability-delay
    </reachability-delay>
    <reachability-expense>
      reachability-expense
    </reachability-expense>
    <reachability-error>
      reachability-error
    </reachability-error>
    <prefix-status>
      prefix-status
    </prefix-status>
    <iso-prefix>
      iso-prefix
    </iso-prefix>
  </isis-iso-prefix-tlv>
</isis-tlv>
</isis-database-entry>
</isis-database>

```

## Description

### <isis-iso-prefix-tlv>

#### Usage

```

<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <isis-iso-prefix-tlv>
          <metric>
            metric
          </metric>
          <metric-flag>
            metric-flag
          </metric-flag>
          <reachability-delay>
            reachability-delay
          </reachability-delay>
          <reachability-expense>
            reachability-expense
          </reachability-expense>
          <reachability-error>
            reachability-error
          </reachability-error>
          <prefix-status>
            prefix-status
          </prefix-status>
          <iso-prefix>
            iso-prefix
          </iso-prefix>
        </isis-iso-prefix-tlv>
      </isis-tlv>
    </isis-database-entry>
  </isis-database>
</isis-database-information>

```

```
</isis-database-entry>
</isis-database>
</isis-database-information>
```

### Description

## <isis-level-information>

### Usage

```
<isis-overview>
  <isis-level-information>
    <isis-level>
      isis-level
    </isis-level>
    <isis-preference>
      isis-preference
    </isis-preference>
    <isis-external-preference>
      isis-external-preference
    </isis-external-preference>
    <isis-prefix-export-limit>
      isis-prefix-export-limit
    </isis-prefix-export-limit>
    <isis-narrow-metrics>
      isis-narrow-metrics
    </isis-narrow-metrics>
    <isis-wide-metrics>
      isis-wide-metrics
    </isis-wide-metrics>
  </isis-level-information>
</isis-overview>
```

**Description** IS-IS Level Information

## <isis-level-information>

### Usage

```
<isis-overview-information>
  <isis-overview>
    <isis-level-information>
      <isis-level>
        isis-level
      </isis-level>
      <isis-preference>
        isis-preference
      </isis-preference>
      <isis-external-preference>
        isis-external-preference
      </isis-external-preference>
      <isis-prefix-export-limit>
        isis-prefix-export-limit
      </isis-prefix-export-limit>
      <isis-narrow-metrics>
```

```

        isis-narrow-metrics
      </isis-narrow-metrics>
    <isis-wide-metrics>
      isis-wide-metrics
    </isis-wide-metrics>
  </isis-level-information>
</isis-overview>
</isis-overview-information>

```

**Description** IS-IS Level Information

### <isis-lsp-authentication>

#### Usage

```

<isis-lsp-authentication>
  <level>
    level
  </level>
  <isis-level-lsp-authentication>
    isis-level-lsp-authentication
  </isis-level-lsp-authentication>
</isis-lsp-authentication>

```

**Description** Authentication type for LSP packets

### <isis-lsp-authentication>

#### Usage

```

<isis-authentication-information>
  <isis-lsp-authentication>
    <level>
      level
    </level>
    <isis-level-lsp-authentication>
      isis-level-lsp-authentication
    </isis-level-lsp-authentication>
  </isis-lsp-authentication>
</isis-authentication-information>

```

**Description** Authentication type for LSP packets

### <isis-neighbor>

#### Usage

```

<isis-neighbor>
  <isis-topology-id>
    isis-topology-id
  </isis-topology-id>
  <isis-neighbor-id>
    is-neighbor-id
  </isis-neighbor-id>

```

```
<metric>
  metric
</metric>
<two-way-lsp-id>
  two-way-lsp-id
</two-way-lsp-id>
<firstfrag-lsp-id>
  firstfrag-lsp-id
</firstfrag-lsp-id>
<reachability-delay>
  reachability-delay
</reachability-delay>
<reachability-expense>
  reachability-expense
</reachability-expense>
<reachability-error>
  reachability-error
</reachability-error>
</isis-neighbor>
```

#### Description

### <isis-neighbor>

#### Usage

```
<isis-database-entry>
  <isis-neighbor>
    <isis-topology-id>
      isis-topology-id
    </isis-topology-id>
    <is-neighbor-id>
      is-neighbor-id
    </is-neighbor-id>
    <metric>
      metric
    </metric>
    <two-way-lsp-id>
      two-way-lsp-id
    </two-way-lsp-id>
    <firstfrag-lsp-id>
      firstfrag-lsp-id
    </firstfrag-lsp-id>
    <reachability-delay>
      reachability-delay
    </reachability-delay>
    <reachability-expense>
      reachability-expense
    </reachability-expense>
    <reachability-error>
      reachability-error
    </reachability-error>
  </isis-neighbor>
</isis-database-entry>
```



**Description****<isis-neighbor>****Usage**

```
<isis-database>
<isis-database-entry>
  <isis-neighbor>
    <isis-topology-id>
      isis-topology-id
    </isis-topology-id>
    <is-neighbor-id>
      is-neighbor-id
    </is-neighbor-id>
    <metric>
      metric
    </metric>
    <two-way-lsp-id>
      two-way-lsp-id
    </two-way-lsp-id>
    <firstfrag-lsp-id>
      firstfrag-lsp-id
    </firstfrag-lsp-id>
    <reachability-delay>
      reachability-delay
    </reachability-delay>
    <reachability-expense>
      reachability-expense
    </reachability-expense>
    <reachability-error>
      reachability-error
    </reachability-error>
  </isis-neighbor>
</isis-database-entry>
</isis-database>
```

**Description****<isis-neighbor>****Usage**

```
<isis-database-information>
<isis-database>
  <isis-database-entry>
    <isis-neighbor>
      <isis-topology-id>
        isis-topology-id
      </isis-topology-id>
      <is-neighbor-id>
        is-neighbor-id
      </is-neighbor-id>
      <metric>
        metric
      </metric>
      <two-way-lsp-id>
```

```
    two-way-lsp-id
  </two-way-lsp-id>
  <firstfrag-lsp-id>
    firstfrag-lsp-id
  </firstfrag-lsp-id>
  <reachability-delay>
    reachability-delay
  </reachability-delay>
  <reachability-expense>
    reachability-expense
  </reachability-expense>
  <reachability-error>
    reachability-error
  </reachability-error>
</isis-neighbor>
</isis-database-entry>
</isis-database>
</isis-database-information>
```

#### Description

### <isis-overload-information>

#### Usage

```
<isis-overview>
  <isis-overload-information>
    <isis-overload-enabled>
      isis-overload-enabled
    </isis-overload-enabled>
    <isis-overload-high-metrics>
      isis-overload-high-metrics
    </isis-overload-high-metrics>
    <isis-overload-allow-route-leaking>
      isis-overload-allow-route-leaking
    </isis-overload-allow-route-leaking>
    <isis-overload-timeout>
      isis-overload-timeout
    </isis-overload-timeout>
    <isis-overload-remaining-time>
      isis-overload-remaining-time
    </isis-overload-remaining-time>
  </isis-overload-information>
</isis-overview>
```

**Description**    Overload bit behaviour at startup

### <isis-overload-information>

#### Usage

```
<isis-overview-information>
  <isis-overview>
    <isis-overload-information>
      <isis-overload-enabled>
```

```

    isis-overload-enabled
  </isis-overload-enabled>
  <isis-overload-high-metrics>
    isis-overload-high-metrics
  </isis-overload-high-metrics>
  <isis-overload-allow-route-leaking>
    isis-overload-allow-route-leaking
  </isis-overload-allow-route-leaking>
  <isis-overload-timeout>
    isis-overload-timeout
  </isis-overload-timeout>
  <isis-overload-remaining-time>
    isis-overload-remaining-time
  </isis-overload-remaining-time>
</isis-overload-information>
</isis-overview>
</isis-overview-information>

```

**Description**    Overload bit behaviour at startup

## <isis-overview>

### Usage

```

<isis-overview>
  <instance-name>
    instance-name
  </instance-name>
  <isis-router-id>
    isis-router-id
  </isis-router-id>
  <isis-max-areas>
    isis-max-areas
  </isis-max-areas>
  <isis-lsp-lifetime>
    isis-lsp-lifetime
  </isis-lsp-lifetime>
  <isis-reference-bandwidth>
    isis-reference-bandwidth
  </isis-reference-bandwidth>
  <isis-adjacency-holddown>
    isis-adjacency-holddown
  </isis-adjacency-holddown>
  <isis-attached-bit-evaluation>
    isis-attached-bit-evaluation
  </isis-attached-bit-evaluation>
  <isis-spf-information>....</isis-spf-information>
  <isis-overload-information>....</isis-overload-information>
  <isis-routing>....</isis-routing>
  <isis-traffic-engineering>....</isis-traffic-engineering>
  <isis-restart>....</isis-restart>
  <isis-level-information>....</isis-level-information>
</isis-overview>

```

**Description** Overview information for an IS-IS instance

### <isis-overview>

#### Usage

```
<isis-overview-information>
  <isis-overview>
    <instance-name>
      instance-name
    </instance-name>
    <isis-router-id>
      isis-router-id
    </isis-router-id>
    <isis-max-areas>
      isis-max-areas
    </isis-max-areas>
    <isis-lsp-lifetime>
      isis-lsp-lifetime
    </isis-lsp-lifetime>
    <isis-reference-bandwidth>
      isis-reference-bandwidth
    </isis-reference-bandwidth>
    <isis-adjacency-holddown>
      isis-adjacency-holddown
    </isis-adjacency-holddown>
    <isis-attached-bit-evaluation>
      isis-attached-bit-evaluation
    </isis-attached-bit-evaluation>
    <isis-spf-information>....</isis-spf-information>
    <isis-overload-information>....</isis-overload-information>
    <isis-routing>....</isis-routing>
    <isis-traffic-engineering>....</isis-traffic-engineering>
    <isis-restart>....</isis-restart>
    <isis-level-information>....</isis-level-information>
  </isis-overview>
</isis-overview-information>
```

**Description** Overview information for an IS-IS instance

### <isis-overview-information>

#### Usage

```
<isis-overview-information>
  <isis-overview>....</isis-overview>
</isis-overview-information>
```

**Description** ISIS overview information

### <isis-packet>

#### Usage

```
<isis-packet>
```

```

<lsp-id>
  lsp-id
</lsp-id>
<pdu-length>
  pdu-length
</pdu-length>
<pdu-lifetime>
  pdu-lifetime
</pdu-lifetime>
<checksum>
  checksum
</checksum>
<sequence-number>
  sequence-number
</sequence-number>
<lsp-attributes>
  lsp-attributes
</lsp-attributes>
<nlp-id>
  nlp-id
</nlp-id>
<mtid>
  mtid
</mtid>
<lsp-length>
  lsp-length
</lsp-length>
<pdu-version>
  pdu-version
</pdu-version>
<system-id-length>
  system-id-length
</system-id-length>
<isis-packet-type>
  isis-packet-type
</isis-packet-type>
<packet-version>
  packet-version
</packet-version>
<maximum-area>
  maximum-area
</maximum-area>
</isis-packet>

```

#### Description

<isis-packet>

#### Usage

```

<isis-database-entry>
  <isis-packet>
    <lsp-id>
      lsp-id
    </lsp-id>
    <pdu-length>

```

```
    pdu-length
  </pdu-length>
  <pdu-lifetime>
    pdu-lifetime
  </pdu-lifetime>
  <checksum>
    checksum
  </checksum>
  <sequence-number>
    sequence-number
  </sequence-number>
  <lsp-attributes>
    lsp-attributes
  </lsp-attributes>
  <nlp-id>
    nlp-id
  </nlp-id>
  <mtid>
    mtid
  </mtid>
  <lsp-length>
    lsp-length
  </lsp-length>
  <pdu-version>
    pdu-version
  </pdu-version>
  <system-id-length>
    system-id-length
  </system-id-length>
  <isis-packet-type>
    isis-packet-type
  </isis-packet-type>
  <packet-version>
    packet-version
  </packet-version>
  <maximum-area>
    maximum-area
  </maximum-area>
</isis-packet>
</isis-database-entry>
```

#### Description

<isis-packet>

#### Usage

```
<isis-database>
  <isis-database-entry>
    <isis-packet>
      <lsp-id>
        lsp-id
      </lsp-id>
      <pdu-length>
        pdu-length
      </pdu-length>
```

```

<pdu-lifetime>
  pdu-lifetime
</pdu-lifetime>
<checksum>
  checksum
</checksum>
<sequence-number>
  sequence-number
</sequence-number>
<lsp-attributes>
  lsp-attributes
</lsp-attributes>
<nlp-id>
  nlp-id
</nlp-id>
<mtid>
  mtid
</mtid>
<lsp-length>
  lsp-length
</lsp-length>
<pdu-version>
  pdu-version
</pdu-version>
<system-id-length>
  system-id-length
</system-id-length>
<isis-packet-type>
  isis-packet-type
</isis-packet-type>
<packet-version>
  packet-version
</packet-version>
<maximum-area>
  maximum-area
</maximum-area>
</isis-packet>
</isis-database-entry>
</isis-database>

```

## Description

### <isis-packet>

## Usage

```

<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-packet>
        <lsp-id>
          lsp-id
        </lsp-id>
        <pdu-length>
          pdu-length
        </pdu-length>

```

```
<pdu-lifetime>
  pdu-lifetime
</pdu-lifetime>
<checksum>
  checksum
</checksum>
<sequence-number>
  sequence-number
</sequence-number>
<lsp-attributes>
  lsp-attributes
</lsp-attributes>
<nlp-id>
  nlp-id
</nlp-id>
<mtid>
  mtid
</mtid>
<lsp-length>
  lsp-length
</lsp-length>
<pdu-version>
  pdu-version
</pdu-version>
<system-id-length>
  system-id-length
</system-id-length>
<isis-packet-type>
  isis-packet-type
</isis-packet-type>
<packet-version>
  packet-version
</packet-version>
<maximum-area>
  maximum-area
</maximum-area>
</isis-packet>
</isis-database-entry>
</isis-database>
</isis-database-information>
```

#### Description

**<isis-pdu-statistics>**

#### Usage

```
<isis-pdu-statistics>
  <isis-pdu-type>
    isis-pdu-type
  </isis-pdu-type>
  <packets-received>
    packets-received
  </packets-received>
  <packets-processed>
    packets-processed
```



```

</packets-processed>
<packets-dropped>
  packets-dropped
</packets-dropped>
<packets-sent>
  packets-sent
</packets-sent>
<packets-retransmitted>
  packets-retransmitted
</packets-retransmitted>
</isis-pdu-statistics>

```

### Description

<isis-pdu-statistics>

### Usage

```

<isis-statistics>
  <isis-pdu-statistics>
    <isis-pdu-type>
      isis-pdu-type
    </isis-pdu-type>
    <packets-received>
      packets-received
    </packets-received>
    <packets-processed>
      packets-processed
    </packets-processed>
    <packets-dropped>
      packets-dropped
    </packets-dropped>
    <packets-sent>
      packets-sent
    </packets-sent>
    <packets-retransmitted>
      packets-retransmitted
    </packets-retransmitted>
  </isis-pdu-statistics>
</isis-statistics>

```

### Description

<isis-pdu-statistics>

### Usage

```

<isis-statistics-information>
  <isis-statistics>
    <isis-pdu-statistics>
      <isis-pdu-type>
        isis-pdu-type
      </isis-pdu-type>
      <packets-received>
        packets-received
      </packets-received>
    </isis-pdu-statistics>
  </isis-statistics>
</isis-statistics-information>

```

```
<packets-processed>
  packets-processed
</packets-processed>
<packets-dropped>
  packets-dropped
</packets-dropped>
<packets-sent>
  packets-sent
</packets-sent>
<packets-retransmitted>
  packets-retransmitted
</packets-retransmitted>
</isis-pdu-statistics>
</isis-statistics>
</isis-statistics-information>
```

#### Description

<isis-prefix>

#### Usage

```
<isis-prefix>
  <protocol-name>
    protocol-name
  </protocol-name>
  <isis-topology-id>
    isis-topology-id
  </isis-topology-id>
  <address-prefix>
    address-prefix
  </address-prefix>
  <metric>
    metric
  </metric>
  <prefix-flag>
    prefix-flag
  </prefix-flag>
  <prefix-status>
    prefix-status
  </prefix-status>
  <reachability-delay>
    reachability-delay
  </reachability-delay>
  <reachability-expense>
    reachability-expense
  </reachability-expense>
  <reachability-error>
    reachability-error
  </reachability-error>
</isis-prefix>
```

#### Description

**<isis-prefix>****Usage**

```

<isis-database-entry>
  <isis-prefix>
    <protocol-name>
      protocol-name
    </protocol-name>
    <isis-topology-id>
      isis-topology-id
    </isis-topology-id>
    <address-prefix>
      address-prefix
    </address-prefix>
    <metric>
      metric
    </metric>
    <prefix-flag>
      prefix-flag
    </prefix-flag>
    <prefix-status>
      prefix-status
    </prefix-status>
    <reachability-delay>
      reachability-delay
    </reachability-delay>
    <reachability-expense>
      reachability-expense
    </reachability-expense>
    <reachability-error>
      reachability-error
    </reachability-error>
  </isis-prefix>
</isis-database-entry>

```

**Description****<isis-prefix>****Usage**

```

<isis-database>
  <isis-database-entry>
    <isis-prefix>
      <protocol-name>
        protocol-name
      </protocol-name>
      <isis-topology-id>
        isis-topology-id
      </isis-topology-id>
      <address-prefix>
        address-prefix
      </address-prefix>
      <metric>
        metric

```

```
</metric>
<prefix-flag>
  prefix-flag
</prefix-flag>
<prefix-status>
  prefix-status
</prefix-status>
<reachability-delay>
  reachability-delay
</reachability-delay>
<reachability-expense>
  reachability-expense
</reachability-expense>
<reachability-error>
  reachability-error
</reachability-error>
</isis-prefix>
</isis-database-entry>
</isis-database>
```

## Description

### <isis-prefix>

## Usage

```
<isis-database-information>
<isis-database>
  <isis-database-entry>
    <isis-prefix>
      <protocol-name>
        protocol-name
      </protocol-name>
      <isis-topology-id>
        isis-topology-id
      </isis-topology-id>
      <address-prefix>
        address-prefix
      </address-prefix>
      <metric>
        metric
      </metric>
      <prefix-flag>
        prefix-flag
      </prefix-flag>
      <prefix-status>
        prefix-status
      </prefix-status>
      <reachability-delay>
        reachability-delay
      </reachability-delay>
      <reachability-expense>
        reachability-expense
      </reachability-expense>
      <reachability-error>
        reachability-error
```

```

        </reachability-error>
      </isis-prefix>
    </isis-database-entry>
  </isis-database>
</isis-database-information>

```

**Description****<isis-prefix-subtlv>****Usage**

```

<isis-tlv>
  <isis-prefix-subtlv>
    <isis-prefix-tag>....</isis-prefix-tag>
  </isis-prefix-subtlv>
</isis-tlv>

```

**Description****<isis-prefix-subtlv>****Usage**

```

<isis-tlv>
  <ipv6-reachability-tlv>
    <isis-prefix-subtlv>
      <isis-prefix-tag>....</isis-prefix-tag>
    </isis-prefix-subtlv>
  </ipv6-reachability-tlv>
</isis-tlv>

```

**Description****<isis-prefix-subtlv>****Usage**

```

<isis-tlv>
  <ip-prefix-tlv>
    <isis-prefix-subtlv>
      <isis-prefix-tag>....</isis-prefix-tag>
    </isis-prefix-subtlv>
  </ip-prefix-tlv>
</isis-tlv>

```

**Description****<isis-prefix-subtlv>****Usage**

```

<isis-database-entry>
  <isis-tlv>
    <isis-prefix-subtlv>
      <isis-prefix-tag>....</isis-prefix-tag>

```

```
</isis-prefix-subtlv>
</isis-tlv>
</isis-database-entry>
```

#### Description

<isis-prefix-subtlv>

#### Usage

```
<isis-database-entry>
  <isis-tlv>
    <ipv6-reachability-tlv>
      <isis-prefix-subtlv>
        <isis-prefix-tag>....</isis-prefix-tag>
      </isis-prefix-subtlv>
    </ipv6-reachability-tlv>
  </isis-tlv>
</isis-database-entry>
```

#### Description

<isis-prefix-subtlv>

#### Usage

```
<isis-database-entry>
  <isis-tlv>
    <ip-prefix-tlv>
      <isis-prefix-subtlv>
        <isis-prefix-tag>....</isis-prefix-tag>
      </isis-prefix-subtlv>
    </ip-prefix-tlv>
  </isis-tlv>
</isis-database-entry>
```

#### Description

<isis-prefix-subtlv>

#### Usage

```
<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <isis-prefix-subtlv>
        <isis-prefix-tag>....</isis-prefix-tag>
      </isis-prefix-subtlv>
    </isis-tlv>
  </isis-database-entry>
</isis-database>
```

#### Description

**<isis-prefix-subtlv>****Usage**

```

<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <ipv6-reachability-tlv>
        <isis-prefix-subtlv>
          <isis-prefix-tag>....</isis-prefix-tag>
        </isis-prefix-subtlv>
      </ipv6-reachability-tlv>
    </isis-tlv>
  </isis-database-entry>
</isis-database>

```

**Description****<isis-prefix-subtlv>****Usage**

```

<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <ip-prefix-tlv>
        <isis-prefix-subtlv>
          <isis-prefix-tag>....</isis-prefix-tag>
        </isis-prefix-subtlv>
      </ip-prefix-tlv>
    </isis-tlv>
  </isis-database-entry>
</isis-database>

```

**Description****<isis-prefix-subtlv>****Usage**

```

<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <isis-prefix-subtlv>
          <isis-prefix-tag>....</isis-prefix-tag>
        </isis-prefix-subtlv>
      </isis-tlv>
    </isis-database-entry>
  </isis-database>
</isis-database-information>

```

**Description**

## <isis-prefix-subtlv>

### Usage

```
<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <ipv6-reachability-tlv>
          <isis-prefix-subtlv>
            <isis-prefix-tag>.....</isis-prefix-tag>
          </isis-prefix-subtlv>
        </ipv6-reachability-tlv>
      </isis-tlv>
    </isis-database-entry>
  </isis-database>
</isis-database-information>
```

### Description

## <isis-prefix-subtlv>

### Usage

```
<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <ip-prefix-tlv>
          <isis-prefix-subtlv>
            <isis-prefix-tag>.....</isis-prefix-tag>
          </isis-prefix-subtlv>
        </ip-prefix-tlv>
      </isis-tlv>
    </isis-database-entry>
  </isis-database>
</isis-database-information>
```

### Description

## <isis-prefix-tag>

### Usage

```
<isis-tlv>
  <isis-prefix-subtlv>
    <isis-prefix-tag>
      <isis-prefix-tag-index>
        isis-prefix-tag-index
      </isis-prefix-tag-index>
      <isis-prefix-tag-value>
        isis-prefix-tag-value
      </isis-prefix-tag-value>
    </isis-prefix-tag>
  </isis-prefix-subtlv>
```



```
</isis-tlv>
```

#### Description

**<isis-prefix-tag>**

#### Usage

```
<isis-tlv>
  <ipv6-reachability-tlv>
    <isis-prefix-subtlv>
      <isis-prefix-tag>
        <isis-prefix-tag-index>
          isis-prefix-tag-index
        </isis-prefix-tag-index>
        <isis-prefix-tag-value>
          isis-prefix-tag-value
        </isis-prefix-tag-value>
      </isis-prefix-tag>
    </isis-prefix-subtlv>
  </ipv6-reachability-tlv>
</isis-tlv>
```

#### Description

**<isis-prefix-tag>**

#### Usage

```
<isis-tlv>
  <ip-prefix-tlv>
    <isis-prefix-subtlv>
      <isis-prefix-tag>
        <isis-prefix-tag-index>
          isis-prefix-tag-index
        </isis-prefix-tag-index>
        <isis-prefix-tag-value>
          isis-prefix-tag-value
        </isis-prefix-tag-value>
      </isis-prefix-tag>
    </isis-prefix-subtlv>
  </ip-prefix-tlv>
</isis-tlv>
```

#### Description

**<isis-prefix-tag>**

#### Usage

```
<isis-database-entry>
  <isis-tlv>
    <isis-prefix-subtlv>
      <isis-prefix-tag>
        <isis-prefix-tag-index>
          isis-prefix-tag-index
```

```
</isis-prefix-tag-index>
<isis-prefix-tag-value>
  isis-prefix-tag-value
</isis-prefix-tag-value>
</isis-prefix-tag>
</isis-prefix-subtlv>
</isis-tlv>
</isis-database-entry>
```

## Description

### <isis-prefix-tag>

#### Usage

```
<isis-database-entry>
<isis-tlv>
  <ipv6-reachability-tlv>
    <isis-prefix-subtlv>
      <isis-prefix-tag>
        <isis-prefix-tag-index>
          isis-prefix-tag-index
        </isis-prefix-tag-index>
        <isis-prefix-tag-value>
          isis-prefix-tag-value
        </isis-prefix-tag-value>
      </isis-prefix-tag>
    </isis-prefix-subtlv>
  </ipv6-reachability-tlv>
</isis-tlv>
</isis-database-entry>
```

## Description

### <isis-prefix-tag>

#### Usage

```
<isis-database-entry>
<isis-tlv>
  <ip-prefix-tlv>
    <isis-prefix-subtlv>
      <isis-prefix-tag>
        <isis-prefix-tag-index>
          isis-prefix-tag-index
        </isis-prefix-tag-index>
        <isis-prefix-tag-value>
          isis-prefix-tag-value
        </isis-prefix-tag-value>
      </isis-prefix-tag>
    </isis-prefix-subtlv>
  </ip-prefix-tlv>
</isis-tlv>
</isis-database-entry>
```

**Description****<isis-prefix-tag>****Usage**

```

<isis-database>
<isis-database-entry>
  <isis-tlv>
    <isis-prefix-subtlv>
      <isis-prefix-tag>
        <isis-prefix-tag-index>
          isis-prefix-tag-index
        </isis-prefix-tag-index>
        <isis-prefix-tag-value>
          isis-prefix-tag-value
        </isis-prefix-tag-value>
      </isis-prefix-tag>
    </isis-prefix-subtlv>
  </isis-tlv>
</isis-database-entry>
</isis-database>

```

**Description****<isis-prefix-tag>****Usage**

```

<isis-database>
<isis-database-entry>
  <isis-tlv>
    <ipv6-reachability-tlv>
      <isis-prefix-subtlv>
        <isis-prefix-tag>
          <isis-prefix-tag-index>
            isis-prefix-tag-index
          </isis-prefix-tag-index>
          <isis-prefix-tag-value>
            isis-prefix-tag-value
          </isis-prefix-tag-value>
        </isis-prefix-tag>
      </isis-prefix-subtlv>
    </ipv6-reachability-tlv>
  </isis-tlv>
</isis-database-entry>
</isis-database>

```

**Description****<isis-prefix-tag>****Usage**

```

<isis-database>
<isis-database-entry>
  <isis-tlv>

```

```
<ip-prefix-tlv>
  <isis-prefix-subtlv>
    <isis-prefix-tag>
      <isis-prefix-tag-index>
        isis-prefix-tag-index
      </isis-prefix-tag-index>
      <isis-prefix-tag-value>
        isis-prefix-tag-value
      </isis-prefix-tag-value>
    </isis-prefix-tag>
  </isis-prefix-subtlv>
</ip-prefix-tlv>
</isis-tlv>
</isis-database-entry>
</isis-database>
```

#### Description

### <isis-prefix-tag>

#### Usage

```
<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <isis-prefix-subtlv>
          <isis-prefix-tag>
            <isis-prefix-tag-index>
              isis-prefix-tag-index
            </isis-prefix-tag-index>
            <isis-prefix-tag-value>
              isis-prefix-tag-value
            </isis-prefix-tag-value>
          </isis-prefix-tag>
        </isis-prefix-subtlv>
      </isis-tlv>
    </isis-database-entry>
  </isis-database>
</isis-database-information>
```

#### Description

### <isis-prefix-tag>

#### Usage

```
<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <ipv6-reachability-tlv>
          <isis-prefix-subtlv>
            <isis-prefix-tag>
              <isis-prefix-tag-index>
                isis-prefix-tag-index
```

```

    </isis-prefix-tag-index>
    <isis-prefix-tag-value>
      isis-prefix-tag-value
    </isis-prefix-tag-value>
  </isis-prefix-tag>
</isis-prefix-subtlv>
</ipv6-reachability-tlv>
</isis-tlv>
</isis-database-entry>
</isis-database>
</isis-database-information>

```

## Description

### <isis-prefix-tag>

#### Usage

```

<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <ip-prefix-tlv>
          <isis-prefix-subtlv>
            <isis-prefix-tag>
              <isis-prefix-tag-index>
                isis-prefix-tag-index
              </isis-prefix-tag-index>
              <isis-prefix-tag-value>
                isis-prefix-tag-value
              </isis-prefix-tag-value>
            </isis-prefix-tag>
          </isis-prefix-subtlv>
        </ip-prefix-tlv>
      </isis-tlv>
    </isis-database-entry>
  </isis-database>
</isis-database-information>

```

## Description

### <isis-prefix-tag>

#### Usage

```

<isis-database-local>
  <isis-database-local-entry>
    <isis-database-local-data>
      <prefix-reachability>
        <isis-prefix-tag>
          <isis-prefix-tag-index>
            isis-prefix-tag-index
          </isis-prefix-tag-index>
          <isis-prefix-tag-value>
            isis-prefix-tag-value
          </isis-prefix-tag-value>
        </isis-prefix-tag>
      </prefix-reachability>
    </isis-database-local-data>
  </isis-database-local-entry>
</isis-database-local>

```

```
</isis-prefix-tag>
</prefix-reachability>
</isis-database-local-data>
</isis-database-local-entry>
</isis-database-local>
```

#### Description

### <isis-prefix-tag>

#### Usage

```
<isis-database-local-information>
<isis-database-local>
<isis-database-local-entry>
<isis-database-local-data>
<prefix-reachability>
<isis-prefix-tag>
<isis-prefix-tag-index>
  isis-prefix-tag-index
</isis-prefix-tag-index>
<isis-prefix-tag-value>
  isis-prefix-tag-value
</isis-prefix-tag-value>
</isis-prefix-tag>
</prefix-reachability>
</isis-database-local-data>
</isis-database-local-entry>
</isis-database-local>
</isis-database-local-information>
```

#### Description

### <isis-reachability-subtlv>

#### Usage

```
<isis-tlv>
<reachability-tlv>
<isis-reachability-subtlv>
<isis-subtlv-type>
  isis-subtlv-type
</isis-subtlv-type>
<subtlv-length>
  subtlv-length
</subtlv-length>
<max-bandwidth>
  max-bandwidth
</max-bandwidth>
<max-reserve-bandwidth>
  max-reserve-bandwidth
</max-reserve-bandwidth>
<current-bandwidth-header>
  current-bandwidth-header
</current-bandwidth-header>
<current-reserve-bandwidth>
```

```

    current-reserve-bandwidth
  </current-reserve-bandwidth>
  <admin-groups>....</admin-groups>
  <bandwidth-priority>
    bandwidth-priority
  </bandwidth-priority>
  <local-ifindex>
    local-ifindex
  </local-ifindex>
  <remote-ifindex>
    remote-ifindex
  </remote-ifindex>
  <address>
    address
  </address>
  <neighbor-prefix>
    neighbor-prefix
  </neighbor-prefix>
  <address-prefix>
    address-prefix
  </address-prefix>
  <prefix-err-message>
    prefix-err-message
  </prefix-err-message>
  <te-metric>
    te-metric
  </te-metric>
  <dste-bc-header>
    dste-bc-header
  </dste-bc-header>
  <dste-bc-model>
    dste-bc-model
  </dste-bc-model>
  <dste-bc-count>
    dste-bc-count
  </dste-bc-count>
  <dste-bc-bw>
    dste-bc-bw
  </dste-bc-bw>
  </isis-reachability-subtlv>
</reachability-tlv>
</isis-tlv>

```

## Description

<isis-reachability-subtlv>

## Usage

```

<isis-tlv>
  <isis-reachability-subtlv>
    <isis-subtlv-type>
      isis-subtlv-type
    </isis-subtlv-type>
    <subtlv-length>
      subtlv-length

```

```
</subtlv-length>
<max-bandwidth>
  max-bandwidth
</max-bandwidth>
<max-reserve-bandwidth>
  max-reserve-bandwidth
</max-reserve-bandwidth>
<current-bandwidth-header>
  current-bandwidth-header
</current-bandwidth-header>
<current-reserve-bandwidth>
  current-reserve-bandwidth
</current-reserve-bandwidth>
<admin-groups>....</admin-groups>
<bandwidth-priority>
  bandwidth-priority
</bandwidth-priority>
<local-ifindex>
  local-ifindex
</local-ifindex>
<remote-ifindex>
  remote-ifindex
</remote-ifindex>
<address>
  address
</address>
<neighbor-prefix>
  neighbor-prefix
</neighbor-prefix>
<address-prefix>
  address-prefix
</address-prefix>
<prefix-err-message>
  prefix-err-message
</prefix-err-message>
<te-metric>
  te-metric
</te-metric>
<dste-bc-header>
  dste-bc-header
</dste-bc-header>
<dste-bc-model>
  dste-bc-model
</dste-bc-model>
<dste-bc-count>
  dste-bc-count
</dste-bc-count>
<dste-bc-bw>
  dste-bc-bw
</dste-bc-bw>
</isis-reachability-subtlv>
</isis-tlv>
```

## Description



## <isis-reachability-subtlv>

### Usage

```

<isis-database-entry>
  <isis-tlv>
    <reachability-tlv>
      <isis-reachability-subtlv>
        <isis-subtlv-type>
          isis-subtlv-type
        </isis-subtlv-type>
        <subtlv-length>
          subtlv-length
        </subtlv-length>
        <max-bandwidth>
          max-bandwidth
        </max-bandwidth>
        <max-reserve-bandwidth>
          max-reserve-bandwidth
        </max-reserve-bandwidth>
        <current-bandwidth-header>
          current-bandwidth-header
        </current-bandwidth-header>
        <current-reserve-bandwidth>
          current-reserve-bandwidth
        </current-reserve-bandwidth>
        <admin-groups>....</admin-groups>
        <bandwidth-priority>
          bandwidth-priority
        </bandwidth-priority>
        <local-ifindex>
          local-ifindex
        </local-ifindex>
        <remote-ifindex>
          remote-ifindex
        </remote-ifindex>
        <address>
          address
        </address>
        <neighbor-prefix>
          neighbor-prefix
        </neighbor-prefix>
        <address-prefix>
          address-prefix
        </address-prefix>
        <prefix-err-message>
          prefix-err-message
        </prefix-err-message>
        <te-metric>
          te-metric
        </te-metric>
        <dste-bc-header>
          dste-bc-header
        </dste-bc-header>
        <dste-bc-model>
          dste-bc-model

```

```
</dste-bc-model>
<dste-bc-count>
  dste-bc-count
</dste-bc-count>
<dste-bc-bw>
  dste-bc-bw
</dste-bc-bw>
</isis-reachability-subtlv>
</reachability-tlv>
</isis-tlv>
</isis-database-entry>
```

## Description

### <isis-reachability-subtlv>

#### Usage

```
<isis-database-entry>
<isis-tlv>
  <isis-reachability-subtlv>
    <isis-subtlv-type>
      isis-subtlv-type
    </isis-subtlv-type>
    <subtlv-length>
      subtlv-length
    </subtlv-length>
    <max-bandwidth>
      max-bandwidth
    </max-bandwidth>
    <max-reserve-bandwidth>
      max-reserve-bandwidth
    </max-reserve-bandwidth>
    <current-bandwidth-header>
      current-bandwidth-header
    </current-bandwidth-header>
    <current-reserve-bandwidth>
      current-reserve-bandwidth
    </current-reserve-bandwidth>
    <admin-groups>....</admin-groups>
    <bandwidth-priority>
      bandwidth-priority
    </bandwidth-priority>
    <local-ifindex>
      local-ifindex
    </local-ifindex>
    <remote-ifindex>
      remote-ifindex
    </remote-ifindex>
    <address>
      address
    </address>
    <neighbor-prefix>
      neighbor-prefix
    </neighbor-prefix>
    <address-prefix>
```

```

    address-prefix
  </address-prefix>
  <prefix-err-message>
    prefix-err-message
  </prefix-err-message>
  <te-metric>
    te-metric
  </te-metric>
  <dste-bc-header>
    dste-bc-header
  </dste-bc-header>
  <dste-bc-model>
    dste-bc-model
  </dste-bc-model>
  <dste-bc-count>
    dste-bc-count
  </dste-bc-count>
  <dste-bc-bw>
    dste-bc-bw
  </dste-bc-bw>
</isis-reachability-subtlv>
</isis-tlv>
</isis-database-entry>

```

## Description

### <isis-reachability-subtlv>

#### Usage

```

<isis-database>
<isis-database-entry>
  <isis-tlv>
    <reachability-tlv>
      <isis-reachability-subtlv>
        <isis-subtlv-type>
          isis-subtlv-type
        </isis-subtlv-type>
        <subtlv-length>
          subtlv-length
        </subtlv-length>
        <max-bandwidth>
          max-bandwidth
        </max-bandwidth>
        <max-reserve-bandwidth>
          max-reserve-bandwidth
        </max-reserve-bandwidth>
        <current-bandwidth-header>
          current-bandwidth-header
        </current-bandwidth-header>
        <current-reserve-bandwidth>
          current-reserve-bandwidth
        </current-reserve-bandwidth>
        <admin-groups>....</admin-groups>
        <bandwidth-priority>
          bandwidth-priority

```

```
</bandwidth-priority>
<local-ifindex>
  local-ifindex
</local-ifindex>
<remote-ifindex>
  remote-ifindex
</remote-ifindex>
<address>
  address
</address>
<neighbor-prefix>
  neighbor-prefix
</neighbor-prefix>
<address-prefix>
  address-prefix
</address-prefix>
<prefix-err-message>
  prefix-err-message
</prefix-err-message>
<te-metric>
  te-metric
</te-metric>
<dste-bc-header>
  dste-bc-header
</dste-bc-header>
<dste-bc-model>
  dste-bc-model
</dste-bc-model>
<dste-bc-count>
  dste-bc-count
</dste-bc-count>
<dste-bc-bw>
  dste-bc-bw
</dste-bc-bw>
</isis-reachability-subtlv>
</reachability-tlv>
</isis-tlv>
</isis-database-entry>
</isis-database>
```

## Description

### <isis-reachability-subtlv>

#### Usage

```
<isis-database>
<isis-database-entry>
  <isis-tlv>
    <isis-reachability-subtlv>
      <isis-subtlv-type>
        isis-subtlv-type
      </isis-subtlv-type>
      <subtlv-length>
        subtlv-length
      </subtlv-length>
```

```
<max-bandwidth>
  max-bandwidth
</max-bandwidth>
<max-reserve-bandwidth>
  max-reserve-bandwidth
</max-reserve-bandwidth>
<current-bandwidth-header>
  current-bandwidth-header
</current-bandwidth-header>
<current-reserve-bandwidth>
  current-reserve-bandwidth
</current-reserve-bandwidth>
<admin-groups>....</admin-groups>
<bandwidth-priority>
  bandwidth-priority
</bandwidth-priority>
<local-ifindex>
  local-ifindex
</local-ifindex>
<remote-ifindex>
  remote-ifindex
</remote-ifindex>
<address>
  address
</address>
<neighbor-prefix>
  neighbor-prefix
</neighbor-prefix>
<address-prefix>
  address-prefix
</address-prefix>
<prefix-err-message>
  prefix-err-message
</prefix-err-message>
<te-metric>
  te-metric
</te-metric>
<dste-bc-header>
  dste-bc-header
</dste-bc-header>
<dste-bc-model>
  dste-bc-model
</dste-bc-model>
<dste-bc-count>
  dste-bc-count
</dste-bc-count>
<dste-bc-bw>
  dste-bc-bw
</dste-bc-bw>
</isis-reachability-subtlv>
</isis-tlv>
</isis-database-entry>
</isis-database>
```

## Description

### <isis-reachability-subtlv>

#### Usage

```
<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <reachability-tlv>
          <isis-reachability-subtlv>
            <isis-subtlv-type>
              isis-subtlv-type
            </isis-subtlv-type>
            <subtlv-length>
              subtlv-length
            </subtlv-length>
            <max-bandwidth>
              max-bandwidth
            </max-bandwidth>
            <max-reserve-bandwidth>
              max-reserve-bandwidth
            </max-reserve-bandwidth>
            <current-bandwidth-header>
              current-bandwidth-header
            </current-bandwidth-header>
            <current-reserve-bandwidth>
              current-reserve-bandwidth
            </current-reserve-bandwidth>
            <admin-groups>....</admin-groups>
            <bandwidth-priority>
              bandwidth-priority
            </bandwidth-priority>
            <local-ifindex>
              local-ifindex
            </local-ifindex>
            <remote-ifindex>
              remote-ifindex
            </remote-ifindex>
            <address>
              address
            </address>
            <neighbor-prefix>
              neighbor-prefix
            </neighbor-prefix>
            <address-prefix>
              address-prefix
            </address-prefix>
            <prefix-err-message>
              prefix-err-message
            </prefix-err-message>
            <te-metric>
              te-metric
            </te-metric>
            <dste-bc-header>
              dste-bc-header
```

```

    </dste-bc-header>
    <dste-bc-model>
      dste-bc-model
    </dste-bc-model>
    <dste-bc-count>
      dste-bc-count
    </dste-bc-count>
    <dste-bc-bw>
      dste-bc-bw
    </dste-bc-bw>
  </isis-reachability-subtlv>
</reachability-tlv>
</isis-tlv>
</isis-database-entry>
</isis-database>
</isis-database-information>

```

## Description

### <isis-reachability-subtlv>

#### Usage

```

<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <isis-reachability-subtlv>
          <isis-subtlv-type>
            isis-subtlv-type
          </isis-subtlv-type>
          <subtlv-length>
            subtlv-length
          </subtlv-length>
          <max-bandwidth>
            max-bandwidth
          </max-bandwidth>
          <max-reserve-bandwidth>
            max-reserve-bandwidth
          </max-reserve-bandwidth>
          <current-bandwidth-header>
            current-bandwidth-header
          </current-bandwidth-header>
          <current-reserve-bandwidth>
            current-reserve-bandwidth
          </current-reserve-bandwidth>
          <admin-groups>....</admin-groups>
          <bandwidth-priority>
            bandwidth-priority
          </bandwidth-priority>
          <local-ifindex>
            local-ifindex
          </local-ifindex>
          <remote-ifindex>
            remote-ifindex
          </remote-ifindex>

```

```
<address>
  address
</address>
<neighbor-prefix>
  neighbor-prefix
</neighbor-prefix>
<address-prefix>
  address-prefix
</address-prefix>
<prefix-err-message>
  prefix-err-message
</prefix-err-message>
<te-metric>
  te-metric
</te-metric>
<dste-bc-header>
  dste-bc-header
</dste-bc-header>
<dste-bc-model>
  dste-bc-model
</dste-bc-model>
<dste-bc-count>
  dste-bc-count
</dste-bc-count>
<dste-bc-bw>
  dste-bc-bw
</dste-bc-bw>
</isis-reachability-subtlv>
</isis-tlv>
</isis-database-entry>
</isis-database>
</isis-database-information>
```

## Description

### <isis-replication-adjacency>

#### Usage

```
<isis-replication-adjacency>
  <interface-name>
    interface-name
  </interface-name>
  <system-name>
    system-name
  </system-name>
  <level>
    level
  </level>
  <adjacency-state>
    adjacency-state
  </adjacency-state>
  <snpa>
    snpa
  </snpa>
  <instance-name>
```



```

    instance-name
  </instance-name>
  <interface-index>
    interface-index
  </interface-index>
  <reference-count>
    reference-count
  </reference-count>
  <transition-count>
    transition-count
  </transition-count>
  <last-transition-time>
    last-transition-time
  </last-transition-time>
  <adjacency-event>
    adjacency-event
  </adjacency-event>
</isis-replication-adjacency>

```

#### Description

#### <isis-replication-adjacency>

##### Usage

```

<isis-replication-adjacency-information>
  <isis-replication-adjacency>
    <interface-name>
      interface-name
    </interface-name>
    <system-name>
      system-name
    </system-name>
    <level>
      level
    </level>
    <adjacency-state>
      adjacency-state
    </adjacency-state>
    <snpa>
      snpa
    </snpa>
    <instance-name>
      instance-name
    </instance-name>
    <interface-index>
      interface-index
    </interface-index>
    <reference-count>
      reference-count
    </reference-count>
    <transition-count>
      transition-count
    </transition-count>
    <last-transition-time>
      last-transition-time

```

```
</last-transition-time>
<adjacency-event>
  adjacency-event
</adjacency-event>
</isis-replication-adjacency>
</isis-replication-adjacency-information>
```

#### Description

### <isis-replication-adjacency-information>

#### Usage

```
<isis-replication-adjacency-information>
  <isis-replication-adjacency>....</isis-replication-adjacency>
</isis-replication-adjacency-information>
```

**Description** Information about the IS-IS adjacency replication

### <isis-replication-database>

#### Usage

```
<isis-replication-database>
  <instance-name>
    instance-name
  </instance-name>
  <level>
    level
  </level>
  <isis-replication-database-entry>....</isis-replication-database-entry>
  <isis-replication-database-entry-count>
    isis-replication-database-entry-count
  </isis-replication-database-entry-count>
</isis-replication-database>
```

#### Description

### <isis-replication-database>

#### Usage

```
<isis-replication-database-information>
  <isis-replication-database>
    <instance-name>
      instance-name
    </instance-name>
    <level>
      level
    </level>
    <isis-replication-database-entry>....</isis-replication-database-entry>
    <isis-replication-database-entry-count>
      isis-replication-database-entry-count
    </isis-replication-database-entry-count>
  </isis-replication-database>
```

</isis-replication-database-information>

#### Description

### <isis-replication-database-entry>

#### Usage

```
<isis-replication-database-entry>
  <lsp-id>
    lsp-id
  </lsp-id>
  <sequence-number>
    sequence-number
  </sequence-number>
  <checksum>
    checksum
  </checksum>
  <remaining-lifetime>
    remaining-lifetime
  </remaining-lifetime>
  <replication-entry-in-use>
    replication-entry-in-use
  </replication-entry-in-use>
</isis-replication-database-entry>
```

#### Description

### <isis-replication-database-entry>

#### Usage

```
<isis-replication-database>
  <isis-replication-database-entry>
    <lsp-id>
      lsp-id
    </lsp-id>
    <sequence-number>
      sequence-number
    </sequence-number>
    <checksum>
      checksum
    </checksum>
    <remaining-lifetime>
      remaining-lifetime
    </remaining-lifetime>
    <replication-entry-in-use>
      replication-entry-in-use
    </replication-entry-in-use>
  </isis-replication-database-entry>
</isis-replication-database>
```

#### Description

## <isis-replication-database-entry>

### Usage

```
<isis-replication-database-information>
  <isis-replication-database>
    <isis-replication-database-entry>
      <lsp-id>
        lsp-id
      </lsp-id>
      <sequence-number>
        sequence-number
      </sequence-number>
      <checksum>
        checksum
      </checksum>
      <remaining-lifetime>
        remaining-lifetime
      </remaining-lifetime>
      <replication-entry-in-use>
        replication-entry-in-use
      </replication-entry-in-use>
    </isis-replication-database-entry>
  </isis-replication-database>
</isis-replication-database-information>
```

### Description

## <isis-replication-database-information>

### Usage

```
<isis-replication-database-information>
  <isis-replication-database>....</isis-replication-database>
</isis-replication-database-information>
```

**Description** Information about the IS-IS link-state database replication

## <isis-replication-interface>

### Usage

```
<isis-replication-interface>
  <interface-name>
    interface-name
  </interface-name>
  <instance-name>
    instance-name
  </instance-name>
  <circuit-id>
    circuit-id
  </circuit-id>
  <dr-id-one>
    dr-id-one
  </dr-id-one>
  <dr-id-two>
```

```

    dr-id-two
  </dr-id-two>
  <isis-interface-state-one>
    isis-interface-state-one
  </isis-interface-state-one>
  <isis-interface-state-two>
    isis-interface-state-two
  </isis-interface-state-two>
  <replication-entry-in-use>
    replication-entry-in-use
  </replication-entry-in-use>
</isis-replication-interface>

```

**Description** Information about the IS-IS interface replication

### <isis-replication-interface>

#### Usage

```

<isis-replication-interface-information>
  <isis-replication-interface>
    <interface-name>
      interface-name
    </interface-name>
    <instance-name>
      instance-name
    </instance-name>
    <circuit-id>
      circuit-id
    </circuit-id>
    <dr-id-one>
      dr-id-one
    </dr-id-one>
    <dr-id-two>
      dr-id-two
    </dr-id-two>
    <isis-interface-state-one>
      isis-interface-state-one
    </isis-interface-state-one>
    <isis-interface-state-two>
      isis-interface-state-two
    </isis-interface-state-two>
    <replication-entry-in-use>
      replication-entry-in-use
    </replication-entry-in-use>
  </isis-replication-interface>
</isis-replication-interface-information>

```

**Description** Information about the IS-IS interface replication

## <isis-replication-interface-information>

### Usage

```
<isis-replication-interface-information>  
  <isis-replication-interface>....</isis-replication-interface>  
</isis-replication-interface-information>
```

### Description

## <isis-replication-statistics>

### Usage

```
<isis-replication-statistics>  
  <isis-replication-type>  
    isis-replication-type  
  </isis-replication-type>  
  <add-messages>  
    add-messages  
  </add-messages>  
  <change-messages>  
    change-messages  
  </change-messages>  
  <delete-messages>  
    delete-messages  
  </delete-messages>  
</isis-replication-statistics>
```

**Description** Statistics from an IS-IS replication

## <isis-replication-statistics>

### Usage

```
<isis-replication-statistics-information>  
  <isis-replication-statistics>  
    <isis-replication-type>  
      isis-replication-type  
    </isis-replication-type>  
    <add-messages>  
      add-messages  
    </add-messages>  
    <change-messages>  
      change-messages  
    </change-messages>  
    <delete-messages>  
      delete-messages  
    </delete-messages>  
  </isis-replication-statistics>  
</isis-replication-statistics-information>
```

**Description** Statistics from an IS-IS replication

**<isis-replication-statistics-information>****Usage**

```
<isis-replication-statistics-information>
  <isis-replication-statistics>....</isis-replication-statistics>
</isis-replication-statistics-information>
```

**Description****<isis-replication-system-id>****Usage**

```
<isis-replication-system-id>
  <instance-name>
    instance-name
  </instance-name>
  <system-id>
    system-id
  </system-id>
  <replication-entry-in-use>
    replication-entry-in-use
  </replication-entry-in-use>
</isis-replication-system-id>
```

**Description** Information about the IS-IS system ID replication

**<isis-replication-system-id>****Usage**

```
<isis-replication-system-id-information>
  <isis-replication-system-id>
    <instance-name>
      instance-name
    </instance-name>
    <system-id>
      system-id
    </system-id>
    <replication-entry-in-use>
      replication-entry-in-use
    </replication-entry-in-use>
  </isis-replication-system-id>
</isis-replication-system-id-information>
```

**Description** Information about the IS-IS system ID replication

**<isis-replication-system-id-information>****Usage**

```
<isis-replication-system-id-information>
  <isis-replication-system-id>....</isis-replication-system-id>
```

</isis-replication-system-id-information>

#### Description

### <isis-restart>

#### Usage

```
<isis-overview>
  <isis-restart>
    <isis-restart-enabled>
      isis-restart-enabled
    </isis-restart-enabled>
    <isis-restart-duration>
      isis-restart-duration
    </isis-restart-duration>
    <isis-restart-helper-mode-enabled>
      isis-restart-helper-mode-enabled
    </isis-restart-helper-mode-enabled>
  </isis-restart>
</isis-overview>
```

**Description** IS-IS restart parameters

### <isis-restart>

#### Usage

```
<isis-overview-information>
  <isis-overview>
    <isis-restart>
      <isis-restart-enabled>
        isis-restart-enabled
      </isis-restart-enabled>
      <isis-restart-duration>
        isis-restart-duration
      </isis-restart-duration>
      <isis-restart-helper-mode-enabled>
        isis-restart-helper-mode-enabled
      </isis-restart-helper-mode-enabled>
    </isis-restart>
  </isis-overview>
</isis-overview-information>
```

**Description** IS-IS restart parameters

### <isis-route>

#### Usage

```
<isis-route>
  <address-prefix>
    address-prefix
  </address-prefix>
```



```

<level>
  level
</level>
<route-version>
  route-version
</route-version>
<metric>
  metric
</metric>
<metric-type>
  metric-type
</metric-type>
<interface-name>
  interface-name
</interface-name>
<isis-next-hop-type>
  isis-next-hop-type
</isis-next-hop-type>
<isis-next-hop>
  isis-next-hop
</isis-next-hop>
<snpa>
  snpa
</snpa>
</isis-route>

```

#### Description

#### <isis-route>

#### Usage

```

<isis-routing-table>
  <isis-route>
    <address-prefix>
      address-prefix
    </address-prefix>
    <level>
      level
    </level>
    <route-version>
      route-version
    </route-version>
    <metric>
      metric
    </metric>
    <metric-type>
      metric-type
    </metric-type>
    <interface-name>
      interface-name
    </interface-name>
    <isis-next-hop-type>
      isis-next-hop-type
    </isis-next-hop-type>
    <isis-next-hop>

```

```
isis-next-hop
</isis-next-hop>
<snpa>
  snpa
</snpa>
</isis-route>
</isis-routing-table>
```

#### Description

### <isis-route>

#### Usage

```
<isis-route-information>
<isis-routing-table>
  <isis-route>
    <address-prefix>
      address-prefix
    </address-prefix>
    <level>
      level
    </level>
    <route-version>
      route-version
    </route-version>
    <metric>
      metric
    </metric>
    <metric-type>
      metric-type
    </metric-type>
    <interface-name>
      interface-name
    </interface-name>
    <isis-next-hop-type>
      isis-next-hop-type
    </isis-next-hop-type>
    <isis-next-hop>
      isis-next-hop
    </isis-next-hop>
    <snpa>
      snpa
    </snpa>
  </isis-route>
</isis-routing-table>
</isis-route-information>
```

#### Description

### <isis-route-information>

#### Usage

```
<isis-route-information>
<isis-routing-table>....</isis-routing-table>
```

```
</isis-route-information>
```

#### Description

```
<isis-routing>
```

#### Usage

```
<isis-overview>
  <isis-routing>
    <isis-routing-ipv4>
      isis-routing-ipv4
    </isis-routing-ipv4>
    <isis-routing-ipv6>
      isis-routing-ipv6
    </isis-routing-ipv6>
    <isis-routing-clns>
      isis-routing-clns
    </isis-routing-clns>
  </isis-routing>
</isis-overview>
```

**Description** List of routed IS-IS address families

```
<isis-routing>
```

#### Usage

```
<isis-overview-information>
  <isis-overview>
    <isis-routing>
      <isis-routing-ipv4>
        isis-routing-ipv4
      </isis-routing-ipv4>
      <isis-routing-ipv6>
        isis-routing-ipv6
      </isis-routing-ipv6>
      <isis-routing-clns>
        isis-routing-clns
      </isis-routing-clns>
    </isis-routing>
  </isis-overview>
</isis-overview-information>
```

**Description** List of routed IS-IS address families

```
<isis-routing-table>
```

#### Usage

```
<isis-routing-table>
  <isis-topology-id>
    isis-topology-id
  </isis-topology-id>
```

```
<level-one-version>
  level-one-version
</level-one-version>
<level-two-version>
  level-two-version
</level-two-version>
<isis-route>....</isis-route>
</isis-routing-table>
```

#### Description

### <isis-routing-table>

#### Usage

```
<isis-route-information>
  <isis-routing-table>
    <isis-topology-id>
      isis-topology-id
    </isis-topology-id>
    <level-one-version>
      level-one-version
    </level-one-version>
    <level-two-version>
      level-two-version
    </level-two-version>
    <isis-route>....</isis-route>
  </isis-routing-table>
</isis-route-information>
```

#### Description

### <isis-spf>

#### Usage

```
<isis-overview>
  <isis-spf-information>
    <isis-spf>
      <isis-spf-results-header>....</isis-spf-results-header>
      <isis-spf-result>....</isis-spf-result>
      <node-count>
        node-count
      </node-count>
      <isis-spf-log-header>....</isis-spf-log-header>
      <isis-spf-log>....</isis-spf-log>
      <isis-backup-spf-result>....</isis-backup-spf-result>
    </isis-spf>
  </isis-spf-information>
</isis-overview>
```

#### Description

**<isis-spf>****Usage**

```

<isis-overview-information>
  <isis-overview>
    <isis-spf-information>
      <isis-spf>
        <isis-spf-results-header>....</isis-spf-results-header>
        <isis-spf-result>....</isis-spf-result>
        <node-count>
          node-count
        </node-count>
        <isis-spf-log-header>....</isis-spf-log-header>
        <isis-spf-log>....</isis-spf-log>
        <isis-backup-spf-result>....</isis-backup-spf-result>
      </isis-spf>
    </isis-spf-information>
  </isis-overview>
</isis-overview-information>

```

**Description****<isis-spf>****Usage**

```

<isis-spf>
  <isis-spf-results-header>....</isis-spf-results-header>
  <isis-spf-result>....</isis-spf-result>
  <node-count>
    node-count
  </node-count>
  <isis-spf-log-header>....</isis-spf-log-header>
  <isis-spf-log>....</isis-spf-log>
  <isis-backup-spf-result>....</isis-backup-spf-result>
</isis-spf>

```

**Description****<isis-spf>****Usage**

```

<isis-spf-information>
  <isis-spf>
    <isis-spf-results-header>....</isis-spf-results-header>
    <isis-spf-result>....</isis-spf-result>
    <node-count>
      node-count
    </node-count>
    <isis-spf-log-header>....</isis-spf-log-header>
    <isis-spf-log>....</isis-spf-log>
    <isis-backup-spf-result>....</isis-backup-spf-result>
  </isis-spf>

```

</isis-spf-information>

#### Description

### <isis-spf-information>

#### Usage

```
<isis-overview>
  <isis-spf-information>
    <isis-spf-delay>
      isis-spf-delay
    </isis-spf-delay>
    <isis-spf-holddown>
      isis-spf-holddown
    </isis-spf-holddown>
    <isis-spf-rapid-runs>
      isis-spf-rapid-runs
    </isis-spf-rapid-runs>
    <isis-spf>....</isis-spf>
  </isis-spf-information>
</isis-overview>
```

Description    SPF options

### <isis-spf-information>

#### Usage

```
<isis-overview-information>
  <isis-overview>
    <isis-spf-information>
      <isis-spf-delay>
        isis-spf-delay
      </isis-spf-delay>
      <isis-spf-holddown>
        isis-spf-holddown
      </isis-spf-holddown>
      <isis-spf-rapid-runs>
        isis-spf-rapid-runs
      </isis-spf-rapid-runs>
      <isis-spf>....</isis-spf>
    </isis-spf-information>
  </isis-overview>
</isis-overview-information>
```

Description    SPF options

### <isis-spf-information>

#### Usage

```
<isis-spf-information>
  <isis-spf-delay>
```

```

    isis-spf-delay
  </isis-spf-delay>
  <isis-spf-holddown>
    isis-spf-holddown
  </isis-spf-holddown>
  <isis-spf-rapid-runs>
    isis-spf-rapid-runs
  </isis-spf-rapid-runs>
  <isis-spf>.....</isis-spf>
</isis-spf-information>

```

**Description** SPF options

### <isis-spf-log>

#### Usage

```

<isis-overview>
  <isis-spf-information>
    <isis-spf>
      <isis-spf-log>
        <start-time>
          start-time
        </start-time>
        <elapsed-time>
          elapsed-time
        </elapsed-time>
        <spf-trigger-count>
          spf-trigger-count
        </spf-trigger-count>
        <logging-reason>
          logging-reason
        </logging-reason>
        <lsp-name>
          lsp-name
        </lsp-name>
        <system-name>
          system-name
        </system-name>
        <interface-name>
          interface-name
        </interface-name>
      </isis-spf-log>
    </isis-spf>
  </isis-spf-information>
</isis-overview>

```

**Description**

### <isis-spf-log>

#### Usage

```

<isis-overview-information>
  <isis-overview>

```

```
<isis-spf-information>
  <isis-spf>
    <isis-spf-log>
      <start-time>
        start-time
      </start-time>
      <elapsed-time>
        elapsed-time
      </elapsed-time>
      <spf-trigger-count>
        spf-trigger-count
      </spf-trigger-count>
      <logging-reason>
        logging-reason
      </logging-reason>
      <lsp-name>
        lsp-name
      </lsp-name>
      <system-name>
        system-name
      </system-name>
      <interface-name>
        interface-name
      </interface-name>
    </isis-spf-log>
  </isis-spf>
</isis-spf-information>
</isis-overview>
</isis-overview-information>
```

## Description

### <isis-spf-log>

#### Usage

```
<isis-spf-log>
  <start-time>
    start-time
  </start-time>
  <elapsed-time>
    elapsed-time
  </elapsed-time>
  <spf-trigger-count>
    spf-trigger-count
  </spf-trigger-count>
  <logging-reason>
    logging-reason
  </logging-reason>
  <lsp-name>
    lsp-name
  </lsp-name>
  <system-name>
    system-name
  </system-name>
  <interface-name>
```



```

    interface-name
  </interface-name>
</isis-spf-log>

```

#### Description

### <isis-spf-log>

#### Usage

```

<isis-spf>
  <isis-spf-log>
    <start-time>
      start-time
    </start-time>
    <elapsed-time>
      elapsed-time
    </elapsed-time>
    <spf-trigger-count>
      spf-trigger-count
    </spf-trigger-count>
    <logging-reason>
      logging-reason
    </logging-reason>
    <lsp-name>
      lsp-name
    </lsp-name>
    <system-name>
      system-name
    </system-name>
    <interface-name>
      interface-name
    </interface-name>
  </isis-spf-log>
</isis-spf>

```

#### Description

### <isis-spf-log>

#### Usage

```

<isis-spf-information>
  <isis-spf>
    <isis-spf-log>
      <start-time>
        start-time
      </start-time>
      <elapsed-time>
        elapsed-time
      </elapsed-time>
      <spf-trigger-count>
        spf-trigger-count
      </spf-trigger-count>
      <logging-reason>
        logging-reason
    </isis-spf-log>
  </isis-spf>
</isis-spf-information>

```

```
</logging-reason>
<lsp-name>
  lsp-name
</lsp-name>
<system-name>
  system-name
</system-name>
<interface-name>
  interface-name
</interface-name>
</isis-spf-log>
</isis-spf>
</isis-spf-information>
```

#### Description

**<isis-spf-log-header>**

#### Usage

```
<isis-overview>
<isis-spf-information>
<isis-spf>
  <isis-spf-log-header>
    <level>
      level
    </level>
    <isis-topology-id>
      isis-topology-id
    </isis-topology-id>
  </isis-spf-log-header>
</isis-spf>
</isis-spf-information>
</isis-overview>
```

#### Description

**<isis-spf-log-header>**

#### Usage

```
<isis-overview-information>
<isis-overview>
<isis-spf-information>
<isis-spf>
  <isis-spf-log-header>
    <level>
      level
    </level>
    <isis-topology-id>
      isis-topology-id
    </isis-topology-id>
  </isis-spf-log-header>
</isis-spf>
</isis-spf-information>
</isis-overview>
```

</isis-overview-information>

#### Description

<isis-spf-log-header>

#### Usage

```
<isis-spf-log-header>
  <level>
    level
  </level>
  <isis-topology-id>
    isis-topology-id
  </isis-topology-id>
</isis-spf-log-header>
```

#### Description

<isis-spf-log-header>

#### Usage

```
<isis-spf>
  <isis-spf-log-header>
    <level>
      level
    </level>
    <isis-topology-id>
      isis-topology-id
    </isis-topology-id>
  </isis-spf-log-header>
</isis-spf>
```

#### Description

<isis-spf-log-header>

#### Usage

```
<isis-spf-information>
  <isis-spf>
    <isis-spf-log-header>
      <level>
        level
      </level>
      <isis-topology-id>
        isis-topology-id
      </isis-topology-id>
    </isis-spf-log-header>
  </isis-spf>
</isis-spf-information>
```

#### Description

## <isis-spf-result>

### Usage

```
<isis-overview>
  <isis-spf-information>
    <isis-spf>
      <isis-spf-result>
        <node-id>
          node-id
        </node-id>
        <node-address>
          node-address
        </node-address>
        <disconnected>
          disconnected
        </disconnected>
        <metric>
          metric
        </metric>
        <no-first-fragment>
          no-first-fragment
        </no-first-fragment>
        <next-hop-element>....</next-hop-element>
        <prefix-element>....</prefix-element>
        <end-system-element>....</end-system-element>
      </isis-spf-result>
    </isis-spf>
  </isis-spf-information>
</isis-overview>
```

### Description

## <isis-spf-result>

### Usage

```
<isis-overview-information>
  <isis-overview>
    <isis-spf-information>
      <isis-spf>
        <isis-spf-result>
          <node-id>
            node-id
          </node-id>
          <node-address>
            node-address
          </node-address>
          <disconnected>
            disconnected
          </disconnected>
          <metric>
            metric
          </metric>
          <no-first-fragment>
            no-first-fragment
```

```

</no-first-fragment>
<next-hop-element>....</next-hop-element>
<prefix-element>....</prefix-element>
<end-system-element>....</end-system-element>
</isis-spf-result>
</isis-spf>
</isis-spf-information>
</isis-overview>
</isis-overview-information>

```

## Description

### <isis-spf-result>

#### Usage

```

<isis-spf-result>
  <node-id>
    node-id
  </node-id>
  <node-address>
    node-address
  </node-address>
  <disconnected>
    disconnected
  </disconnected>
  <metric>
    metric
  </metric>
  <no-first-fragment>
    no-first-fragment
  </no-first-fragment>
  <next-hop-element>....</next-hop-element>
  <prefix-element>....</prefix-element>
  <end-system-element>....</end-system-element>
</isis-spf-result>

```

## Description

### <isis-spf-result>

#### Usage

```

<isis-spf>
  <isis-spf-result>
    <node-id>
      node-id
    </node-id>
    <node-address>
      node-address
    </node-address>
    <disconnected>
      disconnected
    </disconnected>
    <metric>
      metric

```

```
</metric>
<no-first-fragment>
  no-first-fragment
</no-first-fragment>
<next-hop-element>....</next-hop-element>
<prefix-element>....</prefix-element>
<end-system-element>....</end-system-element>
</isis-spf-result>
</isis-spf>
```

## Description

### <isis-spf-result>

#### Usage

```
<isis-spf-information>
<isis-spf>
  <isis-spf-result>
    <node-id>
      node-id
    </node-id>
    <node-address>
      node-address
    </node-address>
    <disconnected>
      disconnected
    </disconnected>
    <metric>
      metric
    </metric>
    <no-first-fragment>
      no-first-fragment
    </no-first-fragment>
    <next-hop-element>....</next-hop-element>
    <prefix-element>....</prefix-element>
    <end-system-element>....</end-system-element>
  </isis-spf-result>
</isis-spf>
</isis-spf-information>
```

## Description

### <isis-spf-results-header>

#### Usage

```
<isis-overview>
<isis-spf-information>
<isis-spf>
  <isis-spf-results-header>
    <level>
      level
    </level>
    <isis-topology-id>
      isis-topology-id
```

```

        </isis-topology-id>
      </isis-spf-results-header>
    </isis-spf>
  </isis-spf-information>
</isis-overview>

```

#### Description

### <isis-spf-results-header>

#### Usage

```

<isis-overview-information>
  <isis-overview>
    <isis-spf-information>
      <isis-spf>
        <isis-spf-results-header>
          <level>
            level
          </level>
          <isis-topology-id>
            isis-topology-id
          </isis-topology-id>
        </isis-spf-results-header>
      </isis-spf>
    </isis-spf-information>
  </isis-overview>
</isis-overview-information>

```

#### Description

### <isis-spf-results-header>

#### Usage

```

<isis-spf-results-header>
  <level>
    level
  </level>
  <isis-topology-id>
    isis-topology-id
  </isis-topology-id>
</isis-spf-results-header>

```

#### Description

### <isis-spf-results-header>

#### Usage

```

<isis-spf>
  <isis-spf-results-header>
    <level>
      level
    </level>
    <isis-topology-id>

```

```
isis-topology-id
</isis-topology-id>
</isis-spf-results-header>
</isis-spf>
```

#### Description

### <isis-spf-results-header>

#### Usage

```
<isis-spf-information>
<isis-spf>
<isis-spf-results-header>
<level>
level
</level>
<isis-topology-id>
isis-topology-id
</isis-topology-id>
</isis-spf-results-header>
</isis-spf>
</isis-spf-information>
```

#### Description

### <isis-srlg-tlv>

#### Usage

```
<isis-tlv>
<isis-srlg-tlv>
<address-prefix>
address-prefix
</address-prefix>
<srlg-flag>
srlg-flag
</srlg-flag>
<srlg-local-ifindex>
srlg-local-ifindex
</srlg-local-ifindex>
<srlg-remote-ifindex>
srlg-remote-ifindex
</srlg-remote-ifindex>
<srlg-address>
srlg-address
</srlg-address>
<srlg-neighbor-prefix>
srlg-neighbor-prefix
</srlg-neighbor-prefix>
<isis-srlg-value>....</isis-srlg-value>
</isis-srlg-tlv>
</isis-tlv>
```

#### Description



**<isis-srlg-tlv>****Usage**

```

<isis-database-entry>
<isis-tlv>
  <isis-srlg-tlv>
    <address-prefix>
      address-prefix
    </address-prefix>
    <srlg-flag>
      srlg-flag
    </srlg-flag>
    <srlg-local-ifindex>
      srlg-local-ifindex
    </srlg-local-ifindex>
    <srlg-remote-ifindex>
      srlg-remote-ifindex
    </srlg-remote-ifindex>
    <srlg-address>
      srlg-address
    </srlg-address>
    <srlg-neighbor-prefix>
      srlg-neighbor-prefix
    </srlg-neighbor-prefix>
    <isis-srlg-value>....</isis-srlg-value>
  </isis-srlg-tlv>
</isis-tlv>
</isis-database-entry>

```

**Description****<isis-srlg-tlv>****Usage**

```

<isis-database>
<isis-database-entry>
<isis-tlv>
  <isis-srlg-tlv>
    <address-prefix>
      address-prefix
    </address-prefix>
    <srlg-flag>
      srlg-flag
    </srlg-flag>
    <srlg-local-ifindex>
      srlg-local-ifindex
    </srlg-local-ifindex>
    <srlg-remote-ifindex>
      srlg-remote-ifindex
    </srlg-remote-ifindex>
    <srlg-address>
      srlg-address
    </srlg-address>
    <srlg-neighbor-prefix>

```

```
    srlg-neighbor-prefix
  </srlg-neighbor-prefix>
  <isis-srlg-value>....</isis-srlg-value>
</isis-srlg-tlv>
</isis-tlv>
</isis-database-entry>
</isis-database>
```

#### Description

### <isis-srlg-tlv>

#### Usage

```
<isis-database-information>
<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <isis-srlg-tlv>
        <address-prefix>
          address-prefix
        </address-prefix>
        <srlg-flag>
          srlg-flag
        </srlg-flag>
        <srlg-local-ifindex>
          srlg-local-ifindex
        </srlg-local-ifindex>
        <srlg-remote-ifindex>
          srlg-remote-ifindex
        </srlg-remote-ifindex>
        <srlg-address>
          srlg-address
        </srlg-address>
        <srlg-neighbor-prefix>
          srlg-neighbor-prefix
        </srlg-neighbor-prefix>
        <isis-srlg-value>....</isis-srlg-value>
      </isis-srlg-tlv>
    </isis-tlv>
  </isis-database-entry>
</isis-database>
</isis-database-information>
```

#### Description

### <isis-srlg-value>

#### Usage

```
<isis-tlv>
  <isis-srlg-tlv>
    <isis-srlg-value>
      <isis-srlg-name>
        isis-srlg-name
      </isis-srlg-name>
```

```

    </isis-srlg-value>
  </isis-srlg-tlv>
</isis-tlv>

```

#### Description

<isis-srlg-value>

#### Usage

```

<isis-database-entry>
  <isis-tlv>
    <isis-srlg-tlv>
      <isis-srlg-value>
        <isis-srlg-name>
          isis-srlg-name
        </isis-srlg-name>
      </isis-srlg-value>
    </isis-srlg-tlv>
  </isis-tlv>
</isis-database-entry>

```

#### Description

<isis-srlg-value>

#### Usage

```

<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <isis-srlg-tlv>
        <isis-srlg-value>
          <isis-srlg-name>
            isis-srlg-name
          </isis-srlg-name>
        </isis-srlg-value>
      </isis-srlg-tlv>
    </isis-tlv>
  </isis-database-entry>
</isis-database>

```

#### Description

<isis-srlg-value>

#### Usage

```

<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <isis-srlg-tlv>
          <isis-srlg-value>
            <isis-srlg-name>
              isis-srlg-name
            </isis-srlg-name>
          </isis-srlg-value>
        </isis-srlg-tlv>
      </isis-tlv>
    </isis-database-entry>
  </isis-database>
</isis-database-information>

```

```
        </isis-srlg-name>
        </isis-srlg-value>
    </isis-srlg-tlv>
</isis-tlv>
</isis-database-entry>
</isis-database>
</isis-database-information>
```

#### Description

### <isis-statistics>

#### Usage

```
<isis-statistics>
  <system-name>
    system-name
  </system-name>
  <isis-pdu-statistics>....</isis-pdu-statistics>
  <totals-information>....</totals-information>
  <snp-queue-length>
    snp-queue-length
  </snp-queue-length>
  <snp-queue-drops>
    snp-queue-drops
  </snp-queue-drops>
  <lsp-queue-length>
    lsp-queue-length
  </lsp-queue-length>
  <lsp-queue-drops>
    lsp-queue-drops
  </lsp-queue-drops>
  <spf-runs>
    spf-runs
  </spf-runs>
  <fragments-rebuilt>
    fragments-rebuilt
  </fragments-rebuilt>
  <lsp-regenerated>
    lsp-regenerated
  </lsp-regenerated>
  <purges-initiated>
    purges-initiated
  </purges-initiated>
</isis-statistics>
```

#### Description

### <isis-statistics>

#### Usage

```
<isis-statistics-information>
  <isis-statistics>
    <system-name>
      system-name
```

```

</system-name>
<isis-pdu-statistics>....</isis-pdu-statistics>
<totals-information>....</totals-information>
<snp-queue-length>
  snp-queue-length
</snp-queue-length>
<snp-queue-drops>
  snp-queue-drops
</snp-queue-drops>
<lsp-queue-length>
  lsp-queue-length
</lsp-queue-length>
<lsp-queue-drops>
  lsp-queue-drops
</lsp-queue-drops>
<spf-runs>
  spf-runs
</spf-runs>
<fragments-rebuilt>
  fragments-rebuilt
</fragments-rebuilt>
<lsp-regenerated>
  lsp-regenerated
</lsp-regenerated>
<purges-initiated>
  purges-initiated
</purges-initiated>
</isis-statistics>
</isis-statistics-information>

```

#### Description

### <isis-statistics-information>

#### Usage

```

<isis-statistics-information>
  <isis-statistics>....</isis-statistics>
</isis-statistics-information>

```

#### Description

### <isis-tlv>

#### Usage

```

<isis-tlv>
  <isis-tlv-overhead>....</isis-tlv-overhead>
  <area-address-tlv>....</area-address-tlv>
  <protocols-tlv>....</protocols-tlv>
  <mt-tlv>....</mt-tlv>
  <hostname-tlv>....</hostname-tlv>
  <ipaddress-tlv>....</ipaddress-tlv>
  <ipv6address-tlv>....</ipv6address-tlv>
  <router-id-tlv>....</router-id-tlv>
  <reachability-tlv>....</reachability-tlv>

```

```
<isis-iso-prefix-tlv>....</isis-iso-prefix-tlv>
<isis-prefix-subtlv>....</isis-prefix-subtlv>
<ipv6-reachability-tlv>....</ipv6-reachability-tlv>
<isis-reachability-subtlv>....</isis-reachability-subtlv>
<authentication-tlv>....</authentication-tlv>
<idrp-tlv>....</idrp-tlv>
<ip-prefix-tlv>....</ip-prefix-tlv>
<isis-srlg-tlv>....</isis-srlg-tlv>
<unknown-tlv>....</unknown-tlv>
<tlv-stragglers>....</tlv-stragglers>
</isis-tlv>
```

## Description

### <isis-tlv>

#### Usage

```
<isis-database-entry>
<isis-tlv>
  <isis-tlv-overhead>....</isis-tlv-overhead>
  <area-address-tlv>....</area-address-tlv>
  <protocols-tlv>....</protocols-tlv>
  <mt-tlv>....</mt-tlv>
  <hostname-tlv>....</hostname-tlv>
  <ipaddress-tlv>....</ipaddress-tlv>
  <ipv6address-tlv>....</ipv6address-tlv>
  <router-id-tlv>....</router-id-tlv>
  <reachability-tlv>....</reachability-tlv>
  <isis-iso-prefix-tlv>....</isis-iso-prefix-tlv>
  <isis-prefix-subtlv>....</isis-prefix-subtlv>
  <ipv6-reachability-tlv>....</ipv6-reachability-tlv>
  <isis-reachability-subtlv>....</isis-reachability-subtlv>
  <authentication-tlv>....</authentication-tlv>
  <idrp-tlv>....</idrp-tlv>
  <ip-prefix-tlv>....</ip-prefix-tlv>
  <isis-srlg-tlv>....</isis-srlg-tlv>
  <unknown-tlv>....</unknown-tlv>
  <tlv-stragglers>....</tlv-stragglers>
</isis-tlv>
</isis-database-entry>
```

## Description

### <isis-tlv>

#### Usage

```
<isis-database>
<isis-database-entry>
  <isis-tlv>
    <isis-tlv-overhead>....</isis-tlv-overhead>
    <area-address-tlv>....</area-address-tlv>
    <protocols-tlv>....</protocols-tlv>
    <mt-tlv>....</mt-tlv>
    <hostname-tlv>....</hostname-tlv>
```

```

<ipaddress-tlv>....</ipaddress-tlv>
<ipv6address-tlv>....</ipv6address-tlv>
<router-id-tlv>....</router-id-tlv>
<reachability-tlv>....</reachability-tlv>
<isis-iso-prefix-tlv>....</isis-iso-prefix-tlv>
<isis-prefix-subtlv>....</isis-prefix-subtlv>
<ipv6-reachability-tlv>....</ipv6-reachability-tlv>
<isis-reachability-subtlv>....</isis-reachability-subtlv>
<authentication-tlv>....</authentication-tlv>
<idrp-tlv>....</idrp-tlv>
<ip-prefix-tlv>....</ip-prefix-tlv>
<isis-srlg-tlv>....</isis-srlg-tlv>
<unknown-tlv>....</unknown-tlv>
<tlv-stragglers>....</tlv-stragglers>
</isis-tlv>
</isis-database-entry>
</isis-database>

```

## Description

### <isis-tlv>

## Usage

```

<isis-database-information>
<isis-database>
<isis-database-entry>
<isis-tlv>
  <isis-tlv-overhead>....</isis-tlv-overhead>
  <area-address-tlv>....</area-address-tlv>
  <protocols-tlv>....</protocols-tlv>
  <mt-tlv>....</mt-tlv>
  <hostname-tlv>....</hostname-tlv>
  <ipaddress-tlv>....</ipaddress-tlv>
  <ipv6address-tlv>....</ipv6address-tlv>
  <router-id-tlv>....</router-id-tlv>
  <reachability-tlv>....</reachability-tlv>
  <isis-iso-prefix-tlv>....</isis-iso-prefix-tlv>
  <isis-prefix-subtlv>....</isis-prefix-subtlv>
  <ipv6-reachability-tlv>....</ipv6-reachability-tlv>
  <isis-reachability-subtlv>....</isis-reachability-subtlv>
  <authentication-tlv>....</authentication-tlv>
  <idrp-tlv>....</idrp-tlv>
  <ip-prefix-tlv>....</ip-prefix-tlv>
  <isis-srlg-tlv>....</isis-srlg-tlv>
  <unknown-tlv>....</unknown-tlv>
  <tlv-stragglers>....</tlv-stragglers>
</isis-tlv>
</isis-database-entry>
</isis-database>
</isis-database-information>

```

## Description

## <isis-tlv-overhead>

### Usage

```
<isis-tlv>
  <isis-tlv-overhead>
    <isis-tlv-type>
      isis-tlv-type
    </isis-tlv-type>
    <tlv-length>
      tlv-length
    </tlv-length>
    <bytes-left>
      bytes-left
    </bytes-left>
  </isis-tlv-overhead>
</isis-tlv>
```

### Description

## <isis-tlv-overhead>

### Usage

```
<isis-database-entry>
  <isis-tlv>
    <isis-tlv-overhead>
      <isis-tlv-type>
        isis-tlv-type
      </isis-tlv-type>
      <tlv-length>
        tlv-length
      </tlv-length>
      <bytes-left>
        bytes-left
      </bytes-left>
    </isis-tlv-overhead>
  </isis-tlv>
</isis-database-entry>
```

### Description

## <isis-tlv-overhead>

### Usage

```
<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <isis-tlv-overhead>
        <isis-tlv-type>
          isis-tlv-type
        </isis-tlv-type>
        <tlv-length>
          tlv-length
        </tlv-length>
```



```

    <bytes-left>
      bytes-left
    </bytes-left>
  </isis-tlv-overhead>
</isis-tlv>
</isis-database-entry>
</isis-database>

```

#### Description

#### <isis-tlv-overhead>

#### Usage

```

<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <isis-tlv-overhead>
          <isis-tlv-type>
            isis-tlv-type
          </isis-tlv-type>
          <tlv-length>
            tlv-length
          </tlv-length>
          <bytes-left>
            bytes-left
          </bytes-left>
        </isis-tlv-overhead>
      </isis-tlv>
    </isis-database-entry>
  </isis-database>
</isis-database-information>

```

#### Description

#### <isis-traffic-engineering>

#### Usage

```

<isis-overview>
  <isis-traffic-engineering>
    <isis-te-status>
      isis-te-status
    </isis-te-status>
    <isis-te-shortcuts-ipv4>
      isis-te-shortcuts-ipv4
    </isis-te-shortcuts-ipv4>
    <isis-te-shortcuts-ipv6>
      isis-te-shortcuts-ipv6
    </isis-te-shortcuts-ipv6>
    <isis-te-shortcuts-clns>
      isis-te-shortcuts-clns
    </isis-te-shortcuts-clns>
    <isis-ipv4-multicast-rpf-routes>
      isis-ipv4-multicast-rpf-routes

```

```
</isis-ipv4-multicast-rpf-routes>
<isis-ignore-lsp-metrics>
  isis-ignore-lsp-metrics
</isis-ignore-lsp-metrics>
<isis-ted-credibility-preference>
  isis-ted-credibility-preference
</isis-ted-credibility-preference>
</isis-traffic-engineering>
</isis-overview>
```

**Description** Traffic engineering

### <isis-traffic-engineering>

#### Usage

```
<isis-overview-information>
<isis-overview>
  <isis-traffic-engineering>
    <isis-te-status>
      isis-te-status
    </isis-te-status>
    <isis-te-shortcuts-ipv4>
      isis-te-shortcuts-ipv4
    </isis-te-shortcuts-ipv4>
    <isis-te-shortcuts-ipv6>
      isis-te-shortcuts-ipv6
    </isis-te-shortcuts-ipv6>
    <isis-te-shortcuts-clns>
      isis-te-shortcuts-clns
    </isis-te-shortcuts-clns>
    <isis-ipv4-multicast-rpf-routes>
      isis-ipv4-multicast-rpf-routes
    </isis-ipv4-multicast-rpf-routes>
    <isis-ignore-lsp-metrics>
      isis-ignore-lsp-metrics
    </isis-ignore-lsp-metrics>
    <isis-ted-credibility-preference>
      isis-ted-credibility-preference
    </isis-ted-credibility-preference>
  </isis-traffic-engineering>
</isis-overview>
</isis-overview-information>
```

**Description** Traffic engineering

### <join-family>

#### Usage

```
<pim-join-information>
<join-family>
  <pim-instance>
    pim-instance
```

```

</pim-instance>
<address-family>
  address-family
</address-family>
<join-summary>....</join-summary>
<join-group>....</join-group>
</join-family>
</pim-join-information>

```

## Description

### <join-group>

#### Usage

```

<pim-join-information>
<join-family>
  <join-group>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <rendezvous-point-address>
      rendezvous-point-address
    </rendezvous-point-address>
    <pim-group-flags>....</pim-group-flags>
    <upstream-protocol-name>
      upstream-protocol-name
    </upstream-protocol-name>
    <upstream-interface-name>
      upstream-interface-name
    </upstream-interface-name>
    <pim-interface-state>
      pim-interface-state
    </pim-interface-state>
    <upstream-neighbor>
      upstream-neighbor
    </upstream-neighbor>
    <upstream-neighbor-rpf-origin>
      upstream-neighbor-rpf-origin
    </upstream-neighbor-rpf-origin>
    <dense-event>....</dense-event>
    <downstream-interface>....</downstream-interface>
    <upstream-state-flags>....</upstream-state-flags>
    <keepalive-timeout>
      keepalive-timeout
    </keepalive-timeout>
    <no-keepalive-timeout>
      no-keepalive-timeout
    </no-keepalive-timeout>
    <sparse-downstream-interface>....</sparse-downstream-interface>
  </join-group>
</join-family>

```

</pim-join-information>

#### Description

### <join-summary>

#### Usage

```
<pim-join-information>
  <join-family>
    <join-summary>
      <multicast-route-type>
        multicast-route-type
      </multicast-route-type>
      <multicast-route-count>
        multicast-route-count
      </multicast-route-count>
    </join-summary>
  </join-family>
</pim-join-information>
```

#### Description

### <juniper-routing-aspath>

#### Usage

```
<juniper-routing-aspath>
  <aspath-domain>....</aspath-domain>
  <aspath-table>....</aspath-table>
</juniper-routing-aspath>
```

#### Description

### <l2circuit-connection-information>

#### Usage

```
<l2circuit-connection-information>
  <l2circuit-neighbor>....</l2circuit-neighbor>
</l2circuit-connection-information>
```

#### Description

### <l2circuit-neighbor>

#### Usage

```
<l2circuit-connection-information>
  <l2circuit-neighbor>
    <neighbor-address>
      neighbor-address
    </neighbor-address>
    <neighbor-display-error>
      neighbor-display-error
    </neighbor-display-error>
```

```

<lsw-interface-name>
  lsw-interface-name
</lsw-interface-name>
<connection>....</connection>
<connections-summary>....</connections-summary>
</l2circuit-neighbor>
</l2circuit-connection-information>

```

**Description****<l2ckt-label-repository>****Usage**

```

<l2ckt-label-repository>
  <neighbor-id>
    neighbor-id
  </neighbor-id>
  <vc-id>
    vc-id
  </vc-id>
  <vc-label>
    vc-label
  </vc-label>
  <label-repository-state>
    label-repository-state
  </label-repository-state>
</l2ckt-label-repository>

```

**Description** Information about one or more Layer-2 circuit label replication entries

**<l2ckt-label-repository>****Usage**

```

<l2ckt-label-repository-information>
  <l2ckt-label-repository>
    <neighbor-id>
      neighbor-id
    </neighbor-id>
    <vc-id>
      vc-id
    </vc-id>
    <vc-label>
      vc-label
    </vc-label>
    <label-repository-state>
      label-repository-state
    </label-repository-state>
  </l2ckt-label-repository>
</l2ckt-label-repository-information>

```

**Description** Information about one or more Layer-2 circuit label replication entries

### <l2ckt-label-repository-information>

#### Usage

```
<l2ckt-label-repository-information>  
  <l2ckt-label-repository>....</l2ckt-label-repository>  
</l2ckt-label-repository-information>
```

**Description** Information about the Layer-2 circuit label replication

### <l2iw-domain>

#### Usage

```
<l2iw-domain>  
  <l2iw-domain-name>  
    l2iw-domain-name  
  </l2iw-domain-name>  
</l2iw-domain>
```

#### Description

### <l2iw-domain>

#### Usage

```
<l2iw-peering-information>  
  <l2iw-domain>  
    <l2iw-domain-name>  
      l2iw-domain-name  
    </l2iw-domain-name>  
  </l2iw-domain>  
</l2iw-peering-information>
```

#### Description

### <l2iw-peering-information>

#### Usage

```
<l2iw-peering-information>  
  <l2iw-domain>....</l2iw-domain>  
</l2iw-peering-information>
```

#### Description

### <l2vpn-connection-information>

#### Usage

```
<l2vpn-connection-information>  
  <instance>....</instance>  
</l2vpn-connection-information>
```

#### Description

### <l2vpn-label-repository-information>

#### Usage

```

<l2vpn-label-repository-information>
<l2vpn-route-distinguisher-information>....</l2vpn-route-distinguisher-information>

</l2vpn-label-repository-information>

```

**Description** Information about Layer 2 VPN network label replication

### <l2vpn-labels>

#### Usage

```

<l2vpn-labels>
<instance-id>
  instance-id
</instance-id>
<site-id>
  site-id
</site-id>
<label-block-offset>
  label-block-offset
</label-block-offset>
<label-block-base>
  label-block-base
</label-block-base>
<label-block-range>
  label-block-range
</label-block-range>
</l2vpn-labels>

```

**Description** Information about a Layer 2 VPN allocated label block entry

### <l2vpn-labels>

#### Usage

```

<l2vpn-labels-information>
<l2vpn-labels>
<instance-id>
  instance-id
</instance-id>
<site-id>
  site-id
</site-id>
<label-block-offset>
  label-block-offset
</label-block-offset>
<label-block-base>
  label-block-base
</label-block-base>
<label-block-range>
  label-block-range

```

```
    </label-block-range>
  </l2vpn-labels>
</l2vpn-labels-information>
```

**Description** Information about a Layer 2 VPN allocated label block entry

### <l2vpn-labels-information>

**Usage**

```
<l2vpn-labels-information>
  <l2vpn-labels>....</l2vpn-labels>
</l2vpn-labels-information>
```

**Description** Information about the l2vpn allocated label blocks

### <l2vpn-nlri-advertisement>

**Usage**

```
<l2vpn-nlri-advertisement>
  <site-id>
    site-id
  </site-id>
  <label-block-offset>
    label-block-offset
  </label-block-offset>
  <label-block-base>
    label-block-base
  </label-block-base>
  <label-block-range>
    label-block-range
  </label-block-range>
  <label-repository-state>
    label-repository-state
  </label-repository-state>
</l2vpn-nlri-advertisement>
```

**Description** Information about a Layer 2 VPN network layer reachability information replication entry

### <l2vpn-nlri-advertisement>

**Usage**

```
<l2vpn-route-distinguisher-information>
  <l2vpn-nlri-advertisement>
    <site-id>
      site-id
    </site-id>
    <label-block-offset>
      label-block-offset
    </label-block-offset>
    <label-block-base>
      label-block-base
```



```

</label-block-base>
<label-block-range>
  label-block-range
</label-block-range>
<label-repository-state>
  label-repository-state
</label-repository-state>
</l2vpn-nlri-advertisement>
</l2vpn-route-distinguisher-information>

```

**Description** Information about a Layer 2 VPN network layer reachability information replication entry

### <l2vpn-nlri-advertisement>

#### Usage

```

<l2vpn-label-repository-information>
<l2vpn-route-distinguisher-information>
<l2vpn-nlri-advertisement>
  <site-id>
    site-id
  </site-id>
  <label-block-offset>
    label-block-offset
  </label-block-offset>
  <label-block-base>
    label-block-base
  </label-block-base>
  <label-block-range>
    label-block-range
  </label-block-range>
  <label-repository-state>
    label-repository-state
  </label-repository-state>
</l2vpn-nlri-advertisement>
</l2vpn-route-distinguisher-information>
</l2vpn-label-repository-information>

```

**Description** Information about a Layer 2 VPN network layer reachability information replication entry

### <l2vpn-nlri-advertisement>

#### Usage

```

<vppls-bgp-route-distinguisher-information>
<l2vpn-nlri-advertisement>
  <site-id>
    site-id
  </site-id>
  <label-block-offset>
    label-block-offset
  </label-block-offset>
  <label-block-base>
    label-block-base

```

```
</label-block-base>
<label-block-range>
  label-block-range
</label-block-range>
<label-repository-state>
  label-repository-state
</label-repository-state>
</l2vpn-nlri-advertisement>
</vpls-bgp-route-distinguisher-information>
```

**Description** Information about a Layer 2 VPN network layer reachability information replication entry

### <l2vpn-nlri-advertisement>

#### Usage

```
<vpls-bgp-label-repository-information>
<vpls-bgp-route-distinguisher-information>
  <l2vpn-nlri-advertisement>
    <site-id>
      site-id
    </site-id>
    <label-block-offset>
      label-block-offset
    </label-block-offset>
    <label-block-base>
      label-block-base
    </label-block-base>
    <label-block-range>
      label-block-range
    </label-block-range>
    <label-repository-state>
      label-repository-state
    </label-repository-state>
  </l2vpn-nlri-advertisement>
</vpls-bgp-route-distinguisher-information>
</vpls-bgp-label-repository-information>
```

**Description** Information about a Layer 2 VPN network layer reachability information replication entry

### <l2vpn-route-distinguisher-information>

#### Usage

```
<l2vpn-route-distinguisher-information>
  <route-distinguisher>
    route-distinguisher
  </route-distinguisher>
  <instance-id>
    instance-id
  </instance-id>
  <l2vpn-nlri-advertisement>....</l2vpn-nlri-advertisement>
</l2vpn-route-distinguisher-information>
```

**Description** Information about a route distinguisher replication entry

### <l2vpn-route-distinguisher-information>

#### Usage

```
<l2vpn-label-repository-information>
  <l2vpn-route-distinguisher-information>
    <route-distinguisher>
      route-distinguisher
    </route-distinguisher>
    <instance-id>
      instance-id
    </instance-id>
    <l2vpn-nlri-advertisement>....</l2vpn-nlri-advertisement>
  </l2vpn-route-distinguisher-information>
</l2vpn-label-repository-information>
```

**Description** Information about a route distinguisher replication entry

### <label-block>

#### Usage

```
<label-block>
  <label-block-base>
    label-block-base
  </label-block-base>
  <label-block-offset>
    label-block-offset
  </label-block-offset>
  <label-block-range>
    label-block-range
  </label-block-range>
  <label-block-size>
    label-block-size
  </label-block-size>
  <label-block-preference>
    label-block-preference
  </label-block-preference>
  <label-block-status-vector>
    label-block-status-vector
  </label-block-status-vector>
</label-block>
```

**Description**

### <label-block>

#### Usage

```
<instance>
  <reference-site>
    <label-block>
      <label-block-base>
        label-block-base
```

```
</label-block-base>
<label-block-offset>
  label-block-offset
</label-block-offset>
<label-block-range>
  label-block-range
</label-block-range>
<label-block-size>
  label-block-size
</label-block-size>
<label-block-preference>
  label-block-preference
</label-block-preference>
<label-block-status-vector>
  label-block-status-vector
</label-block-status-vector>
</label-block>
</reference-site>
</instance>
```

#### Description

### <label-block>

#### Usage

```
<instance>
<vpls-protocol-state>
<reference-site>
  <label-block>
    <label-block-base>
      label-block-base
    </label-block-base>
    <label-block-offset>
      label-block-offset
    </label-block-offset>
    <label-block-range>
      label-block-range
    </label-block-range>
    <label-block-size>
      label-block-size
    </label-block-size>
    <label-block-preference>
      label-block-preference
    </label-block-preference>
    <label-block-status-vector>
      label-block-status-vector
    </label-block-status-vector>
  </label-block>
</reference-site>
</vpls-protocol-state>
</instance>
```

#### Description

**<label-block>****Usage**

```

<l2vpn-connection-information>
  <instance>
    <reference-site>
      <label-block>
        <label-block-base>
          label-block-base
        </label-block-base>
        <label-block-offset>
          label-block-offset
        </label-block-offset>
        <label-block-range>
          label-block-range
        </label-block-range>
        <label-block-size>
          label-block-size
        </label-block-size>
        <label-block-preference>
          label-block-preference
        </label-block-preference>
        <label-block-status-vector>
          label-block-status-vector
        </label-block-status-vector>
      </label-block>
    </reference-site>
  </instance>
</l2vpn-connection-information>

```

**Description****<label-block>****Usage**

```

<l2vpn-connection-information>
  <instance>
    <vppls-protocol-state>
      <reference-site>
        <label-block>
          <label-block-base>
            label-block-base
          </label-block-base>
          <label-block-offset>
            label-block-offset
          </label-block-offset>
          <label-block-range>
            label-block-range
          </label-block-range>
          <label-block-size>
            label-block-size
          </label-block-size>
          <label-block-preference>
            label-block-preference

```

```
        </label-block-preference>
        <label-block-status-vector>
          label-block-status-vector
        </label-block-status-vector>
      </label-block>
    </reference-site>
  </vpls-protocol-state>
</instance>
</l2vpn-connection-information>
```

#### Description

### <label-block>

#### Usage

```
<vpls-connection-information>
  <instance>
    <reference-site>
      <label-block>
        <label-block-base>
          label-block-base
        </label-block-base>
        <label-block-offset>
          label-block-offset
        </label-block-offset>
        <label-block-range>
          label-block-range
        </label-block-range>
        <label-block-size>
          label-block-size
        </label-block-size>
        <label-block-preference>
          label-block-preference
        </label-block-preference>
        <label-block-status-vector>
          label-block-status-vector
        </label-block-status-vector>
      </label-block>
    </reference-site>
  </instance>
</vpls-connection-information>
```

#### Description

### <label-block>

#### Usage

```
<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <label-block>
          <label-block-base>
            label-block-base
```

```

</label-block-base>
<label-block-offset>
  label-block-offset
</label-block-offset>
<label-block-range>
  label-block-range
</label-block-range>
<label-block-size>
  label-block-size
</label-block-size>
<label-block-preference>
  label-block-preference
</label-block-preference>
<label-block-status-vector>
  label-block-status-vector
</label-block-status-vector>
</label-block>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-connection-information>

```

## Description

### <label-block>

## Usage

```

<vpls-statistics-information>
<instance>
  <reference-site>
    <label-block>
      <label-block-base>
        label-block-base
      </label-block-base>
      <label-block-offset>
        label-block-offset
      </label-block-offset>
      <label-block-range>
        label-block-range
      </label-block-range>
      <label-block-size>
        label-block-size
      </label-block-size>
      <label-block-preference>
        label-block-preference
      </label-block-preference>
      <label-block-status-vector>
        label-block-status-vector
      </label-block-status-vector>
    </label-block>
  </reference-site>
</instance>
</vpls-statistics-information>

```

**Description****<label-block>****Usage**

```
<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <label-block>
          <label-block-base>
            label-block-base
          </label-block-base>
          <label-block-offset>
            label-block-offset
          </label-block-offset>
          <label-block-range>
            label-block-range
          </label-block-range>
          <label-block-size>
            label-block-size
          </label-block-size>
          <label-block-preference>
            label-block-preference
          </label-block-preference>
          <label-block-status-vector>
            label-block-status-vector
          </label-block-status-vector>
        </label-block>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-statistics-information>
```

**Description****<label-block>****Usage**

```
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <label-block>
        <label-block-base>
          label-block-base
        </label-block-base>
        <label-block-offset>
          label-block-offset
        </label-block-offset>
        <label-block-range>
          label-block-range
        </label-block-range>
        <label-block-size>
          label-block-size
        </label-block-size>
      </label-block>
    </reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
```



```

    <label-block-preference>
      label-block-preference
    </label-block-preference>
    <label-block-status-vector>
      label-block-status-vector
    </label-block-status-vector>
  </label-block>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

## Description

### <label-block>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <label-block>
          <label-block-base>
            label-block-base
          </label-block-base>
          <label-block-offset>
            label-block-offset
          </label-block-offset>
          <label-block-range>
            label-block-range
          </label-block-range>
          <label-block-size>
            label-block-size
          </label-block-size>
          <label-block-preference>
            label-block-preference
          </label-block-preference>
          <label-block-status-vector>
            label-block-status-vector
          </label-block-status-vector>
        </label-block>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

## Description

### <label-block>

#### Usage

```

<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <reference-site>

```

```
<label-block>
  <label-block-base>
    label-block-base
  </label-block-base>
  <label-block-offset>
    label-block-offset
  </label-block-offset>
  <label-block-range>
    label-block-range
  </label-block-range>
  <label-block-size>
    label-block-size
  </label-block-size>
  <label-block-preference>
    label-block-preference
  </label-block-preference>
  <label-block-status-vector>
    label-block-status-vector
  </label-block-status-vector>
</label-block>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

## Description

### <label-block>

#### Usage

```
<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <vpls-protocol-state>
        <reference-site>
          <label-block>
            <label-block-base>
              label-block-base
            </label-block-base>
            <label-block-offset>
              label-block-offset
            </label-block-offset>
            <label-block-range>
              label-block-range
            </label-block-range>
            <label-block-size>
              label-block-size
            </label-block-size>
            <label-block-preference>
              label-block-preference
            </label-block-preference>
            <label-block-status-vector>
              label-block-status-vector
            </label-block-status-vector>
          </label-block>
        </reference-site>
      </vpls-protocol-state>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

```

    </reference-site>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

#### Description

#### <label-block>

##### Usage

```

<mvpn-instance-information>
  <instance>
    <reference-site>
      <label-block>
        <label-block-base>
          label-block-base
        </label-block-base>
        <label-block-offset>
          label-block-offset
        </label-block-offset>
        <label-block-range>
          label-block-range
        </label-block-range>
        <label-block-size>
          label-block-size
        </label-block-size>
        <label-block-preference>
          label-block-preference
        </label-block-preference>
        <label-block-status-vector>
          label-block-status-vector
        </label-block-status-vector>
      </label-block>
    </reference-site>
  </instance>
</mvpn-instance-information>

```

#### Description

#### <label-block>

##### Usage

```

<mvpn-instance-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <label-block>
          <label-block-base>
            label-block-base
          </label-block-base>
          <label-block-offset>
            label-block-offset
          </label-block-offset>

```

```
<label-block-range>
  label-block-range
</label-block-range>
<label-block-size>
  label-block-size
</label-block-size>
<label-block-preference>
  label-block-preference
</label-block-preference>
<label-block-status-vector>
  label-block-status-vector
</label-block-status-vector>
</label-block>
</reference-site>
</vpls-protocol-state>
</instance>
</mvpn-instance-information>
```

#### Description

### <layer2-connection>

#### Usage

```
<rsvp-session-data>
<rsvp-session>
<mpls-lsp>
<mpls-lsp-path>
<layer2-connection>
  <neighbor-address>
    neighbor-address
  </neighbor-address>
  <interface-name>
    interface-name
  </interface-name>
  <vc-id>
    vc-id
  </vc-id>
  <connection-bandwidth>....</connection-bandwidth>
</layer2-connection>
</mpls-lsp-path>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
```

**Description** Layer 2 connection using the LSP path

### <layer2-connection>

#### Usage

```
<rsvp-session>
<mpls-lsp>
<mpls-lsp-path>
<layer2-connection>
```

```

    <neighbor-address>
      neighbor-address
    </neighbor-address>
    <interface-name>
      interface-name
    </interface-name>
    <vc-id>
      vc-id
    </vc-id>
    <connection-bandwidth>....</connection-bandwidth>
  </layer2-connection>
</mpls-lsp-path>
</mpls-lsp>
</rsvp-session>

```

**Description** Layer 2 connection using the LSP path

### <layer2-connection>

#### Usage

```

<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <mpls-lsp-path>
          <layer2-connection>
            <neighbor-address>
              neighbor-address
            </neighbor-address>
            <interface-name>
              interface-name
            </interface-name>
            <vc-id>
              vc-id
            </vc-id>
            <connection-bandwidth>....</connection-bandwidth>
          </layer2-connection>
        </mpls-lsp-path>
      </mpls-lsp>
    </rsvp-session>
  </rsvp-session-data>
</rsvp-session-information>

```

**Description** Layer 2 connection using the LSP path

### <layer2-connection>

#### Usage

```

<mpls-lsp-path>
  <layer2-connection>
    <neighbor-address>
      neighbor-address
    
```

```
</neighbor-address>
<interface-name>
  interface-name
</interface-name>
<vc-id>
  vc-id
</vc-id>
<connection-bandwidth>....</connection-bandwidth>
</layer2-connection>
</mpls-lsp-path>
```

**Description** Layer 2 connection using the LSP path

### <layer2-connection>

#### Usage

```
<mpls-lsp>
<mpls-lsp-path>
  <layer2-connection>
    <neighbor-address>
      neighbor-address
    </neighbor-address>
    <interface-name>
      interface-name
    </interface-name>
    <vc-id>
      vc-id
    </vc-id>
    <connection-bandwidth>....</connection-bandwidth>
  </layer2-connection>
</mpls-lsp-path>
</mpls-lsp>
```

**Description** Layer 2 connection using the LSP path

### <layer2-connection>

#### Usage

```
<mpls-lsp-information>
<rsvp-session-data>
  <rsvp-session>
    <mpls-lsp>
      <mpls-lsp-path>
        <layer2-connection>
          <neighbor-address>
            neighbor-address
          </neighbor-address>
          <interface-name>
            interface-name
          </interface-name>
          <vc-id>
            vc-id
```

```

        </vc-id>
        <connection-bandwidth>....</connection-bandwidth>
    </layer2-connection>
</mpls-lsp-path>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>

```

**Description** Layer 2 connection using the LSP path

### <layer2-connection>

#### Usage

```

<mpls-call-admission-control-information>
<mpls-call-admission-control>
  <mpls-lsp>
    <mpls-lsp-path>
      <layer2-connection>
        <neighbor-address>
          neighbor-address
        </neighbor-address>
        <interface-name>
          interface-name
        </interface-name>
        <vc-id>
          vc-id
        </vc-id>
        <connection-bandwidth>....</connection-bandwidth>
      </layer2-connection>
    </mpls-lsp-path>
  </mpls-lsp>
</mpls-call-admission-control>
</mpls-call-admission-control-information>

```

**Description** Layer 2 connection using the LSP path

### <layer2-tspec>

#### Usage

```

<rsvp-session-data>
<rsvp-session>
  <layer2-tspec>
    <switching-granularity>
      switching-granularity
    </switching-granularity>
    <mtu>
      mtu
    </mtu>
    <atm-vp-bundle-size>
      atm-vp-bundle-size
    </atm-vp-bundle-size>
  </layer2-tspec>
</rsvp-session>
</rsvp-session-data>

```

```
<atm-cell-bundle-size>
  atm-cell-bundle-size
</atm-cell-bundle-size>
</layer2-tspec>
</rsvp-session>
</rsvp-session-data>
```

**Description** Layer 2 TSpec

### <layer2-tspec>

#### Usage

```
<rsvp-session>
  <layer2-tspec>
    <switching-granularity>
      switching-granularity
    </switching-granularity>
    <mtu>
      mtu
    </mtu>
    <atm-vp-bundle-size>
      atm-vp-bundle-size
    </atm-vp-bundle-size>
    <atm-cell-bundle-size>
      atm-cell-bundle-size
    </atm-cell-bundle-size>
  </layer2-tspec>
</rsvp-session>
```

**Description** Layer 2 TSpec

### <layer2-tspec>

#### Usage

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <layer2-tspec>
        <switching-granularity>
          switching-granularity
        </switching-granularity>
        <mtu>
          mtu
        </mtu>
        <atm-vp-bundle-size>
          atm-vp-bundle-size
        </atm-vp-bundle-size>
        <atm-cell-bundle-size>
          atm-cell-bundle-size
        </atm-cell-bundle-size>
      </layer2-tspec>
    </rsvp-session>
```



```

    </rsvp-session-data>
  </rsvp-session-information>

```

**Description** Layer 2 TSpec

### <layer2-tspec>

#### Usage

```

  <mpls-lsp-information>
    <rsvp-session-data>
      <rsvp-session>
        <layer2-tspec>
          <switching-granularity>
            switching-granularity
          </switching-granularity>
          <mtu>
            mtu
          </mtu>
          <atm-vp-bundle-size>
            atm-vp-bundle-size
          </atm-vp-bundle-size>
          <atm-cell-bundle-size>
            atm-cell-bundle-size
          </atm-cell-bundle-size>
        </layer2-tspec>
      </rsvp-session>
    </rsvp-session-data>
  </mpls-lsp-information>

```

**Description** Layer 2 TSpec

### <ldp-binding>

#### Usage

```

  <ldp-database>
    <ldp-binding>
      <ldp-label>
        ldp-label
      </ldp-label>
      <ldp-prefix>
        ldp-prefix
      </ldp-prefix>
      <ldp-binding-filtered>
        ldp-binding-filtered
      </ldp-binding-filtered>
      <ldp-binding-stale>
        ldp-binding-stale
      </ldp-binding-stale>
      <ldp-binding-mtu>
        ldp-binding-mtu
      </ldp-binding-mtu>
      <ldp-binding-cell-bundle-size>

```

```
    ldp-binding-cell-bundle-size
  </ldp-binding-cell-bundle-size>
  <ldp-binding-requested-vlan-id>
    ldp-binding-requested-vlan-id
  </ldp-binding-requested-vlan-id>
  <ldp-binding-bitrate>
    ldp-binding-bitrate
  </ldp-binding-bitrate>
  <ldp-binding-payload-size>
    ldp-binding-payload-size
  </ldp-binding-payload-size>
  <ldp-binding-pw-status-code>
    ldp-binding-pw-status-code
  </ldp-binding-pw-status-code>
  <ldp-binding-state>
    ldp-binding-state
  </ldp-binding-state>
  <ldp-binding-age>
    ldp-binding-age
  </ldp-binding-age>
  <ldp-binding-delete-scheduled>
    ldp-binding-delete-scheduled
  </ldp-binding-delete-scheduled>
  <ldp-binding-queued>
    ldp-binding-queued
  </ldp-binding-queued>
  <ldp-binding-not-yet-sent>
    ldp-binding-not-yet-sent
  </ldp-binding-not-yet-sent>
  <ldp-binding-l2protec-context-id>
    ldp-binding-l2protec-context-id
  </ldp-binding-l2protec-context-id>
  <ldp-binding-l2protec-ctrl-word>
    ldp-binding-l2protec-ctrl-word
  </ldp-binding-l2protec-ctrl-word>
  <ldp-binding-standby>....</ldp-binding-standby>
  <ldp-l2circuit-vccv-cc-type>....</ldp-l2circuit-vccv-cc-type>
  <ldp-l2circuit-vccv-cv-type>....</ldp-l2circuit-vccv-cv-type>
</ldp-binding>
</ldp-database>
```

#### Description

<ldp-binding>

#### Usage

```
<ldp-database-information>
  <ldp-database>
    <ldp-binding>
      <ldp-label>
        ldp-label
      </ldp-label>
      <ldp-prefix>
        ldp-prefix
      </ldp-prefix>
```

```

<ldp-binding-filtered>
  ldp-binding-filtered
</ldp-binding-filtered>
<ldp-binding-stale>
  ldp-binding-stale
</ldp-binding-stale>
<ldp-binding-mtu>
  ldp-binding-mtu
</ldp-binding-mtu>
<ldp-binding-cell-bundle-size>
  ldp-binding-cell-bundle-size
</ldp-binding-cell-bundle-size>
<ldp-binding-requested-vlan-id>
  ldp-binding-requested-vlan-id
</ldp-binding-requested-vlan-id>
<ldp-binding-bitrate>
  ldp-binding-bitrate
</ldp-binding-bitrate>
<ldp-binding-payload-size>
  ldp-binding-payload-size
</ldp-binding-payload-size>
<ldp-binding-pw-status-code>
  ldp-binding-pw-status-code
</ldp-binding-pw-status-code>
<ldp-binding-state>
  ldp-binding-state
</ldp-binding-state>
<ldp-binding-age>
  ldp-binding-age
</ldp-binding-age>
<ldp-binding-delete-scheduled>
  ldp-binding-delete-scheduled
</ldp-binding-delete-scheduled>
<ldp-binding-queued>
  ldp-binding-queued
</ldp-binding-queued>
<ldp-binding-not-yet-sent>
  ldp-binding-not-yet-sent
</ldp-binding-not-yet-sent>
<ldp-binding-l2protec-context-id>
  ldp-binding-l2protec-context-id
</ldp-binding-l2protec-context-id>
<ldp-binding-l2protec-ctrl-word>
  ldp-binding-l2protec-ctrl-word
</ldp-binding-l2protec-ctrl-word>
<ldp-binding-standby>.....</ldp-binding-standby>
<ldp-l2circuit-vccv-cc-type>.....</ldp-l2circuit-vccv-cc-type>
<ldp-l2circuit-vccv-cv-type>.....</ldp-l2circuit-vccv-cv-type>
</ldp-binding>
</ldp-database>
</ldp-database-information>

```

## Description

## <ldp-binding-standby>

### Usage

```
<ldp-database>
  <ldp-binding>
    <ldp-binding-standby>
      <ldp-binding-standby-map-count>
        ldp-binding-standby-map-count
      </ldp-binding-standby-map-count>
      <ldp-binding-standby-rel-count>
        ldp-binding-standby-rel-count
      </ldp-binding-standby-rel-count>
    </ldp-binding-standby>
  </ldp-binding>
</ldp-database>
```

**Description** Standby binding information

## <ldp-binding-standby>

### Usage

```
<ldp-database-information>
  <ldp-database>
    <ldp-binding>
      <ldp-binding-standby>
        <ldp-binding-standby-map-count>
          ldp-binding-standby-map-count
        </ldp-binding-standby-map-count>
        <ldp-binding-standby-rel-count>
          ldp-binding-standby-rel-count
        </ldp-binding-standby-rel-count>
      </ldp-binding-standby>
    </ldp-binding>
  </ldp-database>
</ldp-database-information>
```

**Description** Standby binding information

## <ldp-database>

### Usage

```
<ldp-database>
  <ldp-database-type>
    ldp-database-type
  </ldp-database-type>
  <ldp-session-id>
    ldp-session-id
  </ldp-session-id>
  <ldp-binding>....</ldp-binding>
</ldp-database>
```

**Description****<ldp-database>****Usage**

```
<ldp-database-information>
  <ldp-database>
    <ldp-database-type>
      ldp-database-type
    </ldp-database-type>
    <ldp-session-id>
      ldp-session-id
    </ldp-session-id>
    <ldp-binding>....</ldp-binding>
  </ldp-database>
</ldp-database-information>
```

**Description****<ldp-database-information>****Usage**

```
<ldp-database-information>
  <ldp-database>....</ldp-database>
</ldp-database-information>
```

**Description****<ldp-egress-nh>****Usage**

```
<ldp-p2mp-path>
  <ldp-egress-nh>
    <ldp-egress-nh-type>
      ldp-egress-nh-type
    </ldp-egress-nh-type>
    <interface-name>
      interface-name
    </interface-name>
  </ldp-egress-nh>
</ldp-p2mp-path>
```

**Description****<ldp-egress-nh>****Usage**

```
<ldp-p2mp-path-information>
  <ldp-p2mp-path>
    <ldp-egress-nh>
      <ldp-egress-nh-type>
        ldp-egress-nh-type
      </ldp-egress-nh-type>
```

```
<interface-name>
  interface-name
</interface-name>
</ldp-egress-nh>
</ldp-p2mp-path>
</ldp-p2mp-path-information>
```

#### Description

### <ldp-event-statistics>

#### Usage

```
<ldp-statistics>
  <ldp-event-statistics>
    <ldp-event-type>
      ldp-event-type
    </ldp-event-type>
    <ldp-event-count>
      ldp-event-count
    </ldp-event-count>
    <ldp-event-count-5seconds>
      ldp-event-count-5seconds
    </ldp-event-count-5seconds>
  </ldp-event-statistics>
</ldp-statistics>
```

#### Description

### <ldp-event-statistics>

#### Usage

```
<ldp-statistics-information>
  <ldp-statistics>
    <ldp-event-statistics>
      <ldp-event-type>
        ldp-event-type
      </ldp-event-type>
      <ldp-event-count>
        ldp-event-count
      </ldp-event-count>
      <ldp-event-count-5seconds>
        ldp-event-count-5seconds
      </ldp-event-count-5seconds>
    </ldp-event-statistics>
  </ldp-statistics>
</ldp-statistics-information>
```

#### Description

### <ldp-fec-filter>

#### Usage

```
<ldp-fec-filter>
```

```

<ldp-prefix>
  ldp-prefix
</ldp-prefix>
<ldp-ingress-filter>
  ldp-ingress-filter
</ldp-ingress-filter>
<ldp-ingress-filterid>
  ldp-ingress-filterid
</ldp-ingress-filterid>
<ldp-transit-filter>
  ldp-transit-filter
</ldp-transit-filter>
<ldp-transit-filterid>
  ldp-transit-filterid
</ldp-transit-filterid>
</ldp-fec-filter>

```

#### Description

#### <ldp-fec-filter>

#### Usage

```

<ldp-fec-filters-information>
  <ldp-fec-filter>
    <ldp-prefix>
      ldp-prefix
    </ldp-prefix>
    <ldp-ingress-filter>
      ldp-ingress-filter
    </ldp-ingress-filter>
    <ldp-ingress-filterid>
      ldp-ingress-filterid
    </ldp-ingress-filterid>
    <ldp-transit-filter>
      ldp-transit-filter
    </ldp-transit-filter>
    <ldp-transit-filterid>
      ldp-transit-filterid
    </ldp-transit-filterid>
  </ldp-fec-filter>
</ldp-fec-filters-information>

```

#### Description

#### <ldp-fec-filters-information>

#### Usage

```

<ldp-fec-filters-information>
  <ldp-fec-filter>....</ldp-fec-filter>
</ldp-fec-filters-information>

```

#### Description

## <ldp-gr-overview>

### Usage

```
<ldp-overview>
  <ldp-gr-overview>
    <ldp-gr-restart>
      ldp-gr-restart
    </ldp-gr-restart>
    <ldp-gr-helper>
      ldp-gr-helper
    </ldp-gr-helper>
    <ldp-gr-restarting>
      ldp-gr-restarting
    </ldp-gr-restarting>
    <ldp-gr-reconnect-time>
      ldp-gr-reconnect-time
    </ldp-gr-reconnect-time>
    <ldp-gr-max-neighbor-reconnect-time>
      ldp-gr-max-neighbor-reconnect-time
    </ldp-gr-max-neighbor-reconnect-time>
    <ldp-gr-recovery-time>
      ldp-gr-recovery-time
    </ldp-gr-recovery-time>
    <ldp-gr-max-neighbor-recovery-time>
      ldp-gr-max-neighbor-recovery-time
    </ldp-gr-max-neighbor-recovery-time>
  </ldp-gr-overview>
</ldp-overview>
```

**Description** LDP GR overview

## <ldp-gr-overview>

### Usage

```
<ldp-overview-information>
  <ldp-overview>
    <ldp-gr-overview>
      <ldp-gr-restart>
        ldp-gr-restart
      </ldp-gr-restart>
      <ldp-gr-helper>
        ldp-gr-helper
      </ldp-gr-helper>
      <ldp-gr-restarting>
        ldp-gr-restarting
      </ldp-gr-restarting>
      <ldp-gr-reconnect-time>
        ldp-gr-reconnect-time
      </ldp-gr-reconnect-time>
      <ldp-gr-max-neighbor-reconnect-time>
        ldp-gr-max-neighbor-reconnect-time
      </ldp-gr-max-neighbor-reconnect-time>
      <ldp-gr-recovery-time>
```



```

        ldp-gr-recovery-time
      </ldp-gr-recovery-time>
      <ldp-gr-max-neighbor-recovery-time>
        ldp-gr-max-neighbor-recovery-time
      </ldp-gr-max-neighbor-recovery-time>
    </ldp-gr-overview>
  </ldp-overview>
</ldp-overview-information>

```

**Description** LDP GR overview

### <ldp-igp-overview>

#### Usage

```

<ldp-overview>
  <ldp-igp-overview>
    <ldp-tracking-igp-metric>
      ldp-tracking-igp-metric
    </ldp-tracking-igp-metric>
    <ldp-igp-sync-session-up-delay>
      ldp-igp-sync-session-up-delay
    </ldp-igp-sync-session-up-delay>
  </ldp-igp-overview>
</ldp-overview>

```

**Description** LDP igp overview

### <ldp-igp-overview>

#### Usage

```

<ldp-overview-information>
  <ldp-overview>
    <ldp-igp-overview>
      <ldp-tracking-igp-metric>
        ldp-tracking-igp-metric
      </ldp-tracking-igp-metric>
      <ldp-igp-sync-session-up-delay>
        ldp-igp-sync-session-up-delay
      </ldp-igp-sync-session-up-delay>
    </ldp-igp-overview>
  </ldp-overview>
</ldp-overview-information>

```

**Description** LDP igp overview

### <ldp-instance-capability>

#### Usage

```

<ldp-overview>
  <ldp-instance-capability>
    <ldp-capability>

```

```
    ldp-capability
  </ldp-capability>
</ldp-instance-capability>
</ldp-overview>
```

**Description** LDP capability

### <ldp-instance-capability>

#### Usage

```
<ldp-overview-information>
  <ldp-overview>
    <ldp-instance-capability>
      <ldp-capability>
        ldp-capability
      </ldp-capability>
    </ldp-instance-capability>
  </ldp-overview>
</ldp-overview-information>
```

**Description** LDP capability

### <ldp-interface>

#### Usage

```
<ldp-interface>
  <interface-name>
    interface-name
  </interface-name>
  <ldp-label-space-id>
    ldp-label-space-id
  </ldp-label-space-id>
  <ldp-neighbor-count>
    ldp-neighbor-count
  </ldp-neighbor-count>
  <ldp-next-hello>
    ldp-next-hello
  </ldp-next-hello>
  <ldp-hello-interval>
    ldp-hello-interval
  </ldp-hello-interval>
  <ldp-local-hello-interval>
    ldp-local-hello-interval
  </ldp-local-hello-interval>
  <ldp-holdtime>
    ldp-holdtime
  </ldp-holdtime>
  <ldp-transport-address>
    ldp-transport-address
  </ldp-transport-address>
  <ldp-interface-index>
    ldp-interface-index
```

```

</ldp-interface-index>
<ldp-block-time>
  ldp-block-time
</ldp-block-time>
<ldp-hello-sent>
  ldp-hello-sent
</ldp-hello-sent>
<ldp-hello-received>
  ldp-hello-received
</ldp-hello-received>
</ldp-interface>

```

## Description

### <ldp-interface>

#### Usage

```

<ldp-interface-information>
  <ldp-interface>
    <interface-name>
      interface-name
    </interface-name>
    <ldp-label-space-id>
      ldp-label-space-id
    </ldp-label-space-id>
    <ldp-neighbor-count>
      ldp-neighbor-count
    </ldp-neighbor-count>
    <ldp-next-hello>
      ldp-next-hello
    </ldp-next-hello>
    <ldp-hello-interval>
      ldp-hello-interval
    </ldp-hello-interval>
    <ldp-local-hello-interval>
      ldp-local-hello-interval
    </ldp-local-hello-interval>
    <ldp-holdtime>
      ldp-holdtime
    </ldp-holdtime>
    <ldp-transport-address>
      ldp-transport-address
    </ldp-transport-address>
    <ldp-interface-index>
      ldp-interface-index
    </ldp-interface-index>
    <ldp-block-time>
      ldp-block-time
    </ldp-block-time>
    <ldp-hello-sent>
      ldp-hello-sent
    </ldp-hello-sent>
    <ldp-hello-received>
      ldp-hello-received
    </ldp-hello-received>
  </ldp-interface>
</ldp-interface-information>

```

```
</ldp-interface>
</ldp-interface-information>
```

**Description****<ldp-interface-address>****Usage**

```
<ldp-overview>
  <ldp-interface-address>
    <interface-address>
      interface-address
    </interface-address>
  </ldp-interface-address>
</ldp-overview>
```

**Description** LDP interface addresses advertised

**<ldp-interface-address>****Usage**

```
<ldp-overview-information>
  <ldp-overview>
    <ldp-interface-address>
      <interface-address>
        interface-address
      </interface-address>
    </ldp-interface-address>
  </ldp-overview>
</ldp-overview-information>
```

**Description** LDP interface addresses advertised

**<ldp-interface-information>****Usage**

```
<ldp-interface-information>
  <ldp-interface>....</ldp-interface>
</ldp-interface-information>
```

**Description****<ldp-l2circuit-vccv-cc-type>****Usage**

```
<ldp-database>
  <ldp-binding>
    <ldp-l2circuit-vccv-cc-type>
      <mpls-type-control-word>
        mpls-type-control-word
      </mpls-type-control-word>
```

```

    <mpls-type-router-alert>
      mpls-type-router-alert
    </mpls-type-router-alert>
    <mpls-type-pw-label>
      mpls-type-pw-label
    </mpls-type-pw-label>
  </ldp-l2circuit-vccv-cc-type>
</ldp-binding>
</ldp-database>

```

**Description** VCCV connectivity channel types supported by peer

### <ldp-l2circuit-vccv-cc-type>

#### Usage

```

<ldp-database-information>
  <ldp-database>
    <ldp-binding>
      <ldp-l2circuit-vccv-cc-type>
        <mpls-type-control-word>
          mpls-type-control-word
        </mpls-type-control-word>
        <mpls-type-router-alert>
          mpls-type-router-alert
        </mpls-type-router-alert>
        <mpls-type-pw-label>
          mpls-type-pw-label
        </mpls-type-pw-label>
      </ldp-l2circuit-vccv-cc-type>
    </ldp-binding>
  </ldp-database>
</ldp-database-information>

```

**Description** VCCV connectivity channel types supported by peer

### <ldp-l2circuit-vccv-cv-type>

#### Usage

```

<ldp-database>
  <ldp-binding>
    <ldp-l2circuit-vccv-cv-type>
      <mpls-type-icmp-ping>
        mpls-type-icmp-ping
      </mpls-type-icmp-ping>
      <mpls-type-lsp-ping>
        mpls-type-lsp-ping
      </mpls-type-lsp-ping>
      <mpls-type-bfd-pw-ach-fd>
        mpls-type-bfd-pw-ach-fd
      </mpls-type-bfd-pw-ach-fd>
      <mpls-type-bfd-pw-ach-fd-fss>
        mpls-type-bfd-pw-ach-fd-fss
    </ldp-l2circuit-vccv-cv-type>
  </ldp-binding>
</ldp-database>

```

```
</mpls-type-bfd-pw-ach-fd-fss>
<mpls-type-bfd-ip-udp-fd>
  mpls-type-bfd-ip-udp-fd
</mpls-type-bfd-ip-udp-fd>
<mpls-type-bfd-ip-udp-fd-fss>
  mpls-type-bfd-ip-udp-fd-fss
</mpls-type-bfd-ip-udp-fd-fss>
</ldp-l2circuit-vccv-cv-type>
</ldp-binding>
</ldp-database>
```

**Description** VCCV connectivity verification types supported by peer

### <ldp-l2circuit-vccv-cv-type>

#### Usage

```
<ldp-database-information>
<ldp-database>
<ldp-binding>
  <ldp-l2circuit-vccv-cv-type>
    <mpls-type-icmp-ping>
      mpls-type-icmp-ping
    </mpls-type-icmp-ping>
    <mpls-type-lsp-ping>
      mpls-type-lsp-ping
    </mpls-type-lsp-ping>
    <mpls-type-bfd-pw-ach-fd>
      mpls-type-bfd-pw-ach-fd
    </mpls-type-bfd-pw-ach-fd>
    <mpls-type-bfd-pw-ach-fd-fss>
      mpls-type-bfd-pw-ach-fd-fss
    </mpls-type-bfd-pw-ach-fd-fss>
    <mpls-type-bfd-ip-udp-fd>
      mpls-type-bfd-ip-udp-fd
    </mpls-type-bfd-ip-udp-fd>
    <mpls-type-bfd-ip-udp-fd-fss>
      mpls-type-bfd-ip-udp-fd-fss
    </mpls-type-bfd-ip-udp-fd-fss>
  </ldp-l2circuit-vccv-cv-type>
</ldp-binding>
</ldp-database>
</ldp-database-information>
```

**Description** VCCV connectivity verification types supported by peer

### <ldp-message-statistics>

#### Usage

```
<ldp-statistics>
  <ldp-message-statistics>
    <ldp-message-type>
      ldp-message-type
```

```

</ldp-message-type>
<ldp-messages-sent>
  ldp-messages-sent
</ldp-messages-sent>
<ldp-messages-received>
  ldp-messages-received
</ldp-messages-received>
<ldp-messages-sent-5seconds>
  ldp-messages-sent-5seconds
</ldp-messages-sent-5seconds>
<ldp-messages-received-5seconds>
  ldp-messages-received-5seconds
</ldp-messages-received-5seconds>
</ldp-message-statistics>
</ldp-statistics>

```

#### Description

### <ldp-message-statistics>

#### Usage

```

<ldp-statistics-information>
  <ldp-statistics>
    <ldp-message-statistics>
      <ldp-message-type>
        ldp-message-type
      </ldp-message-type>
      <ldp-messages-sent>
        ldp-messages-sent
      </ldp-messages-sent>
      <ldp-messages-received>
        ldp-messages-received
      </ldp-messages-received>
      <ldp-messages-sent-5seconds>
        ldp-messages-sent-5seconds
      </ldp-messages-sent-5seconds>
      <ldp-messages-received-5seconds>
        ldp-messages-received-5seconds
      </ldp-messages-received-5seconds>
    </ldp-message-statistics>
  </ldp-statistics>
</ldp-statistics-information>

```

#### Description

### <ldp-neighbor>

#### Usage

```

<ldp-neighbor>
  <ldp-neighbor-address>
    ldp-neighbor-address
  </ldp-neighbor-address>
  <interface-name>
    interface-name

```

```
</interface-name>
<ldp-label-space-id>
  ldp-label-space-id
</ldp-label-space-id>
<ldp-remaining-time>
  ldp-remaining-time
</ldp-remaining-time>
<ldp-transport-address>
  ldp-transport-address
</ldp-transport-address>
<ldp-config-sequence>
  ldp-config-sequence
</ldp-config-sequence>
<ldp-up-time>
  ldp-up-time
</ldp-up-time>
<ldp-reference-count>
  ldp-reference-count
</ldp-reference-count>
<ldp-auto-discovered-reference-count>
  ldp-auto-discovered-reference-count
</ldp-auto-discovered-reference-count>
<ldp-holdtime>
  ldp-holdtime
</ldp-holdtime>
<ldp-proposed-local-holdtime>
  ldp-proposed-local-holdtime
</ldp-proposed-local-holdtime>
<ldp-proposed-peer-holdtime>
  ldp-proposed-peer-holdtime
</ldp-proposed-peer-holdtime>
<ldp-hello-interval>
  ldp-hello-interval
</ldp-hello-interval>
<ldp-neighbor-hello-flags>.....</ldp-neighbor-hello-flags>
<ldp-neighbor-types>.....</ldp-neighbor-types>
</ldp-neighbor>
```

#### Description

### <ldp-neighbor>

#### Usage

```
<ldp-neighbor-information>
<ldp-neighbor>
  <ldp-neighbor-address>
    ldp-neighbor-address
  </ldp-neighbor-address>
  <interface-name>
    interface-name
  </interface-name>
  <ldp-label-space-id>
    ldp-label-space-id
  </ldp-label-space-id>
  <ldp-remaining-time>
```



```

    ldp-remaining-time
  </ldp-remaining-time>
  <ldp-transport-address>
    ldp-transport-address
  </ldp-transport-address>
  <ldp-config-sequence>
    ldp-config-sequence
  </ldp-config-sequence>
  <ldp-up-time>
    ldp-up-time
  </ldp-up-time>
  <ldp-reference-count>
    ldp-reference-count
  </ldp-reference-count>
  <ldp-auto-discovered-reference-count>
    ldp-auto-discovered-reference-count
  </ldp-auto-discovered-reference-count>
  <ldp-holdtime>
    ldp-holdtime
  </ldp-holdtime>
  <ldp-proposed-local-holdtime>
    ldp-proposed-local-holdtime
  </ldp-proposed-local-holdtime>
  <ldp-proposed-peer-holdtime>
    ldp-proposed-peer-holdtime
  </ldp-proposed-peer-holdtime>
  <ldp-hello-interval>
    ldp-hello-interval
  </ldp-hello-interval>
  <ldp-neighbor-hello-flags>....</ldp-neighbor-hello-flags>
  <ldp-neighbor-types>....</ldp-neighbor-types>
</ldp-neighbor>
</ldp-neighbor-information>

```

#### Description

### <ldp-neighbor-hello-flags>

#### Usage

```

<ldp-neighbor-hello-flags>
  <ldp-neighbor-hello-flag>
    ldp-neighbor-hello-flag
  </ldp-neighbor-hello-flag>
</ldp-neighbor-hello-flags>

```

**Description** LDP neighbor hello flags

### <ldp-neighbor-hello-flags>

#### Usage

```

<ldp-neighbor>
  <ldp-neighbor-hello-flags>
    <ldp-neighbor-hello-flag>

```

```
    ldp-neighbor-hello-flag
  </ldp-neighbor-hello-flag>
</ldp-neighbor-hello-flags>
</ldp-neighbor>
```

**Description** LDP neighbor hello flags

### <ldp-neighbor-hello-flags>

#### Usage

```
<ldp-neighbor-information>
  <ldp-neighbor>
    <ldp-neighbor-hello-flags>
      <ldp-neighbor-hello-flag>
        ldp-neighbor-hello-flag
      </ldp-neighbor-hello-flag>
    </ldp-neighbor-hello-flags>
  </ldp-neighbor>
</ldp-neighbor-information>
```

**Description** LDP neighbor hello flags

### <ldp-neighbor-information>

#### Usage

```
<ldp-neighbor-information>
  <ldp-neighbor>.....</ldp-neighbor>
</ldp-neighbor-information>
```

**Description**

### <ldp-neighbor-replication>

#### Usage

```
<ldp-neighbor-replication>
  <ldp-instance-id>
    ldp-instance-id
  </ldp-instance-id>
  <ldp-neighbor-address>
    ldp-neighbor-address
  </ldp-neighbor-address>
  <interface-name>
    interface-name
  </interface-name>
  <ldp-neighbor-replication-state>
    ldp-neighbor-replication-state
  </ldp-neighbor-replication-state>
  <ldp-interface-index>
    ldp-interface-index
  </ldp-interface-index>
  <ldp-neighbor-replication-age>
```

```

    ldp-neighbor-replication-age
  </ldp-neighbor-replication-age>
  <ldp-reference-count>
    ldp-reference-count
  </ldp-reference-count>
</ldp-neighbor-replication>

```

**Description** Neighbor replication entry

## <ldp-neighbor-replication>

### Usage

```

<ldp-neighbor-replication-information>
  <ldp-neighbor-replication>
    <ldp-instance-id>
      ldp-instance-id
    </ldp-instance-id>
    <ldp-neighbor-address>
      ldp-neighbor-address
    </ldp-neighbor-address>
    <interface-name>
      interface-name
    </interface-name>
    <ldp-neighbor-replication-state>
      ldp-neighbor-replication-state
    </ldp-neighbor-replication-state>
    <ldp-interface-index>
      ldp-interface-index
    </ldp-interface-index>
    <ldp-neighbor-replication-age>
      ldp-neighbor-replication-age
    </ldp-neighbor-replication-age>
    <ldp-reference-count>
      ldp-reference-count
    </ldp-reference-count>
  </ldp-neighbor-replication>
</ldp-neighbor-replication-information>

```

**Description** Neighbor replication entry

## <ldp-neighbor-replication-information>

### Usage

```

<ldp-neighbor-replication-information>
  <ldp-neighbor-replication>....</ldp-neighbor-replication>
</ldp-neighbor-replication-information>

```

**Description**

### <ldp-neighbor-types>

#### Usage

```
<ldp-neighbor-types>
  <ldp-neighbor-type>
    ldp-neighbor-type
  </ldp-neighbor-type>
</ldp-neighbor-types>
```

**Description** LDP neighbor types

### <ldp-neighbor-types>

#### Usage

```
<ldp-neighbor>
  <ldp-neighbor-types>
    <ldp-neighbor-type>
      ldp-neighbor-type
    </ldp-neighbor-type>
  </ldp-neighbor-types>
</ldp-neighbor>
```

**Description** LDP neighbor types

### <ldp-neighbor-types>

#### Usage

```
<ldp-neighbor-information>
  <ldp-neighbor>
    <ldp-neighbor-types>
      <ldp-neighbor-type>
        ldp-neighbor-type
      </ldp-neighbor-type>
    </ldp-neighbor-types>
  </ldp-neighbor>
</ldp-neighbor-information>
```

**Description** LDP neighbor types

### <ldp-neighbor-types>

#### Usage

```
<ldp-session>
  <ldp-neighbor-types>
    <ldp-neighbor-type>
      ldp-neighbor-type
    </ldp-neighbor-type>
  </ldp-neighbor-types>
</ldp-session>
```

**Description** LDP neighbor types

### <ldp-neighbor-types>

**Usage**

```
<ldp-session-information>
  <ldp-session>
    <ldp-neighbor-types>
      <ldp-neighbor-type>
        ldp-neighbor-type
      </ldp-neighbor-type>
    </ldp-neighbor-types>
  </ldp-session>
</ldp-session-information>
```

**Description** LDP neighbor types

### <ldp-nexthop>

**Usage**

```
<ldp-route>
  <ldp-nexthop>
    <interface-name>
      interface-name
    </interface-name>
    <lsp-name>
      lsp-name
    </lsp-name>
    <lsp-no-ldp-tunneling>
      lsp-no-ldp-tunneling
    </lsp-no-ldp-tunneling>
    <interface-address>
      interface-address
    </interface-address>
    <ldp-session-id>
      ldp-session-id
    </ldp-session-id>
  </ldp-nexthop>
</ldp-route>
```

**Description**

### <ldp-nexthop>

**Usage**

```
<ldp-route-information>
  <ldp-route>
    <ldp-nexthop>
      <interface-name>
        interface-name
      </interface-name>
      <lsp-name>
        lsp-name
```

```
</lsp-name>
<lsp-no-ldp-tunneling>
  lsp-no-ldp-tunneling
</lsp-no-ldp-tunneling>
<interface-address>
  interface-address
</interface-address>
<ldp-session-id>
  ldp-session-id
</ldp-session-id>
</ldp-nexthop>
</ldp-route>
</ldp-route-information>
```

#### Description

### <ldp-oam-bfd-session>

#### Usage

```
<ldp-oam-bfd-session>
  <ldp-oam-destination-address>
    ldp-oam-destination-address
  </ldp-oam-destination-address>
  <ldp-oam-bfd-session-state>
    ldp-oam-bfd-session-state
  </ldp-oam-bfd-session-state>
  <ldp-oam-lsp-ping-state>
    ldp-oam-lsp-ping-state
  </ldp-oam-lsp-ping-state>
  <ldp-oam-nexthop-address>
    ldp-oam-nexthop-address
  </ldp-oam-nexthop-address>
  <ldp-oam-interface-name>
    ldp-oam-interface-name
  </ldp-oam-interface-name>
  <ldp-oam-nexthop-lsp>
    ldp-oam-nexthop-lsp
  </ldp-oam-nexthop-lsp>
</ldp-oam-bfd-session>
```

**Description** LDP OAM state information

### <ldp-oam-bfd-session>

#### Usage

```
<ldp-route>
  <ldp-oam-bfd-session>
    <ldp-oam-destination-address>
      ldp-oam-destination-address
    </ldp-oam-destination-address>
    <ldp-oam-bfd-session-state>
      ldp-oam-bfd-session-state
    </ldp-oam-bfd-session-state>
```

```

<ldp-oam-lsp-ping-state>
  ldp-oam-lsp-ping-state
</ldp-oam-lsp-ping-state>
<ldp-oam-nexthop-address>
  ldp-oam-nexthop-address
</ldp-oam-nexthop-address>
<ldp-oam-interface-name>
  ldp-oam-interface-name
</ldp-oam-interface-name>
<ldp-oam-nexthop-lsp>
  ldp-oam-nexthop-lsp
</ldp-oam-nexthop-lsp>
</ldp-oam-bfd-session>
</ldp-route>

```

**Description** LDP OAM state information

### <ldp-oam-bfd-session>

#### Usage

```

<ldp-route-information>
<ldp-route>
  <ldp-oam-bfd-session>
    <ldp-oam-destination-address>
      ldp-oam-destination-address
    </ldp-oam-destination-address>
    <ldp-oam-bfd-session-state>
      ldp-oam-bfd-session-state
    </ldp-oam-bfd-session-state>
    <ldp-oam-lsp-ping-state>
      ldp-oam-lsp-ping-state
    </ldp-oam-lsp-ping-state>
    <ldp-oam-nexthop-address>
      ldp-oam-nexthop-address
    </ldp-oam-nexthop-address>
    <ldp-oam-interface-name>
      ldp-oam-interface-name
    </ldp-oam-interface-name>
    <ldp-oam-nexthop-lsp>
      ldp-oam-nexthop-lsp
    </ldp-oam-nexthop-lsp>
  </ldp-oam-bfd-session>
</ldp-route>
</ldp-route-information>

```

**Description** LDP OAM state information

### <ldp-oam-information>

#### Usage

```

<ldp-oam-information>
  <ldp-oam-status>....</ldp-oam-status>

```

```
</ldp-oam-information>
```

#### Description

```
<ldp-oam-path>
```

#### Usage

```
<ldp-oam-status>
  <ldp-oam-path>
    <ldp-oam-destination-address>
      ldp-oam-destination-address
    </ldp-oam-destination-address>
    <ldp-oam-nexthop-address>
      ldp-oam-nexthop-address
    </ldp-oam-nexthop-address>
    <ldp-oam-interface-name>
      ldp-oam-interface-name
    </ldp-oam-interface-name>
    <ldp-oam-nexthop-lsp>
      ldp-oam-nexthop-lsp
    </ldp-oam-nexthop-lsp>
    <ldp-oam-bfd-session-state>
      ldp-oam-bfd-session-state
    </ldp-oam-bfd-session-state>
    <ldp-oam-lsp-ping-state>
      ldp-oam-lsp-ping-state
    </ldp-oam-lsp-ping-state>
    <ldp-oam-path-address>
      ldp-oam-path-address
    </ldp-oam-path-address>
  </ldp-oam-path>
</ldp-oam-status>
```

#### Description

```
<ldp-oam-path>
```

#### Usage

```
<ldp-oam-information>
  <ldp-oam-status>
    <ldp-oam-path>
      <ldp-oam-destination-address>
        ldp-oam-destination-address
      </ldp-oam-destination-address>
      <ldp-oam-nexthop-address>
        ldp-oam-nexthop-address
      </ldp-oam-nexthop-address>
      <ldp-oam-interface-name>
        ldp-oam-interface-name
      </ldp-oam-interface-name>
      <ldp-oam-nexthop-lsp>
        ldp-oam-nexthop-lsp
      </ldp-oam-nexthop-lsp>
      <ldp-oam-bfd-session-state>
```



```

        ldp-oam-bfd-session-state
      </ldp-oam-bfd-session-state>
      <ldp-oam-lsp-ping-state>
        ldp-oam-lsp-ping-state
      </ldp-oam-lsp-ping-state>
      <ldp-oam-path-address>
        ldp-oam-path-address
      </ldp-oam-path-address>
    </ldp-oam-path>
  </ldp-oam-status>
</ldp-oam-information>

```

#### Description

#### <ldp-oam-status>

##### Usage

```

<ldp-oam-status>
  <ldp-oam-prefix>
    ldp-oam-prefix
  </ldp-oam-prefix>
  <ldp-oam-time>
    ldp-oam-time
  </ldp-oam-time>
  <ldp-oam-path>....</ldp-oam-path>
</ldp-oam-status>

```

#### Description

#### <ldp-oam-status>

##### Usage

```

<ldp-oam-information>
  <ldp-oam-status>
    <ldp-oam-prefix>
      ldp-oam-prefix
    </ldp-oam-prefix>
    <ldp-oam-time>
      ldp-oam-time
    </ldp-oam-time>
    <ldp-oam-path>....</ldp-oam-path>
  </ldp-oam-status>
</ldp-oam-information>

```

#### Description

#### <ldp-overview>

##### Usage

```

<ldp-overview>
  <ldp-instance-name>
    ldp-instance-name
  </ldp-instance-name>

```

```
<ldp-router-id>
  ldp-router-id
</ldp-router-id>
<ldp-message-id>
  ldp-message-id
</ldp-message-id>
<ldp-configuration-sequence>
  ldp-configuration-sequence
</ldp-configuration-sequence>
<ldp-deaggregate>
  ldp-deaggregate
</ldp-deaggregate>
<ldp-explicit-null>
  ldp-explicit-null
</ldp-explicit-null>
<ldp-ipv6-tunneling>
  ldp-ipv6-tunneling
</ldp-ipv6-tunneling>
<ldp-strict-targeted-hellos>
  ldp-strict-targeted-hellos
</ldp-strict-targeted-hellos>
<ldp-upstream-label-assignment>
  ldp-upstream-label-assignment
</ldp-upstream-label-assignment>
<ldp-loopback-if-added>
  ldp-loopback-if-added
</ldp-loopback-if-added>
<ldp-route-preference>
  ldp-route-preference
</ldp-route-preference>
<ldp-p2mp-max-branches>
  ldp-p2mp-max-branches
</ldp-p2mp-max-branches>
<ldp-instance-capability>....</ldp-instance-capability>
<ldp-protocol-modes>....</ldp-protocol-modes>
<ldp-session-count>....</ldp-session-count>
<ldp-timer-overview>....</ldp-timer-overview>
<ldp-gr-overview>....</ldp-gr-overview>
<ldp-te-overview>....</ldp-te-overview>
<ldp-igp-overview>....</ldp-igp-overview>
<ldp-session-protect-overview>....</ldp-session-protect-overview>
<ldp-interface-address>....</ldp-interface-address>
</ldp-overview>
```

## Description

### <ldp-overview>

#### Usage

```
<ldp-overview-information>
<ldp-overview>
  <ldp-instance-name>
    ldp-instance-name
  </ldp-instance-name>
  <ldp-router-id>
```

```

    ldp-router-id
  </ldp-router-id>
  <ldp-message-id>
    ldp-message-id
  </ldp-message-id>
  <ldp-configuration-sequence>
    ldp-configuration-sequence
  </ldp-configuration-sequence>
  <ldp-deaggregate>
    ldp-deaggregate
  </ldp-deaggregate>
  <ldp-explicit-null>
    ldp-explicit-null
  </ldp-explicit-null>
  <ldp-ipv6-tunneling>
    ldp-ipv6-tunneling
  </ldp-ipv6-tunneling>
  <ldp-strict-targeted-hellos>
    ldp-strict-targeted-hellos
  </ldp-strict-targeted-hellos>
  <ldp-upstream-label-assignment>
    ldp-upstream-label-assignment
  </ldp-upstream-label-assignment>
  <ldp-loopback-if-added>
    ldp-loopback-if-added
  </ldp-loopback-if-added>
  <ldp-route-preference>
    ldp-route-preference
  </ldp-route-preference>
  <ldp-p2mp-max-branches>
    ldp-p2mp-max-branches
  </ldp-p2mp-max-branches>
  <ldp-instance-capability>....</ldp-instance-capability>
  <ldp-protocol-modes>....</ldp-protocol-modes>
  <ldp-session-count>....</ldp-session-count>
  <ldp-timer-overview>....</ldp-timer-overview>
  <ldp-gr-overview>....</ldp-gr-overview>
  <ldp-te-overview>....</ldp-te-overview>
  <ldp-igp-overview>....</ldp-igp-overview>
  <ldp-session-protect-overview>....</ldp-session-protect-overview>
  <ldp-interface-address>....</ldp-interface-address>
</ldp-overview>
</ldp-overview-information>

```

**Description****<ldp-overview-information>****Usage**

```

<ldp-overview-information>
  <ldp-overview>....</ldp-overview>
</ldp-overview-information>

```

**Description** LDP overview information

## <ldp-p2mp-inlib-label>

### Usage

```
<ldp-p2mp-path>
  <ldp-p2mp-inlib-label>
    <ldp-label-session>
      ldp-label-session
    </ldp-label-session>
    <ldp-label>
      ldp-label
    </ldp-label>
  </ldp-p2mp-inlib-label>
</ldp-p2mp-path>
```

### Description

## <ldp-p2mp-inlib-label>

### Usage

```
<ldp-p2mp-path-information>
  <ldp-p2mp-path>
    <ldp-p2mp-inlib-label>
      <ldp-label-session>
        ldp-label-session
      </ldp-label-session>
      <ldp-label>
        ldp-label
      </ldp-label>
    </ldp-p2mp-inlib-label>
  </ldp-p2mp-path>
</ldp-p2mp-path-information>
```

### Description

## <ldp-p2mp-path>

### Usage

```
<ldp-p2mp-path>
  <ldp-p2mp-path-type>
    ldp-p2mp-path-type
  </ldp-p2mp-path-type>
  <ldp-p2mp-outlib-session>
    ldp-p2mp-outlib-session
  </ldp-p2mp-outlib-session>
  <ldp-p2mp-outlib-label>
    ldp-p2mp-outlib-label
  </ldp-p2mp-outlib-label>
  <ldp-p2mp-egress-label>
    ldp-p2mp-egress-label
  </ldp-p2mp-egress-label>
  <ldp-p2mp-inlib-label>.....</ldp-p2mp-inlib-label>
  <ldp-egress-nh>.....</ldp-egress-nh>
  <ldp-p2mp-path-fec>.....</ldp-p2mp-path-fec>
```

```

<ldp-p2mp-path-transit-route>
  ldp-p2mp-path-transit-route
</ldp-p2mp-path-transit-route>
<ldp-p2mp-path-address>
  ldp-p2mp-path-address
</ldp-p2mp-path-address>
<ldp-reference-count>
  ldp-reference-count
</ldp-reference-count>
</ldp-p2mp-path>

```

#### Description

### <ldp-p2mp-path>

#### Usage

```

<ldp-p2mp-path-information>
  <ldp-p2mp-path>
    <ldp-p2mp-path-type>
      ldp-p2mp-path-type
    </ldp-p2mp-path-type>
    <ldp-p2mp-outlib-session>
      ldp-p2mp-outlib-session
    </ldp-p2mp-outlib-session>
    <ldp-p2mp-outlib-label>
      ldp-p2mp-outlib-label
    </ldp-p2mp-outlib-label>
    <ldp-p2mp-egress-label>
      ldp-p2mp-egress-label
    </ldp-p2mp-egress-label>
    <ldp-p2mp-inlib-label>.....</ldp-p2mp-inlib-label>
    <ldp-egress-nh>.....</ldp-egress-nh>
    <ldp-p2mp-path-fec>.....</ldp-p2mp-path-fec>
    <ldp-p2mp-path-transit-route>
      ldp-p2mp-path-transit-route
    </ldp-p2mp-path-transit-route>
    <ldp-p2mp-path-address>
      ldp-p2mp-path-address
    </ldp-p2mp-path-address>
    <ldp-reference-count>
      ldp-reference-count
    </ldp-reference-count>
  </ldp-p2mp-path>
</ldp-p2mp-path-information>

```

#### Description

### <ldp-p2mp-path-fec>

#### Usage

```

<ldp-p2mp-path>
  <ldp-p2mp-path-fec>
    <ldp-prefix>
      ldp-prefix

```

```
</ldp-prefix>
<ldp-prefix-active>
  ldp-prefix-active
</ldp-prefix-active>
</ldp-p2mp-path-fec>
</ldp-p2mp-path>
```

#### Description

### <ldp-p2mp-path-fec>

#### Usage

```
<ldp-p2mp-path-information>
<ldp-p2mp-path>
  <ldp-p2mp-path-fec>
    <ldp-prefix>
      ldp-prefix
    </ldp-prefix>
    <ldp-prefix-active>
      ldp-prefix-active
    </ldp-prefix-active>
  </ldp-p2mp-path-fec>
</ldp-p2mp-path>
</ldp-p2mp-path-information>
```

#### Description

### <ldp-p2mp-path-information>

#### Usage

```
<ldp-p2mp-path-information>
<ldp-p2mp-path>....</ldp-p2mp-path>
</ldp-p2mp-path-information>
```

#### Description

### <ldp-p2mp-traffic-statistics>

#### Usage

```
<ldp-p2mp-traffic-statistics>
<ldp-prefix>
  ldp-prefix
</ldp-prefix>
<ldp-traffic-branch-nexthop-addr>
  ldp-traffic-branch-nexthop-addr
</ldp-traffic-branch-nexthop-addr>
<ldp-traffic-branch-nexthop-interface>
  ldp-traffic-branch-nexthop-interface
</ldp-traffic-branch-nexthop-interface>
<ldp-traffic-error>
  ldp-traffic-error
</ldp-traffic-error>
<ldp-traffic-statistics-packet-count>
```

```

    ldp-traffic-statistics-packet-count
  </ldp-traffic-statistics-packet-count>
  <ldp-traffic-statistics-byte-count>
    ldp-traffic-statistics-byte-count
  </ldp-traffic-statistics-byte-count>
  <ldp-traffic-multiple-fec>
    ldp-traffic-multiple-fec
  </ldp-traffic-multiple-fec>
</ldp-p2mp-traffic-statistics>

```

## Description

### <ldp-p2mp-traffic-statistics>

#### Usage

```

<ldp-traffic-statistics-information>
  <ldp-p2mp-traffic-statistics>
    <ldp-prefix>
      ldp-prefix
    </ldp-prefix>
    <ldp-traffic-branch-nexthop-addr>
      ldp-traffic-branch-nexthop-addr
    </ldp-traffic-branch-nexthop-addr>
    <ldp-traffic-branch-nexthop-interface>
      ldp-traffic-branch-nexthop-interface
    </ldp-traffic-branch-nexthop-interface>
    <ldp-traffic-error>
      ldp-traffic-error
    </ldp-traffic-error>
    <ldp-traffic-statistics-packet-count>
      ldp-traffic-statistics-packet-count
    </ldp-traffic-statistics-packet-count>
    <ldp-traffic-statistics-byte-count>
      ldp-traffic-statistics-byte-count
    </ldp-traffic-statistics-byte-count>
    <ldp-traffic-multiple-fec>
      ldp-traffic-multiple-fec
    </ldp-traffic-multiple-fec>
  </ldp-p2mp-traffic-statistics>
</ldp-traffic-statistics-information>

```

## Description

### <ldp-path>

#### Usage

```

<ldp-path>
  <ldp-outlib-session>
    ldp-outlib-session
  </ldp-outlib-session>
  <ldp-outlib-label>
    ldp-outlib-label
  </ldp-outlib-label>
  <ldp-ingress-label>

```

```
    ldp-ingress-label
  </ldp-ingress-label>
  <ldp-inlib-session>
    ldp-inlib-session
  </ldp-inlib-session>
  <ldp-inlib-label>
    ldp-inlib-label
  </ldp-inlib-label>
  <ldp-egress-label>
    ldp-egress-label
  </ldp-egress-label>
  <ldp-path-route>....</ldp-path-route>
  <ldp-reference-count>
    ldp-reference-count
  </ldp-reference-count>
  <ldp-route-transit>
    ldp-route-transit
  </ldp-route-transit>
  <ldp-global-label>
    ldp-global-label
  </ldp-global-label>
  <ldp-merged-next-hop>
    ldp-merged-next-hop
  </ldp-merged-next-hop>
</ldp-path>
```

#### Description

### <ldp-path>

#### Usage

```
<ldp-path-information>
  <ldp-path>
    <ldp-outlib-session>
      ldp-outlib-session
    </ldp-outlib-session>
    <ldp-outlib-label>
      ldp-outlib-label
    </ldp-outlib-label>
    <ldp-ingress-label>
      ldp-ingress-label
    </ldp-ingress-label>
    <ldp-inlib-session>
      ldp-inlib-session
    </ldp-inlib-session>
    <ldp-inlib-label>
      ldp-inlib-label
    </ldp-inlib-label>
    <ldp-egress-label>
      ldp-egress-label
    </ldp-egress-label>
    <ldp-path-route>....</ldp-path-route>
    <ldp-reference-count>
      ldp-reference-count
    </ldp-reference-count>
```



```

<ldp-route-transit>
  ldp-route-transit
</ldp-route-transit>
<ldp-global-label>
  ldp-global-label
</ldp-global-label>
<ldp-merged-next-hop>
  ldp-merged-next-hop
</ldp-merged-next-hop>
</ldp-path>
</ldp-path-information>

```

**Description****<ldp-path-information>****Usage**

```

<ldp-path-information>
  <ldp-path>.....</ldp-path>
</ldp-path-information>

```

**Description****<ldp-path-replication>****Usage**

```

<ldp-path-replication>
  <ldp-instance-id>
    ldp-instance-id
  </ldp-instance-id>
  <ldp-label>
    ldp-label
  </ldp-label>
  <ldp-path-replication-ingress-selfid>
    ldp-path-replication-ingress-selfid
  </ldp-path-replication-ingress-selfid>
  <ldp-path-replication-transit-selfid>
    ldp-path-replication-transit-selfid
  </ldp-path-replication-transit-selfid>
  <ldp-path-replication-state>
    ldp-path-replication-state
  </ldp-path-replication-state>
  <ldp-reference-count>
    ldp-reference-count
  </ldp-reference-count>
</ldp-path-replication>

```

**Description** Path replication entry

## <ldp-path-replication>

### Usage

```
<ldp-path-replication-information>
  <ldp-path-replication>
    <ldp-instance-id>
      ldp-instance-id
    </ldp-instance-id>
    <ldp-label>
      ldp-label
    </ldp-label>
    <ldp-path-replication-ingress-selfid>
      ldp-path-replication-ingress-selfid
    </ldp-path-replication-ingress-selfid>
    <ldp-path-replication-transit-selfid>
      ldp-path-replication-transit-selfid
    </ldp-path-replication-transit-selfid>
    <ldp-path-replication-state>
      ldp-path-replication-state
    </ldp-path-replication-state>
    <ldp-reference-count>
      ldp-reference-count
    </ldp-reference-count>
  </ldp-path-replication>
</ldp-path-replication-information>
```

**Description** Path replication entry

## <ldp-path-replication-information>

### Usage

```
<ldp-path-replication-information>
  <ldp-path-replication>....</ldp-path-replication>
</ldp-path-replication-information>
```

**Description**

## <ldp-path-route>

### Usage

```
<ldp-path>
  <ldp-path-route>
    <ldp-prefix>
      ldp-prefix
    </ldp-prefix>
    <ldp-route-ingress>
      ldp-route-ingress
    </ldp-route-ingress>
  </ldp-path-route>
</ldp-path>
```

**Description****<ldp-path-route>****Usage**

```

<ldp-path-information>
  <ldp-path>
    <ldp-path-route>
      <ldp-prefix>
        ldp-prefix
      </ldp-prefix>
      <ldp-route-ingress>
        ldp-route-ingress
      </ldp-route-ingress>
    </ldp-path-route>
  </ldp-path>
</ldp-path-information>

```

**Description****<ldp-protocol-modes>****Usage**

```

<ldp-overview>
  <ldp-protocol-modes>
    <ldp-distribution-mode>
      ldp-distribution-mode
    </ldp-distribution-mode>
    <ldp-retention-mode>
      ldp-retention-mode
    </ldp-retention-mode>
    <ldp-control-mode>
      ldp-control-mode
    </ldp-control-mode>
  </ldp-protocol-modes>
</ldp-overview>

```

**Description** LDP protocol modes

**<ldp-protocol-modes>****Usage**

```

<ldp-overview-information>
  <ldp-overview>
    <ldp-protocol-modes>
      <ldp-distribution-mode>
        ldp-distribution-mode
      </ldp-distribution-mode>
      <ldp-retention-mode>
        ldp-retention-mode
      </ldp-retention-mode>
      <ldp-control-mode>
        ldp-control-mode

```

```
</ldp-control-mode>
</ldp-protocol-modes>
</ldp-overview>
</ldp-overview-information>
```

**Description** LDP protocol modes

## <ldp-route>

### Usage

```
<ldp-route>
  <ldp-prefix>
    ldp-prefix
  </ldp-prefix>
  <ldp-nexthop>....</ldp-nexthop>
  <ldp-label>
    ldp-label
  </ldp-label>
  <ldp-no-label>
    ldp-no-label
  </ldp-no-label>
  <ldp-topology-entry>
    ldp-topology-entry
  </ldp-topology-entry>
  <ldp-ingress-route-status>
    ldp-ingress-route-status
  </ldp-ingress-route-status>
  <ldp-ingress-route-last-modified-time>
    ldp-ingress-route-last-modified-time
  </ldp-ingress-route-last-modified-time>
  <ldp-merged-next-hop>
    ldp-merged-next-hop
  </ldp-merged-next-hop>
  <ldp-oam-bfd-session>....</ldp-oam-bfd-session>
</ldp-route>
```

### Description

## <ldp-route>

### Usage

```
<ldp-route-information>
  <ldp-route>
    <ldp-prefix>
      ldp-prefix
    </ldp-prefix>
    <ldp-nexthop>....</ldp-nexthop>
    <ldp-label>
      ldp-label
    </ldp-label>
    <ldp-no-label>
      ldp-no-label
    </ldp-no-label>
```

```

<ldp-topology-entry>
  ldp-topology-entry
</ldp-topology-entry>
<ldp-ingress-route-status>
  ldp-ingress-route-status
</ldp-ingress-route-status>
<ldp-ingress-route-last-modified-time>
  ldp-ingress-route-last-modified-time
</ldp-ingress-route-last-modified-time>
<ldp-merged-next-hop>
  ldp-merged-next-hop
</ldp-merged-next-hop>
<ldp-oam-bfd-session>....</ldp-oam-bfd-session>
</ldp-route>
</ldp-route-information>

```

#### Description

### <ldp-route-information>

#### Usage

```

<ldp-route-information>
  <ldp-route>....</ldp-route>
</ldp-route-information>

```

#### Description

### <ldp-session>

#### Usage

```

<ldp-session>
  <ldp-neighbor-address>
    ldp-neighbor-address
  </ldp-neighbor-address>
  <ldp-session-state>
    ldp-session-state
  </ldp-session-state>
  <ldp-connection-state>
    ldp-connection-state
  </ldp-connection-state>
  <ldp-remaining-time>
    ldp-remaining-time
  </ldp-remaining-time>
  <ldp-session-id>
    ldp-session-id
  </ldp-session-id>
  <ldp-retry-time>
    ldp-retry-time
  </ldp-retry-time>
  <ldp-keepalive-time>
    ldp-keepalive-time
  </ldp-keepalive-time>
  <ldp-session-role>
    ldp-session-role

```

```
</ldp-session-role>
<ldp-session-max-pdu>
  ldp-session-max-pdu
</ldp-session-max-pdu>
<ldp-holdtime>
  ldp-holdtime
</ldp-holdtime>
<ldp-neighbor-count>
  ldp-neighbor-count
</ldp-neighbor-count>
<ldp-neighbor-types>....</ldp-neighbor-types>
<ldp-keepalive-interval>
  ldp-keepalive-interval
</ldp-keepalive-interval>
<ldp-retry-interval>
  ldp-retry-interval
</ldp-retry-interval>
<ldp-local-address>
  ldp-local-address
</ldp-local-address>
<ldp-remote-address>
  ldp-remote-address
</ldp-remote-address>
<ldp-graceful-restart-state>
  ldp-graceful-restart-state
</ldp-graceful-restart-state>
<ldp-local-reconnect-time>
  ldp-local-reconnect-time
</ldp-local-reconnect-time>
<ldp-remote-reconnect-time>
  ldp-remote-reconnect-time
</ldp-remote-reconnect-time>
<ldp-restart-complete-time>
  ldp-restart-complete-time
</ldp-restart-complete-time>
<ldp-helper-mode-state>
  ldp-helper-mode-state
</ldp-helper-mode-state>
<ldp-helper-mode-time>
  ldp-helper-mode-time
</ldp-helper-mode-time>
<ldp-local-helper-mode>
  ldp-local-helper-mode
</ldp-local-helper-mode>
<ldp-remote-helper-mode>
  ldp-remote-helper-mode
</ldp-remote-helper-mode>
<ldp-graceful-restart-local>
  ldp-graceful-restart-local
</ldp-graceful-restart-local>
<ldp-graceful-restart-remote>
  ldp-graceful-restart-remote
</ldp-graceful-restart-remote>
<ldp-local-maximum-reconnect>
  ldp-local-maximum-reconnect
</ldp-local-maximum-reconnect>
```

```

<ldp-local-maximum-recovery>
  ldp-local-maximum-recovery
</ldp-local-maximum-recovery>
<ldp-up-time>
  ldp-up-time
</ldp-up-time>
<ldp-last-down-time>
  ldp-last-down-time
</ldp-last-down-time>
<ldp-down-reason>
  ldp-down-reason
</ldp-down-reason>
<ldp-session-flap-count>
  ldp-session-flap-count
</ldp-session-flap-count>
<ldp-session-capabilities-advertised>....</ldp-session-capabilities-advertised>
<ldp-session-capabilities-received>....</ldp-session-capabilities-received>
<ldp-session-protection>....</ldp-session-protection>
<ldp-session-nsr-state>
  ldp-session-nsr-state
</ldp-session-nsr-state>
<ldp-session-address>....</ldp-session-address>
<ldp-session-deleted>
  ldp-session-deleted
</ldp-session-deleted>
<ldp-session-close-pending>
  ldp-session-close-pending
</ldp-session-close-pending>
<ldp-session-queue-depth>
  ldp-session-queue-depth
</ldp-session-queue-depth>
<ldp-session-read-pending>
  ldp-session-read-pending
</ldp-session-read-pending>
<ldp-session-write-pending>
  ldp-session-write-pending
</ldp-session-write-pending>
<ldp-session-receive-buffer-bytes>
  ldp-session-receive-buffer-bytes
</ldp-session-receive-buffer-bytes>
<ldp-session-transmit-buffer-bytes>
  ldp-session-transmit-buffer-bytes
</ldp-session-transmit-buffer-bytes>
<ldp-session-no-connection>
  ldp-session-no-connection
</ldp-session-no-connection>
<ldp-session-authentication>
  ldp-session-authentication
</ldp-session-authentication>
<ldp-session-statistics>....</ldp-session-statistics>
</ldp-session>

```

## Description

## &lt;ldp-session&gt;

## Usage

```
<ldp-session-information>
  <ldp-session>
    <ldp-neighbor-address>
      ldp-neighbor-address
    </ldp-neighbor-address>
    <ldp-session-state>
      ldp-session-state
    </ldp-session-state>
    <ldp-connection-state>
      ldp-connection-state
    </ldp-connection-state>
    <ldp-remaining-time>
      ldp-remaining-time
    </ldp-remaining-time>
    <ldp-session-id>
      ldp-session-id
    </ldp-session-id>
    <ldp-retry-time>
      ldp-retry-time
    </ldp-retry-time>
    <ldp-keepalive-time>
      ldp-keepalive-time
    </ldp-keepalive-time>
    <ldp-session-role>
      ldp-session-role
    </ldp-session-role>
    <ldp-session-max-pdu>
      ldp-session-max-pdu
    </ldp-session-max-pdu>
    <ldp-holdtime>
      ldp-holdtime
    </ldp-holdtime>
    <ldp-neighbor-count>
      ldp-neighbor-count
    </ldp-neighbor-count>
    <ldp-neighbor-types>....</ldp-neighbor-types>
    <ldp-keepalive-interval>
      ldp-keepalive-interval
    </ldp-keepalive-interval>
    <ldp-retry-interval>
      ldp-retry-interval
    </ldp-retry-interval>
    <ldp-local-address>
      ldp-local-address
    </ldp-local-address>
    <ldp-remote-address>
      ldp-remote-address
    </ldp-remote-address>
    <ldp-graceful-restart-state>
      ldp-graceful-restart-state
    </ldp-graceful-restart-state>
    <ldp-local-reconnect-time>
```



```

    ldp-local-reconnect-time
  </ldp-local-reconnect-time>
  <ldp-remote-reconnect-time>
    ldp-remote-reconnect-time
  </ldp-remote-reconnect-time>
  <ldp-restart-complete-time>
    ldp-restart-complete-time
  </ldp-restart-complete-time>
  <ldp-helper-mode-state>
    ldp-helper-mode-state
  </ldp-helper-mode-state>
  <ldp-helper-mode-time>
    ldp-helper-mode-time
  </ldp-helper-mode-time>
  <ldp-local-helper-mode>
    ldp-local-helper-mode
  </ldp-local-helper-mode>
  <ldp-remote-helper-mode>
    ldp-remote-helper-mode
  </ldp-remote-helper-mode>
  <ldp-graceful-restart-local>
    ldp-graceful-restart-local
  </ldp-graceful-restart-local>
  <ldp-graceful-restart-remote>
    ldp-graceful-restart-remote
  </ldp-graceful-restart-remote>
  <ldp-local-maximum-reconnect>
    ldp-local-maximum-reconnect
  </ldp-local-maximum-reconnect>
  <ldp-local-maximum-recovery>
    ldp-local-maximum-recovery
  </ldp-local-maximum-recovery>
  <ldp-up-time>
    ldp-up-time
  </ldp-up-time>
  <ldp-last-down-time>
    ldp-last-down-time
  </ldp-last-down-time>
  <ldp-down-reason>
    ldp-down-reason
  </ldp-down-reason>
  <ldp-session-flap-count>
    ldp-session-flap-count
  </ldp-session-flap-count>
  <ldp-session-capabilities-advertised>....</ldp-session-capabilities-advertised>

  <ldp-session-capabilities-received>....</ldp-session-capabilities-received>
  <ldp-session-protection>....</ldp-session-protection>
  <ldp-session-nsr-state>
    ldp-session-nsr-state
  </ldp-session-nsr-state>
  <ldp-session-address>....</ldp-session-address>
  <ldp-session-deleted>
    ldp-session-deleted
  </ldp-session-deleted>
  <ldp-session-close-pending>

```

```
    ldp-session-close-pending
  </ldp-session-close-pending>
  <ldp-session-queue-depth>
    ldp-session-queue-depth
  </ldp-session-queue-depth>
  <ldp-session-read-pending>
    ldp-session-read-pending
  </ldp-session-read-pending>
  <ldp-session-write-pending>
    ldp-session-write-pending
  </ldp-session-write-pending>
  <ldp-session-receive-buffer-bytes>
    ldp-session-receive-buffer-bytes
  </ldp-session-receive-buffer-bytes>
  <ldp-session-transmit-buffer-bytes>
    ldp-session-transmit-buffer-bytes
  </ldp-session-transmit-buffer-bytes>
  <ldp-session-no-connection>
    ldp-session-no-connection
  </ldp-session-no-connection>
  <ldp-session-authentication>
    ldp-session-authentication
  </ldp-session-authentication>
  <ldp-session-statistics>....</ldp-session-statistics>
</ldp-session>
</ldp-session-information>
```

#### Description

### <ldp-session-address>

#### Usage

```
<ldp-session>
  <ldp-session-address>
    <interface-address>
      interface-address
    </interface-address>
    <interface-name>
      interface-name
    </interface-name>
    <ldp-session-address-stale>
      ldp-session-address-stale
    </ldp-session-address-stale>
  </ldp-session-address>
</ldp-session>
```

#### Description

### <ldp-session-address>

#### Usage

```
<ldp-session-information>
  <ldp-session>
    <ldp-session-address>
```

```
<interface-address>
  interface-address
</interface-address>
<interface-name>
  interface-name
</interface-name>
<ldp-session-address-stale>
  ldp-session-address-stale
</ldp-session-address-stale>
</ldp-session-address>
</ldp-session>
</ldp-session-information>
```

**Description****<ldp-session-capabilities-advertised>****Usage**

```
<ldp-session-capabilities-advertised>
  <ldp-capability>
    ldp-capability
  </ldp-capability>
</ldp-session-capabilities-advertised>
```

**Description** Capabilities advertised to peer

**<ldp-session-capabilities-advertised>****Usage**

```
<ldp-session>
  <ldp-session-capabilities-advertised>
    <ldp-capability>
      ldp-capability
    </ldp-capability>
  </ldp-session-capabilities-advertised>
</ldp-session>
```

**Description** Capabilities advertised to peer

**<ldp-session-capabilities-advertised>****Usage**

```
<ldp-session-information>
  <ldp-session>
    <ldp-session-capabilities-advertised>
      <ldp-capability>
        ldp-capability
      </ldp-capability>
    </ldp-session-capabilities-advertised>
  </ldp-session>
```

</ldp-session-information>

**Description** Capabilities advertised to peer

### <ldp-session-capabilities-received>

**Usage**

```
<ldp-session-capabilities-received>
  <ldp-capability>
    ldp-capability
  </ldp-capability>
</ldp-session-capabilities-received>
```

**Description** Capabilities received from peer

### <ldp-session-capabilities-received>

**Usage**

```
<ldp-session>
  <ldp-session-capabilities-received>
    <ldp-capability>
      ldp-capability
    </ldp-capability>
  </ldp-session-capabilities-received>
</ldp-session>
```

**Description** Capabilities received from peer

### <ldp-session-capabilities-received>

**Usage**

```
<ldp-session-information>
  <ldp-session>
    <ldp-session-capabilities-received>
      <ldp-capability>
        ldp-capability
      </ldp-capability>
    </ldp-session-capabilities-received>
  </ldp-session>
</ldp-session-information>
```

**Description** Capabilities received from peer

### <ldp-session-count>

**Usage**

```
<ldp-overview>
  <ldp-session-count>
    <ldp-session-operational>
```

```

    ldp-session-operational
  </ldp-session-operational>
  <ldp-session-nonexistent>
    ldp-session-nonexistent
  </ldp-session-nonexistent>
  <ldp-session-connecting>
    ldp-session-connecting
  </ldp-session-connecting>
  <ldp-session-initialized>
    ldp-session-initialized
  </ldp-session-initialized>
  <ldp-session-openrec>
    ldp-session-openrec
  </ldp-session-openrec>
  <ldp-session-opensent>
    ldp-session-opensent
  </ldp-session-opensent>
  <ldp-session-closing>
    ldp-session-closing
  </ldp-session-closing>
</ldp-session-count>
</ldp-overview>

```

**Description** LDP sessions

### <ldp-session-count>

#### Usage

```

<ldp-overview-information>
  <ldp-overview>
    <ldp-session-count>
      <ldp-session-operational>
        ldp-session-operational
      </ldp-session-operational>
      <ldp-session-nonexistent>
        ldp-session-nonexistent
      </ldp-session-nonexistent>
      <ldp-session-connecting>
        ldp-session-connecting
      </ldp-session-connecting>
      <ldp-session-initialized>
        ldp-session-initialized
      </ldp-session-initialized>
      <ldp-session-openrec>
        ldp-session-openrec
      </ldp-session-openrec>
      <ldp-session-opensent>
        ldp-session-opensent
      </ldp-session-opensent>
      <ldp-session-closing>
        ldp-session-closing
      </ldp-session-closing>
    </ldp-session-count>
  </ldp-overview>

```

</ldp-overview-information>

**Description** LDP sessions

### <ldp-session-information>

#### Usage

```
<ldp-session-information>
  <ldp-session>....</ldp-session>
</ldp-session-information>
```

**Description**

### <ldp-session-protect-overview>

#### Usage

```
<ldp-overview>
  <ldp-session-protect-overview>
    <ldp-session-protect>
      ldp-session-protect
    </ldp-session-protect>
    <ldp-session-protect-timeout>
      ldp-session-protect-timeout
    </ldp-session-protect-timeout>
  </ldp-session-protect-overview>
</ldp-overview>
```

**Description** LDP session protect overview

### <ldp-session-protect-overview>

#### Usage

```
<ldp-overview-information>
  <ldp-overview>
    <ldp-session-protect-overview>
      <ldp-session-protect>
        ldp-session-protect
      </ldp-session-protect>
      <ldp-session-protect-timeout>
        ldp-session-protect-timeout
      </ldp-session-protect-timeout>
    </ldp-session-protect-overview>
  </ldp-overview>
</ldp-overview-information>
```

**Description** LDP session protect overview

### <ldp-session-protection>

#### Usage

```

<ldp-session>
  <ldp-session-protection>
    <ldp-session-protection-state>
      ldp-session-protection-state
    </ldp-session-protection-state>
    <ldp-session-protection-remaining-time>
      ldp-session-protection-remaining-time
    </ldp-session-protection-remaining-time>
  </ldp-session-protection>
</ldp-session>

```

**Description** LDP session protection information

### <ldp-session-protection>

#### Usage

```

<ldp-session-information>
  <ldp-session>
    <ldp-session-protection>
      <ldp-session-protection-state>
        ldp-session-protection-state
      </ldp-session-protection-state>
      <ldp-session-protection-remaining-time>
        ldp-session-protection-remaining-time
      </ldp-session-protection-remaining-time>
    </ldp-session-protection>
  </ldp-session>
</ldp-session-information>

```

**Description** LDP session protection information

### <ldp-session-replication>

#### Usage

```

<ldp-session-replication>
  <ldp-instance-id>
    ldp-instance-id
  </ldp-instance-id>
  <ldp-neighbor-address>
    ldp-neighbor-address
  </ldp-neighbor-address>
  <ldp-session-replication-state>
    ldp-session-replication-state
  </ldp-session-replication-state>
  <ldp-reference-count>
    ldp-reference-count
  </ldp-reference-count>
  <ldp-session-replication-age>
    ldp-session-replication-age

```

```
</ldp-session-replication-age>
</ldp-session-replication>
```

**Description** Session replication entry

### <ldp-session-replication>

**Usage**

```
<ldp-session-replication-information>
  <ldp-session-replication>
    <ldp-instance-id>
      ldp-instance-id
    </ldp-instance-id>
    <ldp-neighbor-address>
      ldp-neighbor-address
    </ldp-neighbor-address>
    <ldp-session-replication-state>
      ldp-session-replication-state
    </ldp-session-replication-state>
    <ldp-reference-count>
      ldp-reference-count
    </ldp-reference-count>
    <ldp-session-replication-age>
      ldp-session-replication-age
    </ldp-session-replication-age>
  </ldp-session-replication>
</ldp-session-replication-information>
```

**Description** Session replication entry

### <ldp-session-replication-information>

**Usage**

```
<ldp-session-replication-information>
  <ldp-session-replication>....</ldp-session-replication>
</ldp-session-replication-information>
```

**Description**

### <ldp-session-statistics>

**Usage**

```
<ldp-session>
  <ldp-session-statistics>
    <ldp-message-type>
      ldp-message-type
    </ldp-message-type>
    <ldp-messages-sent>
      ldp-messages-sent
    </ldp-messages-sent>
    <ldp-messages-received>
```



```

        ldp-messages-received
      </ldp-messages-received>
      <ldp-messages-sent-5seconds>
        ldp-messages-sent-5seconds
      </ldp-messages-sent-5seconds>
      <ldp-messages-received-5seconds>
        ldp-messages-received-5seconds
      </ldp-messages-received-5seconds>
    </ldp-session-statistics>
  </ldp-session>

```

#### Description

### <ldp-session-statistics>

#### Usage

```

<ldp-session-information>
  <ldp-session>
    <ldp-session-statistics>
      <ldp-message-type>
        ldp-message-type
      </ldp-message-type>
      <ldp-messages-sent>
        ldp-messages-sent
      </ldp-messages-sent>
      <ldp-messages-received>
        ldp-messages-received
      </ldp-messages-received>
      <ldp-messages-sent-5seconds>
        ldp-messages-sent-5seconds
      </ldp-messages-sent-5seconds>
      <ldp-messages-received-5seconds>
        ldp-messages-received-5seconds
      </ldp-messages-received-5seconds>
    </ldp-session-statistics>
  </ldp-session>
</ldp-session-information>

```

#### Description

### <ldp-standby-path>

#### Usage

```

<ldp-standby-path>
  <ldp-reference-count>
    ldp-reference-count
  </ldp-reference-count>
  <ldp-label>
    ldp-label
  </ldp-label>
  <ldp-standby-path-prefix>....</ldp-standby-path-prefix>
</ldp-standby-path>

```

**Description** LDP standby path entry

## <ldp-standby-path>

### Usage

```
<ldp-standby-path-information>
  <ldp-standby-path>
    <ldp-reference-count>
      ldp-reference-count
    </ldp-reference-count>
    <ldp-label>
      ldp-label
    </ldp-label>
    <ldp-standby-path-prefix>....</ldp-standby-path-prefix>
  </ldp-standby-path>
</ldp-standby-path-information>
```

**Description** LDP standby path entry

## <ldp-standby-path-information>

### Usage

```
<ldp-standby-path-information>
  <ldp-standby-path>....</ldp-standby-path>
</ldp-standby-path-information>
```

**Description**

## <ldp-standby-path-prefix>

### Usage

```
<ldp-standby-path>
  <ldp-standby-path-prefix>
    <ldp-prefix>
      ldp-prefix
    </ldp-prefix>
    <ldp-reference-count>
      ldp-reference-count
    </ldp-reference-count>
  </ldp-standby-path-prefix>
</ldp-standby-path>
```

**Description**

## <ldp-standby-path-prefix>

### Usage

```
<ldp-standby-path-information>
  <ldp-standby-path>
    <ldp-standby-path-prefix>
      <ldp-prefix>
        ldp-prefix
```

```

</ldp-prefix>
<ldp-reference-count>
  ldp-reference-count
</ldp-reference-count>
</ldp-standby-path-prefix>
</ldp-standby-path>
</ldp-standby-path-information>

```

#### Description

### <ldp-standby-path-reference>

#### Usage

```

<ldp-standby-route>
  <ldp-standby-path-reference>
    <ldp-reference-count>
      ldp-reference-count
    </ldp-reference-count>
    <ldp-label>
      ldp-label
    </ldp-label>
  </ldp-standby-path-reference>
</ldp-standby-route>

```

**Description** Route to label association entry

### <ldp-standby-path-reference>

#### Usage

```

<ldp-standby-route-information>
  <ldp-standby-route>
    <ldp-standby-path-reference>
      <ldp-reference-count>
        ldp-reference-count
      </ldp-reference-count>
      <ldp-label>
        ldp-label
      </ldp-label>
    </ldp-standby-path-reference>
  </ldp-standby-route>
</ldp-standby-route-information>

```

**Description** Route to label association entry

### <ldp-standby-route>

#### Usage

```

<ldp-standby-route>
  <ldp-prefix>
    ldp-prefix
  </ldp-prefix>

```

```
<ldp-standby-route-route>
  ldp-standby-route-route
</ldp-standby-route-route>
<ldp-standby-path-reference>....</ldp-standby-path-reference>
</ldp-standby-route>
```

**Description** LDP standby route entry

### <ldp-standby-route>

#### Usage

```
<ldp-standby-route-information>
<ldp-standby-route>
  <ldp-prefix>
    ldp-prefix
  </ldp-prefix>
  <ldp-standby-route-route>
    ldp-standby-route-route
  </ldp-standby-route-route>
  <ldp-standby-path-reference>....</ldp-standby-path-reference>
</ldp-standby-route>
</ldp-standby-route-information>
```

**Description** LDP standby route entry

### <ldp-standby-route-information>

#### Usage

```
<ldp-standby-route-information>
  <ldp-standby-route>....</ldp-standby-route>
</ldp-standby-route-information>
```

#### Description

### <ldp-statistics>

#### Usage

```
<ldp-statistics>
  <ldp-message-statistics>....</ldp-message-statistics>
  <ldp-event-statistics>....</ldp-event-statistics>
</ldp-statistics>
```

#### Description

### <ldp-statistics>

#### Usage

```
<ldp-statistics-information>
  <ldp-statistics>
    <ldp-message-statistics>....</ldp-message-statistics>
    <ldp-event-statistics>....</ldp-event-statistics>
```

```

</ldp-statistics>
</ldp-statistics-information>

```

#### Description

<ldp-statistics-information>

#### Usage

```

<ldp-statistics-information>
  <ldp-statistics>....</ldp-statistics>
</ldp-statistics-information>

```

#### Description

<ldp-te-overview>

#### Usage

```

<ldp-overview>
  <ldp-te-overview>
    <ldp-te-bgp-igp>
      ldp-te-bgp-igp
    </ldp-te-bgp-igp>
    <ldp-te-both-ribs>
      ldp-te-both-ribs
    </ldp-te-both-ribs>
    <ldp-te-mpls-forwarding>
      ldp-te-mpls-forwarding
    </ldp-te-mpls-forwarding>
  </ldp-te-overview>
</ldp-overview>

```

**Description** LDP TE overview

<ldp-te-overview>

#### Usage

```

<ldp-overview-information>
  <ldp-overview>
    <ldp-te-overview>
      <ldp-te-bgp-igp>
        ldp-te-bgp-igp
      </ldp-te-bgp-igp>
      <ldp-te-both-ribs>
        ldp-te-both-ribs
      </ldp-te-both-ribs>
      <ldp-te-mpls-forwarding>
        ldp-te-mpls-forwarding
      </ldp-te-mpls-forwarding>
    </ldp-te-overview>
  </ldp-overview>
</ldp-overview-information>

```

**Description** LDP TE overview

### <ldp-timer-overview>

#### Usage

```
<ldp-overview>
  <ldp-timer-overview>
    <ldp-instance-keepalive-interval>
      ldp-instance-keepalive-interval
    </ldp-instance-keepalive-interval>
    <ldp-instance-keepalive-timeout>
      ldp-instance-keepalive-timeout
    </ldp-instance-keepalive-timeout>
    <ldp-instance-link-hello-interval>
      ldp-instance-link-hello-interval
    </ldp-instance-link-hello-interval>
    <ldp-instance-link-hello-hold-time>
      ldp-instance-link-hello-hold-time
    </ldp-instance-link-hello-hold-time>
    <ldp-instance-targeted-hello-interval>
      ldp-instance-targeted-hello-interval
    </ldp-instance-targeted-hello-interval>
    <ldp-instance-targeted-hello-hold-time>
      ldp-instance-targeted-hello-hold-time
    </ldp-instance-targeted-hello-hold-time>
    <ldp-instance-label-withdraw-delay>
      ldp-instance-label-withdraw-delay
    </ldp-instance-label-withdraw-delay>
  </ldp-timer-overview>
</ldp-overview>
```

**Description** LDP timer overview

### <ldp-timer-overview>

#### Usage

```
<ldp-overview-information>
  <ldp-overview>
    <ldp-timer-overview>
      <ldp-instance-keepalive-interval>
        ldp-instance-keepalive-interval
      </ldp-instance-keepalive-interval>
      <ldp-instance-keepalive-timeout>
        ldp-instance-keepalive-timeout
      </ldp-instance-keepalive-timeout>
      <ldp-instance-link-hello-interval>
        ldp-instance-link-hello-interval
      </ldp-instance-link-hello-interval>
      <ldp-instance-link-hello-hold-time>
        ldp-instance-link-hello-hold-time
      </ldp-instance-link-hello-hold-time>
      <ldp-instance-targeted-hello-interval>
        ldp-instance-targeted-hello-interval
```

```

</ldp-instance-targeted-hello-interval>
<ldp-instance-targeted-hello-hold-time>
  ldp-instance-targeted-hello-hold-time
</ldp-instance-targeted-hello-hold-time>
<ldp-instance-label-withdraw-delay>
  ldp-instance-label-withdraw-delay
</ldp-instance-label-withdraw-delay>
</ldp-timer-overview>
</ldp-overview>
</ldp-overview-information>

```

**Description** LDP timer overview

## <ldp-traffic-statistics>

### Usage

```

<ldp-traffic-statistics>
  <ldp-prefix>
    ldp-prefix
  </ldp-prefix>
  <ldp-traffic-type>
    ldp-traffic-type
  </ldp-traffic-type>
  <ldp-traffic-error>
    ldp-traffic-error
  </ldp-traffic-error>
  <ldp-traffic-statistics-packet-count>
    ldp-traffic-statistics-packet-count
  </ldp-traffic-statistics-packet-count>
  <ldp-traffic-statistics-byte-count>
    ldp-traffic-statistics-byte-count
  </ldp-traffic-statistics-byte-count>
  <ldp-traffic-multiple-fec>
    ldp-traffic-multiple-fec
  </ldp-traffic-multiple-fec>
</ldp-traffic-statistics>

```

**Description**

## <ldp-traffic-statistics>

### Usage

```

<ldp-traffic-statistics-information>
  <ldp-traffic-statistics>
    <ldp-prefix>
      ldp-prefix
    </ldp-prefix>
    <ldp-traffic-type>
      ldp-traffic-type
    </ldp-traffic-type>
    <ldp-traffic-error>
      ldp-traffic-error
    </ldp-traffic-error>
  </ldp-traffic-statistics>

```

```
<ldp-traffic-statistics-packet-count>
  ldp-traffic-statistics-packet-count
</ldp-traffic-statistics-packet-count>
<ldp-traffic-statistics-byte-count>
  ldp-traffic-statistics-byte-count
</ldp-traffic-statistics-byte-count>
<ldp-traffic-multiple-fec>
  ldp-traffic-multiple-fec
</ldp-traffic-multiple-fec>
</ldp-traffic-statistics>
</ldp-traffic-statistics-information>
```

#### Description

### <ldp-traffic-statistics-error>

#### Usage

```
<ldp-traffic-statistics-error>
<ldp-traffic-error>
  ldp-traffic-error
</ldp-traffic-error>
</ldp-traffic-statistics-error>
```

#### Description

### <ldp-traffic-statistics-error>

#### Usage

```
<ldp-traffic-statistics-information>
<ldp-traffic-statistics-error>
<ldp-traffic-error>
  ldp-traffic-error
</ldp-traffic-error>
</ldp-traffic-statistics-error>
</ldp-traffic-statistics-information>
```

#### Description

### <ldp-traffic-statistics-information>

#### Usage

```
<ldp-traffic-statistics-information>
<ldp-traffic-statistics>.....</ldp-traffic-statistics>
<ldp-p2mp-traffic-statistics>.....</ldp-p2mp-traffic-statistics>
<ldp-traffic-statistics-error>.....</ldp-traffic-statistics-error>
</ldp-traffic-statistics-information>
```

#### Description



**<ldp-vpls-reference-site>****Usage**

```

<instance>
  <ldp-vpls-reference-site>
    <vpls-signaling-protocol-identifier>
      vpls-signaling-protocol-identifier
    </vpls-signaling-protocol-identifier>
    <local-site-id>
      local-site-id
    </local-site-id>
    <remote-site-id>
      remote-site-id
    </remote-site-id>
    <vpls-id>
      vpls-id
    </vpls-id>
    <l2vpn-id>
      l2vpn-id
    </l2vpn-id>
    <local-id>
      local-id
    </local-id>
    <num-local-interfaces>
      num-local-interfaces
    </num-local-interfaces>
    <num-local-interfaces-up>
      num-local-interfaces-up
    </num-local-interfaces-up>
    <irb-present>
      irb-present
    </irb-present>
    <mesh-group-count>
      mesh-group-count
    </mesh-group-count>
    <mesh-group-up-count>
      mesh-group-up-count
    </mesh-group-up-count>
    <mesh-group-interfaces>....</mesh-group-interfaces>
    <interface>
      interface
    </interface>
    <connection>....</connection>
    <mesh-group-connection>....</mesh-group-connection>
    <connections-summary>....</connections-summary>
  </ldp-vpls-reference-site>
</instance>

```

**Description** Information about LDP-VPLS

## <ldp-vpls-reference-site>

### Usage

```
<l2vpn-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <vpls-signaling-protocol-identifier>
      vpls-signaling-protocol-identifier
    </vpls-signaling-protocol-identifier>
    <local-site-id>
      local-site-id
    </local-site-id>
    <remote-site-id>
      remote-site-id
    </remote-site-id>
    <vpls-id>
      vpls-id
    </vpls-id>
    <l2vpn-id>
      l2vpn-id
    </l2vpn-id>
    <local-id>
      local-id
    </local-id>
    <num-local-interfaces>
      num-local-interfaces
    </num-local-interfaces>
    <num-local-interfaces-up>
      num-local-interfaces-up
    </num-local-interfaces-up>
    <irb-present>
      irb-present
    </irb-present>
    <mesh-group-count>
      mesh-group-count
    </mesh-group-count>
    <mesh-group-up-count>
      mesh-group-up-count
    </mesh-group-up-count>
    <mesh-group-interfaces>....</mesh-group-interfaces>
    <interface>
      interface
    </interface>
    <connection>....</connection>
    <mesh-group-connection>....</mesh-group-connection>
    <connections-summary>....</connections-summary>
  </ldp-vpls-reference-site>
</instance>
</l2vpn-connection-information>
```

**Description** Information about LDP-VPLS

**<ldp-vpls-reference-site>****Usage**

```

<vpls-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <vpls-signaling-protocol-identifier>
      vpls-signaling-protocol-identifier
    </vpls-signaling-protocol-identifier>
    <local-site-id>
      local-site-id
    </local-site-id>
    <remote-site-id>
      remote-site-id
    </remote-site-id>
    <vpls-id>
      vpls-id
    </vpls-id>
    <l2vpn-id>
      l2vpn-id
    </l2vpn-id>
    <local-id>
      local-id
    </local-id>
    <num-local-interfaces>
      num-local-interfaces
    </num-local-interfaces>
    <num-local-interfaces-up>
      num-local-interfaces-up
    </num-local-interfaces-up>
    <irb-present>
      irb-present
    </irb-present>
    <mesh-group-count>
      mesh-group-count
    </mesh-group-count>
    <mesh-group-up-count>
      mesh-group-up-count
    </mesh-group-up-count>
    <mesh-group-interfaces>....</mesh-group-interfaces>
    <interface>
      interface
    </interface>
    <connection>....</connection>
    <mesh-group-connection>....</mesh-group-connection>
    <connections-summary>....</connections-summary>
  </ldp-vpls-reference-site>
</instance>
</vpls-connection-information>

```

**Description** Information about LDP-VPLS

## <ldp-vpls-reference-site>

### Usage

```
<vpls-statistics-information>
<instance>
  <ldp-vpls-reference-site>
    <vpls-signaling-protocol-identifier>
      vpls-signaling-protocol-identifier
    </vpls-signaling-protocol-identifier>
    <local-site-id>
      local-site-id
    </local-site-id>
    <remote-site-id>
      remote-site-id
    </remote-site-id>
    <vpls-id>
      vpls-id
    </vpls-id>
    <l2vpn-id>
      l2vpn-id
    </l2vpn-id>
    <local-id>
      local-id
    </local-id>
    <num-local-interfaces>
      num-local-interfaces
    </num-local-interfaces>
    <num-local-interfaces-up>
      num-local-interfaces-up
    </num-local-interfaces-up>
    <irb-present>
      irb-present
    </irb-present>
    <mesh-group-count>
      mesh-group-count
    </mesh-group-count>
    <mesh-group-up-count>
      mesh-group-up-count
    </mesh-group-up-count>
    <mesh-group-interfaces>....</mesh-group-interfaces>
    <interface>
      interface
    </interface>
    <connection>....</connection>
    <mesh-group-connection>....</mesh-group-connection>
    <connections-summary>....</connections-summary>
  </ldp-vpls-reference-site>
</instance>
</vpls-statistics-information>
```

**Description** Information about LDP-VPLS

**<ldp-vpls-reference-site>****Usage**

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>
      <vpls-signaling-protocol-identifier>
        vpls-signaling-protocol-identifier
      </vpls-signaling-protocol-identifier>
      <local-site-id>
        local-site-id
      </local-site-id>
      <remote-site-id>
        remote-site-id
      </remote-site-id>
      <vpls-id>
        vpls-id
      </vpls-id>
      <l2vpn-id>
        l2vpn-id
      </l2vpn-id>
      <local-id>
        local-id
      </local-id>
      <num-local-interfaces>
        num-local-interfaces
      </num-local-interfaces>
      <num-local-interfaces-up>
        num-local-interfaces-up
      </num-local-interfaces-up>
      <irb-present>
        irb-present
      </irb-present>
      <mesh-group-count>
        mesh-group-count
      </mesh-group-count>
      <mesh-group-up-count>
        mesh-group-up-count
      </mesh-group-up-count>
      <mesh-group-interfaces>....</mesh-group-interfaces>
      <interface>
        interface
      </interface>
      <connection>....</connection>
      <mesh-group-connection>....</mesh-group-connection>
      <connections-summary>....</connections-summary>
    </ldp-vpls-reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

**Description** Information about LDP-VPLS

## <ldp-vpls-reference-site>

### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>
      <vpls-signaling-protocol-identifier>
        vpls-signaling-protocol-identifier
      </vpls-signaling-protocol-identifier>
      <local-site-id>
        local-site-id
      </local-site-id>
      <remote-site-id>
        remote-site-id
      </remote-site-id>
      <vpls-id>
        vpls-id
      </vpls-id>
      <l2vpn-id>
        l2vpn-id
      </l2vpn-id>
      <local-id>
        local-id
      </local-id>
      <num-local-interfaces>
        num-local-interfaces
      </num-local-interfaces>
      <num-local-interfaces-up>
        num-local-interfaces-up
      </num-local-interfaces-up>
      <irb-present>
        irb-present
      </irb-present>
      <mesh-group-count>
        mesh-group-count
      </mesh-group-count>
      <mesh-group-up-count>
        mesh-group-up-count
      </mesh-group-up-count>
      <mesh-group-interfaces>....</mesh-group-interfaces>
      <interface>
        interface
      </interface>
      <connection>....</connection>
      <mesh-group-connection>....</mesh-group-connection>
      <connections-summary>....</connections-summary>
    </ldp-vpls-reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

**Description** Information about LDP-VPLS

**<ldp-vpls-reference-site>****Usage**

```

<mvpn-instance-information>
<instance>
  <ldp-vpls-reference-site>
    <vpls-signaling-protocol-identifier>
      vpls-signaling-protocol-identifier
    </vpls-signaling-protocol-identifier>
    <local-site-id>
      local-site-id
    </local-site-id>
    <remote-site-id>
      remote-site-id
    </remote-site-id>
    <vpls-id>
      vpls-id
    </vpls-id>
    <l2vpn-id>
      l2vpn-id
    </l2vpn-id>
    <local-id>
      local-id
    </local-id>
    <num-local-interfaces>
      num-local-interfaces
    </num-local-interfaces>
    <num-local-interfaces-up>
      num-local-interfaces-up
    </num-local-interfaces-up>
    <irb-present>
      irb-present
    </irb-present>
    <mesh-group-count>
      mesh-group-count
    </mesh-group-count>
    <mesh-group-up-count>
      mesh-group-up-count
    </mesh-group-up-count>
    <mesh-group-interfaces>....</mesh-group-interfaces>
    <interface>
      interface
    </interface>
    <connection>....</connection>
    <mesh-group-connection>....</mesh-group-connection>
    <connections-summary>....</connections-summary>
  </ldp-vpls-reference-site>
</instance>
</mvpn-instance-information>

```

**Description** Information about LDP-VPLS

## <lm-control-channel-info>

### Usage

```
<lm-peer-control-channels>
  <lm-control-channel-info>
    <lm-control-channel>
      lm-control-channel
    </lm-control-channel>
    <lm-control-channel-state>
      lm-control-channel-state
    </lm-control-channel-state>
  </lm-control-channel-info>
</lm-peer-control-channels>
```

**Description** Link management control channel information

## <lm-control-channel-info>

### Usage

```
<lm-peer-information>
  <lm-peer-control-channels>
    <lm-control-channel-info>
      <lm-control-channel>
        lm-control-channel
      </lm-control-channel>
      <lm-control-channel-state>
        lm-control-channel-state
      </lm-control-channel-state>
    </lm-control-channel-info>
  </lm-peer-control-channels>
</lm-peer-information>
```

**Description** Link management control channel information

## <lm-control-channel-info>

### Usage

```
<lm-peer-root-information>
  <lm-peer-information>
    <lm-peer-control-channels>
      <lm-control-channel-info>
        <lm-control-channel>
          lm-control-channel
        </lm-control-channel>
        <lm-control-channel-state>
          lm-control-channel-state
        </lm-control-channel-state>
      </lm-control-channel-info>
    </lm-peer-control-channels>
  </lm-peer-information>
</lm-peer-root-information>
```



**Description** Link management control channel information

### <lm-control-channel-info>

#### Usage

```
<lm-information>
  <lm-peer-root-information>
    <lm-peer-information>
      <lm-peer-control-channels>
        <lm-control-channel-info>
          <lm-control-channel>
            lm-control-channel
          </lm-control-channel>
          <lm-control-channel-state>
            lm-control-channel-state
          </lm-control-channel-state>
        </lm-control-channel-info>
      </lm-peer-control-channels>
    </lm-peer-information>
  </lm-peer-root-information>
</lm-information>
```

**Description** Link management control channel information

### <lm-information>

#### Usage

```
<lm-information>
  <lm-peer-root-information>....</lm-peer-root-information>
  <lm-te-link-root-information>....</lm-te-link-root-information>
  <lm-resource-root-information>....</lm-resource-root-information>
</lm-information>
```

**Description**

### <lm-input-statistics>

#### Usage

```
<lm-statistics-information>
  <lm-peer-statistics>
    <lm-input-statistics>
      <lm-received-packets>....</lm-received-packets>
      <lm-received-bad-packets>....</lm-received-bad-packets>
      <lm-received-misordered-packets>....</lm-received-misordered-packets>
      <lm-small-packets>
        lm-small-packets
      </lm-small-packets>
      <lm-bad-version>
        lm-bad-version
      </lm-bad-version>
      <lm-no-peer>
        lm-no-peer
      </lm-no-peer>
```

```
<lm-no-cc>
  lm-no-cc
</lm-no-cc>
<lm-wrong-state>
  lm-wrong-state
</lm-wrong-state>
<lm-stale-ack>
  lm-stale-ack
</lm-stale-ack>
<lm-stale-nack>
  lm-stale-nack
</lm-stale-nack>
</lm-input-statistics>
</lm-peer-statistics>
</lm-statistics-information>
```

**Description** Input statistics

### <lm-lmp-control-channel-flags>

#### Usage

```
<lm-peer-lmp-control-channels>
  <lm-peer-lmp-control-channel-information>
    <lm-lmp-control-channel-flags>
      <cc-restarting>
        cc-restarting
      </cc-restarting>
    </lm-lmp-control-channel-flags>
  </lm-peer-lmp-control-channel-information>
</lm-peer-lmp-control-channels>
```

**Description** Peer control channel flags

### <lm-lmp-control-channel-flags>

#### Usage

```
<lm-peer-information>
  <lm-peer-lmp-control-channels>
    <lm-peer-lmp-control-channel-information>
      <lm-lmp-control-channel-flags>
        <cc-restarting>
          cc-restarting
        </cc-restarting>
      </lm-lmp-control-channel-flags>
    </lm-peer-lmp-control-channel-information>
  </lm-peer-lmp-control-channels>
</lm-peer-information>
```

**Description** Peer control channel flags

### <lm-lmp-control-channel-flags>

#### Usage

```

<lm-peer-root-information>
<lm-peer-information>
  <lm-peer-lmp-control-channels>
    <lm-peer-lmp-control-channel-information>
      <lm-lmp-control-channel-flags>
        <cc-restarting>
          cc-restarting
        </cc-restarting>
      </lm-lmp-control-channel-flags>
    </lm-peer-lmp-control-channel-information>
  </lm-peer-lmp-control-channels>
</lm-peer-information>
</lm-peer-root-information>

```

**Description** Peer control channel flags

### <lm-lmp-control-channel-flags>

#### Usage

```

<lm-information>
<lm-peer-root-information>
<lm-peer-information>
  <lm-peer-lmp-control-channels>
    <lm-peer-lmp-control-channel-information>
      <lm-lmp-control-channel-flags>
        <cc-restarting>
          cc-restarting
        </cc-restarting>
      </lm-lmp-control-channel-flags>
    </lm-peer-lmp-control-channel-information>
  </lm-peer-lmp-control-channels>
</lm-peer-information>
</lm-peer-root-information>
</lm-information>

```

**Description** Peer control channel flags

### <lm-output-statistics>

#### Usage

```

<lm-statistics-information>
<lm-peer-statistics>
  <lm-output-statistics>
    <lm-sent-packets>....</lm-sent-packets>
    <lm-retransmit-packets>....</lm-retransmit-packets>
    <lm-tossed-packets>....</lm-tossed-packets>
  </lm-output-statistics>
</lm-peer-statistics>

```

</lm-statistics-information>

**Description**    Output statistics

### <lm-peer-control-channels>

**Usage**

```
<lm-peer-control-channels>
  <lm-control-channel-info>....</lm-control-channel-info>
</lm-peer-control-channels>
```

**Description**    Link management control channels

### <lm-peer-control-channels>

**Usage**

```
<lm-peer-information>
  <lm-peer-control-channels>
    <lm-control-channel-info>....</lm-control-channel-info>
  </lm-peer-control-channels>
</lm-peer-information>
```

**Description**    Link management control channels

### <lm-peer-control-channels>

**Usage**

```
<lm-peer-root-information>
  <lm-peer-information>
    <lm-peer-control-channels>
      <lm-control-channel-info>....</lm-control-channel-info>
    </lm-peer-control-channels>
  </lm-peer-information>
</lm-peer-root-information>
```

**Description**    Link management control channels

### <lm-peer-control-channels>

**Usage**

```
<lm-information>
  <lm-peer-root-information>
    <lm-peer-information>
      <lm-peer-control-channels>
        <lm-control-channel-info>....</lm-control-channel-info>
      </lm-peer-control-channels>
    </lm-peer-information>
  </lm-peer-root-information>
```

```
</lm-information>
```

**Description** Link management control channels

## <lm-peer-information>

### Usage

```
<lm-peer-information>
  <lm-source>
    lm-source
  </lm-source>
  <lm-sys-id>
    lm-sys-id
  </lm-sys-id>
  <lm-peer-name>
    lm-peer-name
  </lm-peer-name>
  <lm-state>
    lm-state
  </lm-state>
  <lm-peer-control-address>
    lm-peer-control-address
  </lm-peer-control-address>
  <lm-peer-hello-interval>
    lm-peer-hello-interval
  </lm-peer-hello-interval>
  <lm-peer-hello-dead-interval>
    lm-peer-hello-dead-interval
  </lm-peer-hello-dead-interval>
  <lm-peer-received-message-id>
    lm-peer-received-message-id
  </lm-peer-received-message-id>
  <lm-peer-sent-message-id>
    lm-peer-sent-message-id
  </lm-peer-sent-message-id>
  <lm-peer-control-channels>....</lm-peer-control-channels>
  <lm-peer-lmp-control-channels>....</lm-peer-lmp-control-channels>
  <lm-peer-te-links>....</lm-peer-te-links>
</lm-peer-information>
```

### Description

## <lm-peer-information>

### Usage

```
<lm-peer-root-information>
  <lm-peer-information>
    <lm-source>
      lm-source
    </lm-source>
    <lm-sys-id>
      lm-sys-id
    </lm-sys-id>
```

```
<lm-peer-name>
  lm-peer-name
</lm-peer-name>
<lm-state>
  lm-state
</lm-state>
<lm-peer-control-address>
  lm-peer-control-address
</lm-peer-control-address>
<lm-peer-hello-interval>
  lm-peer-hello-interval
</lm-peer-hello-interval>
<lm-peer-hello-dead-interval>
  lm-peer-hello-dead-interval
</lm-peer-hello-dead-interval>
<lm-peer-received-message-id>
  lm-peer-received-message-id
</lm-peer-received-message-id>
<lm-peer-sent-message-id>
  lm-peer-sent-message-id
</lm-peer-sent-message-id>
<lm-peer-control-channels>....</lm-peer-control-channels>
<lm-peer-lmp-control-channels>....</lm-peer-lmp-control-channels>
<lm-peer-te-links>....</lm-peer-te-links>
</lm-peer-information>
</lm-peer-root-information>
```

## Description

### <lm-peer-information>

#### Usage

```
<lm-information>
<lm-peer-root-information>
  <lm-peer-information>
    <lm-source>
      lm-source
    </lm-source>
    <lm-sys-id>
      lm-sys-id
    </lm-sys-id>
    <lm-peer-name>
      lm-peer-name
    </lm-peer-name>
    <lm-state>
      lm-state
    </lm-state>
    <lm-peer-control-address>
      lm-peer-control-address
    </lm-peer-control-address>
    <lm-peer-hello-interval>
      lm-peer-hello-interval
    </lm-peer-hello-interval>
    <lm-peer-hello-dead-interval>
      lm-peer-hello-dead-interval
```

```

</lm-peer-hello-dead-interval>
<lm-peer-received-message-id>
  lm-peer-received-message-id
</lm-peer-received-message-id>
<lm-peer-sent-message-id>
  lm-peer-sent-message-id
</lm-peer-sent-message-id>
<lm-peer-control-channels>....</lm-peer-control-channels>
<lm-peer-lmp-control-channels>....</lm-peer-lmp-control-channels>
<lm-peer-te-links>....</lm-peer-te-links>
</lm-peer-information>
</lm-peer-root-information>
</lm-information>

```

### Description

## <lm-peer-lmp-control-channel-information>

### Usage

```

<lm-peer-lmp-control-channels>
<lm-peer-lmp-control-channel-information>
  <lm-lmp-control-channel-local-id>
    lm-lmp-control-channel-local-id
  </lm-lmp-control-channel-local-id>
  <lm-lmp-control-channel-remote-id>
    lm-lmp-control-channel-remote-id
  </lm-lmp-control-channel-remote-id>
  <lm-lmp-control-channel-state>
    lm-lmp-control-channel-state
  </lm-lmp-control-channel-state>
  <lm-lmp-control-channel-flags>....</lm-lmp-control-channel-flags>
  <lm-lmp-control-channel-received-message-id>
    lm-lmp-control-channel-received-message-id
  </lm-lmp-control-channel-received-message-id>
  <lm-lmp-control-channel-sent-message-id>
    lm-lmp-control-channel-sent-message-id
  </lm-lmp-control-channel-sent-message-id>
  <lm-lmp-control-channel-rcv-seq-num>
    lm-lmp-control-channel-rcv-seq-num
  </lm-lmp-control-channel-rcv-seq-num>
  <lm-lmp-control-channel-tx-seq-num>
    lm-lmp-control-channel-tx-seq-num
  </lm-lmp-control-channel-tx-seq-num>
</lm-peer-lmp-control-channel-information>
</lm-peer-lmp-control-channels>

```

**Description** Link management control channel information

## <lm-peer-lmp-control-channel-information>

### Usage

```

<lm-peer-information>
  <lm-peer-lmp-control-channels>

```

```

<lm-peer-lmp-control-channel-information>
  <lm-lmp-control-channel-local-id>
    lm-lmp-control-channel-local-id
  </lm-lmp-control-channel-local-id>
  <lm-lmp-control-channel-remote-id>
    lm-lmp-control-channel-remote-id
  </lm-lmp-control-channel-remote-id>
  <lm-lmp-control-channel-state>
    lm-lmp-control-channel-state
  </lm-lmp-control-channel-state>
  <lm-lmp-control-channel-flags>....</lm-lmp-control-channel-flags>
  <lm-lmp-control-channel-received-message-id>
    lm-lmp-control-channel-received-message-id
  </lm-lmp-control-channel-received-message-id>
  <lm-lmp-control-channel-sent-message-id>
    lm-lmp-control-channel-sent-message-id
  </lm-lmp-control-channel-sent-message-id>
  <lm-lmp-control-channel-rcv-seq-num>
    lm-lmp-control-channel-rcv-seq-num
  </lm-lmp-control-channel-rcv-seq-num>
  <lm-lmp-control-channel-tx-seq-num>
    lm-lmp-control-channel-tx-seq-num
  </lm-lmp-control-channel-tx-seq-num>
</lm-peer-lmp-control-channel-information>
</lm-peer-lmp-control-channels>
</lm-peer-information>

```

**Description** Link management control channel information

## <lm-peer-lmp-control-channel-information>

### Usage

```

<lm-peer-root-information>
  <lm-peer-information>
    <lm-peer-lmp-control-channels>
      <lm-peer-lmp-control-channel-information>
        <lm-lmp-control-channel-local-id>
          lm-lmp-control-channel-local-id
        </lm-lmp-control-channel-local-id>
        <lm-lmp-control-channel-remote-id>
          lm-lmp-control-channel-remote-id
        </lm-lmp-control-channel-remote-id>
        <lm-lmp-control-channel-state>
          lm-lmp-control-channel-state
        </lm-lmp-control-channel-state>
        <lm-lmp-control-channel-flags>....</lm-lmp-control-channel-flags>
        <lm-lmp-control-channel-received-message-id>
          lm-lmp-control-channel-received-message-id
        </lm-lmp-control-channel-received-message-id>
        <lm-lmp-control-channel-sent-message-id>
          lm-lmp-control-channel-sent-message-id
        </lm-lmp-control-channel-sent-message-id>
        <lm-lmp-control-channel-rcv-seq-num>
          lm-lmp-control-channel-rcv-seq-num

```



```

</lm-lmp-control-channel-rcv-seq-num>
<lm-lmp-control-channel-tx-seq-num>
  lm-lmp-control-channel-tx-seq-num
</lm-lmp-control-channel-tx-seq-num>
</lm-peer-lmp-control-channel-information>
</lm-peer-lmp-control-channels>
</lm-peer-information>
</lm-peer-root-information>

```

**Description** Link management control channel information

### <lm-peer-lmp-control-channel-information>

#### Usage

```

<lm-information>
<lm-peer-root-information>
<lm-peer-information>
  <lm-peer-lmp-control-channels>
    <lm-peer-lmp-control-channel-information>
      <lm-lmp-control-channel-local-id>
        lm-lmp-control-channel-local-id
      </lm-lmp-control-channel-local-id>
      <lm-lmp-control-channel-remote-id>
        lm-lmp-control-channel-remote-id
      </lm-lmp-control-channel-remote-id>
      <lm-lmp-control-channel-state>
        lm-lmp-control-channel-state
      </lm-lmp-control-channel-state>
      <lm-lmp-control-channel-flags>....</lm-lmp-control-channel-flags>
      <lm-lmp-control-channel-received-message-id>
        lm-lmp-control-channel-received-message-id
      </lm-lmp-control-channel-received-message-id>
      <lm-lmp-control-channel-sent-message-id>
        lm-lmp-control-channel-sent-message-id
      </lm-lmp-control-channel-sent-message-id>
      <lm-lmp-control-channel-rcv-seq-num>
        lm-lmp-control-channel-rcv-seq-num
      </lm-lmp-control-channel-rcv-seq-num>
      <lm-lmp-control-channel-tx-seq-num>
        lm-lmp-control-channel-tx-seq-num
      </lm-lmp-control-channel-tx-seq-num>
    </lm-peer-lmp-control-channel-information>
  </lm-peer-lmp-control-channels>
</lm-peer-information>
</lm-peer-root-information>
</lm-information>

```

**Description** Link management control channel information

### <lm-peer-lmp-control-channels>

**Usage**

```
<lm-peer-lmp-control-channels>
  <lm-peer-lmp-control-channel-information>....</lm-peer-lmp-control-channel-information>
</lm-peer-lmp-control-channels>
```

**Description** Link management control channels

### <lm-peer-lmp-control-channels>

**Usage**

```
<lm-peer-information>
  <lm-peer-lmp-control-channels>
    <lm-peer-lmp-control-channel-information>....</lm-peer-lmp-control-channel-information>
  </lm-peer-lmp-control-channels>
</lm-peer-information>
```

**Description** Link management control channels

### <lm-peer-lmp-control-channels>

**Usage**

```
<lm-peer-root-information>
  <lm-peer-information>
    <lm-peer-lmp-control-channels>
      <lm-peer-lmp-control-channel-information>....</lm-peer-lmp-control-channel-information>
    </lm-peer-lmp-control-channels>
  </lm-peer-information>
</lm-peer-root-information>
```

**Description** Link management control channels

### <lm-peer-lmp-control-channels>

**Usage**

```
<lm-information>
  <lm-peer-root-information>
    <lm-peer-information>
      <lm-peer-lmp-control-channels>
        <lm-peer-lmp-control-channel-information>....</lm-peer-lmp-control-channel-information>
      </lm-peer-lmp-control-channels>
    </lm-peer-information>
  </lm-peer-root-information>
</lm-information>
```

```
    </lm-peer-information>
  </lm-peer-root-information>
</lm-information>
```

**Description** Link management control channels

### <lm-peer-root-information>

**Usage**

```
<lm-peer-root-information>
  <lm-peer-information>....</lm-peer-information>
</lm-peer-root-information>
```

**Description**

### <lm-peer-root-information>

**Usage**

```
<lm-information>
  <lm-peer-root-information>
    <lm-peer-information>....</lm-peer-information>
  </lm-peer-root-information>
</lm-information>
```

**Description**

### <lm-peer-statistics>

**Usage**

```
<lm-statistics-information>
  <lm-peer-statistics>
    <lm-peer-name>
      lm-peer-name
    </lm-peer-name>
    <lm-input-statistics>....</lm-input-statistics>
    <lm-output-statistics>....</lm-output-statistics>
  </lm-peer-statistics>
</lm-statistics-information>
```

**Description**

### <lm-peer-te-link-information>

**Usage**

```
<lm-peer-te-links>
  <lm-peer-te-link-information>
    <lm-peer-te-link>
      lm-peer-te-link
    </lm-peer-te-link>
  </lm-peer-te-link-information>
```

</lm-peer-te-links>

**Description** Link management peer TE link information

### <lm-peer-te-link-information>

#### Usage

```
<lm-peer-information>
  <lm-peer-te-links>
    <lm-peer-te-link-information>
      <lm-peer-te-link>
        lm-peer-te-link
      </lm-peer-te-link>
    </lm-peer-te-link-information>
  </lm-peer-te-links>
</lm-peer-information>
```

**Description** Link management peer TE link information

### <lm-peer-te-link-information>

#### Usage

```
<lm-peer-root-information>
  <lm-peer-information>
    <lm-peer-te-links>
      <lm-peer-te-link-information>
        <lm-peer-te-link>
          lm-peer-te-link
        </lm-peer-te-link>
      </lm-peer-te-link-information>
    </lm-peer-te-links>
  </lm-peer-information>
</lm-peer-root-information>
```

**Description** Link management peer TE link information

### <lm-peer-te-link-information>

#### Usage

```
<lm-information>
  <lm-peer-root-information>
    <lm-peer-information>
      <lm-peer-te-links>
        <lm-peer-te-link-information>
          <lm-peer-te-link>
            lm-peer-te-link
          </lm-peer-te-link>
        </lm-peer-te-link-information>
      </lm-peer-te-links>
    </lm-peer-information>
  </lm-peer-root-information>
```

</lm-information>

**Description** Link management peer TE link information

### <lm-peer-te-links>

#### Usage

```
<lm-peer-te-links>
  <lm-peer-te-link-information>....</lm-peer-te-link-information>
</lm-peer-te-links>
```

**Description** Link management peer TE links

### <lm-peer-te-links>

#### Usage

```
<lm-peer-information>
  <lm-peer-te-links>
    <lm-peer-te-link-information>....</lm-peer-te-link-information>
  </lm-peer-te-links>
</lm-peer-information>
```

**Description** Link management peer TE links

### <lm-peer-te-links>

#### Usage

```
<lm-peer-root-information>
  <lm-peer-information>
    <lm-peer-te-links>
      <lm-peer-te-link-information>....</lm-peer-te-link-information>
    </lm-peer-te-links>
  </lm-peer-information>
</lm-peer-root-information>
```

**Description** Link management peer TE links

### <lm-peer-te-links>

#### Usage

```
<lm-information>
  <lm-peer-root-information>
    <lm-peer-information>
      <lm-peer-te-links>
        <lm-peer-te-link-information>....</lm-peer-te-link-information>
      </lm-peer-te-links>
    </lm-peer-information>
  </lm-peer-root-information>
```

</lm-information>

**Description** Link management peer TE links

### <lm-received-bad-packets>

#### Usage

```
<lm-statistics-information>
  <lm-peer-statistics>
    <lm-input-statistics>
      <lm-received-bad-packets>
        <lm-packet-type>
          lm-packet-type
        </lm-packet-type>
        <lm-packet-count>
          lm-packet-count
        </lm-packet-count>
      </lm-received-bad-packets>
    </lm-input-statistics>
  </lm-peer-statistics>
</lm-statistics-information>
```

**Description** Number of bad packets received

### <lm-received-misordered-packets>

#### Usage

```
<lm-statistics-information>
  <lm-peer-statistics>
    <lm-input-statistics>
      <lm-received-misordered-packets>
        <lm-packet-type>
          lm-packet-type
        </lm-packet-type>
        <lm-packet-count>
          lm-packet-count
        </lm-packet-count>
      </lm-received-misordered-packets>
    </lm-input-statistics>
  </lm-peer-statistics>
</lm-statistics-information>
```

**Description** Number of out-of-order packets received

### <lm-received-packets>

#### Usage

```
<lm-statistics-information>
  <lm-peer-statistics>
    <lm-input-statistics>
      <lm-received-packets>
```

```

    <lm-packet-type>
      lm-packet-type
    </lm-packet-type>
    <lm-packet-count>
      lm-packet-count
    </lm-packet-count>
  </lm-received-packets>
</lm-input-statistics>
</lm-peer-statistics>
</lm-statistics-information>

```

**Description** Number of packets received

## <lm-resource>

### Usage

```

<lm-resource-root-information>
  <lm-resource>
    <lm-resource-name>
      lm-resource-name
    </lm-resource-name>
    <lm-resource-type>
      lm-resource-type
    </lm-resource-type>
    <lm-resource-state>
      lm-resource-state
    </lm-resource-state>
    <lm-sys-id>
      lm-sys-id
    </lm-sys-id>
    <lm-resource-max-allocations>
      lm-resource-max-allocations
    </lm-resource-max-allocations>
    <lm-resource-bandwidth>
      lm-resource-bandwidth
    </lm-resource-bandwidth>
    <lm-resource-traffic-params>
      lm-resource-traffic-params
    </lm-resource-traffic-params>
  </lm-resource>
</lm-resource-root-information>

```

**Description**

## <lm-resource>

### Usage

```

<lm-information>
  <lm-resource-root-information>
    <lm-resource>
      <lm-resource-name>
        lm-resource-name
      </lm-resource-name>
    </lm-resource>
  </lm-resource-root-information>

```

```
<lm-resource-type>
  lm-resource-type
</lm-resource-type>
<lm-resource-state>
  lm-resource-state
</lm-resource-state>
<lm-sys-id>
  lm-sys-id
</lm-sys-id>
<lm-resource-max-allocations>
  lm-resource-max-allocations
</lm-resource-max-allocations>
<lm-resource-bandwidth>
  lm-resource-bandwidth
</lm-resource-bandwidth>
<lm-resource-traffic-params>
  lm-resource-traffic-params
</lm-resource-traffic-params>
</lm-resource>
</lm-resource-root-information>
</lm-information>
```

#### Description

### <lm-resource-allocation-context>

#### Usage

```
<lm-resource-allocation-context>
  <lm-allocated-bandwidth>
    lm-allocated-bandwidth
  </lm-allocated-bandwidth>
  <lm-allocated-lsp-name>
    lm-allocated-lsp-name
  </lm-allocated-lsp-name>
  <lm-local-label>
    lm-local-label
  </lm-local-label>
  <lm-remote-label>
    lm-remote-label
  </lm-remote-label>
</lm-resource-allocation-context>
```

#### Description

### <lm-resource-allocation-context>

#### Usage

```
<lm-te-link-resource>
  <lm-resource-allocation-context>
    <lm-allocated-bandwidth>
      lm-allocated-bandwidth
    </lm-allocated-bandwidth>
    <lm-allocated-lsp-name>
      lm-allocated-lsp-name
```



```

</lm-allocated-lsp-name>
<lm-local-label>
  lm-local-label
</lm-local-label>
<lm-remote-label>
  lm-remote-label
</lm-remote-label>
</lm-resource-allocation-context>
</lm-te-link-resource>

```

## Description

### <lm-resource-allocation-context>

#### Usage

```

<lm-te-link-information>
  <lm-te-link-resources>
    <lm-te-link-resource>
      <lm-resource-allocation-context>
        <lm-allocated-bandwidth>
          lm-allocated-bandwidth
        </lm-allocated-bandwidth>
        <lm-allocated-lsp-name>
          lm-allocated-lsp-name
        </lm-allocated-lsp-name>
        <lm-local-label>
          lm-local-label
        </lm-local-label>
        <lm-remote-label>
          lm-remote-label
        </lm-remote-label>
      </lm-resource-allocation-context>
    </lm-te-link-resource>
  </lm-te-link-resources>
</lm-te-link-information>

```

## Description

### <lm-resource-allocation-context>

#### Usage

```

<lm-te-link-root-information>
  <lm-te-link-information>
    <lm-te-link-resources>
      <lm-te-link-resource>
        <lm-resource-allocation-context>
          <lm-allocated-bandwidth>
            lm-allocated-bandwidth
          </lm-allocated-bandwidth>
          <lm-allocated-lsp-name>
            lm-allocated-lsp-name
          </lm-allocated-lsp-name>
          <lm-local-label>
            lm-local-label

```

```
        </lm-local-label>
        <lm-remote-label>
          lm-remote-label
        </lm-remote-label>
      </lm-resource-allocation-context>
    </lm-te-link-resource>
  </lm-te-link-resources>
</lm-te-link-information>
</lm-te-link-root-information>
```

## Description

### <lm-resource-allocation-context>

#### Usage

```
<lm-information>
  <lm-te-link-root-information>
    <lm-te-link-information>
      <lm-te-link-resources>
        <lm-te-link-resource>
          <lm-resource-allocation-context>
            <lm-allocated-bandwidth>
              lm-allocated-bandwidth
            </lm-allocated-bandwidth>
            <lm-allocated-lsp-name>
              lm-allocated-lsp-name
            </lm-allocated-lsp-name>
            <lm-local-label>
              lm-local-label
            </lm-local-label>
            <lm-remote-label>
              lm-remote-label
            </lm-remote-label>
          </lm-resource-allocation-context>
        </lm-te-link-resource>
      </lm-te-link-resources>
    </lm-te-link-information>
  </lm-te-link-root-information>
</lm-information>
```

## Description

### <lm-resource-root-information>

#### Usage

```
<lm-resource-root-information>
  <lm-source>
    lm-source
  </lm-source>
  <lm-resource>....</lm-resource>
</lm-resource-root-information>
```

## Description

### <lm-resource-root-information>

#### Usage

```

<lm-information>
  <lm-resource-root-information>
    <lm-source>
      lm-source
    </lm-source>
    <lm-resource>....</lm-resource>
  </lm-resource-root-information>
</lm-information>

```

#### Description

### <lm-retransmit-packets>

#### Usage

```

<lm-statistics-information>
  <lm-peer-statistics>
    <lm-output-statistics>
      <lm-retransmit-packets>
        <lm-packet-type>
          lm-packet-type
        </lm-packet-type>
        <lm-packet-count>
          lm-packet-count
        </lm-packet-count>
      </lm-retransmit-packets>
    </lm-output-statistics>
  </lm-peer-statistics>
</lm-statistics-information>

```

**Description**    Number of packets retransmitted

### <lm-sent-packets>

#### Usage

```

<lm-statistics-information>
  <lm-peer-statistics>
    <lm-output-statistics>
      <lm-sent-packets>
        <lm-packet-type>
          lm-packet-type
        </lm-packet-type>
        <lm-packet-count>
          lm-packet-count
        </lm-packet-count>
      </lm-sent-packets>
    </lm-output-statistics>
  </lm-peer-statistics>
</lm-statistics-information>

```

**Description**    Number of packets sent

### <lm-statistics-information>

#### Usage

```
<lm-statistics-information>
  <lm-peer-statistics>....</lm-peer-statistics>
</lm-statistics-information>
```

#### Description

### <lm-te-link-information>

#### Usage

```
<lm-te-link-information>
  <lm-te-link-name>
    lm-te-link-name
  </lm-te-link-name>
  <lm-local-id>
    lm-local-id
  </lm-local-id>
  <lm-remote-id>
    lm-remote-id
  </lm-remote-id>
  <lm-state>
    lm-state
  </lm-state>
  <lm-te-link-flags>
    lm-te-link-flags
  </lm-te-link-flags>
  <lm-te-link-local-flags>....</lm-te-link-local-flags>
  <lm-local-address>
    lm-local-address
  </lm-local-address>
  <lm-remote-address>
    lm-remote-address
  </lm-remote-address>
  <lm-encoding>
    lm-encoding
  </lm-encoding>
  <lm-switching>
    lm-switching
  </lm-switching>
  <lm-min-bandwidth>
    lm-min-bandwidth
  </lm-min-bandwidth>
  <lm-max-bandwidth>
    lm-max-bandwidth
  </lm-max-bandwidth>
  <lm-total-bandwidth>
    lm-total-bandwidth
  </lm-total-bandwidth>
  <lm-avail-bandwidth>
    lm-avail-bandwidth
```

```

</lm-avail-bandwidth>
<lm-te-link-resources>....</lm-te-link-resources>
</lm-te-link-information>

```

## Description

### <lm-te-link-information>

#### Usage

```

<lm-te-link-root-information>
<lm-te-link-information>
  <lm-te-link-name>
    lm-te-link-name
  </lm-te-link-name>
  <lm-local-id>
    lm-local-id
  </lm-local-id>
  <lm-remote-id>
    lm-remote-id
  </lm-remote-id>
  <lm-state>
    lm-state
  </lm-state>
  <lm-te-link-flags>
    lm-te-link-flags
  </lm-te-link-flags>
  <lm-te-link-local-flags>....</lm-te-link-local-flags>
  <lm-local-address>
    lm-local-address
  </lm-local-address>
  <lm-remote-address>
    lm-remote-address
  </lm-remote-address>
  <lm-encoding>
    lm-encoding
  </lm-encoding>
  <lm-switching>
    lm-switching
  </lm-switching>
  <lm-min-bandwidth>
    lm-min-bandwidth
  </lm-min-bandwidth>
  <lm-max-bandwidth>
    lm-max-bandwidth
  </lm-max-bandwidth>
  <lm-total-bandwidth>
    lm-total-bandwidth
  </lm-total-bandwidth>
  <lm-avail-bandwidth>
    lm-avail-bandwidth
  </lm-avail-bandwidth>
  <lm-te-link-resources>....</lm-te-link-resources>
</lm-te-link-information>
</lm-te-link-root-information>

```

## Description

### <lm-te-link-information>

#### Usage

```
<lm-information>
  <lm-te-link-root-information>
    <lm-te-link-information>
      <lm-te-link-name>
        lm-te-link-name
      </lm-te-link-name>
      <lm-local-id>
        lm-local-id
      </lm-local-id>
      <lm-remote-id>
        lm-remote-id
      </lm-remote-id>
      <lm-state>
        lm-state
      </lm-state>
      <lm-te-link-flags>
        lm-te-link-flags
      </lm-te-link-flags>
      <lm-te-link-local-flags>....</lm-te-link-local-flags>
      <lm-local-address>
        lm-local-address
      </lm-local-address>
      <lm-remote-address>
        lm-remote-address
      </lm-remote-address>
      <lm-encoding>
        lm-encoding
      </lm-encoding>
      <lm-switching>
        lm-switching
      </lm-switching>
      <lm-min-bandwidth>
        lm-min-bandwidth
      </lm-min-bandwidth>
      <lm-max-bandwidth>
        lm-max-bandwidth
      </lm-max-bandwidth>
      <lm-total-bandwidth>
        lm-total-bandwidth
      </lm-total-bandwidth>
      <lm-avail-bandwidth>
        lm-avail-bandwidth
      </lm-avail-bandwidth>
      <lm-te-link-resources>....</lm-te-link-resources>
    </lm-te-link-information>
  </lm-te-link-root-information>
</lm-information>
```

## Description

### <lm-te-link-local-flags>

#### Usage

```

<lm-te-link-local-flags>
  <lm-te-link-nack-sent-flag>
    lm-te-link-nack-sent-flag
  </lm-te-link-nack-sent-flag>
</lm-te-link-local-flags>

```

#### Description

### <lm-te-link-local-flags>

#### Usage

```

<lm-te-link-information>
  <lm-te-link-local-flags>
    <lm-te-link-nack-sent-flag>
      lm-te-link-nack-sent-flag
    </lm-te-link-nack-sent-flag>
  </lm-te-link-local-flags>
</lm-te-link-information>

```

#### Description

### <lm-te-link-local-flags>

#### Usage

```

<lm-te-link-root-information>
  <lm-te-link-information>
    <lm-te-link-local-flags>
      <lm-te-link-nack-sent-flag>
        lm-te-link-nack-sent-flag
      </lm-te-link-nack-sent-flag>
    </lm-te-link-local-flags>
  </lm-te-link-information>
</lm-te-link-root-information>

```

#### Description

### <lm-te-link-local-flags>

#### Usage

```

<lm-information>
  <lm-te-link-root-information>
    <lm-te-link-information>
      <lm-te-link-local-flags>
        <lm-te-link-nack-sent-flag>
          lm-te-link-nack-sent-flag
        </lm-te-link-nack-sent-flag>
      </lm-te-link-local-flags>
    </lm-te-link-information>
  </lm-te-link-root-information>

```

</lm-information>

## Description

### <lm-te-link-resource>

#### Usage

```
<lm-te-link-resource>
  <lm-resource-name>
    lm-resource-name
  </lm-resource-name>
  <lm-resource-type>
    lm-resource-type
  </lm-resource-type>
  <lm-sys-id>
    lm-sys-id
  </lm-sys-id>
  <lm-resource-state>
    lm-resource-state
  </lm-resource-state>
  <lm-resource-flags>
    lm-resource-flags
  </lm-resource-flags>
  <lm-resource-local-id>
    lm-resource-local-id
  </lm-resource-local-id>
  <lm-resource-remote-id>
    lm-resource-remote-id
  </lm-resource-remote-id>
  <lm-resource-local-addr>
    lm-resource-local-addr
  </lm-resource-local-addr>
  <lm-resource-remote-addr>
    lm-resource-remote-addr
  </lm-resource-remote-addr>
  <lm-resource-bandwidth>
    lm-resource-bandwidth
  </lm-resource-bandwidth>
  <lm-resource-avail-bandwidth>
    lm-resource-avail-bandwidth
  </lm-resource-avail-bandwidth>
  <lm-resource-traffic-params>
    lm-resource-traffic-params
  </lm-resource-traffic-params>
  <lm-resource-max-allocations>
    lm-resource-max-allocations
  </lm-resource-max-allocations>
  <lm-resource-num-allocations>
    lm-resource-num-allocations
  </lm-resource-num-allocations>
  <lm-resource-in-use>
    lm-resource-in-use
  </lm-resource-in-use>
  <lm-resource-lsp-name>
    lm-resource-lsp-name
```



```

</lm-resource-lsp-name>
<lm-resource-allocation-context>....</lm-resource-allocation-context>
</lm-te-link-resource>

```

## Description

### <lm-te-link-resource>

#### Usage

```

<lm-te-link-information>
<lm-te-link-resources>
  <lm-te-link-resource>
    <lm-resource-name>
      lm-resource-name
    </lm-resource-name>
    <lm-resource-type>
      lm-resource-type
    </lm-resource-type>
    <lm-sys-id>
      lm-sys-id
    </lm-sys-id>
    <lm-resource-state>
      lm-resource-state
    </lm-resource-state>
    <lm-resource-flags>
      lm-resource-flags
    </lm-resource-flags>
    <lm-resource-local-id>
      lm-resource-local-id
    </lm-resource-local-id>
    <lm-resource-remote-id>
      lm-resource-remote-id
    </lm-resource-remote-id>
    <lm-resource-local-addr>
      lm-resource-local-addr
    </lm-resource-local-addr>
    <lm-resource-remote-addr>
      lm-resource-remote-addr
    </lm-resource-remote-addr>
    <lm-resource-bandwidth>
      lm-resource-bandwidth
    </lm-resource-bandwidth>
    <lm-resource-avail-bandwidth>
      lm-resource-avail-bandwidth
    </lm-resource-avail-bandwidth>
    <lm-resource-traffic-params>
      lm-resource-traffic-params
    </lm-resource-traffic-params>
    <lm-resource-max-allocations>
      lm-resource-max-allocations
    </lm-resource-max-allocations>
    <lm-resource-num-allocations>
      lm-resource-num-allocations
    </lm-resource-num-allocations>
    <lm-resource-in-use>

```

```
    lm-resource-in-use
  </lm-resource-in-use>
  <lm-resource-lsp-name>
    lm-resource-lsp-name
  </lm-resource-lsp-name>
  <lm-resource-allocation-context>...</lm-resource-allocation-context>
</lm-te-link-resource>
</lm-te-link-resources>
</lm-te-link-information>
```

## Description

### <lm-te-link-resource>

#### Usage

```
<lm-te-link-root-information>
  <lm-te-link-information>
    <lm-te-link-resources>
      <lm-te-link-resource>
        <lm-resource-name>
          lm-resource-name
        </lm-resource-name>
        <lm-resource-type>
          lm-resource-type
        </lm-resource-type>
        <lm-sys-id>
          lm-sys-id
        </lm-sys-id>
        <lm-resource-state>
          lm-resource-state
        </lm-resource-state>
        <lm-resource-flags>
          lm-resource-flags
        </lm-resource-flags>
        <lm-resource-local-id>
          lm-resource-local-id
        </lm-resource-local-id>
        <lm-resource-remote-id>
          lm-resource-remote-id
        </lm-resource-remote-id>
        <lm-resource-local-addr>
          lm-resource-local-addr
        </lm-resource-local-addr>
        <lm-resource-remote-addr>
          lm-resource-remote-addr
        </lm-resource-remote-addr>
        <lm-resource-bandwidth>
          lm-resource-bandwidth
        </lm-resource-bandwidth>
        <lm-resource-avail-bandwidth>
          lm-resource-avail-bandwidth
        </lm-resource-avail-bandwidth>
        <lm-resource-traffic-params>
          lm-resource-traffic-params
        </lm-resource-traffic-params>
```

```

<lm-resource-max-allocations>
  lm-resource-max-allocations
</lm-resource-max-allocations>
<lm-resource-num-allocations>
  lm-resource-num-allocations
</lm-resource-num-allocations>
<lm-resource-in-use>
  lm-resource-in-use
</lm-resource-in-use>
<lm-resource-lsp-name>
  lm-resource-lsp-name
</lm-resource-lsp-name>
<lm-resource-allocation-context>....</lm-resource-allocation-context>
</lm-te-link-resource>
</lm-te-link-resources>
</lm-te-link-information>
</lm-te-link-root-information>

```

## Description

### <lm-te-link-resource>

#### Usage

```

<lm-information>
<lm-te-link-root-information>
<lm-te-link-information>
<lm-te-link-resources>
<lm-te-link-resource>
  <lm-resource-name>
    lm-resource-name
  </lm-resource-name>
  <lm-resource-type>
    lm-resource-type
  </lm-resource-type>
  <lm-sys-id>
    lm-sys-id
  </lm-sys-id>
  <lm-resource-state>
    lm-resource-state
  </lm-resource-state>
  <lm-resource-flags>
    lm-resource-flags
  </lm-resource-flags>
  <lm-resource-local-id>
    lm-resource-local-id
  </lm-resource-local-id>
  <lm-resource-remote-id>
    lm-resource-remote-id
  </lm-resource-remote-id>
  <lm-resource-local-addr>
    lm-resource-local-addr
  </lm-resource-local-addr>
  <lm-resource-remote-addr>
    lm-resource-remote-addr
  </lm-resource-remote-addr>

```

```
<lm-resource-bandwidth>
  lm-resource-bandwidth
</lm-resource-bandwidth>
<lm-resource-avail-bandwidth>
  lm-resource-avail-bandwidth
</lm-resource-avail-bandwidth>
<lm-resource-traffic-params>
  lm-resource-traffic-params
</lm-resource-traffic-params>
<lm-resource-max-allocations>
  lm-resource-max-allocations
</lm-resource-max-allocations>
<lm-resource-num-allocations>
  lm-resource-num-allocations
</lm-resource-num-allocations>
<lm-resource-in-use>
  lm-resource-in-use
</lm-resource-in-use>
<lm-resource-lsp-name>
  lm-resource-lsp-name
</lm-resource-lsp-name>
<lm-resource-allocation-context>....</lm-resource-allocation-context>
</lm-te-link-resource>
</lm-te-link-resources>
</lm-te-link-information>
</lm-te-link-root-information>
</lm-information>
```

#### Description

### <lm-te-link-resources>

#### Usage

```
<lm-te-link-information>
  <lm-te-link-resources>
    <lm-te-link-resource>....</lm-te-link-resource>
  </lm-te-link-resources>
</lm-te-link-information>
```

#### Description

### <lm-te-link-resources>

#### Usage

```
<lm-te-link-root-information>
  <lm-te-link-information>
    <lm-te-link-resources>
      <lm-te-link-resource>....</lm-te-link-resource>
    </lm-te-link-resources>
  </lm-te-link-information>
</lm-te-link-root-information>
```

#### Description

## <lm-te-link-resources>

### Usage

```

<lm-information>
  <lm-te-link-root-information>
    <lm-te-link-information>
      <lm-te-link-resources>
        <lm-te-link-resource>....</lm-te-link-resource>
      </lm-te-link-resources>
    </lm-te-link-information>
  </lm-te-link-root-information>
</lm-information>

```

### Description

## <lm-te-link-root-information>

### Usage

```

<lm-te-link-root-information>
  <lm-te-link-information>....</lm-te-link-information>
</lm-te-link-root-information>

```

### Description

## <lm-te-link-root-information>

### Usage

```

<lm-information>
  <lm-te-link-root-information>
    <lm-te-link-information>....</lm-te-link-information>
  </lm-te-link-root-information>
</lm-information>

```

### Description

## <lm-tossed-packets>

### Usage

```

<lm-statistics-information>
  <lm-peer-statistics>
    <lm-output-statistics>
      <lm-tossed-packets>
        <lm-packet-type>
          lm-packet-type
        </lm-packet-type>
        <lm-packet-count>
          lm-packet-count
        </lm-packet-count>
      </lm-tossed-packets>
    </lm-output-statistics>
  </lm-peer-statistics>

```

</lm-statistics-information>

**Description**    Number of messages which failed retransmission

## <local-asn>

### Usage

```
<aspath-domain>
  <local-asn>
    <asn>
      asn
    </asn>
  <as-loops>
    as-loops
  </as-loops>
</local-asn>
</aspath-domain>
```

### Description

## <local-asn>

### Usage

```
<juniper-routing-aspath>
  <aspath-domain>
    <local-asn>
      <asn>
        asn
      </asn>
      <as-loops>
        as-loops
      </as-loops>
    </local-asn>
  </aspath-domain>
</juniper-routing-aspath>
```

### Description

## <local-interface>

### Usage

```
<connection>
  <local-interface>
    <interface-name>
      interface-name
    </interface-name>
    <interface-status>
      interface-status
    </interface-status>
    <interface-encapsulation>
      interface-encapsulation
    </interface-encapsulation>
```

```

<working-status>
  working-status
</working-status>
<profile-name>
  profile-name
</profile-name>
<profile-varset-name>
  profile-varset-name
</profile-varset-name>
<interface-description>
  interface-description
</interface-description>
</local-interface>
</connection>

```

**Description****<local-interface>****Usage**

```

<mesh-group-connection>
<connection>
  <local-interface>
    <interface-name>
      interface-name
    </interface-name>
    <interface-status>
      interface-status
    </interface-status>
    <interface-encapsulation>
      interface-encapsulation
    </interface-encapsulation>
    <working-status>
      working-status
    </working-status>
    <profile-name>
      profile-name
    </profile-name>
    <profile-varset-name>
      profile-varset-name
    </profile-varset-name>
    <interface-description>
      interface-description
    </interface-description>
  </local-interface>
</connection>
</mesh-group-connection>

```

**Description****<local-interface>****Usage**

```

<instance>

```

```
<reference-site>
  <connection>
    <local-interface>
      <interface-name>
        interface-name
      </interface-name>
      <interface-status>
        interface-status
      </interface-status>
      <interface-encapsulation>
        interface-encapsulation
      </interface-encapsulation>
      <working-status>
        working-status
      </working-status>
      <profile-name>
        profile-name
      </profile-name>
      <profile-varset-name>
        profile-varset-name
      </profile-varset-name>
      <interface-description>
        interface-description
      </interface-description>
    </local-interface>
  </connection>
</reference-site>
</instance>
```

## Description

### <local-interface>

#### Usage

```
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
          <profile-name>
            profile-name
          </profile-name>
          <profile-varset-name>
```



```

        profile-varset-name
      </profile-varset-name>
      <interface-description>
        interface-description
      </interface-description>
    </local-interface>
  </connection>
</mesh-group-connection>
</reference-site>
</instance>

```

## Description

### <local-interface>

#### Usage

```

<instance>
  <ldp-vpls-reference-site>
    <connection>
      <local-interface>
        <interface-name>
          interface-name
        </interface-name>
        <interface-status>
          interface-status
        </interface-status>
        <interface-encapsulation>
          interface-encapsulation
        </interface-encapsulation>
        <working-status>
          working-status
        </working-status>
        <profile-name>
          profile-name
        </profile-name>
        <profile-varset-name>
          profile-varset-name
        </profile-varset-name>
        <interface-description>
          interface-description
        </interface-description>
      </local-interface>
    </connection>
  </ldp-vpls-reference-site>
</instance>

```

## Description

### <local-interface>

#### Usage

```

<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>

```

```
<connection>
  <local-interface>
    <interface-name>
      interface-name
    </interface-name>
    <interface-status>
      interface-status
    </interface-status>
    <interface-encapsulation>
      interface-encapsulation
    </interface-encapsulation>
    <working-status>
      working-status
    </working-status>
    <profile-name>
      profile-name
    </profile-name>
    <profile-varset-name>
      profile-varset-name
    </profile-varset-name>
    <interface-description>
      interface-description
    </interface-description>
  </local-interface>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
```

## Description

### <local-interface>

#### Usage

```
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
          <profile-name>
            profile-name
          </profile-name>
          <profile-varset-name>
```

```

        profile-varset-name
      </profile-varset-name>
    <interface-description>
      interface-description
    </interface-description>
  </local-interface>
</connection>
</mesh-group-connection>
</vpls-protocol-state>
</instance>

```

## Description

### <local-interface>

#### Usage

```

<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
          <profile-name>
            profile-name
          </profile-name>
          <profile-varset-name>
            profile-varset-name
          </profile-varset-name>
          <interface-description>
            interface-description
          </interface-description>
        </local-interface>
      </connection>
    </reference-site>
  </vpls-protocol-state>
</instance>

```

## Description

### <local-interface>

#### Usage

```

<instance>

```

```
<vpls-protocol-state>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
          <profile-name>
            profile-name
          </profile-name>
          <profile-varset-name>
            profile-varset-name
          </profile-varset-name>
          <interface-description>
            interface-description
          </interface-description>
        </local-interface>
      </connection>
    </mesh-group-connection>
  </reference-site>
</vpls-protocol-state>
</instance>
```

## Description

### <local-interface>

#### Usage

```
<l2vpn-connection-information>
  <instance>
    <reference-site>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
```

```

    <profile-name>
      profile-name
    </profile-name>
    <profile-varset-name>
      profile-varset-name
    </profile-varset-name>
    <interface-description>
      interface-description
    </interface-description>
  </local-interface>
</connection>
</reference-site>
</instance>
</l2vpn-connection-information>

```

## Description

### <local-interface>

#### Usage

```

<l2vpn-connection-information>
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
          <profile-name>
            profile-name
          </profile-name>
          <profile-varset-name>
            profile-varset-name
          </profile-varset-name>
          <interface-description>
            interface-description
          </interface-description>
        </local-interface>
      </connection>
    </mesh-group-connection>
  </reference-site>
</instance>
</l2vpn-connection-information>

```

**Description****<local-interface>****Usage**

```
<l2vpn-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <local-interface>
        <interface-name>
          interface-name
        </interface-name>
        <interface-status>
          interface-status
        </interface-status>
        <interface-encapsulation>
          interface-encapsulation
        </interface-encapsulation>
        <working-status>
          working-status
        </working-status>
        <profile-name>
          profile-name
        </profile-name>
        <profile-varset-name>
          profile-varset-name
        </profile-varset-name>
        <interface-description>
          interface-description
        </interface-description>
      </local-interface>
    </connection>
  </ldp-vpls-reference-site>
</instance>
</l2vpn-connection-information>
```

**Description****<local-interface>****Usage**

```
<l2vpn-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
```

```

        interface-encapsulation
      </interface-encapsulation>
    <working-status>
      working-status
    </working-status>
    <profile-name>
      profile-name
    </profile-name>
    <profile-varset-name>
      profile-varset-name
    </profile-varset-name>
    <interface-description>
      interface-description
    </interface-description>
  </local-interface>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</l2vpn-connection-information>

```

## Description

### <local-interface>

#### Usage

```

<l2vpn-connection-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <local-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
            <interface-encapsulation>
              interface-encapsulation
            </interface-encapsulation>
            <working-status>
              working-status
            </working-status>
            <profile-name>
              profile-name
            </profile-name>
            <profile-varset-name>
              profile-varset-name
            </profile-varset-name>
            <interface-description>
              interface-description
            </interface-description>
          </local-interface>
        </connection>
      </mesh-group-connection>
    </vpls-protocol-state>
  </instance>
</l2vpn-connection-information>

```

```
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</l2vpn-connection-information>
```

#### Description

### <local-interface>

#### Usage

```
<l2vpn-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <local-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
            <interface-encapsulation>
              interface-encapsulation
            </interface-encapsulation>
            <working-status>
              working-status
            </working-status>
            <profile-name>
              profile-name
            </profile-name>
            <profile-varset-name>
              profile-varset-name
            </profile-varset-name>
            <interface-description>
              interface-description
            </interface-description>
          </local-interface>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</l2vpn-connection-information>
```

#### Description

### <local-interface>

#### Usage

```
<l2vpn-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
```



```

<connection>
  <local-interface>
    <interface-name>
      interface-name
    </interface-name>
    <interface-status>
      interface-status
    </interface-status>
    <interface-encapsulation>
      interface-encapsulation
    </interface-encapsulation>
    <working-status>
      working-status
    </working-status>
    <profile-name>
      profile-name
    </profile-name>
    <profile-varset-name>
      profile-varset-name
    </profile-varset-name>
    <interface-description>
      interface-description
    </interface-description>
  </local-interface>
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</l2vpn-connection-information>

```

## Description

### <local-interface>

#### Usage

```

<vpls-connection-information>
  <instance>
    <reference-site>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
          <profile-name>
            profile-name

```

```
</profile-name>
<profile-varset-name>
  profile-varset-name
</profile-varset-name>
<interface-description>
  interface-description
</interface-description>
</local-interface>
</connection>
</reference-site>
</instance>
</vpls-connection-information>
```

## Description

### <local-interface>

#### Usage

```
<vpls-connection-information>
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
          <profile-name>
            profile-name
          </profile-name>
          <profile-varset-name>
            profile-varset-name
          </profile-varset-name>
          <interface-description>
            interface-description
          </interface-description>
        </local-interface>
      </connection>
    </mesh-group-connection>
  </reference-site>
</instance>
</vpls-connection-information>
```

## Description

**<local-interface>****Usage**

```

<vpls-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
          <profile-name>
            profile-name
          </profile-name>
          <profile-varset-name>
            profile-varset-name
          </profile-varset-name>
          <interface-description>
            interface-description
          </interface-description>
        </local-interface>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-connection-information>

```

**Description****<local-interface>****Usage**

```

<vpls-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <local-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
            <interface-encapsulation>
              interface-encapsulation

```

```
</interface-encapsulation>
<working-status>
  working-status
</working-status>
<profile-name>
  profile-name
</profile-name>
<profile-varset-name>
  profile-varset-name
</profile-varset-name>
<interface-description>
  interface-description
</interface-description>
</local-interface>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</vpls-connection-information>
```

## Description

### <local-interface>

#### Usage

```
<vpls-connection-information>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
          <profile-name>
            profile-name
          </profile-name>
          <profile-varset-name>
            profile-varset-name
          </profile-varset-name>
          <interface-description>
            interface-description
          </interface-description>
        </local-interface>
      </connection>
    </mesh-group-connection>
```

```

    </vpls-protocol-state>
  </instance>
</vpls-connection-information>

```

## Description

### <local-interface>

#### Usage

```

<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <local-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
            <interface-encapsulation>
              interface-encapsulation
            </interface-encapsulation>
            <working-status>
              working-status
            </working-status>
            <profile-name>
              profile-name
            </profile-name>
            <profile-varset-name>
              profile-varset-name
            </profile-varset-name>
            <interface-description>
              interface-description
            </interface-description>
          </local-interface>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-connection-information>

```

## Description

### <local-interface>

#### Usage

```

<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>

```

```
<local-interface>
  <interface-name>
    interface-name
  </interface-name>
  <interface-status>
    interface-status
  </interface-status>
  <interface-encapsulation>
    interface-encapsulation
  </interface-encapsulation>
  <working-status>
    working-status
  </working-status>
  <profile-name>
    profile-name
  </profile-name>
  <profile-varset-name>
    profile-varset-name
  </profile-varset-name>
  <interface-description>
    interface-description
  </interface-description>
</local-interface>
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-connection-information>
```

## Description

### <local-interface>

#### Usage

```
<vpls-statistics-information>
  <instance>
    <reference-site>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
          <profile-name>
            profile-name
          </profile-name>
```

```

    <profile-varset-name>
      profile-varset-name
    </profile-varset-name>
    <interface-description>
      interface-description
    </interface-description>
  </local-interface>
</connection>
</reference-site>
</instance>
</vpls-statistics-information>

```

## Description

### <local-interface>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <local-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
            <interface-encapsulation>
              interface-encapsulation
            </interface-encapsulation>
            <working-status>
              working-status
            </working-status>
            <profile-name>
              profile-name
            </profile-name>
            <profile-varset-name>
              profile-varset-name
            </profile-varset-name>
            <interface-description>
              interface-description
            </interface-description>
          </local-interface>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>
</vpls-statistics-information>

```

## Description

## <local-interface>

### Usage

```
<vpls-statistics-information>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <local-interface>
        <interface-name>
          interface-name
        </interface-name>
        <interface-status>
          interface-status
        </interface-status>
        <interface-encapsulation>
          interface-encapsulation
        </interface-encapsulation>
        <working-status>
          working-status
        </working-status>
        <profile-name>
          profile-name
        </profile-name>
        <profile-varset-name>
          profile-varset-name
        </profile-varset-name>
        <interface-description>
          interface-description
        </interface-description>
      </local-interface>
    </connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-statistics-information>
```

### Description

## <local-interface>

### Usage

```
<vpls-statistics-information>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
        </local-interface>
      </connection>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-statistics-information>
```



```

    </interface-encapsulation>
    <working-status>
      working-status
    </working-status>
    <profile-name>
      profile-name
    </profile-name>
    <profile-varset-name>
      profile-varset-name
    </profile-varset-name>
    <interface-description>
      interface-description
    </interface-description>
  </local-interface>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</vpls-statistics-information>

```

## Description

### <local-interface>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <local-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
            <interface-encapsulation>
              interface-encapsulation
            </interface-encapsulation>
            <working-status>
              working-status
            </working-status>
            <profile-name>
              profile-name
            </profile-name>
            <profile-varset-name>
              profile-varset-name
            </profile-varset-name>
            <interface-description>
              interface-description
            </interface-description>
          </local-interface>
        </connection>
      </mesh-group-connection>
    
```

```
</vpls-protocol-state>
</instance>
</vpls-statistics-information>
```

## Description

### <local-interface>

#### Usage

```
<vpls-statistics-information>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
          <profile-name>
            profile-name
          </profile-name>
          <profile-varset-name>
            profile-varset-name
          </profile-varset-name>
          <interface-description>
            interface-description
          </interface-description>
        </local-interface>
      </connection>
    </reference-site>
  </vpls-protocol-state>
</instance>
</vpls-statistics-information>
```

## Description

### <local-interface>

#### Usage

```
<vpls-statistics-information>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <mesh-group-connection>
        <connection>
```

```

<local-interface>
  <interface-name>
    interface-name
  </interface-name>
  <interface-status>
    interface-status
  </interface-status>
  <interface-encapsulation>
    interface-encapsulation
  </interface-encapsulation>
  <working-status>
    working-status
  </working-status>
  <profile-name>
    profile-name
  </profile-name>
  <profile-varset-name>
    profile-varset-name
  </profile-varset-name>
  <interface-description>
    interface-description
  </interface-description>
</local-interface>
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-statistics-information>

```

## Description

### <local-interface>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
          <profile-name>
            profile-name
          </profile-name>

```

```
<profile-varset-name>
  profile-varset-name
</profile-varset-name>
<interface-description>
  interface-description
</interface-description>
</local-interface>
</connection>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

## Description

### <local-interface>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
<reference-site>
<mesh-group-connection>
<connection>
  <local-interface>
    <interface-name>
      interface-name
    </interface-name>
    <interface-status>
      interface-status
    </interface-status>
    <interface-encapsulation>
      interface-encapsulation
    </interface-encapsulation>
    <working-status>
      working-status
    </working-status>
    <profile-name>
      profile-name
    </profile-name>
    <profile-varset-name>
      profile-varset-name
    </profile-varset-name>
    <interface-description>
      interface-description
    </interface-description>
  </local-interface>
</connection>
</mesh-group-connection>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

## Description

## <local-interface>

### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
          <profile-name>
            profile-name
          </profile-name>
          <profile-varset-name>
            profile-varset-name
          </profile-varset-name>
          <interface-description>
            interface-description
          </interface-description>
        </local-interface>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

### Description

## <local-interface>

### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <local-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
            <interface-encapsulation>
              interface-encapsulation

```

```
</interface-encapsulation>
<working-status>
  working-status
</working-status>
<profile-name>
  profile-name
</profile-name>
<profile-varset-name>
  profile-varset-name
</profile-varset-name>
<interface-description>
  interface-description
</interface-description>
</local-interface>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

## Description

### <local-interface>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
          <profile-name>
            profile-name
          </profile-name>
          <profile-varset-name>
            profile-varset-name
          </profile-varset-name>
          <interface-description>
            interface-description
          </interface-description>
        </local-interface>
      </connection>
    </mesh-group-connection>
```

```

    </vpls-protocol-state>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

#### Description

#### <local-interface>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <local-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
            <interface-encapsulation>
              interface-encapsulation
            </interface-encapsulation>
            <working-status>
              working-status
            </working-status>
            <profile-name>
              profile-name
            </profile-name>
            <profile-varset-name>
              profile-varset-name
            </profile-varset-name>
            <interface-description>
              interface-description
            </interface-description>
          </local-interface>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

#### Description

#### <local-interface>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>

```

```
<local-interface>
  <interface-name>
    interface-name
  </interface-name>
  <interface-status>
    interface-status
  </interface-status>
  <interface-encapsulation>
    interface-encapsulation
  </interface-encapsulation>
  <working-status>
    working-status
  </working-status>
  <profile-name>
    profile-name
  </profile-name>
  <profile-varset-name>
    profile-varset-name
  </profile-varset-name>
  <interface-description>
    interface-description
  </interface-description>
</local-interface>
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

## Description

### <local-interface>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
          <profile-name>
            profile-name
```



```

    </profile-name>
    <profile-varset-name>
      profile-varset-name
    </profile-varset-name>
    <interface-description>
      interface-description
    </interface-description>
  </local-interface>
</connection>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

## Description

### <local-interface>

#### Usage

```

<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <local-interface>
              <interface-name>
                interface-name
              </interface-name>
              <interface-status>
                interface-status
              </interface-status>
              <interface-encapsulation>
                interface-encapsulation
              </interface-encapsulation>
              <working-status>
                working-status
              </working-status>
              <profile-name>
                profile-name
              </profile-name>
              <profile-varset-name>
                profile-varset-name
              </profile-varset-name>
              <interface-description>
                interface-description
              </interface-description>
            </local-interface>
          </connection>
        </mesh-group-connection>
      </reference-site>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

**Description****<local-interface>****Usage**

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
          <profile-name>
            profile-name
          </profile-name>
          <profile-varset-name>
            profile-varset-name
          </profile-varset-name>
          <interface-description>
            interface-description
          </interface-description>
        </local-interface>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

**Description****<local-interface>****Usage**

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <local-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
```

```

    interface-status
  </interface-status>
  <interface-encapsulation>
    interface-encapsulation
  </interface-encapsulation>
  <working-status>
    working-status
  </working-status>
  <profile-name>
    profile-name
  </profile-name>
  <profile-varset-name>
    profile-varset-name
  </profile-varset-name>
  <interface-description>
    interface-description
  </interface-description>
</local-interface>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

## Description

### <local-interface>

#### Usage

```

<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <vpls-protocol-state>
        <mesh-group-connection>
          <connection>
            <local-interface>
              <interface-name>
                interface-name
              </interface-name>
              <interface-status>
                interface-status
              </interface-status>
              <interface-encapsulation>
                interface-encapsulation
              </interface-encapsulation>
              <working-status>
                working-status
              </working-status>
              <profile-name>
                profile-name
              </profile-name>
              <profile-varset-name>
                profile-varset-name
              </profile-varset-name>
            </local-interface>
          </connection>
        </mesh-group-connection>
      </vpls-protocol-state>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

```
<interface-description>
  interface-description
</interface-description>
</local-interface>
</connection>
</mesh-group-connection>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

## Description

### <local-interface>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
          <profile-name>
            profile-name
          </profile-name>
          <profile-varset-name>
            profile-varset-name
          </profile-varset-name>
          <interface-description>
            interface-description
          </interface-description>
        </local-interface>
      </connection>
    </reference-site>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

## Description

**<local-interface>****Usage**

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <local-interface>
              <interface-name>
                interface-name
              </interface-name>
              <interface-status>
                interface-status
              </interface-status>
              <interface-encapsulation>
                interface-encapsulation
              </interface-encapsulation>
              <working-status>
                working-status
              </working-status>
              <profile-name>
                profile-name
              </profile-name>
              <profile-varset-name>
                profile-varset-name
              </profile-varset-name>
              <interface-description>
                interface-description
              </interface-description>
            </local-interface>
          </connection>
        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

**Description****<local-interface>****Usage**

```

<l2circuit-connection-information>
<l2circuit-neighbor>
  <connection>
    <local-interface>
      <interface-name>
        interface-name
      </interface-name>
      <interface-status>

```

```
    interface-status
  </interface-status>
  <interface-encapsulation>
    interface-encapsulation
  </interface-encapsulation>
  <working-status>
    working-status
  </working-status>
  <profile-name>
    profile-name
  </profile-name>
  <profile-varset-name>
    profile-varset-name
  </profile-varset-name>
  <interface-description>
    interface-description
  </interface-description>
</local-interface>
</connection>
</l2circuit-neighbor>
</l2circuit-connection-information>
```

## Description

### <local-interface>

#### Usage

```
<mvpn-instance-information>
  <instance>
    <reference-site>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
          <profile-name>
            profile-name
          </profile-name>
          <profile-varset-name>
            profile-varset-name
          </profile-varset-name>
          <interface-description>
            interface-description
          </interface-description>
        </local-interface>
      </connection>
```

```

    </reference-site>
  </instance>
</mvpn-instance-information>

```

## Description

### <local-interface>

#### Usage

```

<mvpn-instance-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <local-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
            <interface-encapsulation>
              interface-encapsulation
            </interface-encapsulation>
            <working-status>
              working-status
            </working-status>
            <profile-name>
              profile-name
            </profile-name>
            <profile-varset-name>
              profile-varset-name
            </profile-varset-name>
            <interface-description>
              interface-description
            </interface-description>
          </local-interface>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>
</mvpn-instance-information>

```

## Description

### <local-interface>

#### Usage

```

<mvpn-instance-information>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <local-interface>
          <interface-name>

```

```
    interface-name
  </interface-name>
  <interface-status>
    interface-status
  </interface-status>
  <interface-encapsulation>
    interface-encapsulation
  </interface-encapsulation>
  <working-status>
    working-status
  </working-status>
  <profile-name>
    profile-name
  </profile-name>
  <profile-varset-name>
    profile-varset-name
  </profile-varset-name>
  <interface-description>
    interface-description
  </interface-description>
</local-interface>
</connection>
</ldp-vpls-reference-site>
</instance>
</mvpn-instance-information>
```

## Description

### <local-interface>

#### Usage

```
<mvpn-instance-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <local-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
            <interface-encapsulation>
              interface-encapsulation
            </interface-encapsulation>
            <working-status>
              working-status
            </working-status>
            <profile-name>
              profile-name
            </profile-name>
            <profile-varset-name>
              profile-varset-name
            </profile-varset-name>
```



```

        <interface-description>
            interface-description
        </interface-description>
    </local-interface>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</mvpn-instance-information>

```

## Description

### <local-interface>

#### Usage

```

<mvpn-instance-information>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <local-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
          <working-status>
            working-status
          </working-status>
          <profile-name>
            profile-name
          </profile-name>
          <profile-varset-name>
            profile-varset-name
          </profile-varset-name>
          <interface-description>
            interface-description
          </interface-description>
        </local-interface>
      </connection>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</mvpn-instance-information>

```

## Description

## <local-interface>

### Usage

```
<mvpn-instance-information>
  <instance>
    <vppls-protocol-state>
      <reference-site>
        <connection>
          <local-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
            <interface-encapsulation>
              interface-encapsulation
            </interface-encapsulation>
            <working-status>
              working-status
            </working-status>
            <profile-name>
              profile-name
            </profile-name>
            <profile-varset-name>
              profile-varset-name
            </profile-varset-name>
            <interface-description>
              interface-description
            </interface-description>
          </local-interface>
        </connection>
      </reference-site>
    </vppls-protocol-state>
  </instance>
</mvpn-instance-information>
```

### Description

## <local-interface>

### Usage

```
<mvpn-instance-information>
  <instance>
    <vppls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <local-interface>
              <interface-name>
                interface-name
              </interface-name>
              <interface-status>
                interface-status
              </interface-status>
            </local-interface>
          </connection>
        </mesh-group-connection>
      </reference-site>
    </vppls-protocol-state>
  </instance>
</mvpn-instance-information>
```

```

</interface-status>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
<working-status>
  working-status
</working-status>
<profile-name>
  profile-name
</profile-name>
<profile-varset-name>
  profile-varset-name
</profile-varset-name>
<interface-description>
  interface-description
</interface-description>
</local-interface>
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</mvpn-instance-information>

```

#### Description

#### <log-element>

##### Usage

```

<log-element>
  <timestamp>
    timestamp
  </timestamp>
  <ospf-log-type>
    ospf-log-type
  </ospf-log-type>
  <elapsed-time>
    elapsed-time
  </elapsed-time>
</log-element>

```

#### Description

#### <log-element>

##### Usage

```

<ospf-log-instance>
  <log-element>
    <timestamp>
      timestamp
    </timestamp>
    <ospf-log-type>
      ospf-log-type
    </ospf-log-type>
  </log-element>
</ospf-log-instance>

```

```
<elapsed-time>
  elapsed-time
</elapsed-time>
</log-element>
</ospf-log-instance>
```

#### Description

#### <log-element>

##### Usage

```
<ospf-log-maximum-length>
  <log-element>
    <timestamp>
      timestamp
    </timestamp>
    <ospf-log-type>
      ospf-log-type
    </ospf-log-type>
    <elapsed-time>
      elapsed-time
    </elapsed-time>
  </log-element>
</ospf-log-maximum-length>
```

#### Description

#### <log-element>

##### Usage

```
<ospf-log-events>
  <log-element>
    <timestamp>
      timestamp
    </timestamp>
    <ospf-log-type>
      ospf-log-type
    </ospf-log-type>
    <elapsed-time>
      elapsed-time
    </elapsed-time>
  </log-element>
</ospf-log-events>
```

#### Description

#### <log-element>

##### Usage

```
<ospf-topology-log>
  <ospf-log-instance>
    <log-element>
      <timestamp>
```

```

        timestamp
      </timestamp>
    <ospf-log-type>
      ospf-log-type
    </ospf-log-type>
    <elapsed-time>
      elapsed-time
    </elapsed-time>
  </log-element>
</ospf-log-instance>
</ospf-topology-log>

```

#### Description

**<log-element>**

#### Usage

```

<ospf-topology-log>
  <ospf-log-maximum-length>
    <log-element>
      <timestamp>
        timestamp
      </timestamp>
      <ospf-log-type>
        ospf-log-type
      </ospf-log-type>
      <elapsed-time>
        elapsed-time
      </elapsed-time>
    </log-element>
  </ospf-log-maximum-length>
</ospf-topology-log>

```

#### Description

**<log-element>**

#### Usage

```

<ospf-topology-log>
  <ospf-log-events>
    <log-element>
      <timestamp>
        timestamp
      </timestamp>
      <ospf-log-type>
        ospf-log-type
      </ospf-log-type>
      <elapsed-time>
        elapsed-time
      </elapsed-time>
    </log-element>
  </ospf-log-events>
</ospf-topology-log>

```

**Description****<log-element>****Usage**

```
<ospf-log-information>
  <ospf-topology-log>
    <ospf-log-instance>
      <log-element>
        <timestamp>
          timestamp
        </timestamp>
        <ospf-log-type>
          ospf-log-type
        </ospf-log-type>
        <elapsed-time>
          elapsed-time
        </elapsed-time>
      </log-element>
    </ospf-log-instance>
  </ospf-topology-log>
</ospf-log-information>
```

**Description****<log-element>****Usage**

```
<ospf-log-information>
  <ospf-topology-log>
    <ospf-log-maximum-length>
      <log-element>
        <timestamp>
          timestamp
        </timestamp>
        <ospf-log-type>
          ospf-log-type
        </ospf-log-type>
        <elapsed-time>
          elapsed-time
        </elapsed-time>
      </log-element>
    </ospf-log-maximum-length>
  </ospf-topology-log>
</ospf-log-information>
```

**Description****<log-element>****Usage**

```
<ospf-log-information>
  <ospf-topology-log>
    <ospf-log-events>
```

```

<log-element>
  <timestamp>
    timestamp
  </timestamp>
  <ospf-log-type>
    ospf-log-type
  </ospf-log-type>
  <elapsed-time>
    elapsed-time
  </elapsed-time>
</log-element>
</ospf-log-events>
</ospf-topology-log>
</ospf-log-information>

```

#### Description

<log-element>

#### Usage

```

<ospf3-log-information>
  <ospf-log-instance>
    <log-element>
      <timestamp>
        timestamp
      </timestamp>
      <ospf-log-type>
        ospf-log-type
      </ospf-log-type>
      <elapsed-time>
        elapsed-time
      </elapsed-time>
    </log-element>
  </ospf-log-instance>
</ospf3-log-information>

```

#### Description

<log-element>

#### Usage

```

<ospf3-log-information>
  <ospf-log-maximum-length>
    <log-element>
      <timestamp>
        timestamp
      </timestamp>
      <ospf-log-type>
        ospf-log-type
      </ospf-log-type>
      <elapsed-time>
        elapsed-time
      </elapsed-time>
    </log-element>
  </ospf-log-maximum-length>
</ospf3-log-information>

```

```
</ospf-log-maximum-length>
</ospf3-log-information>
```

**Description****<log-element>****Usage**

```
<ospf3-log-information>
  <ospf-log-events>
    <log-element>
      <timestamp>
        timestamp
      </timestamp>
      <ospf-log-type>
        ospf-log-type
      </ospf-log-type>
      <elapsed-time>
        elapsed-time
      </elapsed-time>
    </log-element>
  </ospf-log-events>
</ospf3-log-information>
```

**Description****<lp-history>****Usage**

```
<rsvp-session-data>
  <rsvp-session>
    <lp-history>
      <sequence-number>
        sequence-number
      </sequence-number>
      <time>
        time
      </time>
      <log>
        log
      </log>
      <route>
        route
      </route>
    </lp-history>
  </rsvp-session>
</rsvp-session-data>
```

**Description**    Log of LSP path-related events



**<lp-history>****Usage**

```

<lp-history>
  <sequence-number>
    sequence-number
  </sequence-number>
  <time>
    time
  </time>
  <log>
    log
  </log>
  <route>
    route
  </route>
</lp-history>

```

**Description** Log of LSP path-related events

**<lp-history>****Usage**

```

<rsvp-session>
  <lp-history>
    <sequence-number>
      sequence-number
    </sequence-number>
    <time>
      time
    </time>
    <log>
      log
    </log>
    <route>
      route
    </route>
  </lp-history>
</rsvp-session>

```

**Description** Log of LSP path-related events

**<lp-history>****Usage**

```

<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <lp-history>
        <sequence-number>
          sequence-number
        </sequence-number>

```

```
<time>
  time
</time>
<log>
  log
</log>
<route>
  route
</route>
</lp-history>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>
```

**Description** Log of LSP path-related events

### <lp-history>

#### Usage

```
<rsvp-interface>
  <bypass-info>
    <lp-history>
      <sequence-number>
        sequence-number
      </sequence-number>
      <time>
        time
      </time>
      <log>
        log
      </log>
      <route>
        route
      </route>
    </lp-history>
  </bypass-info>
</rsvp-interface>
```

**Description** Log of LSP path-related events

### <lp-history>

#### Usage

```
<bypass-info>
  <lp-history>
    <sequence-number>
      sequence-number
    </sequence-number>
    <time>
      time
    </time>
    <log>
```

```

    log
  </log>
<route>
  route
</route>
</lp-history>
</bypass-info>

```

**Description** Log of LSP path-related events

### <lp-history>

#### Usage

```

<rsvp-interface-information>
  <rsvp-interface>
    <bypass-info>
      <lp-history>
        <sequence-number>
          sequence-number
        </sequence-number>
        <time>
          time
        </time>
        <log>
          log
        </log>
        <route>
          route
        </route>
      </lp-history>
    </bypass-info>
  </rsvp-interface>
</rsvp-interface-information>

```

**Description** Log of LSP path-related events

### <lp-history>

#### Usage

```

<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <lp-history>
        <sequence-number>
          sequence-number
        </sequence-number>
        <time>
          time
        </time>
        <log>
          log
        </log>
      </lp-history>
    </rsvp-session>
  </rsvp-session-data>
</mpls-lsp-information>

```

```
<route>
  route
</route>
</lp-history>
</rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>
```

**Description** Log of LSP path-related events

### <lsp-attribute-flags>

#### Usage

```
<rsvp-session-data>
  <rsvp-session>
    <lsp-attribute-flags>
      <non-php>
        non-php
      </non-php>
      <oob>
        oob
      </oob>
    </lsp-attribute-flags>
  </rsvp-session>
</rsvp-session-data>
```

**Description** LSP attribute flags

### <lsp-attribute-flags>

#### Usage

```
<lsp-attribute-flags>
  <non-php>
    non-php
  </non-php>
  <oob>
    oob
  </oob>
</lsp-attribute-flags>
```

**Description** LSP attribute flags

### <lsp-attribute-flags>

#### Usage

```
<rsvp-session>
  <lsp-attribute-flags>
    <non-php>
      non-php
    </non-php>
    <oob>
```

```
    oob
  </oob>
</lsp-attribute-flags>
</rsvp-session>
```

**Description** LSP attribute flags

### <lsp-attribute-flags>

#### Usage

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <lsp-attribute-flags>
        <non-php>
          non-php
        </non-php>
        <oob>
          oob
        </oob>
      </lsp-attribute-flags>
    </rsvp-session>
  </rsvp-session-data>
</rsvp-session-information>
```

**Description** LSP attribute flags

### <lsp-attribute-flags>

#### Usage

```
<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <lsp-attribute-flags>
        <non-php>
          non-php
        </non-php>
        <oob>
          oob
        </oob>
      </lsp-attribute-flags>
    </rsvp-session>
  </rsvp-session-data>
</mpls-lsp-information>
```

**Description** LSP attribute flags

### <mc-stats-interface>

#### Usage

```
<mcast-stats-information>
```

```
<multicast-statistics>
  <mc-stats-interface>
    <interface-name>
      interface-name
    </interface-name>
    <protocol-name>
      protocol-name
    </protocol-name>
    <mc-mismatch-errors>
      mc-mismatch-errors
    </mc-mismatch-errors>
    <mc-mismatches>
      mc-mismatches
    </mc-mismatches>
    <mc-mismatches-no-route>
      mc-mismatches-no-route
    </mc-mismatches-no-route>
    <mc-resolves>
      mc-resolves
    </mc-resolves>
    <mc-routing-notifies>
      mc-routing-notifies
    </mc-routing-notifies>
    <mc-resolves-no-route>
      mc-resolves-no-route
    </mc-resolves-no-route>
    <mc-resolve-errors>
      mc-resolve-errors
    </mc-resolve-errors>
    <mc-resolves-filtered>
      mc-resolves-filtered
    </mc-resolves-filtered>
    <mc-routing-notifies-filtered>
      mc-routing-notifies-filtered
    </mc-routing-notifies-filtered>
    <mc-input-kbytes>
      mc-input-kbytes
    </mc-input-kbytes>
    <mc-input-packets>
      mc-input-packets
    </mc-input-packets>
    <mc-output-kbytes>
      mc-output-kbytes
    </mc-output-kbytes>
    <mc-output-packets>
      mc-output-packets
    </mc-output-packets>
  </mc-stats-interface>
</multicast-statistics>
</multicast-statistics-information>
```

## Description

## <mdt-active-tunnel>

### Usage

```

<pim-mdt-information>
  <mdt-active-tunnel>
    <mdt-customer-source-address>
      mdt-customer-source-address
    </mdt-customer-source-address>
    <mdt-customer-group-address>
      mdt-customer-group-address
    </mdt-customer-group-address>
    <mdt-provider-group-address>
      mdt-provider-group-address
    </mdt-provider-group-address>
    <mdt-tunnel-interface-name>
      mdt-tunnel-interface-name
    </mdt-tunnel-interface-name>
    <mdt-forwarding-rate-kilobits>
      mdt-forwarding-rate-kilobits
    </mdt-forwarding-rate-kilobits>
    <mdt-forwarding-rate-kilobytes>
      mdt-forwarding-rate-kilobytes
    </mdt-forwarding-rate-kilobytes>
    <mdt-configured-threshold-rate>
      mdt-configured-threshold-rate
    </mdt-configured-threshold-rate>
    <mdt-tunnel-uptime>
      mdt-tunnel-uptime
    </mdt-tunnel-uptime>
  <mdt-default-tunnel-information>....</mdt-default-tunnel-information>
</mdt-active-tunnel>
</pim-mdt-information>

```

### Description

## <mdt-default-tunnel-information>

### Usage

```

<pim-mdt-information>
  <mdt-default-tunnel-information>
</mdt-default-tunnel-information>
</pim-mdt-information>

```

### Description

## <mdt-default-tunnel-information>

### Usage

```

<pim-mdt-information>
  <mdt-active-tunnel>
    <mdt-default-tunnel-information>
  </mdt-default-tunnel-information>
</mdt-active-tunnel>

```

</pim-mdt-information>

**Description**

**<mesh-group-connection>**

**Usage**

```
<mesh-group-connection>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <connection>....</connection>
  <connections-summary>....</connections-summary>
</mesh-group-connection>
```

**Description** Information about all vc-connections of a specific mesh-group

**<mesh-group-connection>**

**Usage**

```
<instance>
  <reference-site>
    <mesh-group-connection>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <connection>....</connection>
      <connections-summary>....</connections-summary>
    </mesh-group-connection>
  </reference-site>
</instance>
```

**Description** Information about all vc-connections of a specific mesh-group

**<mesh-group-connection>**

**Usage**

```
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <connection>....</connection>
      <connections-summary>....</connections-summary>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>
```

**Description** Information about all vc-connections of a specific mesh-group



**<mesh-group-connection>****Usage**

```

<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <connection>....</connection>
      <connections-summary>....</connections-summary>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>

```

**Description** Information about all vc-connections of a specific mesh-group

**<mesh-group-connection>****Usage**

```

<instance>
  <vpls-protocol-state>
    <reference-site>
      <mesh-group-connection>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>
        <connection>....</connection>
        <connections-summary>....</connections-summary>
      </mesh-group-connection>
    </reference-site>
  </vpls-protocol-state>
</instance>

```

**Description** Information about all vc-connections of a specific mesh-group

**<mesh-group-connection>****Usage**

```

<l2vpn-connection-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>
        <connection>....</connection>
        <connections-summary>....</connections-summary>
      </mesh-group-connection>
    </reference-site>
  </instance>

```

```
</l2vpn-connection-information>
```

**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```
<l2vpn-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>
        <connection>....</connection>
        <connections-summary>....</connections-summary>
      </mesh-group-connection>
    </ldp-vpls-reference-site>
  </instance>
</l2vpn-connection-information>
```

**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```
<l2vpn-connection-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>
        <connection>....</connection>
        <connections-summary>....</connections-summary>
      </mesh-group-connection>
    </vpls-protocol-state>
  </instance>
</l2vpn-connection-information>
```

**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```
<l2vpn-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <mesh-group-name>
```

```

        mesh-group-name
      </mesh-group-name>
      <connection>....</connection>
      <connections-summary>....</connections-summary>
    </mesh-group-connection>
  </reference-site>
</vpls-protocol-state>
</instance>
</l2vpn-connection-information>

```

**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```

<vpls-connection-information>
<instance>
  <reference-site>
    <mesh-group-connection>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <connection>....</connection>
      <connections-summary>....</connections-summary>
    </mesh-group-connection>
  </reference-site>
</instance>
</vpls-connection-information>

```

**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```

<vpls-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <connection>....</connection>
      <connections-summary>....</connections-summary>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-connection-information>

```

**Description** Information about all vc-connections of a specific mesh-group

## <mesh-group-connection>

### Usage

```
<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>
        <connection>....</connection>
        <connections-summary>....</connections-summary>
      </mesh-group-connection>
    </vpls-protocol-state>
  </instance>
</vpls-connection-information>
```

**Description** Information about all vc-connections of a specific mesh-group

## <mesh-group-connection>

### Usage

```
<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <mesh-group-name>
            mesh-group-name
          </mesh-group-name>
          <connection>....</connection>
          <connections-summary>....</connections-summary>
        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-connection-information>
```

**Description** Information about all vc-connections of a specific mesh-group

## <mesh-group-connection>

### Usage

```
<vpls-statistics-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>
        <connection>....</connection>
        <connections-summary>....</connections-summary>
```

```

    </mesh-group-connection>
  </reference-site>
</instance>
</vpls-statistics-information>

```

**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>
        <connection>....</connection>
        <connections-summary>....</connections-summary>
      </mesh-group-connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-statistics-information>

```

**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>
        <connection>....</connection>
        <connections-summary>....</connections-summary>
      </mesh-group-connection>
    </vpls-protocol-state>
  </instance>
</vpls-statistics-information>

```

**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>

```

```
<reference-site>
  <mesh-group-connection>
    <mesh-group-name>
      mesh-group-name
    </mesh-group-name>
    <connection>....</connection>
    <connections-summary>....</connections-summary>
  </mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-statistics-information>
```

**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <reference-site>
    <mesh-group-connection>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <connection>....</connection>
      <connections-summary>....</connections-summary>
    </mesh-group-connection>
  </reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <connection>....</connection>
      <connections-summary>....</connections-summary>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <connection>....</connection>
      <connections-summary>....</connections-summary>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <mesh-group-connection>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>
        <connection>....</connection>
        <connections-summary>....</connections-summary>
      </mesh-group-connection>
    </reference-site>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <reference-site>
    <mesh-group-connection>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
    </mesh-group-connection>
  </reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

```
</mesh-group-name>
<connection>....</connection>
<connections-summary>....</connections-summary>
</mesh-group-connection>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <connection>....</connection>
      <connections-summary>....</connections-summary>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <connection>....</connection>
      <connections-summary>....</connections-summary>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```



**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <mesh-group-name>
            mesh-group-name
          </mesh-group-name>
          <connection>....</connection>
          <connections-summary>....</connections-summary>
        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```
<mvpn-instance-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>
        <connection>....</connection>
        <connections-summary>....</connections-summary>
      </mesh-group-connection>
    </reference-site>
  </instance>
</mvpn-instance-information>
```

**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```
<mvpn-instance-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <mesh-group-name>
```

```
        mesh-group-name
      </mesh-group-name>
      <connection>....</connection>
      <connections-summary>....</connections-summary>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>
</mvpn-instance-information>
```

**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```
<mvpn-instance-information>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <connection>....</connection>
      <connections-summary>....</connections-summary>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</mvpn-instance-information>
```

**Description** Information about all vc-connections of a specific mesh-group

### <mesh-group-connection>

#### Usage

```
<mvpn-instance-information>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <mesh-group-connection>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>
        <connection>....</connection>
        <connections-summary>....</connections-summary>
      </mesh-group-connection>
    </reference-site>
  </vpls-protocol-state>
</instance>
</mvpn-instance-information>
```

**Description** Information about all vc-connections of a specific mesh-group

**<mesh-group-interfaces>****Usage**

```

<mesh-group-interfaces>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <mesh-group-id>
    mesh-group-id
  </mesh-group-id>
  <mesh-group-state>
    mesh-group-state
  </mesh-group-state>
  <interface>
    interface
  </interface>
</mesh-group-interfaces>

```

**Description** Information about all interfaces associated with a mesh-group

**<mesh-group-interfaces>****Usage**

```

<instance>
  <reference-site>
    <mesh-group-interfaces>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <mesh-group-id>
        mesh-group-id
      </mesh-group-id>
      <mesh-group-state>
        mesh-group-state
      </mesh-group-state>
      <interface>
        interface
      </interface>
    </mesh-group-interfaces>
  </reference-site>
</instance>

```

**Description** Information about all interfaces associated with a mesh-group

**<mesh-group-interfaces>****Usage**

```

<instance>
  <ldp-vpls-reference-site>
    <mesh-group-interfaces>
      <mesh-group-name>
        mesh-group-name

```

```
</mesh-group-name>
<mesh-group-id>
  mesh-group-id
</mesh-group-id>
<mesh-group-state>
  mesh-group-state
</mesh-group-state>
<interface>
  interface
</interface>
</mesh-group-interfaces>
</ldp-vpls-reference-site>
</instance>
```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```
<instance>
<vpls-protocol-state>
  <mesh-group-interfaces>
    <mesh-group-name>
      mesh-group-name
    </mesh-group-name>
    <mesh-group-id>
      mesh-group-id
    </mesh-group-id>
    <mesh-group-state>
      mesh-group-state
    </mesh-group-state>
    <interface>
      interface
    </interface>
  </mesh-group-interfaces>
</vpls-protocol-state>
</instance>
```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```
<instance>
<vpls-protocol-state>
  <reference-site>
    <mesh-group-interfaces>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <mesh-group-id>
        mesh-group-id
    </mesh-group-interfaces>
  </reference-site>
</vpls-protocol-state>
</instance>
```

```

</mesh-group-id>
<mesh-group-state>
  mesh-group-state
</mesh-group-state>
<interface>
  interface
</interface>
</mesh-group-interfaces>
</reference-site>
</vpls-protocol-state>
</instance>

```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```

<l2vpn-connection-information>
<instance>
  <reference-site>
    <mesh-group-interfaces>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <mesh-group-id>
        mesh-group-id
      </mesh-group-id>
      <mesh-group-state>
        mesh-group-state
      </mesh-group-state>
      <interface>
        interface
      </interface>
    </mesh-group-interfaces>
  </reference-site>
</instance>
</l2vpn-connection-information>

```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```

<l2vpn-connection-information>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-interfaces>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <mesh-group-id>
        mesh-group-id

```

```
</mesh-group-id>
<mesh-group-state>
  mesh-group-state
</mesh-group-state>
<interface>
  interface
</interface>
</mesh-group-interfaces>
</ldp-vpls-reference-site>
</instance>
</l2vpn-connection-information>
```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```
<l2vpn-connection-information>
<instance>
  <vpls-protocol-state>
    <mesh-group-interfaces>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <mesh-group-id>
        mesh-group-id
      </mesh-group-id>
      <mesh-group-state>
        mesh-group-state
      </mesh-group-state>
      <interface>
        interface
      </interface>
    </mesh-group-interfaces>
  </vpls-protocol-state>
</instance>
</l2vpn-connection-information>
```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```
<l2vpn-connection-information>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <mesh-group-interfaces>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>
        <mesh-group-id>
```

```

        mesh-group-id
      </mesh-group-id>
      <mesh-group-state>
        mesh-group-state
      </mesh-group-state>
      <interface>
        interface
      </interface>
    </mesh-group-interfaces>
  </reference-site>
</vpls-protocol-state>
</instance>
</l2vpn-connection-information>

```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```

<vpls-connection-information>
  <instance>
    <reference-site>
      <mesh-group-interfaces>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>
        <mesh-group-id>
          mesh-group-id
        </mesh-group-id>
        <mesh-group-state>
          mesh-group-state
        </mesh-group-state>
        <interface>
          interface
        </interface>
      </mesh-group-interfaces>
    </reference-site>
  </instance>
</vpls-connection-information>

```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```

<vpls-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-interfaces>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>

```

```
<mesh-group-id>
  mesh-group-id
</mesh-group-id>
<mesh-group-state>
  mesh-group-state
</mesh-group-state>
<interface>
  interface
</interface>
</mesh-group-interfaces>
</ldp-vpls-reference-site>
</instance>
</vpls-connection-information>
```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```
<vpls-connection-information>
<instance>
  <vpls-protocol-state>
    <mesh-group-interfaces>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <mesh-group-id>
        mesh-group-id
      </mesh-group-id>
      <mesh-group-state>
        mesh-group-state
      </mesh-group-state>
      <interface>
        interface
      </interface>
    </mesh-group-interfaces>
  </vpls-protocol-state>
</instance>
</vpls-connection-information>
```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```
<vpls-connection-information>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <mesh-group-interfaces>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>
      </mesh-group-interfaces>
    </reference-site>
  </vpls-protocol-state>
</instance>
</vpls-connection-information>
```



```

    </mesh-group-name>
    <mesh-group-id>
      mesh-group-id
    </mesh-group-id>
    <mesh-group-state>
      mesh-group-state
    </mesh-group-state>
    <interface>
      interface
    </interface>
  </mesh-group-interfaces>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-connection-information>

```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```

<vpls-statistics-information>
<instance>
  <reference-site>
    <mesh-group-interfaces>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <mesh-group-id>
        mesh-group-id
      </mesh-group-id>
      <mesh-group-state>
        mesh-group-state
      </mesh-group-state>
      <interface>
        interface
      </interface>
    </mesh-group-interfaces>
  </reference-site>
</instance>
</vpls-statistics-information>

```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```

<vpls-statistics-information>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-interfaces>
      <mesh-group-name>

```

```
    mesh-group-name
  </mesh-group-name>
  <mesh-group-id>
    mesh-group-id
  </mesh-group-id>
  <mesh-group-state>
    mesh-group-state
  </mesh-group-state>
  <interface>
    interface
  </interface>
</mesh-group-interfaces>
</ldp-vpls-reference-site>
</instance>
</vpls-statistics-information>
```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```
<vpls-statistics-information>
<instance>
  <vpls-protocol-state>
    <mesh-group-interfaces>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <mesh-group-id>
        mesh-group-id
      </mesh-group-id>
      <mesh-group-state>
        mesh-group-state
      </mesh-group-state>
      <interface>
        interface
      </interface>
    </mesh-group-interfaces>
  </vpls-protocol-state>
</instance>
</vpls-statistics-information>
```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```
<vpls-statistics-information>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <mesh-group-interfaces>
```

```

    <mesh-group-name>
      mesh-group-name
    </mesh-group-name>
    <mesh-group-id>
      mesh-group-id
    </mesh-group-id>
    <mesh-group-state>
      mesh-group-state
    </mesh-group-state>
    <interface>
      interface
    </interface>
  </mesh-group-interfaces>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-statistics-information>

```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <mesh-group-interfaces>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>
        <mesh-group-id>
          mesh-group-id
        </mesh-group-id>
        <mesh-group-state>
          mesh-group-state
        </mesh-group-state>
        <interface>
          interface
        </interface>
      </mesh-group-interfaces>
    </reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>

```

```
<mesh-group-interfaces>
  <mesh-group-name>
    mesh-group-name
  </mesh-group-name>
  <mesh-group-id>
    mesh-group-id
  </mesh-group-id>
  <mesh-group-state>
    mesh-group-state
  </mesh-group-state>
  <interface>
    interface
  </interface>
</mesh-group-interfaces>
</ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <mesh-group-interfaces>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <mesh-group-id>
        mesh-group-id
      </mesh-group-id>
      <mesh-group-state>
        mesh-group-state
      </mesh-group-state>
      <interface>
        interface
      </interface>
    </mesh-group-interfaces>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
```

```

<reference-site>
  <mesh-group-interfaces>
    <mesh-group-name>
      mesh-group-name
    </mesh-group-name>
    <mesh-group-id>
      mesh-group-id
    </mesh-group-id>
    <mesh-group-state>
      mesh-group-state
    </mesh-group-state>
    <interface>
      interface
    </interface>
  </mesh-group-interfaces>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```

<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <reference-site>
        <mesh-group-interfaces>
          <mesh-group-name>
            mesh-group-name
          </mesh-group-name>
          <mesh-group-id>
            mesh-group-id
          </mesh-group-id>
          <mesh-group-state>
            mesh-group-state
          </mesh-group-state>
          <interface>
            interface
          </interface>
        </mesh-group-interfaces>
      </reference-site>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

**Description** Information about all interfaces associated with a mesh-group

## <mesh-group-interfaces>

### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-interfaces>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>
        <mesh-group-id>
          mesh-group-id
        </mesh-group-id>
        <mesh-group-state>
          mesh-group-state
        </mesh-group-state>
        <interface>
          interface
        </interface>
      </mesh-group-interfaces>
    </ldp-vpls-reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

**Description** Information about all interfaces associated with a mesh-group

## <mesh-group-interfaces>

### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <mesh-group-interfaces>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>
        <mesh-group-id>
          mesh-group-id
        </mesh-group-id>
        <mesh-group-state>
          mesh-group-state
        </mesh-group-state>
        <interface>
          interface
        </interface>
      </mesh-group-interfaces>
    </vpls-protocol-state>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

```
</vpls-dynamic-interface-repository-information>
```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <mesh-group-interfaces>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>
        <mesh-group-id>
          mesh-group-id
        </mesh-group-id>
        <mesh-group-state>
          mesh-group-state
        </mesh-group-state>
        <interface>
          interface
        </interface>
      </mesh-group-interfaces>
    </reference-site>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```
<mvpn-instance-information>
<instance>
  <reference-site>
    <mesh-group-interfaces>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <mesh-group-id>
        mesh-group-id
      </mesh-group-id>
      <mesh-group-state>
        mesh-group-state
      </mesh-group-state>
      <interface>
        interface
      </interface>
    </mesh-group-interfaces>
  </reference-site>
</instance>
```

```
</interface>
</mesh-group-interfaces>
</reference-site>
</instance>
</mvpn-instance-information>
```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```
<mvpn-instance-information>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-interfaces>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <mesh-group-id>
        mesh-group-id
      </mesh-group-id>
      <mesh-group-state>
        mesh-group-state
      </mesh-group-state>
      <interface>
        interface
      </interface>
    </mesh-group-interfaces>
  </ldp-vpls-reference-site>
</instance>
</mvpn-instance-information>
```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```
<mvpn-instance-information>
<instance>
  <vpls-protocol-state>
    <mesh-group-interfaces>
      <mesh-group-name>
        mesh-group-name
      </mesh-group-name>
      <mesh-group-id>
        mesh-group-id
      </mesh-group-id>
      <mesh-group-state>
        mesh-group-state
      </mesh-group-state>
      <interface>
        interface
      </interface>
    </mesh-group-interfaces>
  </vpls-protocol-state>
</instance>
</mvpn-instance-information>
```



```

    </interface>
  </mesh-group-interfaces>
</vpls-protocol-state>
</instance>
</mvpn-instance-information>

```

**Description** Information about all interfaces associated with a mesh-group

### <mesh-group-interfaces>

#### Usage

```

<mvpn-instance-information>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <mesh-group-interfaces>
        <mesh-group-name>
          mesh-group-name
        </mesh-group-name>
        <mesh-group-id>
          mesh-group-id
        </mesh-group-id>
        <mesh-group-state>
          mesh-group-state
        </mesh-group-state>
        <interface>
          interface
        </interface>
      </mesh-group-interfaces>
    </reference-site>
  </vpls-protocol-state>
</instance>
</mvpn-instance-information>

```

**Description** Information about all interfaces associated with a mesh-group

### <message-statistics>

#### Usage

```

<message-statistics>
  <rsvp-message>
    rsvp-message
  </rsvp-message>
  <messages-sent>
    messages-sent
  </messages-sent>
  <messages-received>
    messages-received
  </messages-received>
  <messages-sent-5seconds>
    messages-sent-5seconds
  </messages-sent-5seconds>

```

```
<messages-received-5seconds>
  messages-received-5seconds
</messages-received-5seconds>
</message-statistics>
```

**Description** Statistics per RSVP message type

### <message-statistics>

#### Usage

```
<rsvp-statistics-information>
  <message-statistics>
    <rsvp-message>
      rsvp-message
    </rsvp-message>
    <messages-sent>
      messages-sent
    </messages-sent>
    <messages-received>
      messages-received
    </messages-received>
    <messages-sent-5seconds>
      messages-sent-5seconds
    </messages-sent-5seconds>
    <messages-received-5seconds>
      messages-received-5seconds
    </messages-received-5seconds>
  </message-statistics>
</rsvp-statistics-information>
```

**Description** Statistics per RSVP message type

### <message-statistics>

#### Usage

```
<rsvp-interface>
  <message-statistics>
    <rsvp-message>
      rsvp-message
    </rsvp-message>
    <messages-sent>
      messages-sent
    </messages-sent>
    <messages-received>
      messages-received
    </messages-received>
    <messages-sent-5seconds>
      messages-sent-5seconds
    </messages-sent-5seconds>
    <messages-received-5seconds>
      messages-received-5seconds
    </messages-received-5seconds>
```

```

    </message-statistics>
  </rsvp-interface>

```

**Description** Statistics per RSVP message type

### <message-statistics>

#### Usage

```

<rsvp-interface-information>
  <rsvp-interface>
    <message-statistics>
      <rsvp-message>
        rsvp-message
      </rsvp-message>
      <messages-sent>
        messages-sent
      </messages-sent>
      <messages-received>
        messages-received
      </messages-received>
      <messages-sent-5seconds>
        messages-sent-5seconds
      </messages-sent-5seconds>
      <messages-received-5seconds>
        messages-received-5seconds
      </messages-received-5seconds>
    </message-statistics>
  </rsvp-interface>
</rsvp-interface-information>

```

**Description** Statistics per RSVP message type

### <mgm-amt-configured-parameters>

#### Usage

```

<mgm-amt-configured-parameters>
  <query-interval>
    query-interval
  </query-interval>
  <query-response-interval>
    query-response-interval
  </query-response-interval>
  <last-member-query-interval>
    last-member-query-interval
  </last-member-query-interval>
  <robustness-count>
    robustness-count
  </robustness-count>
</mgm-amt-configured-parameters>

```

**Description**

## <mgm-amt-configured-parameters>

### Usage

```
<igmp-interface-information>
  <mgm-amt-configured-parameters>
    <query-interval>
      query-interval
    </query-interval>
    <query-response-interval>
      query-response-interval
    </query-response-interval>
    <last-member-query-interval>
      last-member-query-interval
    </last-member-query-interval>
    <robustness-count>
      robustness-count
    </robustness-count>
  </mgm-amt-configured-parameters>
</igmp-interface-information>
```

### Description

## <mgm-amt-derived-parameters>

### Usage

```
<mgm-amt-derived-parameters>
  <membership-timeout>
    membership-timeout
  </membership-timeout>
  <query-other-timeout>
    query-other-timeout
  </query-other-timeout>
</mgm-amt-derived-parameters>
```

### Description

## <mgm-amt-derived-parameters>

### Usage

```
<igmp-interface-information>
  <mgm-amt-derived-parameters>
    <membership-timeout>
      membership-timeout
    </membership-timeout>
    <query-other-timeout>
      query-other-timeout
    </query-other-timeout>
  </mgm-amt-derived-parameters>
</igmp-interface-information>
```

### Description

**<mgm-configured-parameters>****Usage**

```

<mgm-configured-parameters>
  <query-interval>
    query-interval
  </query-interval>
  <query-response-interval>
    query-response-interval
  </query-response-interval>
  <last-member-query-interval>
    last-member-query-interval
  </last-member-query-interval>
  <robustness-count>
    robustness-count
  </robustness-count>
</mgm-configured-parameters>

```

**Description****<mgm-configured-parameters>****Usage**

```

<igmp-interface-information>
  <mgm-configured-parameters>
    <query-interval>
      query-interval
    </query-interval>
    <query-response-interval>
      query-response-interval
    </query-response-interval>
    <last-member-query-interval>
      last-member-query-interval
    </last-member-query-interval>
    <robustness-count>
      robustness-count
    </robustness-count>
  </mgm-configured-parameters>
</igmp-interface-information>

```

**Description****<mgm-configured-parameters>****Usage**

```

<mld-interface-information>
  <mgm-configured-parameters>
    <query-interval>
      query-interval
    </query-interval>
    <query-response-interval>
      query-response-interval
    </query-response-interval>
  </mgm-configured-parameters>

```

```
<last-member-query-interval>
  last-member-query-interval
</last-member-query-interval>
<robustness-count>
  robustness-count
</robustness-count>
</mgm-configured-parameters>
</mld-interface-information>
```

#### Description

### <mgm-derived-parameters>

#### Usage

```
<mgm-derived-parameters>
  <membership-timeout>
    membership-timeout
  </membership-timeout>
  <query-other-timeout>
    query-other-timeout
  </query-other-timeout>
</mgm-derived-parameters>
```

#### Description

### <mgm-derived-parameters>

#### Usage

```
<igmp-interface-information>
  <mgm-derived-parameters>
    <membership-timeout>
      membership-timeout
    </membership-timeout>
    <query-other-timeout>
      query-other-timeout
    </query-other-timeout>
  </mgm-derived-parameters>
</igmp-interface-information>
```

#### Description

### <mgm-derived-parameters>

#### Usage

```
<mld-interface-information>
  <mgm-derived-parameters>
    <membership-timeout>
      membership-timeout
    </membership-timeout>
    <query-other-timeout>
      query-other-timeout
    </query-other-timeout>
  </mgm-derived-parameters>
```

```
</mld-interface-information>
```

## Description

### <mgm-group>

#### Usage

```
<mgm-interface-groups>
  <mgm-group>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <mgm-source-timeout>
      mgm-source-timeout
    </mgm-source-timeout>
    <last-address>
      last-address
    </last-address>
    <mgm-timeout>
      mgm-timeout
    </mgm-timeout>
    <mgm-type>
      mgm-type
    </mgm-type>
    <mgm-group-mode-type>
      mgm-group-mode-type
    </mgm-group-mode-type>
    <host-record>....</host-record>
    <reverse-oif>....</reverse-oif>
    <mgm-group-output-interface>
      mgm-group-output-interface
    </mgm-group-output-interface>
    <mgm-output-interface-status>
      mgm-output-interface-status
    </mgm-output-interface-status>
  </mgm-group>
</mgm-interface-groups>
```

## Description

### <mgm-group>

#### Usage

```
<igmp-group-information>
  <mgm-interface-groups>
    <mgm-group>
      <multicast-group-address>
        multicast-group-address
      </multicast-group-address>
      <multicast-source-address>
        multicast-source-address
```

```
</multicast-source-address>
<mgm-source-timeout>
  mgm-source-timeout
</mgm-source-timeout>
<last-address>
  last-address
</last-address>
<mgm-timeout>
  mgm-timeout
</mgm-timeout>
<mgm-type>
  mgm-type
</mgm-type>
<mgm-group-mode-type>
  mgm-group-mode-type
</mgm-group-mode-type>
<host-record>....</host-record>
<reverse-oif>....</reverse-oif>
<mgm-group-output-interface>
  mgm-group-output-interface
</mgm-group-output-interface>
<mgm-output-interface-status>
  mgm-output-interface-status
</mgm-output-interface-status>
</mgm-group>
</mgm-interface-groups>
</lgmp-group-information>
```

## Description

### <mgm-group>

#### Usage

```
<mld-group-information>
<mgm-interface-groups>
  <mgm-group>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <mgm-source-timeout>
      mgm-source-timeout
    </mgm-source-timeout>
    <last-address>
      last-address
    </last-address>
    <mgm-timeout>
      mgm-timeout
    </mgm-timeout>
    <mgm-type>
      mgm-type
    </mgm-type>
    <mgm-group-mode-type>
```



```

    mgm-group-mode-type
  </mgm-group-mode-type>
  <host-record>....</host-record>
  <reverse-oif>....</reverse-oif>
  <mgm-group-output-interface>
    mgm-group-output-interface
  </mgm-group-output-interface>
  <mgm-output-interface-status>
    mgm-output-interface-status
  </mgm-output-interface-status>
</mgm-group>
</mgm-interface-groups>
</mld-group-information>

```

## Description

### <mgm-group>

#### Usage

```

<amt-tunnel>
  <mgm-group>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <mgm-source-timeout>
      mgm-source-timeout
    </mgm-source-timeout>
    <last-address>
      last-address
    </last-address>
    <mgm-timeout>
      mgm-timeout
    </mgm-timeout>
    <mgm-type>
      mgm-type
    </mgm-type>
    <mgm-group-mode-type>
      mgm-group-mode-type
    </mgm-group-mode-type>
    <host-record>....</host-record>
    <reverse-oif>....</reverse-oif>
    <mgm-group-output-interface>
      mgm-group-output-interface
    </mgm-group-output-interface>
    <mgm-output-interface-status>
      mgm-output-interface-status
    </mgm-output-interface-status>
  </mgm-group>
</amt-tunnel>

```

## Description

## <mgm-group>

### Usage

```
<amt-tunnel-information>
<amt-tunnel>
  <mgm-group>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <mgm-source-timeout>
      mgm-source-timeout
    </mgm-source-timeout>
    <last-address>
      last-address
    </last-address>
    <mgm-timeout>
      mgm-timeout
    </mgm-timeout>
    <mgm-type>
      mgm-type
    </mgm-type>
    <mgm-group-mode-type>
      mgm-group-mode-type
    </mgm-group-mode-type>
    <host-record>....</host-record>
    <reverse-oif>....</reverse-oif>
    <mgm-group-output-interface>
      mgm-group-output-interface
    </mgm-group-output-interface>
    <mgm-output-interface-status>
      mgm-output-interface-status
    </mgm-output-interface-status>
  </mgm-group>
</amt-tunnel>
</amt-tunnel-information>
```

### Description

## <mgm-host>

### Usage

```
<mgm-interface>
  <mgm-host>
    <mgm-host-address>
      mgm-host-address
    </mgm-host-address>
    <mgm-host-record-count>
      mgm-host-record-count
    </mgm-host-record-count>
  </mgm-host>
```

```
</mgm-interface>
```

#### Description

```
<mgm-host>
```

#### Usage

```
<igmp-interface-information>
  <mgm-interface>
    <mgm-host>
      <mgm-host-address>
        mgm-host-address
      </mgm-host-address>
      <mgm-host-record-count>
        mgm-host-record-count
      </mgm-host-record-count>
    </mgm-host>
  </mgm-interface>
</igmp-interface-information>
```

#### Description

```
<mgm-host>
```

#### Usage

```
<mld-interface-information>
  <mgm-interface>
    <mgm-host>
      <mgm-host-address>
        mgm-host-address
      </mgm-host-address>
      <mgm-host-record-count>
        mgm-host-record-count
      </mgm-host-record-count>
    </mgm-host>
  </mgm-interface>
</mld-interface-information>
```

#### Description

```
<mgm-host>
```

#### Usage

```
<igmp-hosts-information>
  <mgm-interface>
    <mgm-host>
      <mgm-host-address>
        mgm-host-address
      </mgm-host-address>
      <mgm-host-record-count>
        mgm-host-record-count
      </mgm-host-record-count>
    </mgm-host>
```

```
</mgm-interface>
</igmp-hosts-information>
```

#### Description

### <mgm-host>

#### Usage

```
<mld-hosts-information>
  <mgm-interface>
    <mgm-host>
      <mgm-host-address>
        mgm-host-address
      </mgm-host-address>
      <mgm-host-record-count>
        mgm-host-record-count
      </mgm-host-record-count>
    </mgm-host>
  </mgm-interface>
</mld-hosts-information>
```

#### Description

### <mgm-interface>

#### Usage

```
<mgm-interface>
  <interface-name>
    interface-name
  </interface-name>
  <querier-address>
    querier-address
  </querier-address>
  <mgm-interface-state>
    mgm-interface-state
  </mgm-interface-state>
  <querier-timeout>
    querier-timeout
  </querier-timeout>
  <mgm-interface-version>
    mgm-interface-version
  </mgm-interface-version>
  <mgm-group-count>
    mgm-group-count
  </mgm-group-count>
  <mgm-ssm-map>
    mgm-ssm-map
  </mgm-ssm-map>
  <mgm-mc-lag-state>
    mgm-mc-lag-state
  </mgm-mc-lag-state>
  <mgm-immediate-leave>
    mgm-immediate-leave
  </mgm-immediate-leave>
```

```

<mgm-promiscuous-mode>
  mgm-promiscuous-mode
</mgm-promiscuous-mode>
<mgm-passive>
  mgm-passive
</mgm-passive>
<mgm-passive-allow-receive>
  mgm-passive-allow-receive
</mgm-passive-allow-receive>
<mgm-passive-send-general-query>
  mgm-passive-send-general-query
</mgm-passive-send-general-query>
<mgm-passive-send-group-query>
  mgm-passive-send-group-query
</mgm-passive-send-group-query>
<mgm-group-limit>
  mgm-group-limit
</mgm-group-limit>
<mgm-group-policy>
  mgm-group-policy
</mgm-group-policy>
<mgm-oif-map>
  mgm-oif-map
</mgm-oif-map>
<mgm-host>....</mgm-host>
</mgm-interface>

```

## Description

### <mgm-interface>

#### Usage

```

<igmp-interface-information>
  <mgm-interface>
    <interface-name>
      interface-name
    </interface-name>
    <querier-address>
      querier-address
    </querier-address>
    <mgm-interface-state>
      mgm-interface-state
    </mgm-interface-state>
    <querier-timeout>
      querier-timeout
    </querier-timeout>
    <mgm-interface-version>
      mgm-interface-version
    </mgm-interface-version>
    <mgm-group-count>
      mgm-group-count
    </mgm-group-count>
    <mgm-ssm-map>
      mgm-ssm-map
    </mgm-ssm-map>

```

```
<mgm-mc-lag-state>
  mgm-mc-lag-state
</mgm-mc-lag-state>
<mgm-immediate-leave>
  mgm-immediate-leave
</mgm-immediate-leave>
<mgm-promiscuous-mode>
  mgm-promiscuous-mode
</mgm-promiscuous-mode>
<mgm-passive>
  mgm-passive
</mgm-passive>
<mgm-passive-allow-receive>
  mgm-passive-allow-receive
</mgm-passive-allow-receive>
<mgm-passive-send-general-query>
  mgm-passive-send-general-query
</mgm-passive-send-general-query>
<mgm-passive-send-group-query>
  mgm-passive-send-group-query
</mgm-passive-send-group-query>
<mgm-group-limit>
  mgm-group-limit
</mgm-group-limit>
<mgm-group-policy>
  mgm-group-policy
</mgm-group-policy>
<mgm-oif-map>
  mgm-oif-map
</mgm-oif-map>
<mgm-host>....</mgm-host>
</mgm-interface>
</lgmp-interface-information>
```

## Description

### <mgm-interface>

#### Usage

```
<mld-interface-information>
  <mgm-interface>
    <interface-name>
      interface-name
    </interface-name>
    <querier-address>
      querier-address
    </querier-address>
    <mgm-interface-state>
      mgm-interface-state
    </mgm-interface-state>
    <querier-timeout>
      querier-timeout
    </querier-timeout>
    <mgm-interface-version>
      mgm-interface-version
```

```

</mgm-interface-version>
<mgm-group-count>
  mgm-group-count
</mgm-group-count>
<mgm-ssm-map>
  mgm-ssm-map
</mgm-ssm-map>
<mgm-mc-lag-state>
  mgm-mc-lag-state
</mgm-mc-lag-state>
<mgm-immediate-leave>
  mgm-immediate-leave
</mgm-immediate-leave>
<mgm-promiscuous-mode>
  mgm-promiscuous-mode
</mgm-promiscuous-mode>
<mgm-passive>
  mgm-passive
</mgm-passive>
<mgm-passive-allow-receive>
  mgm-passive-allow-receive
</mgm-passive-allow-receive>
<mgm-passive-send-general-query>
  mgm-passive-send-general-query
</mgm-passive-send-general-query>
<mgm-passive-send-group-query>
  mgm-passive-send-group-query
</mgm-passive-send-group-query>
<mgm-group-limit>
  mgm-group-limit
</mgm-group-limit>
<mgm-group-policy>
  mgm-group-policy
</mgm-group-policy>
<mgm-oif-map>
  mgm-oif-map
</mgm-oif-map>
<mgm-host>....</mgm-host>
</mgm-interface>
</mld-interface-information>

```

## Description

### <mgm-interface>

#### Usage

```

<igmp-hosts-information>
  <mgm-interface>
    <interface-name>
      interface-name
    </interface-name>
    <querier-address>
      querier-address
    </querier-address>
    <mgm-interface-state>

```

```
    mgm-interface-state
  </mgm-interface-state>
  <querier-timeout>
    querier-timeout
  </querier-timeout>
  <mgm-interface-version>
    mgm-interface-version
  </mgm-interface-version>
  <mgm-group-count>
    mgm-group-count
  </mgm-group-count>
  <mgm-ssm-map>
    mgm-ssm-map
  </mgm-ssm-map>
  <mgm-mc-lag-state>
    mgm-mc-lag-state
  </mgm-mc-lag-state>
  <mgm-immediate-leave>
    mgm-immediate-leave
  </mgm-immediate-leave>
  <mgm-promiscuous-mode>
    mgm-promiscuous-mode
  </mgm-promiscuous-mode>
  <mgm-passive>
    mgm-passive
  </mgm-passive>
  <mgm-passive-allow-receive>
    mgm-passive-allow-receive
  </mgm-passive-allow-receive>
  <mgm-passive-send-general-query>
    mgm-passive-send-general-query
  </mgm-passive-send-general-query>
  <mgm-passive-send-group-query>
    mgm-passive-send-group-query
  </mgm-passive-send-group-query>
  <mgm-group-limit>
    mgm-group-limit
  </mgm-group-limit>
  <mgm-group-policy>
    mgm-group-policy
  </mgm-group-policy>
  <mgm-oif-map>
    mgm-oif-map
  </mgm-oif-map>
  <mgm-host>....</mgm-host>
</mgm-interface>
</igmp-hosts-information>
```

#### Description

<mgm-interface>

#### Usage

```
<mld-hosts-information>
  <mgm-interface>
```



```
<interface-name>
  interface-name
</interface-name>
<querier-address>
  querier-address
</querier-address>
<mgm-interface-state>
  mgm-interface-state
</mgm-interface-state>
<querier-timeout>
  querier-timeout
</querier-timeout>
<mgm-interface-version>
  mgm-interface-version
</mgm-interface-version>
<mgm-group-count>
  mgm-group-count
</mgm-group-count>
<mgm-ssm-map>
  mgm-ssm-map
</mgm-ssm-map>
<mgm-mc-lag-state>
  mgm-mc-lag-state
</mgm-mc-lag-state>
<mgm-immediate-leave>
  mgm-immediate-leave
</mgm-immediate-leave>
<mgm-promiscuous-mode>
  mgm-promiscuous-mode
</mgm-promiscuous-mode>
<mgm-passive>
  mgm-passive
</mgm-passive>
<mgm-passive-allow-receive>
  mgm-passive-allow-receive
</mgm-passive-allow-receive>
<mgm-passive-send-general-query>
  mgm-passive-send-general-query
</mgm-passive-send-general-query>
<mgm-passive-send-group-query>
  mgm-passive-send-group-query
</mgm-passive-send-group-query>
<mgm-group-limit>
  mgm-group-limit
</mgm-group-limit>
<mgm-group-policy>
  mgm-group-policy
</mgm-group-policy>
<mgm-oif-map>
  mgm-oif-map
</mgm-oif-map>
<mgm-host>....</mgm-host>
</mgm-interface>
</mld-hosts-information>
```

**Description****<mgm-interface-groups>****Usage**

```
<mgm-interface-groups>
  <interface-name>
    interface-name
  </interface-name>
  <mgm-group-count>
    mgm-group-count
  </mgm-group-count>
  <mgm-group>....</mgm-group>
</mgm-interface-groups>
```

**Description****<mgm-interface-groups>****Usage**

```
<igmp-group-information>
  <mgm-interface-groups>
    <interface-name>
      interface-name
    </interface-name>
    <mgm-group-count>
      mgm-group-count
    </mgm-group-count>
    <mgm-group>....</mgm-group>
  </mgm-interface-groups>
</igmp-group-information>
```

**Description****<mgm-interface-groups>****Usage**

```
<mld-group-information>
  <mgm-interface-groups>
    <interface-name>
      interface-name
    </interface-name>
    <mgm-group-count>
      mgm-group-count
    </mgm-group-count>
    <mgm-group>....</mgm-group>
  </mgm-interface-groups>
</mld-group-information>
```

**Description**

## <mgm-interface-output-groups>

### Usage

```

<mgm-interface-output-groups>
  <interface-name>
    interface-name
  </interface-name>
  <mgm-output-interface-status>
    mgm-output-interface-status
  </mgm-output-interface-status>
  <mgm-output-group>....</mgm-output-group>
</mgm-interface-output-groups>

```

### Description

## <mgm-interface-output-groups>

### Usage

```

<igmp-output-group-information>
  <mgm-interface-output-groups>
    <interface-name>
      interface-name
    </interface-name>
    <mgm-output-interface-status>
      mgm-output-interface-status
    </mgm-output-interface-status>
    <mgm-output-group>....</mgm-output-group>
  </mgm-interface-output-groups>
</igmp-output-group-information>

```

### Description

## <mgm-interface-output-groups>

### Usage

```

<mld-output-group-information>
  <mgm-interface-output-groups>
    <interface-name>
      interface-name
    </interface-name>
    <mgm-output-interface-status>
      mgm-output-interface-status
    </mgm-output-interface-status>
    <mgm-output-group>....</mgm-output-group>
  </mgm-interface-output-groups>
</mld-output-group-information>

```

### Description

## <mgm-other-statistic>

### Usage

```
<mgm-statistics-interface>
  <mgm-statistics-other>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-other>
</mgm-statistics-interface>
```

### Description

## <mgm-other-statistic>

### Usage

```
<mgm-statistics-interface>
  <mgm-statistics-global>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-global>
</mgm-statistics-interface>
```

### Description

## <mgm-other-statistic>

### Usage

```
<mgm-statistics-interface>
  <mgm-other-statistic>
    <statistic-name>
      statistic-name
    </statistic-name>
    <statistic-count>
      statistic-count
    </statistic-count>
  </mgm-other-statistic>
</mgm-statistics-interface>
```

### Description

**<mgm-other-statistic>****Usage**

```
<mgm-statistics-all>
  <mgm-statistics-other>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-other>
</mgm-statistics-all>
```

**Description****<mgm-other-statistic>****Usage**

```
<mgm-statistics-all>
  <mgm-statistics-global>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-global>
</mgm-statistics-all>
```

**Description****<mgm-other-statistic>****Usage**

```
<igmp-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-other>
      <mgm-other-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <statistic-count>
          statistic-count
        </statistic-count>
      </mgm-other-statistic>
    </mgm-statistics-other>
  </mgm-statistics-interface>
```

```
</igmp-statistics-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<igmp-statistics-information>  
  <mgm-statistics-interface>  
    <mgm-statistics-global>  
      <mgm-other-statistic>  
        <statistic-name>  
          statistic-name  
        </statistic-name>  
        <statistic-count>  
          statistic-count  
        </statistic-count>  
      </mgm-other-statistic>  
    </mgm-statistics-global>  
  </mgm-statistics-interface>  
</igmp-statistics-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<igmp-statistics-information>  
  <mgm-statistics-interface>  
    <mgm-other-statistic>  
      <statistic-name>  
        statistic-name  
      </statistic-name>  
      <statistic-count>  
        statistic-count  
      </statistic-count>  
    </mgm-other-statistic>  
  </mgm-statistics-interface>  
</igmp-statistics-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<igmp-statistics-information>  
  <mgm-statistics-other>  
    <mgm-other-statistic>  
      <statistic-name>  
        statistic-name  
      </statistic-name>  
      <statistic-count>  
        statistic-count
```

```
    </statistic-count>
  </mgm-other-statistic>
</mgm-statistics-other>
</igmp-statistics-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<igmp-statistics-information>
  <mgm-statistics-global>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-global>
</igmp-statistics-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<igmp-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-other>
      <mgm-other-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <statistic-count>
          statistic-count
        </statistic-count>
      </mgm-other-statistic>
    </mgm-statistics-other>
  </mgm-statistics-all>
</igmp-statistics-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<igmp-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-global>
      <mgm-other-statistic>
        <statistic-name>
```

```
        statistic-name
      </statistic-name>
    <statistic-count>
      statistic-count
    </statistic-count>
  </mgm-other-statistic>
</mgm-statistics-global>
</mgm-statistics-all>
</lgmp-statistics-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<mld-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-other>
      <mgm-other-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <statistic-count>
          statistic-count
        </statistic-count>
      </mgm-other-statistic>
    </mgm-statistics-other>
  </mgm-statistics-interface>
</mld-statistics-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<mld-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-global>
      <mgm-other-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <statistic-count>
          statistic-count
        </statistic-count>
      </mgm-other-statistic>
    </mgm-statistics-global>
  </mgm-statistics-interface>
</mld-statistics-information>
```

#### Description



### <mgm-other-statistic>

#### Usage

```
<mld-statistics-information>
  <mgm-statistics-interface>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-interface>
</mld-statistics-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<mld-statistics-information>
  <mgm-statistics-other>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-other>
</mld-statistics-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<mld-statistics-information>
  <mgm-statistics-global>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-global>
</mld-statistics-information>
```

**Description****<mgm-other-statistic>****Usage**

```
<mld-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-other>
      <mgm-other-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <statistic-count>
          statistic-count
        </statistic-count>
      </mgm-other-statistic>
    </mgm-statistics-other>
  </mgm-statistics-all>
</mld-statistics-information>
```

**Description****<mgm-other-statistic>****Usage**

```
<mld-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-global>
      <mgm-other-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <statistic-count>
          statistic-count
        </statistic-count>
      </mgm-other-statistic>
    </mgm-statistics-global>
  </mgm-statistics-all>
</mld-statistics-information>
```

**Description****<mgm-output-group>****Usage**

```
<mgm-interface-output-groups>
  <mgm-output-group>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <mgm-type>
```

```

    mgm-type
  </mgm-type>
  <mgm-group-mode-type>
    mgm-group-mode-type
  </mgm-group-mode-type>
  <mgm-group-input-interface>
    mgm-group-input-interface
  </mgm-group-input-interface>
</mgm-output-group>
</mgm-interface-output-groups>

```

### Description

#### <mgm-output-group>

##### Usage

```

<igmp-output-group-information>
  <mgm-interface-output-groups>
    <mgm-output-group>
      <multicast-group-address>
        multicast-group-address
      </multicast-group-address>
      <multicast-source-address>
        multicast-source-address
      </multicast-source-address>
      <mgm-type>
        mgm-type
      </mgm-type>
      <mgm-group-mode-type>
        mgm-group-mode-type
      </mgm-group-mode-type>
      <mgm-group-input-interface>
        mgm-group-input-interface
      </mgm-group-input-interface>
    </mgm-output-group>
  </mgm-interface-output-groups>
</igmp-output-group-information>

```

### Description

#### <mgm-output-group>

##### Usage

```

<mld-output-group-information>
  <mgm-interface-output-groups>
    <mgm-output-group>
      <multicast-group-address>
        multicast-group-address
      </multicast-group-address>
      <multicast-source-address>
        multicast-source-address
      </multicast-source-address>
      <mgm-type>
        mgm-type

```

```
</mgm-type>
<mgm-group-mode-type>
  mgm-group-mode-type
</mgm-group-mode-type>
<mgm-group-input-interface>
  mgm-group-input-interface
</mgm-group-input-interface>
</mgm-output-group>
</mgm-interface-output-groups>
</mld-output-group-information>
```

#### Description

### <mgm-statistic>

#### Usage

```
<mgm-statistics-interface>
<mgm-statistics-group>
<mgm-statistic>
<statistic-name>
  statistic-name
</statistic-name>
<received-count>
  received-count
</received-count>
<sent-count>
  sent-count
</sent-count>
<error-count>
  error-count
</error-count>
</mgm-statistic>
</mgm-statistics-group>
</mgm-statistics-interface>
```

#### Description

### <mgm-statistic>

#### Usage

```
<mgm-statistics-interface>
<mgm-statistic>
<statistic-name>
  statistic-name
</statistic-name>
<received-count>
  received-count
</received-count>
<sent-count>
  sent-count
</sent-count>
<error-count>
  error-count
</error-count>
```

```

</mgm-statistic>
</mgm-statistics-interface>

```

#### Description

<mgm-statistic>

#### Usage

```

<mgm-statistics-all>
<mgm-statistics-group>
  <mgm-statistic>
    <statistic-name>
      statistic-name
    </statistic-name>
    <received-count>
      received-count
    </received-count>
    <sent-count>
      sent-count
    </sent-count>
    <error-count>
      error-count
    </error-count>
  </mgm-statistic>
</mgm-statistics-group>
</mgm-statistics-all>

```

#### Description

<mgm-statistic>

#### Usage

```

<igmp-statistics-information>
<mgm-statistics-interface>
  <mgm-statistics-group>
    <mgm-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <received-count>
        received-count
      </received-count>
      <sent-count>
        sent-count
      </sent-count>
      <error-count>
        error-count
      </error-count>
    </mgm-statistic>
  </mgm-statistics-group>
</mgm-statistics-interface>
</igmp-statistics-information>

```

**Description****<mgm-statistic>****Usage**

```
<igmp-statistics-information>
<mgm-statistics-interface>
  <mgm-statistic>
    <statistic-name>
      statistic-name
    </statistic-name>
    <received-count>
      received-count
    </received-count>
    <sent-count>
      sent-count
    </sent-count>
    <error-count>
      error-count
    </error-count>
  </mgm-statistic>
</mgm-statistics-interface>
</igmp-statistics-information>
```

**Description****<mgm-statistic>****Usage**

```
<igmp-statistics-information>
<mgm-statistics-all>
  <mgm-statistics-group>
    <mgm-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <received-count>
        received-count
      </received-count>
      <sent-count>
        sent-count
      </sent-count>
      <error-count>
        error-count
      </error-count>
    </mgm-statistic>
  </mgm-statistics-group>
</mgm-statistics-all>
</igmp-statistics-information>
```

**Description**

## <mgm-statistic>

### Usage

```
<mld-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-group>
      <mgm-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <received-count>
          received-count
        </received-count>
        <sent-count>
          sent-count
        </sent-count>
        <error-count>
          error-count
        </error-count>
      </mgm-statistic>
    </mgm-statistics-group>
  </mgm-statistics-interface>
</mld-statistics-information>
```

### Description

## <mgm-statistic>

### Usage

```
<mld-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <received-count>
        received-count
      </received-count>
      <sent-count>
        sent-count
      </sent-count>
      <error-count>
        error-count
      </error-count>
    </mgm-statistic>
  </mgm-statistics-interface>
</mld-statistics-information>
```

### Description

## <mgm-statistic>

### Usage

```
<mld-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-group>
      <mgm-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <received-count>
          received-count
        </received-count>
        <sent-count>
          sent-count
        </sent-count>
        <error-count>
          error-count
        </error-count>
      </mgm-statistic>
    </mgm-statistics-group>
  </mgm-statistics-all>
</mld-statistics-information>
```

### Description

## <mgm-statistics-all>

### Usage

```
<mgm-statistics-all>
  <mgm-statistics-group>....</mgm-statistics-group>
  <mgm-statistics-other>....</mgm-statistics-other>
  <mgm-statistics-global>....</mgm-statistics-global>
</mgm-statistics-all>
```

### Description

## <mgm-statistics-all>

### Usage

```
<igmp-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-group>....</mgm-statistics-group>
    <mgm-statistics-other>....</mgm-statistics-other>
    <mgm-statistics-global>....</mgm-statistics-global>
  </mgm-statistics-all>
</igmp-statistics-information>
```

### Description



### <mgm-statistics-all>

#### Usage

```
<mld-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-group>....</mgm-statistics-group>
    <mgm-statistics-other>....</mgm-statistics-other>
    <mgm-statistics-global>....</mgm-statistics-global>
  </mgm-statistics-all>
</mld-statistics-information>
```

#### Description

### <mgm-statistics-global>

#### Usage

```
<mgm-statistics-interface>
  <mgm-statistics-global>
    <mgm-other-statistic>....</mgm-other-statistic>
  </mgm-statistics-global>
</mgm-statistics-interface>
```

#### Description

### <mgm-statistics-global>

#### Usage

```
<mgm-statistics-all>
  <mgm-statistics-global>
    <mgm-other-statistic>....</mgm-other-statistic>
  </mgm-statistics-global>
</mgm-statistics-all>
```

#### Description

### <mgm-statistics-global>

#### Usage

```
<igmp-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-global>
      <mgm-other-statistic>....</mgm-other-statistic>
    </mgm-statistics-global>
  </mgm-statistics-interface>
</igmp-statistics-information>
```

#### Description

### <mgm-statistics-global>

#### Usage

```
<igmp-statistics-information>
```

```
<mgm-statistics-global>  
  <mgm-other-statistic>....</mgm-other-statistic>  
</mgm-statistics-global>  
</igmp-statistics-information>
```

#### Description

### <mgm-statistics-global>

#### Usage

```
<igmp-statistics-information>  
  <mgm-statistics-all>  
    <mgm-statistics-global>  
      <mgm-other-statistic>....</mgm-other-statistic>  
    </mgm-statistics-global>  
  </mgm-statistics-all>  
</igmp-statistics-information>
```

#### Description

### <mgm-statistics-global>

#### Usage

```
<mld-statistics-information>  
  <mgm-statistics-interface>  
    <mgm-statistics-global>  
      <mgm-other-statistic>....</mgm-other-statistic>  
    </mgm-statistics-global>  
  </mgm-statistics-interface>  
</mld-statistics-information>
```

#### Description

### <mgm-statistics-global>

#### Usage

```
<mld-statistics-information>  
  <mgm-statistics-global>  
    <mgm-other-statistic>....</mgm-other-statistic>  
  </mgm-statistics-global>  
</mld-statistics-information>
```

#### Description

### <mgm-statistics-global>

#### Usage

```
<mld-statistics-information>  
  <mgm-statistics-all>  
    <mgm-statistics-global>  
      <mgm-other-statistic>....</mgm-other-statistic>  
    </mgm-statistics-global>
```

```
</mgm-statistics-all>  
</mld-statistics-information>
```

**Description**

**<mgm-statistics-group>**

**Usage**

```
<mgm-statistics-interface>  
  <mgm-statistics-group>  
    <mgm-statistic>....</mgm-statistic>  
  </mgm-statistics-group>  
</mgm-statistics-interface>
```

**Description**

**<mgm-statistics-group>**

**Usage**

```
<mgm-statistics-all>  
  <mgm-statistics-group>  
    <mgm-statistic>....</mgm-statistic>  
  </mgm-statistics-group>  
</mgm-statistics-all>
```

**Description**

**<mgm-statistics-group>**

**Usage**

```
<igmp-statistics-information>  
  <mgm-statistics-interface>  
    <mgm-statistics-group>  
      <mgm-statistic>....</mgm-statistic>  
    </mgm-statistics-group>  
  </mgm-statistics-interface>  
</igmp-statistics-information>
```

**Description**

**<mgm-statistics-group>**

**Usage**

```
<igmp-statistics-information>  
  <mgm-statistics-all>  
    <mgm-statistics-group>  
      <mgm-statistic>....</mgm-statistic>  
    </mgm-statistics-group>  
  </mgm-statistics-all>  
</igmp-statistics-information>
```

**Description****<mgm-statistics-group>****Usage**

```
<mld-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-group>
      <mgm-statistic>....</mgm-statistic>
    </mgm-statistics-group>
  </mgm-statistics-interface>
</mld-statistics-information>
```

**Description****<mgm-statistics-group>****Usage**

```
<mld-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-group>
      <mgm-statistic>....</mgm-statistic>
    </mgm-statistics-group>
  </mgm-statistics-all>
</mld-statistics-information>
```

**Description****<mgm-statistics-interface>****Usage**

```
<mgm-statistics-interface>
  <interface-name>
    interface-name
  </interface-name>
  <mgm-disabled-interface-name>
    mgm-disabled-interface-name
  </mgm-disabled-interface-name>
  <mgm-interface-all>
    mgm-interface-all
  </mgm-interface-all>
  <mgm-statistics-group>....</mgm-statistics-group>
  <mgm-statistics-other>....</mgm-statistics-other>
  <mgm-statistics-global>....</mgm-statistics-global>
  <mgm-statistic>....</mgm-statistic>
  <mgm-other-statistic>....</mgm-other-statistic>
</mgm-statistics-interface>
```

**Description**

## <mgm-statistics-interface>

### Usage

```

<igmp-statistics-information>
  <mgm-statistics-interface>
    <interface-name>
      interface-name
    </interface-name>
    <mgm-disabled-interface-name>
      mgm-disabled-interface-name
    </mgm-disabled-interface-name>
    <mgm-interface-all>
      mgm-interface-all
    </mgm-interface-all>
    <mgm-statistics-group>....</mgm-statistics-group>
    <mgm-statistics-other>....</mgm-statistics-other>
    <mgm-statistics-global>....</mgm-statistics-global>
    <mgm-statistic>....</mgm-statistic>
    <mgm-other-statistic>....</mgm-other-statistic>
  </mgm-statistics-interface>
</igmp-statistics-information>

```

### Description

## <mgm-statistics-interface>

### Usage

```

<mld-statistics-information>
  <mgm-statistics-interface>
    <interface-name>
      interface-name
    </interface-name>
    <mgm-disabled-interface-name>
      mgm-disabled-interface-name
    </mgm-disabled-interface-name>
    <mgm-interface-all>
      mgm-interface-all
    </mgm-interface-all>
    <mgm-statistics-group>....</mgm-statistics-group>
    <mgm-statistics-other>....</mgm-statistics-other>
    <mgm-statistics-global>....</mgm-statistics-global>
    <mgm-statistic>....</mgm-statistic>
    <mgm-other-statistic>....</mgm-other-statistic>
  </mgm-statistics-interface>
</mld-statistics-information>

```

### Description

## <mgm-statistics-other>

### Usage

```

<mgm-statistics-interface>
  <mgm-statistics-other>

```

```
    <mgm-other-statistic>....</mgm-other-statistic>
  </mgm-statistics-other>
</mgm-statistics-interface>
```

#### Description

### <mgm-statistics-other>

#### Usage

```
<mgm-statistics-all>
  <mgm-statistics-other>
    <mgm-other-statistic>....</mgm-other-statistic>
  </mgm-statistics-other>
</mgm-statistics-all>
```

#### Description

### <mgm-statistics-other>

#### Usage

```
<igmp-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-other>
      <mgm-other-statistic>....</mgm-other-statistic>
    </mgm-statistics-other>
  </mgm-statistics-interface>
</igmp-statistics-information>
```

#### Description

### <mgm-statistics-other>

#### Usage

```
<igmp-statistics-information>
  <mgm-statistics-other>
    <mgm-other-statistic>....</mgm-other-statistic>
  </mgm-statistics-other>
</igmp-statistics-information>
```

#### Description

### <mgm-statistics-other>

#### Usage

```
<igmp-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-other>
      <mgm-other-statistic>....</mgm-other-statistic>
    </mgm-statistics-other>
  </mgm-statistics-all>
</igmp-statistics-information>
```

**Description****<mgm-statistics-other>****Usage**

```
<mld-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-other>
      <mgm-other-statistic>....</mgm-other-statistic>
    </mgm-statistics-other>
  </mgm-statistics-interface>
</mld-statistics-information>
```

**Description****<mgm-statistics-other>****Usage**

```
<mld-statistics-information>
  <mgm-statistics-other>
    <mgm-other-statistic>....</mgm-other-statistic>
  </mgm-statistics-other>
</mld-statistics-information>
```

**Description****<mgm-statistics-other>****Usage**

```
<mld-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-other>
      <mgm-other-statistic>....</mgm-other-statistic>
    </mgm-statistics-other>
  </mgm-statistics-all>
</mld-statistics-information>
```

**Description****<mld-group-information>****Usage**

```
<mld-group-information>
  <mgm-interface-groups>....</mgm-interface-groups>
</mld-group-information>
```

**Description****<mld-hosts-information>****Usage**

```
<mld-hosts-information>
```

```
<mgm-disabled-interface-name>  
  mgm-disabled-interface-name  
</mgm-disabled-interface-name>  
<mgm-interface>....</mgm-interface>  
</mld-hosts-information>
```

#### Description

### <mld-interface-information>

#### Usage

```
<mld-interface-information>  
  <mgm-interface>....</mgm-interface>  
  <mgm-configured-parameters>....</mgm-configured-parameters>  
  <mgm-derived-parameters>....</mgm-derived-parameters>  
</mld-interface-information>
```

#### Description

### <mld-output-group-information>

#### Usage

```
<mld-output-group-information>  
  <mgm-interface-output-groups>....</mgm-interface-output-groups>  
</mld-output-group-information>
```

#### Description

### <mld-statistics-information>

#### Usage

```
<mld-statistics-information>  
  <mgm-statistics-interface>....</mgm-statistics-interface>  
  <mgm-statistics-other>....</mgm-statistics-other>  
  <mgm-statistics-global>....</mgm-statistics-global>  
  <mgm-statistics-all>....</mgm-statistics-all>  
</mld-statistics-information>
```

#### Description

### <mpls-admin-group>

#### Usage

```
<mpls-admin-group>  
  <admin-group-name>  
    admin-group-name  
  </admin-group-name>  
  <index>  
    index  
  </index>  
</mpls-admin-group>
```



**Description****<mpls-admin-group>****Usage**

```
<mpls-admin-group-information>
  <mpls-admin-group>
    <admin-group-name>
      admin-group-name
    </admin-group-name>
    <index>
      index
    </index>
  </mpls-admin-group>
</mpls-admin-group-information>
```

**Description****<mpls-admin-group-extended>****Usage**

```
<mpls-admin-group-extended>
  <range>
    range
  </range>
  <admin-group-name>
    admin-group-name
  </admin-group-name>
  <admin-group-index>
    admin-group-index
  </admin-group-index>
</mpls-admin-group-extended>
```

**Description****<mpls-admin-group-extended>****Usage**

```
<mpls-admin-group-extended-information>
  <mpls-admin-group-extended>
    <range>
      range
    </range>
    <admin-group-name>
      admin-group-name
    </admin-group-name>
    <admin-group-index>
      admin-group-index
    </admin-group-index>
  </mpls-admin-group-extended>
</mpls-admin-group-extended-information>
```

**Description**

### <mpls-admin-group-extended-information>

#### Usage

```
<mpls-admin-group-extended-information>
  <mpls-admin-group-extended>....</mpls-admin-group-extended>
</mpls-admin-group-extended-information>
```

#### Description

### <mpls-admin-group-information>

#### Usage

```
<mpls-admin-group-information>
  <mpls-admin-group>....</mpls-admin-group>
</mpls-admin-group-information>
```

#### Description

### <mpls-call-admission-control>

#### Usage

```
<mpls-call-admission-control-information>
  <mpls-call-admission-control>
    <mpls-lsp>....</mpls-lsp>
  </mpls-call-admission-control>
</mpls-call-admission-control-information>
```

#### Description

### <mpls-call-admission-control-information>

#### Usage

```
<mpls-call-admission-control-information>
  <mpls-call-admission-control>....</mpls-call-admission-control>
</mpls-call-admission-control-information>
```

#### Description

### <mpls-context-identifier>

#### Usage

```
<mpls-context-identifier>
  <context-identifier>
    context-identifier
  </context-identifier>
  <context-type>
    context-type
  </context-type>
  <metric>
    metric
  </metric>
</context-table>
```

```

    context-table
  </context-table>
  <context-lsps>
    context-lsps
  </context-lsps>
  <context-lsp-ingress-router>
    context-lsp-ingress-router
  </context-lsp-ingress-router>
  <context-lsp-name>
    context-lsp-name
  </context-lsp-name>
  <context-lsp-is-detour>
    context-lsp-is-detour
  </context-lsp-is-detour>
  <context-total-count>
    context-total-count
  </context-total-count>
  <primary-context-count>
    primary-context-count
  </primary-context-count>
  <protector-context-count>
    protector-context-count
  </protector-context-count>
</mpls-context-identifier>

```

**Description** Egress protection context identifier

### <mpls-context-identifier>

#### Usage

```

<mpls-context-identifier-information>
  <mpls-context-identifier>
    <context-identifier>
      context-identifier
    </context-identifier>
    <context-type>
      context-type
    </context-type>
    <metric>
      metric
    </metric>
    <context-table>
      context-table
    </context-table>
    <context-lsps>
      context-lsps
    </context-lsps>
    <context-lsp-ingress-router>
      context-lsp-ingress-router
    </context-lsp-ingress-router>
    <context-lsp-name>
      context-lsp-name
    </context-lsp-name>
    <context-lsp-is-detour>

```

```
context-lsp-is-detour
</context-lsp-is-detour>
<context-total-count>
context-total-count
</context-total-count>
<primary-context-count>
primary-context-count
</primary-context-count>
<protector-context-count>
protector-context-count
</protector-context-count>
</mpls-context-identifier>
</mpls-context-identifier-information>
```

**Description** Egress protection context identifier

### <mpls-context-identifier-information>

#### Usage

```
<mpls-context-identifier-information>
  <mpls-context-identifier>....</mpls-context-identifier>
</mpls-context-identifier-information>
```

**Description** Information of context identifiers

### <mpls-cspf>

#### Usage

```
<mpls-cspf>
  <cspf-queue>....</cspf-queue>
  <cspf-paths>....</cspf-paths>
  <cspf-timing>....</cspf-timing>
</mpls-cspf>
```

**Description**

### <mpls-cspf>

#### Usage

```
<mpls-cspf-information>
  <mpls-cspf>
    <cspf-queue>....</cspf-queue>
    <cspf-paths>....</cspf-paths>
    <cspf-timing>....</cspf-timing>
  </mpls-cspf>
</mpls-cspf-information>
```

**Description**

**<mpls-cspf-information>****Usage**

```
<mpls-cspf-information>
  <mpls-cspf>.....</mpls-cspf>
</mpls-cspf-information>
```

**Description****<mpls-diffserv-te-information>****Usage**

```
<mpls-diffserv-te-information>
  <bandwidth-model>
    bandwidth-model
  </bandwidth-model>
  <te-class-map>.....</te-class-map>
</mpls-diffserv-te-information>
```

**Description****<mpls-error>****Usage**

```
<mpls-error>
  <mpls-error-msg>
    mpls-error-msg
  </mpls-error-msg>
</mpls-error>
```

**Description****<mpls-interface>****Usage**

```
<mpls-interface-information>
  <mpls-interface>
    <interface-name>
      interface-name
    </interface-name>
    <mpls-interface-state>
      mpls-interface-state
    </mpls-interface-state>
    <no-group-flag>
      no-group-flag
    </no-group-flag>
    <admin-group-name>
      admin-group-name
    </admin-group-name>
    <admin-group-number>
      admin-group-number
    </admin-group-number>
```

```
</mpls-interface>
</mpls-interface-information>
```

#### Description

### <mpls-interface-detail>

#### Usage

```
<mpls-interface-information>
  <mpls-interface-detail>
    <interface-name>
      interface-name
    </interface-name>
    <mpls-interface-state>
      mpls-interface-state
    </mpls-interface-state>
    <static-revert-time>
      static-revert-time
    </static-revert-time>
    <always-mark-connection-protection-tlv>
      always-mark-connection-protection-tlv
    </always-mark-connection-protection-tlv>
    <mpls-interface-switch-away-lsps>
      mpls-interface-switch-away-lsps
    </mpls-interface-switch-away-lsps>
    <no-group-flag>
      no-group-flag
    </no-group-flag>
    <admin-group-name>
      admin-group-name
    </admin-group-name>
    <admin-group-number>
      admin-group-number
    </admin-group-number>
    <admin-group-extended-name>
      admin-group-extended-name
    </admin-group-extended-name>
    <admin-group-extended-number>
      admin-group-extended-number
    </admin-group-extended-number>
  </mpls-interface-detail>
</mpls-interface-information>
```

#### Description

### <mpls-interface-information>

#### Usage

```
<mpls-interface-information>
  <mpls-interface>....</mpls-interface>
  <mpls-interface-detail>....</mpls-interface-detail>
</mpls-interface-information>
```

## Description

## &lt;mpls-lsp&gt;

## Usage

```

<rsvp-session-data>
  <rsvp-session>
    <mpls-lsp>
      <destination-address>
        destination-address
      </destination-address>
      <source-address>
        source-address
      </source-address>
      <lsp-state>
        lsp-state
      </lsp-state>
      <route-count>
        route-count
      </route-count>
      <active-path>
        active-path
      </active-path>
      <is-primary>
        is-primary
      </is-primary>
      <name>
        name
      </name>
      <bidirectional>
        bidirectional
      </bidirectional>
      <lsp-description>
        lsp-description
      </lsp-description>
      <lsp-pktbytes>
        lsp-pktbytes
      </lsp-pktbytes>
      <lsp-packets>
        lsp-packets
      </lsp-packets>
      <lsp-bytes>
        lsp-bytes
      </lsp-bytes>
      <no-statistics>
        no-statistics
      </no-statistics>
      <mpls-p2mp-name>
        mpls-p2mp-name
      </mpls-p2mp-name>
      <lsp-type>
        lsp-type
      </lsp-type>
      <is-fastreroute>
        is-fastreroute
      </is-fastreroute>

```

```
<is-linkprotection>
  is-linkprotection
</is-linkprotection>
<is-nodeprotection>
  is-nodeprotection
</is-nodeprotection>
<is-inter-domain-path>
  is-inter-domain-path
</is-inter-domain-path>
<load-balance>
  load-balance
</load-balance>
<lsp-diffserv-te-info>
  lsp-diffserv-te-info
</lsp-diffserv-te-info>
<metric>
  metric
</metric>
<revert-timer>
  revert-timer
</revert-timer>
<revert-timer-remain>
  revert-timer-remain
</revert-timer-remain>
<optimize-protection-timer>
  optimize-protection-timer
</optimize-protection-timer>
<admin-groups>....</admin-groups>
<admin-groups-extended>....</admin-groups-extended>
<lsp-creation-time>
  lsp-creation-time
</lsp-creation-time>
<lsp-soft-preemption-counter>
  lsp-soft-preemption-counter
</lsp-soft-preemption-counter>
<lsp-soft-preemption-time>
  lsp-soft-preemption-time
</lsp-soft-preemption-time>
<retry-timer>
  retry-timer
</retry-timer>
<retry-limit>
  retry-limit
</retry-limit>
<mpls-lsp-autobandwidth>....</mpls-lsp-autobandwidth>
<mpls-lsp-path>....</mpls-lsp-path>
<mpls-lsp-attributes>....</mpls-lsp-attributes>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
```

**Description**    MPLS label-switched path information



## <mpls-lsp>

### Usage

```

<rsvp-session>
  <mpls-lsp>
    <destination-address>
      destination-address
    </destination-address>
    <source-address>
      source-address
    </source-address>
    <lsp-state>
      lsp-state
    </lsp-state>
    <route-count>
      route-count
    </route-count>
    <active-path>
      active-path
    </active-path>
    <is-primary>
      is-primary
    </is-primary>
    <name>
      name
    </name>
    <bidirectional>
      bidirectional
    </bidirectional>
    <lsp-description>
      lsp-description
    </lsp-description>
    <lsp-pktbytes>
      lsp-pktbytes
    </lsp-pktbytes>
    <lsp-packets>
      lsp-packets
    </lsp-packets>
    <lsp-bytes>
      lsp-bytes
    </lsp-bytes>
    <no-statistics>
      no-statistics
    </no-statistics>
    <mpls-p2mp-name>
      mpls-p2mp-name
    </mpls-p2mp-name>
    <lsp-type>
      lsp-type
    </lsp-type>
    <is-fastreroute>
      is-fastreroute
    </is-fastreroute>
    <is-linkprotection>
      is-linkprotection

```

```
</is-linkprotection>
<is-nodeprotection>
  is-nodeprotection
</is-nodeprotection>
<is-inter-domain-path>
  is-inter-domain-path
</is-inter-domain-path>
<load-balance>
  load-balance
</load-balance>
<lsp-diffserv-te-info>
  lsp-diffserv-te-info
</lsp-diffserv-te-info>
<metric>
  metric
</metric>
<revert-timer>
  revert-timer
</revert-timer>
<revert-timer-remain>
  revert-timer-remain
</revert-timer-remain>
<optimize-protection-timer>
  optimize-protection-timer
</optimize-protection-timer>
<admin-groups>....</admin-groups>
<admin-groups-extended>....</admin-groups-extended>
<lsp-creation-time>
  lsp-creation-time
</lsp-creation-time>
<lsp-soft-preemption-counter>
  lsp-soft-preemption-counter
</lsp-soft-preemption-counter>
<lsp-soft-preemption-time>
  lsp-soft-preemption-time
</lsp-soft-preemption-time>
<retry-timer>
  retry-timer
</retry-timer>
<retry-limit>
  retry-limit
</retry-limit>
<mpls-lsp-autobandwidth>....</mpls-lsp-autobandwidth>
<mpls-lsp-path>....</mpls-lsp-path>
<mpls-lsp-attributes>....</mpls-lsp-attributes>
</mpls-lsp>
</rsvp-session>
```

**Description** MPLS label-switched path information

## <mpls-lsp>

### Usage

```
<rsvp-session-information>
```

```
<rsvp-session-data>
  <rsvp-session>
    <mpls-lsp>
      <destination-address>
        destination-address
      </destination-address>
      <source-address>
        source-address
      </source-address>
      <lsp-state>
        lsp-state
      </lsp-state>
      <route-count>
        route-count
      </route-count>
      <active-path>
        active-path
      </active-path>
      <is-primary>
        is-primary
      </is-primary>
      <name>
        name
      </name>
      <bidirectional>
        bidirectional
      </bidirectional>
      <lsp-description>
        lsp-description
      </lsp-description>
      <lsp-pktbytes>
        lsp-pktbytes
      </lsp-pktbytes>
      <lsp-packets>
        lsp-packets
      </lsp-packets>
      <lsp-bytes>
        lsp-bytes
      </lsp-bytes>
      <no-statistics>
        no-statistics
      </no-statistics>
      <mpls-p2mp-name>
        mpls-p2mp-name
      </mpls-p2mp-name>
      <lsp-type>
        lsp-type
      </lsp-type>
      <is-fastreroute>
        is-fastreroute
      </is-fastreroute>
      <is-linkprotection>
        is-linkprotection
      </is-linkprotection>
      <is-nodeprotection>
        is-nodeprotection
```

```
</is-nodeprotection>
<is-inter-domain-path>
  is-inter-domain-path
</is-inter-domain-path>
<load-balance>
  load-balance
</load-balance>
<lsp-diffserv-te-info>
  lsp-diffserv-te-info
</lsp-diffserv-te-info>
<metric>
  metric
</metric>
<revert-timer>
  revert-timer
</revert-timer>
<revert-timer-remain>
  revert-timer-remain
</revert-timer-remain>
<optimize-protection-timer>
  optimize-protection-timer
</optimize-protection-timer>
<admin-groups>....</admin-groups>
<admin-groups-extended>....</admin-groups-extended>
<lsp-creation-time>
  lsp-creation-time
</lsp-creation-time>
<lsp-soft-preemption-counter>
  lsp-soft-preemption-counter
</lsp-soft-preemption-counter>
<lsp-soft-preemption-time>
  lsp-soft-preemption-time
</lsp-soft-preemption-time>
<retry-timer>
  retry-timer
</retry-timer>
<retry-limit>
  retry-limit
</retry-limit>
<mpls-lsp-autobandwidth>....</mpls-lsp-autobandwidth>
<mpls-lsp-path>....</mpls-lsp-path>
<mpls-lsp-attributes>....</mpls-lsp-attributes>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>
```

**Description** MPLS label-switched path information

## <mpls-lsp>

### Usage

```
<mpls-lsp>
  <destination-address>
```

```
    destination-address
  </destination-address>
  <source-address>
    source-address
  </source-address>
  <lsp-state>
    lsp-state
  </lsp-state>
  <route-count>
    route-count
  </route-count>
  <active-path>
    active-path
  </active-path>
  <is-primary>
    is-primary
  </is-primary>
  <name>
    name
  </name>
  <bidirectional>
    bidirectional
  </bidirectional>
  <lsp-description>
    lsp-description
  </lsp-description>
  <lsp-pktbytes>
    lsp-pktbytes
  </lsp-pktbytes>
  <lsp-packets>
    lsp-packets
  </lsp-packets>
  <lsp-bytes>
    lsp-bytes
  </lsp-bytes>
  <no-statistics>
    no-statistics
  </no-statistics>
  <mpls-p2mp-name>
    mpls-p2mp-name
  </mpls-p2mp-name>
  <lsp-type>
    lsp-type
  </lsp-type>
  <is-fastreroute>
    is-fastreroute
  </is-fastreroute>
  <is-linkprotection>
    is-linkprotection
  </is-linkprotection>
  <is-nodeprotection>
    is-nodeprotection
  </is-nodeprotection>
  <is-inter-domain-path>
    is-inter-domain-path
  </is-inter-domain-path>
```

```
<load-balance>
  load-balance
</load-balance>
<lsp-diffserv-te-info>
  lsp-diffserv-te-info
</lsp-diffserv-te-info>
<metric>
  metric
</metric>
<revert-timer>
  revert-timer
</revert-timer>
<revert-timer-remain>
  revert-timer-remain
</revert-timer-remain>
<optimize-protection-timer>
  optimize-protection-timer
</optimize-protection-timer>
<admin-groups>....</admin-groups>
<admin-groups-extended>....</admin-groups-extended>
<lsp-creation-time>
  lsp-creation-time
</lsp-creation-time>
<lsp-soft-preemption-counter>
  lsp-soft-preemption-counter
</lsp-soft-preemption-counter>
<lsp-soft-preemption-time>
  lsp-soft-preemption-time
</lsp-soft-preemption-time>
<retry-timer>
  retry-timer
</retry-timer>
<retry-limit>
  retry-limit
</retry-limit>
<mpls-lsp-autobandwidth>....</mpls-lsp-autobandwidth>
<mpls-lsp-path>....</mpls-lsp-path>
<mpls-lsp-attributes>....</mpls-lsp-attributes>
</mpls-lsp>
```

**Description** MPLS label-switched path information

## <mpls-lsp>

### Usage

```
<mpls-lsp-information>
<rsvp-session-data>
  <rsvp-session>
    <mpls-lsp>
      <destination-address>
        destination-address
      </destination-address>
      <source-address>
        source-address
```

```
</source-address>
<lsp-state>
  lsp-state
</lsp-state>
<route-count>
  route-count
</route-count>
<active-path>
  active-path
</active-path>
<is-primary>
  is-primary
</is-primary>
<name>
  name
</name>
<bidirectional>
  bidirectional
</bidirectional>
<lsp-description>
  lsp-description
</lsp-description>
<lsp-pktbytes>
  lsp-pktbytes
</lsp-pktbytes>
<lsp-packets>
  lsp-packets
</lsp-packets>
<lsp-bytes>
  lsp-bytes
</lsp-bytes>
<no-statistics>
  no-statistics
</no-statistics>
<mpls-p2mp-name>
  mpls-p2mp-name
</mpls-p2mp-name>
<lsp-type>
  lsp-type
</lsp-type>
<is-fastreroute>
  is-fastreroute
</is-fastreroute>
<is-linkprotection>
  is-linkprotection
</is-linkprotection>
<is-nodeprotection>
  is-nodeprotection
</is-nodeprotection>
<is-inter-domain-path>
  is-inter-domain-path
</is-inter-domain-path>
<load-balance>
  load-balance
</load-balance>
<lsp-diffserv-te-info>
```

```
    lsp-diffserv-te-info
  </lsp-diffserv-te-info>
  <metric>
    metric
  </metric>
  <revert-timer>
    revert-timer
  </revert-timer>
  <revert-timer-remain>
    revert-timer-remain
  </revert-timer-remain>
  <optimize-protection-timer>
    optimize-protection-timer
  </optimize-protection-timer>
  <admin-groups>....</admin-groups>
  <admin-groups-extended>....</admin-groups-extended>
  <lsp-creation-time>
    lsp-creation-time
  </lsp-creation-time>
  <lsp-soft-preemption-counter>
    lsp-soft-preemption-counter
  </lsp-soft-preemption-counter>
  <lsp-soft-preemption-time>
    lsp-soft-preemption-time
  </lsp-soft-preemption-time>
  <retry-timer>
    retry-timer
  </retry-timer>
  <retry-limit>
    retry-limit
  </retry-limit>
  <mpls-lsp-autobandwidth>....</mpls-lsp-autobandwidth>
  <mpls-lsp-path>....</mpls-lsp-path>
  <mpls-lsp-attributes>....</mpls-lsp-attributes>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>
```

**Description** MPLS label-switched path information

## <mpls-lsp>

### Usage

```
<mpls-call-admission-control-information>
<mpls-call-admission-control>
  <mpls-lsp>
    <destination-address>
      destination-address
    </destination-address>
    <source-address>
      source-address
    </source-address>
    <lsp-state>
```



```
    lsp-state
  </lsp-state>
  <route-count>
    route-count
  </route-count>
  <active-path>
    active-path
  </active-path>
  <is-primary>
    is-primary
  </is-primary>
  <name>
    name
  </name>
  <bidirectional>
    bidirectional
  </bidirectional>
  <lsp-description>
    lsp-description
  </lsp-description>
  <lsp-pktbytes>
    lsp-pktbytes
  </lsp-pktbytes>
  <lsp-packets>
    lsp-packets
  </lsp-packets>
  <lsp-bytes>
    lsp-bytes
  </lsp-bytes>
  <no-statistics>
    no-statistics
  </no-statistics>
  <mpls-p2mp-name>
    mpls-p2mp-name
  </mpls-p2mp-name>
  <lsp-type>
    lsp-type
  </lsp-type>
  <is-fastreroute>
    is-fastreroute
  </is-fastreroute>
  <is-linkprotection>
    is-linkprotection
  </is-linkprotection>
  <is-nodeprotection>
    is-nodeprotection
  </is-nodeprotection>
  <is-inter-domain-path>
    is-inter-domain-path
  </is-inter-domain-path>
  <load-balance>
    load-balance
  </load-balance>
  <lsp-diffserv-te-info>
    lsp-diffserv-te-info
  </lsp-diffserv-te-info>
```

```
<metric>
  metric
</metric>
<revert-timer>
  revert-timer
</revert-timer>
<revert-timer-remain>
  revert-timer-remain
</revert-timer-remain>
<optimize-protection-timer>
  optimize-protection-timer
</optimize-protection-timer>
<admin-groups>....</admin-groups>
<admin-groups-extended>....</admin-groups-extended>
<lsp-creation-time>
  lsp-creation-time
</lsp-creation-time>
<lsp-soft-preemption-counter>
  lsp-soft-preemption-counter
</lsp-soft-preemption-counter>
<lsp-soft-preemption-time>
  lsp-soft-preemption-time
</lsp-soft-preemption-time>
<retry-timer>
  retry-timer
</retry-timer>
<retry-limit>
  retry-limit
</retry-limit>
<mpls-lsp-autobandwidth>....</mpls-lsp-autobandwidth>
<mpls-lsp-path>....</mpls-lsp-path>
<mpls-lsp-attributes>....</mpls-lsp-attributes>
</mpls-lsp>
</mpls-call-admission-control>
</mpls-call-admission-control-information>
```

**Description** MPLS label-switched path information

### <mpls-lsp-attributes>

#### Usage

```
<rsvp-session-data>
<rsvp-session>
  <mpls-lsp>
    <mpls-lsp-attributes>
      <signal-type>
        signal-type
      </signal-type>
      <encoding-type>
        encoding-type
      </encoding-type>
      <switching-type>
        switching-type
      </switching-type>
```

```

    <gpId>
      gpId
    </gpId>
    <protection-type>
      protection-type
    </protection-type>
  </mpls-lsp-attributes>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>

```

#### Description

#### <mpls-lsp-attributes>

##### Usage

```

<rsvp-session>
  <mpls-lsp>
    <mpls-lsp-attributes>
      <signal-type>
        signal-type
      </signal-type>
      <encoding-type>
        encoding-type
      </encoding-type>
      <switching-type>
        switching-type
      </switching-type>
      <gpId>
        gpId
      </gpId>
      <protection-type>
        protection-type
      </protection-type>
    </mpls-lsp-attributes>
  </mpls-lsp>
</rsvp-session>

```

#### Description

#### <mpls-lsp-attributes>

##### Usage

```

<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <mpls-lsp-attributes>
          <signal-type>
            signal-type
          </signal-type>
          <encoding-type>
            encoding-type
          </encoding-type>

```

```
<switching-type>
  switching-type
</switching-type>
<gp-id>
  gp-id
</gp-id>
<protection-type>
  protection-type
</protection-type>
</mpls-lsp-attributes>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>
```

#### Description

### <mpls-lsp-attributes>

#### Usage

```
<mpls-lsp-attributes>
  <signal-type>
    signal-type
  </signal-type>
  <encoding-type>
    encoding-type
  </encoding-type>
  <switching-type>
    switching-type
  </switching-type>
  <gp-id>
    gp-id
  </gp-id>
  <protection-type>
    protection-type
  </protection-type>
</mpls-lsp-attributes>
```

#### Description

### <mpls-lsp-attributes>

#### Usage

```
<mpls-lsp>
  <mpls-lsp-attributes>
    <signal-type>
      signal-type
    </signal-type>
    <encoding-type>
      encoding-type
    </encoding-type>
    <switching-type>
      switching-type
    </switching-type>
```

```

    <gpid>
      gpid
    </gpid>
    <protection-type>
      protection-type
    </protection-type>
  </mpls-lsp-attributes>
</mpls-lsp>

```

#### Description

#### <mpls-lsp-attributes>

##### Usage

```

<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <mpls-lsp-attributes>
          <signal-type>
            signal-type
          </signal-type>
          <encoding-type>
            encoding-type
          </encoding-type>
          <switching-type>
            switching-type
          </switching-type>
          <gpid>
            gpid
          </gpid>
          <protection-type>
            protection-type
          </protection-type>
        </mpls-lsp-attributes>
      </mpls-lsp>
    </rsvp-session>
  </rsvp-session-data>
</mpls-lsp-information>

```

#### Description

#### <mpls-lsp-attributes>

##### Usage

```

<mpls-restart-lsp>
  <mpls-lsp-attributes>
    <signal-type>
      signal-type
    </signal-type>
    <encoding-type>
      encoding-type
    </encoding-type>
    <switching-type>

```

```
    switching-type
  </switching-type>
  <gp-id>
    gp-id
  </gp-id>
  <protection-type>
    protection-type
  </protection-type>
</mpls-lsp-attributes>
</mpls-restart-lsp>
```

#### Description

### <mpls-lsp-attributes>

#### Usage

```
<mpls-restart-database-information>
  <mpls-restart-database>
    <mpls-restart-lsp>
      <mpls-lsp-attributes>
        <signal-type>
          signal-type
        </signal-type>
        <encoding-type>
          encoding-type
        </encoding-type>
        <switching-type>
          switching-type
        </switching-type>
        <gp-id>
          gp-id
        </gp-id>
        <protection-type>
          protection-type
        </protection-type>
      </mpls-lsp-attributes>
    </mpls-restart-lsp>
  </mpls-restart-database>
</mpls-restart-database-information>
```

#### Description

### <mpls-lsp-attributes>

#### Usage

```
<mpls-p2mp-restart-lsp>
  <mpls-restart-lsp>
    <mpls-lsp-attributes>
      <signal-type>
        signal-type
      </signal-type>
      <encoding-type>
        encoding-type
      </encoding-type>
```

```

    <switching-type>
      switching-type
    </switching-type>
    <gp-id>
      gp-id
    </gp-id>
    <protection-type>
      protection-type
    </protection-type>
  </mpls-lsp-attributes>
</mpls-restart-lsp>
</mpls-p2mp-restart-lsp>

```

#### Description

#### <mpls-lsp-attributes>

##### Usage

```

<mpls-p2mp-restart-database-information>
  <mpls-p2mp-restart-database>
    <mpls-p2mp-restart-lsp>
      <mpls-restart-lsp>
        <mpls-lsp-attributes>
          <signal-type>
            signal-type
          </signal-type>
          <encoding-type>
            encoding-type
          </encoding-type>
          <switching-type>
            switching-type
          </switching-type>
          <gp-id>
            gp-id
          </gp-id>
          <protection-type>
            protection-type
          </protection-type>
        </mpls-lsp-attributes>
      </mpls-restart-lsp>
    </mpls-p2mp-restart-lsp>
  </mpls-p2mp-restart-database>
</mpls-p2mp-restart-database-information>

```

#### Description

#### <mpls-lsp-attributes>

##### Usage

```

<mpls-call-admission-control-information>
  <mpls-call-admission-control>
    <mpls-lsp>
      <mpls-lsp-attributes>
        <signal-type>

```

```
    signal-type
  </signal-type>
  <encoding-type>
    encoding-type
  </encoding-type>
  <switching-type>
    switching-type
  </switching-type>
  <gp-id>
    gp-id
  </gp-id>
  <protection-type>
    protection-type
  </protection-type>
</mpls-lsp-attributes>
</mpls-lsp>
</mpls-call-admission-control>
</mpls-call-admission-control-information>
```

## Description

### <mpls-lsp-autobandwidth>

#### Usage

```
<rsvp-session-data>
  <rsvp-session>
    <mpls-lsp>
      <mpls-lsp-autobandwidth>
        <monitor-lsp-bandwidth>
          monitor-lsp-bandwidth
        </monitor-lsp-bandwidth>
        <minimum-bandwidth>
          minimum-bandwidth
        </minimum-bandwidth>
        <maximum-bandwidth>
          maximum-bandwidth
        </maximum-bandwidth>
        <adjust-timer>
          adjust-timer
        </adjust-timer>
        <bandwidth>
          bandwidth
        </bandwidth>
        <time-to-adjust>
          time-to-adjust
        </time-to-adjust>
        <adjust-threshold>
          adjust-threshold
        </adjust-threshold>
        <overflow-limit>
          overflow-limit
        </overflow-limit>
        <overflow-sample-count>
          overflow-sample-count
        </overflow-sample-count>
```



```

    <underflow-limit>
      underflow-limit
    </underflow-limit>
    <underflow-sample-count>
      underflow-sample-count
    </underflow-sample-count>
  </mpls-lsp-autobandwidth>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>

```

## Description

### <mpls-lsp-autobandwidth>

#### Usage

```

<rsvp-session>
  <mpls-lsp>
    <mpls-lsp-autobandwidth>
      <monitor-lsp-bandwidth>
        monitor-lsp-bandwidth
      </monitor-lsp-bandwidth>
      <minimum-bandwidth>
        minimum-bandwidth
      </minimum-bandwidth>
      <maximum-bandwidth>
        maximum-bandwidth
      </maximum-bandwidth>
      <adjust-timer>
        adjust-timer
      </adjust-timer>
      <bandwidth>
        bandwidth
      </bandwidth>
      <time-to-adjust>
        time-to-adjust
      </time-to-adjust>
      <adjust-threshold>
        adjust-threshold
      </adjust-threshold>
      <overflow-limit>
        overflow-limit
      </overflow-limit>
      <overflow-sample-count>
        overflow-sample-count
      </overflow-sample-count>
      <underflow-limit>
        underflow-limit
      </underflow-limit>
      <underflow-sample-count>
        underflow-sample-count
      </underflow-sample-count>
    </mpls-lsp-autobandwidth>
  </mpls-lsp>

```

</rsvp-session>

## Description

### <mpls-lsp-autobandwidth>

#### Usage

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <mpls-lsp-autobandwidth>
          <monitor-lsp-bandwidth>
            monitor-lsp-bandwidth
          </monitor-lsp-bandwidth>
          <minimum-bandwidth>
            minimum-bandwidth
          </minimum-bandwidth>
          <maximum-bandwidth>
            maximum-bandwidth
          </maximum-bandwidth>
          <adjust-timer>
            adjust-timer
          </adjust-timer>
          <bandwidth>
            bandwidth
          </bandwidth>
          <time-to-adjust>
            time-to-adjust
          </time-to-adjust>
          <adjust-threshold>
            adjust-threshold
          </adjust-threshold>
          <overflow-limit>
            overflow-limit
          </overflow-limit>
          <overflow-sample-count>
            overflow-sample-count
          </overflow-sample-count>
          <underflow-limit>
            underflow-limit
          </underflow-limit>
          <underflow-sample-count>
            underflow-sample-count
          </underflow-sample-count>
        </mpls-lsp-autobandwidth>
      </mpls-lsp>
    </rsvp-session>
  </rsvp-session-data>
</rsvp-session-information>
```

## Description

## <mpls-lsp-autobandwidth>

### Usage

```

<mpls-lsp-autobandwidth>
  <monitor-lsp-bandwidth>
    monitor-lsp-bandwidth
  </monitor-lsp-bandwidth>
  <minimum-bandwidth>
    minimum-bandwidth
  </minimum-bandwidth>
  <maximum-bandwidth>
    maximum-bandwidth
  </maximum-bandwidth>
  <adjust-timer>
    adjust-timer
  </adjust-timer>
  <bandwidth>
    bandwidth
  </bandwidth>
  <time-to-adjust>
    time-to-adjust
  </time-to-adjust>
  <adjust-threshold>
    adjust-threshold
  </adjust-threshold>
  <overflow-limit>
    overflow-limit
  </overflow-limit>
  <overflow-sample-count>
    overflow-sample-count
  </overflow-sample-count>
  <underflow-limit>
    underflow-limit
  </underflow-limit>
  <underflow-sample-count>
    underflow-sample-count
  </underflow-sample-count>
</mpls-lsp-autobandwidth>

```

### Description

## <mpls-lsp-autobandwidth>

### Usage

```

<mpls-lsp>
  <mpls-lsp-autobandwidth>
    <monitor-lsp-bandwidth>
      monitor-lsp-bandwidth
    </monitor-lsp-bandwidth>
    <minimum-bandwidth>
      minimum-bandwidth
    </minimum-bandwidth>
    <maximum-bandwidth>
      maximum-bandwidth

```

```
</maximum-bandwidth>
<adjust-timer>
  adjust-timer
</adjust-timer>
<bandwidth>
  bandwidth
</bandwidth>
<time-to-adjust>
  time-to-adjust
</time-to-adjust>
<adjust-threshold>
  adjust-threshold
</adjust-threshold>
<overflow-limit>
  overflow-limit
</overflow-limit>
<overflow-sample-count>
  overflow-sample-count
</overflow-sample-count>
<underflow-limit>
  underflow-limit
</underflow-limit>
<underflow-sample-count>
  underflow-sample-count
</underflow-sample-count>
</mpls-lsp-autobandwidth>
</mpls-lsp>
```

## Description

### <mpls-lsp-autobandwidth>

#### Usage

```
<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <mpls-lsp-autobandwidth>
          <monitor-lsp-bandwidth>
            monitor-lsp-bandwidth
          </monitor-lsp-bandwidth>
          <minimum-bandwidth>
            minimum-bandwidth
          </minimum-bandwidth>
          <maximum-bandwidth>
            maximum-bandwidth
          </maximum-bandwidth>
          <adjust-timer>
            adjust-timer
          </adjust-timer>
          <bandwidth>
            bandwidth
          </bandwidth>
          <time-to-adjust>
            time-to-adjust
```

```

    </time-to-adjust>
    <adjust-threshold>
      adjust-threshold
    </adjust-threshold>
    <overflow-limit>
      overflow-limit
    </overflow-limit>
    <overflow-sample-count>
      overflow-sample-count
    </overflow-sample-count>
    <underflow-limit>
      underflow-limit
    </underflow-limit>
    <underflow-sample-count>
      underflow-sample-count
    </underflow-sample-count>
  </mpls-lsp-autobandwidth>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>

```

## Description

### <mpls-lsp-autobandwidth>

#### Usage

```

<mpls-call-admission-control-information>
  <mpls-call-admission-control>
    <mpls-lsp>
      <mpls-lsp-autobandwidth>
        <monitor-lsp-bandwidth>
          monitor-lsp-bandwidth
        </monitor-lsp-bandwidth>
        <minimum-bandwidth>
          minimum-bandwidth
        </minimum-bandwidth>
        <maximum-bandwidth>
          maximum-bandwidth
        </maximum-bandwidth>
        <adjust-timer>
          adjust-timer
        </adjust-timer>
        <bandwidth>
          bandwidth
        </bandwidth>
        <time-to-adjust>
          time-to-adjust
        </time-to-adjust>
        <adjust-threshold>
          adjust-threshold
        </adjust-threshold>
        <overflow-limit>
          overflow-limit
        </overflow-limit>
      </mpls-lsp-autobandwidth>
    </mpls-lsp>
  </mpls-call-admission-control>
</mpls-call-admission-control-information>

```

```
<overflow-sample-count>
  overflow-sample-count
</overflow-sample-count>
<underflow-limit>
  underflow-limit
</underflow-limit>
<underflow-sample-count>
  underflow-sample-count
</underflow-sample-count>
</mpls-lsp-autobandwidth>
</mpls-lsp>
</mpls-call-admission-control>
</mpls-call-admission-control-information>
```

#### Description

### <mpls-lsp-defaults>

#### Usage

```
<mpls-lsp-defaults>
  <lsp-setup-priority>
    lsp-setup-priority
  </lsp-setup-priority>
  <lsp-hold-priority>
    lsp-hold-priority
  </lsp-hold-priority>
  <lsp-retry-timer>
    lsp-retry-timer
  </lsp-retry-timer>
  <lsp-hoplimit>
    lsp-hoplimit
  </lsp-hoplimit>
  <lsp-bandwidth>
    lsp-bandwidth
  </lsp-bandwidth>
</mpls-lsp-defaults>
```

#### Description

### <mpls-lsp-defaults>

#### Usage

```
<mpls-lsp-defaults-information>
  <mpls-lsp-defaults>
    <lsp-setup-priority>
      lsp-setup-priority
    </lsp-setup-priority>
    <lsp-hold-priority>
      lsp-hold-priority
    </lsp-hold-priority>
    <lsp-retry-timer>
      lsp-retry-timer
    </lsp-retry-timer>
    <lsp-hoplimit>
```

```

    lsp-hoplimit
  </lsp-hoplimit>
  <lsp-bandwidth>
    lsp-bandwidth
  </lsp-bandwidth>
</mpls-lsp-defaults>
</mpls-lsp-defaults-information>

```

#### Description

### <mpls-lsp-defaults-information>

#### Usage

```

<mpls-lsp-defaults-information>
  <mpls-lsp-defaults>....</mpls-lsp-defaults>
</mpls-lsp-defaults-information>

```

#### Description

### <mpls-lsp-information>

#### Usage

```

<mpls-lsp-information>
  <rsvp-session-data>....</rsvp-session-data>
</mpls-lsp-information>

```

#### Description

### <mpls-lsp-path>

#### Usage

```

<rsvp-session-data>
  <rsvp-session>
    <mpls-lsp>
      <mpls-lsp-path>
        <path-active>
          path-active
        </path-active>
        <title>
          title
        </title>
        <name>
          name
        </name>
        <path-state>
          path-state
        </path-state>
        <cos>
          cos
        </cos>
        <no-decrement-ttl>
          no-decrement-ttl
        </no-decrement-ttl>
      </mpls-lsp-path>
    </mpls-lsp>
  </rsvp-session>
</rsvp-session-data>

```

```
<preference>
  preference
</preference>
<path-soft-preemption-pending>
  path-soft-preemption-pending
</path-soft-preemption-pending>
<setup-priority>
  setup-priority
</setup-priority>
<hold-priority>
  hold-priority
</hold-priority>
<bandwidth>
  bandwidth
</bandwidth>
<actual-bandwidth>
  actual-bandwidth
</actual-bandwidth>
<per-class-bandwidth-heading>
  per-class-bandwidth-heading
</per-class-bandwidth-heading>
<bandwidth_ct0>
  bandwidth_ct0
</bandwidth_ct0>
<bandwidth_ct1>
  bandwidth_ct1
</bandwidth_ct1>
<bandwidth_ct2>
  bandwidth_ct2
</bandwidth_ct2>
<bandwidth_ct3>
  bandwidth_ct3
</bandwidth_ct3>
<path-adaptive>
  path-adaptive
</path-adaptive>
<path-no-recordroute>
  path-no-recordroute
</path-no-recordroute>
<hoplimit>
  hoplimit
</hoplimit>
<optimize-timer>
  optimize-timer
</optimize-timer>
<smart-optimize-timer>
  smart-optimize-timer
</smart-optimize-timer>
<admin-groups>....</admin-groups>
<admin-groups-extended>....</admin-groups-extended>
<retry-timer>
  retry-timer
</retry-timer>
<retry-limit>
  retry-limit
</retry-limit>
```



```

    <cspf-status>
      cspf-status
    </cspf-status>
    <explicit-route>....</explicit-route>
    <received-rro>
      received-rro
    </received-rro>
    <oam-state>....</oam-state>
    <path-history>....</path-history>
    <path-available-bandwidth>....</path-available-bandwidth>
    <layer2-connection>....</layer2-connection>
  </mpls-lsp-path>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>

```

**Description** Primary or secondary LSP path

### <mpls-lsp-path>

#### Usage

```

<rsvp-session>
  <mpls-lsp>
    <mpls-lsp-path>
      <path-active>
        path-active
      </path-active>
      <title>
        title
      </title>
      <name>
        name
      </name>
      <path-state>
        path-state
      </path-state>
      <cos>
        cos
      </cos>
      <no-decrement-ttl>
        no-decrement-ttl
      </no-decrement-ttl>
      <preference>
        preference
      </preference>
      <path-soft-preemption-pending>
        path-soft-preemption-pending
      </path-soft-preemption-pending>
      <setup-priority>
        setup-priority
      </setup-priority>
      <hold-priority>
        hold-priority
      </hold-priority>
    </mpls-lsp-path>
  </mpls-lsp>
</rsvp-session>

```

```
<bandwidth>
  bandwidth
</bandwidth>
<actual-bandwidth>
  actual-bandwidth
</actual-bandwidth>
<per-class-bandwidth-heading>
  per-class-bandwidth-heading
</per-class-bandwidth-heading>
<bandwidth_ct0>
  bandwidth_ct0
</bandwidth_ct0>
<bandwidth_ct1>
  bandwidth_ct1
</bandwidth_ct1>
<bandwidth_ct2>
  bandwidth_ct2
</bandwidth_ct2>
<bandwidth_ct3>
  bandwidth_ct3
</bandwidth_ct3>
<path-adaptive>
  path-adaptive
</path-adaptive>
<path-no-recordroute>
  path-no-recordroute
</path-no-recordroute>
<hoplimit>
  hoplimit
</hoplimit>
<optimize-timer>
  optimize-timer
</optimize-timer>
<smart-optimize-timer>
  smart-optimize-timer
</smart-optimize-timer>
<admin-groups>....</admin-groups>
<admin-groups-extended>....</admin-groups-extended>
<retry-timer>
  retry-timer
</retry-timer>
<retry-limit>
  retry-limit
</retry-limit>
<cspf-status>
  cspf-status
</cspf-status>
<explicit-route>....</explicit-route>
<received-rro>
  received-rro
</received-rro>
<oam-state>....</oam-state>
<path-history>....</path-history>
<path-available-bandwidth>....</path-available-bandwidth>
<layer2-connection>....</layer2-connection>
</mpls-lsp-path>
```

```

    </mpls-lsp>
  </rsvp-session>

```

**Description** Primary or secondary LSP path

### <mpls-lsp-path>

#### Usage

```

<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <mpls-lsp-path>
          <path-active>
            path-active
          </path-active>
          <title>
            title
          </title>
          <name>
            name
          </name>
          <path-state>
            path-state
          </path-state>
          <cos>
            cos
          </cos>
          <no-decrement-ttl>
            no-decrement-ttl
          </no-decrement-ttl>
          <preference>
            preference
          </preference>
          <path-soft-preemption-pending>
            path-soft-preemption-pending
          </path-soft-preemption-pending>
          <setup-priority>
            setup-priority
          </setup-priority>
          <hold-priority>
            hold-priority
          </hold-priority>
          <bandwidth>
            bandwidth
          </bandwidth>
          <actual-bandwidth>
            actual-bandwidth
          </actual-bandwidth>
          <per-class-bandwidth-heading>
            per-class-bandwidth-heading
          </per-class-bandwidth-heading>
          <bandwidth_ct0>
            bandwidth_ct0

```

```
</bandwidth_ct0>
<bandwidth_ct1>
  bandwidth_ct1
</bandwidth_ct1>
<bandwidth_ct2>
  bandwidth_ct2
</bandwidth_ct2>
<bandwidth_ct3>
  bandwidth_ct3
</bandwidth_ct3>
<path-adaptive>
  path-adaptive
</path-adaptive>
<path-no-recordroute>
  path-no-recordroute
</path-no-recordroute>
<hoplimit>
  hoplimit
</hoplimit>
<optimize-timer>
  optimize-timer
</optimize-timer>
<smart-optimize-timer>
  smart-optimize-timer
</smart-optimize-timer>
<admin-groups>....</admin-groups>
<admin-groups-extended>....</admin-groups-extended>
<retry-timer>
  retry-timer
</retry-timer>
<retry-limit>
  retry-limit
</retry-limit>
<cspf-status>
  cspf-status
</cspf-status>
<explicit-route>....</explicit-route>
<received-rro>
  received-rro
</received-rro>
<oam-state>....</oam-state>
<path-history>....</path-history>
<path-available-bandwidth>....</path-available-bandwidth>
<layer2-connection>....</layer2-connection>
</mpls-lsp-path>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>
```

**Description** Primary or secondary LSP path

## <mpls-lsp-path>

### Usage

```

<mpls-lsp-path>
  <path-active>
    path-active
  </path-active>
  <title>
    title
  </title>
  <name>
    name
  </name>
  <path-state>
    path-state
  </path-state>
  <cos>
    cos
  </cos>
  <no-decrement-ttl>
    no-decrement-ttl
  </no-decrement-ttl>
  <preference>
    preference
  </preference>
  <path-soft-preemption-pending>
    path-soft-preemption-pending
  </path-soft-preemption-pending>
  <setup-priority>
    setup-priority
  </setup-priority>
  <hold-priority>
    hold-priority
  </hold-priority>
  <bandwidth>
    bandwidth
  </bandwidth>
  <actual-bandwidth>
    actual-bandwidth
  </actual-bandwidth>
  <per-class-bandwidth-heading>
    per-class-bandwidth-heading
  </per-class-bandwidth-heading>
  <bandwidth_ct0>
    bandwidth_ct0
  </bandwidth_ct0>
  <bandwidth_ct1>
    bandwidth_ct1
  </bandwidth_ct1>
  <bandwidth_ct2>
    bandwidth_ct2
  </bandwidth_ct2>
  <bandwidth_ct3>
    bandwidth_ct3
  </bandwidth_ct3>

```

```
<path-adaptive>
  path-adaptive
</path-adaptive>
<path-no-recordroute>
  path-no-recordroute
</path-no-recordroute>
<hoplimit>
  hoplimit
</hoplimit>
<optimize-timer>
  optimize-timer
</optimize-timer>
<smart-optimize-timer>
  smart-optimize-timer
</smart-optimize-timer>
<admin-groups>....</admin-groups>
<admin-groups-extended>....</admin-groups-extended>
<retry-timer>
  retry-timer
</retry-timer>
<retry-limit>
  retry-limit
</retry-limit>
<cspf-status>
  cspf-status
</cspf-status>
<explicit-route>....</explicit-route>
<received-rro>
  received-rro
</received-rro>
<oam-state>....</oam-state>
<path-history>....</path-history>
<path-available-bandwidth>....</path-available-bandwidth>
<layer2-connection>....</layer2-connection>
</mpls-lsp-path>
```

**Description** Primary or secondary LSP path

## <mpls-lsp-path>

### Usage

```
<mpls-lsp>
  <mpls-lsp-path>
    <path-active>
      path-active
    </path-active>
    <title>
      title
    </title>
    <name>
      name
    </name>
    <path-state>
      path-state
```

```
</path-state>
<cos>
  cos
</cos>
<no-decrement-ttl>
  no-decrement-ttl
</no-decrement-ttl>
<preference>
  preference
</preference>
<path-soft-preemption-pending>
  path-soft-preemption-pending
</path-soft-preemption-pending>
<setup-priority>
  setup-priority
</setup-priority>
<hold-priority>
  hold-priority
</hold-priority>
<bandwidth>
  bandwidth
</bandwidth>
<actual-bandwidth>
  actual-bandwidth
</actual-bandwidth>
<per-class-bandwidth-heading>
  per-class-bandwidth-heading
</per-class-bandwidth-heading>
<bandwidth_ct0>
  bandwidth_ct0
</bandwidth_ct0>
<bandwidth_ct1>
  bandwidth_ct1
</bandwidth_ct1>
<bandwidth_ct2>
  bandwidth_ct2
</bandwidth_ct2>
<bandwidth_ct3>
  bandwidth_ct3
</bandwidth_ct3>
<path-adaptive>
  path-adaptive
</path-adaptive>
<path-no-recordroute>
  path-no-recordroute
</path-no-recordroute>
<hoplimit>
  hoplimit
</hoplimit>
<optimize-timer>
  optimize-timer
</optimize-timer>
<smart-optimize-timer>
  smart-optimize-timer
</smart-optimize-timer>
<admin-groups>....</admin-groups>
```

```
<admin-groups-extended>....</admin-groups-extended>
<retry-timer>
  retry-timer
</retry-timer>
<retry-limit>
  retry-limit
</retry-limit>
<cspf-status>
  cspf-status
</cspf-status>
<explicit-route>....</explicit-route>
<received-rro>
  received-rro
</received-rro>
<oam-state>....</oam-state>
<path-history>....</path-history>
<path-available-bandwidth>....</path-available-bandwidth>
<layer2-connection>....</layer2-connection>
</mpls-lsp-path>
</mpls-lsp>
```

**Description** Primary or secondary LSP path

## <mpls-lsp-path>

### Usage

```
<mpls-lsp-information>
<rsvp-session-data>
  <rsvp-session>
    <mpls-lsp>
      <mpls-lsp-path>
        <path-active>
          path-active
        </path-active>
        <title>
          title
        </title>
        <name>
          name
        </name>
        <path-state>
          path-state
        </path-state>
        <cos>
          cos
        </cos>
        <no-decrement-ttl>
          no-decrement-ttl
        </no-decrement-ttl>
        <preference>
          preference
        </preference>
        <path-soft-preemption-pending>
          path-soft-preemption-pending
```



```
</path-soft-preemption-pending>
<setup-priority>
  setup-priority
</setup-priority>
<hold-priority>
  hold-priority
</hold-priority>
<bandwidth>
  bandwidth
</bandwidth>
<actual-bandwidth>
  actual-bandwidth
</actual-bandwidth>
<per-class-bandwidth-heading>
  per-class-bandwidth-heading
</per-class-bandwidth-heading>
<bandwidth_ct0>
  bandwidth_ct0
</bandwidth_ct0>
<bandwidth_ct1>
  bandwidth_ct1
</bandwidth_ct1>
<bandwidth_ct2>
  bandwidth_ct2
</bandwidth_ct2>
<bandwidth_ct3>
  bandwidth_ct3
</bandwidth_ct3>
<path-adaptive>
  path-adaptive
</path-adaptive>
<path-no-recordroute>
  path-no-recordroute
</path-no-recordroute>
<hoplimit>
  hoplimit
</hoplimit>
<optimize-timer>
  optimize-timer
</optimize-timer>
<smart-optimize-timer>
  smart-optimize-timer
</smart-optimize-timer>
<admin-groups>....</admin-groups>
<admin-groups-extended>....</admin-groups-extended>
<retry-timer>
  retry-timer
</retry-timer>
<retry-limit>
  retry-limit
</retry-limit>
<cspf-status>
  cspf-status
</cspf-status>
<explicit-route>....</explicit-route>
<received-rro>
```

```
        received-rro
      </received-rro>
      <oam-state>....</oam-state>
      <path-history>....</path-history>
      <path-available-bandwidth>....</path-available-bandwidth>
      <layer2-connection>....</layer2-connection>
    </mpls-lsp-path>
  </mpls-lsp>
</rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>
```

**Description** Primary or secondary LSP path

### <mpls-lsp-path>

#### Usage

```
<mpls-call-admission-control-information>
  <mpls-call-admission-control>
    <mpls-lsp>
      <mpls-lsp-path>
        <path-active>
          path-active
        </path-active>
        <title>
          title
        </title>
        <name>
          name
        </name>
        <path-state>
          path-state
        </path-state>
        <cos>
          cos
        </cos>
        <no-decrement-ttl>
          no-decrement-ttl
        </no-decrement-ttl>
        <preference>
          preference
        </preference>
        <path-soft-preemption-pending>
          path-soft-preemption-pending
        </path-soft-preemption-pending>
        <setup-priority>
          setup-priority
        </setup-priority>
        <hold-priority>
          hold-priority
        </hold-priority>
        <bandwidth>
          bandwidth
        </bandwidth>
```

```
<actual-bandwidth>
  actual-bandwidth
</actual-bandwidth>
<per-class-bandwidth-heading>
  per-class-bandwidth-heading
</per-class-bandwidth-heading>
<bandwidth_ct0>
  bandwidth_ct0
</bandwidth_ct0>
<bandwidth_ct1>
  bandwidth_ct1
</bandwidth_ct1>
<bandwidth_ct2>
  bandwidth_ct2
</bandwidth_ct2>
<bandwidth_ct3>
  bandwidth_ct3
</bandwidth_ct3>
<path-adaptive>
  path-adaptive
</path-adaptive>
<path-no-recordroute>
  path-no-recordroute
</path-no-recordroute>
<hoplimit>
  hoplimit
</hoplimit>
<optimize-timer>
  optimize-timer
</optimize-timer>
<smart-optimize-timer>
  smart-optimize-timer
</smart-optimize-timer>
<admin-groups>....</admin-groups>
<admin-groups-extended>....</admin-groups-extended>
<retry-timer>
  retry-timer
</retry-timer>
<retry-limit>
  retry-limit
</retry-limit>
<cspf-status>
  cspf-status
</cspf-status>
<explicit-route>....</explicit-route>
<received-rro>
  received-rro
</received-rro>
<oam-state>....</oam-state>
<path-history>....</path-history>
<path-available-bandwidth>....</path-available-bandwidth>
<layer2-connection>....</layer2-connection>
</mpls-lsp-path>
</mpls-lsp>
</mpls-call-admission-control>
```

</mpls-call-admission-control-information>

**Description** Primary or secondary LSP path

### <mpls-lsp-replication>

#### Usage

```
<mpls-lsp-replication>
  <mpls-pvc-name>
    mpls-pvc-name
  </mpls-pvc-name>
  <mpls-pvc-state>
    mpls-pvc-state
  </mpls-pvc-state>
  <mpls-pvc-resolved>
    mpls-pvc-resolved
  </mpls-pvc-resolved>
  <mpls-path-resolved>
    mpls-path-resolved
  </mpls-path-resolved>
  <mpls-pvc-replication>....</mpls-pvc-replication>
  <mpls-path-replication>....</mpls-path-replication>
</mpls-lsp-replication>
```

**Description** MPLS LSP replication entry

### <mpls-lsp-replication>

#### Usage

```
<mpls-lsp-replication-information>
  <mpls-lsp-replication>
    <mpls-pvc-name>
      mpls-pvc-name
    </mpls-pvc-name>
    <mpls-pvc-state>
      mpls-pvc-state
    </mpls-pvc-state>
    <mpls-pvc-resolved>
      mpls-pvc-resolved
    </mpls-pvc-resolved>
    <mpls-path-resolved>
      mpls-path-resolved
    </mpls-path-resolved>
    <mpls-pvc-replication>....</mpls-pvc-replication>
    <mpls-path-replication>....</mpls-path-replication>
  </mpls-lsp-replication>
</mpls-lsp-replication-information>
```

**Description** MPLS LSP replication entry

**<mpls-lsp-replication-information>****Usage**

```

<mpls-lsp-replication-information>
  <mpls-lsp-replication>....</mpls-lsp-replication>
</mpls-lsp-replication-information>

```

**Description** Information about one or more MPLS replication lsps

**<mpls-oam-ldp-replication>****Usage**

```

<mpls-oam-ldp-replication>
  <mpls-oam-instance-id>
    mpls-oam-instance-id
  </mpls-oam-instance-id>
  <mpls-oam-type>
    mpls-oam-type
  </mpls-oam-type>
  <mpls-oam-ldp-fec>
    mpls-oam-ldp-fec
  </mpls-oam-ldp-fec>
  <mpls-oam-ldp-fec-len>
    mpls-oam-ldp-fec-len
  </mpls-oam-ldp-fec-len>
  <mpls-oam-bfd-dest-addr>
    mpls-oam-bfd-dest-addr
  </mpls-oam-bfd-dest-addr>
  <mpls-mirror-oam-local-bfd-disc>
    mpls-mirror-oam-local-bfd-disc
  </mpls-mirror-oam-local-bfd-disc>
  <mpls-oam-ldp-source>
    mpls-oam-ldp-source
  </mpls-oam-ldp-source>
  <mpls-mirror-oam-remote-bfd-disc>
    mpls-mirror-oam-remote-bfd-disc
  </mpls-mirror-oam-remote-bfd-disc>
  <mpls-mirror-oam-refcount>
    mpls-mirror-oam-refcount
  </mpls-mirror-oam-refcount>
  <mpls-mirror-oam-address>
    mpls-mirror-oam-address
  </mpls-mirror-oam-address>
  <mpls-mirror-oam-mpls-oam-address>
    mpls-mirror-oam-mpls-oam-address
  </mpls-mirror-oam-mpls-oam-address>
</mpls-oam-ldp-replication>

```

**Description** MPLS OAM LDP replication entry

## <mpls-oam-ldp-replication>

### Usage

```
<mpls-oam-ldp-replication-information>
  <mpls-oam-ldp-replication>
    <mpls-oam-instance-id>
      mpls-oam-instance-id
    </mpls-oam-instance-id>
    <mpls-oam-type>
      mpls-oam-type
    </mpls-oam-type>
    <mpls-oam-ldp-fec>
      mpls-oam-ldp-fec
    </mpls-oam-ldp-fec>
    <mpls-oam-ldp-fec-len>
      mpls-oam-ldp-fec-len
    </mpls-oam-ldp-fec-len>
    <mpls-oam-bfd-dest-addr>
      mpls-oam-bfd-dest-addr
    </mpls-oam-bfd-dest-addr>
    <mpls-mirror-oam-local-bfd-disc>
      mpls-mirror-oam-local-bfd-disc
    </mpls-mirror-oam-local-bfd-disc>
    <mpls-oam-ldp-source>
      mpls-oam-ldp-source
    </mpls-oam-ldp-source>
    <mpls-mirror-oam-remote-bfd-disc>
      mpls-mirror-oam-remote-bfd-disc
    </mpls-mirror-oam-remote-bfd-disc>
    <mpls-mirror-oam-refcount>
      mpls-mirror-oam-refcount
    </mpls-mirror-oam-refcount>
    <mpls-mirror-oam-address>
      mpls-mirror-oam-address
    </mpls-mirror-oam-address>
    <mpls-mirror-oam-mpls-oam-address>
      mpls-mirror-oam-mpls-oam-address
    </mpls-mirror-oam-mpls-oam-address>
  </mpls-oam-ldp-replication>
</mpls-oam-ldp-replication-information>
```

**Description** MPLS OAM LDP replication entry

## <mpls-oam-ldp-replication-information>

### Usage

```
<mpls-oam-ldp-replication-information>
  <mpls-oam-ldp-replication>....</mpls-oam-ldp-replication>
</mpls-oam-ldp-replication-information>
```

**Description**

## <mpls-p2mp-lsp>

### Usage

```

<rsvp-session-data>
  <mpls-p2mp-lsp>
    <mpls-p2mp-name>
      mpls-p2mp-name
    </mpls-p2mp-name>
    <mpls-p2mp-branch-count>
      mpls-p2mp-branch-count
    </mpls-p2mp-branch-count>
  </mpls-p2mp-lsp>
</rsvp-session-data>

```

### Description

## <mpls-p2mp-lsp>

### Usage

```

<rsvp-session-information>
  <rsvp-session-data>
    <mpls-p2mp-lsp>
      <mpls-p2mp-name>
        mpls-p2mp-name
      </mpls-p2mp-name>
      <mpls-p2mp-branch-count>
        mpls-p2mp-branch-count
      </mpls-p2mp-branch-count>
    </mpls-p2mp-lsp>
  </rsvp-session-data>
</rsvp-session-information>

```

### Description

## <mpls-p2mp-lsp>

### Usage

```

<mpls-lsp-information>
  <rsvp-session-data>
    <mpls-p2mp-lsp>
      <mpls-p2mp-name>
        mpls-p2mp-name
      </mpls-p2mp-name>
      <mpls-p2mp-branch-count>
        mpls-p2mp-branch-count
      </mpls-p2mp-branch-count>
    </mpls-p2mp-lsp>
  </rsvp-session-data>
</mpls-lsp-information>

```

### Description

## <mpls-p2mp-restart-database>

### Usage

```
<mpls-p2mp-restart-database-information>
  <mpls-p2mp-restart-database>
    <mpls-p2mp-restart-lsp>....</mpls-p2mp-restart-lsp>
  </mpls-p2mp-restart-database>
</mpls-p2mp-restart-database-information>
```

### Description

## <mpls-p2mp-restart-database-information>

### Usage

```
<mpls-p2mp-restart-database-information>
  <mpls-p2mp-restart-database>....</mpls-p2mp-restart-database>
</mpls-p2mp-restart-database-information>
```

### Description

## <mpls-p2mp-restart-lsp>

### Usage

```
<mpls-p2mp-restart-lsp>
  <name>
    name
  </name>
  <tunnel-id>
    tunnel-id
  </tunnel-id>
  <lsp-id>
    lsp-id
  </lsp-id>
  <lsp-flags>
    lsp-flags
  </lsp-flags>
  <subgroup-id>
    subgroup-id
  </subgroup-id>
  <application-owner>
    application-owner
  </application-owner>
  <branch-lsp-count>
    branch-lsp-count
  </branch-lsp-count>
  <mpls-restart-lsp>....</mpls-restart-lsp>
</mpls-p2mp-restart-lsp>
```

### Description



**<mpls-p2mp-restart-lsp>****Usage**

```

<mpls-p2mp-restart-database-information>
  <mpls-p2mp-restart-database>
    <mpls-p2mp-restart-lsp>
      <name>
        name
      </name>
      <tunnel-id>
        tunnel-id
      </tunnel-id>
      <lsp-id>
        lsp-id
      </lsp-id>
      <lsp-flags>
        lsp-flags
      </lsp-flags>
      <subgroup-id>
        subgroup-id
      </subgroup-id>
      <application-owner>
        application-owner
      </application-owner>
      <branch-lsp-count>
        branch-lsp-count
      </branch-lsp-count>
      <mpls-restart-lsp>.....</mpls-restart-lsp>
    </mpls-p2mp-restart-lsp>
  </mpls-p2mp-restart-database>
</mpls-p2mp-restart-database-information>

```

**Description****<mpls-path>****Usage**

```

<mpls-path>
  <name>
    name
  </name>
  <address>
    address
  </address>
  <path-type>
    path-type
  </path-type>
  <telink-id>
    telink-id
  </telink-id>
</mpls-path>

```

**Description**

## <mpls-path>

### Usage

```
<mpls-path-information>
  <mpls-path>
    <name>
      name
    </name>
    <address>
      address
    </address>
    <path-type>
      path-type
    </path-type>
    <telink-id>
      telink-id
    </telink-id>
  </mpls-path>
</mpls-path-information>
```

### Description

## <mpls-path-information>

### Usage

```
<mpls-path-information>
  <mpls-path>....</mpls-path>
</mpls-path-information>
```

### Description

## <mpls-path-inst-repl>

### Usage

```
<mpls-path-inst-repl>
  <psb-id>
    psb-id
  </psb-id>
  <explicit-route>....</explicit-route>
  <mpls-path-inst-state>
    mpls-path-inst-state
  </mpls-path-inst-state>
  <mpls-path-inst-metric>
    mpls-path-inst-metric
  </mpls-path-inst-metric>
  <mpls-path-inst-src-port>
    mpls-path-inst-src-port
  </mpls-path-inst-src-port>
</mpls-path-inst-repl>
```

### Description

**<mpls-path-inst-repl>****Usage**

```

<mpls-path-replication>
  <mpls-path-inst-repl>
    <psb-id>
      psb-id
    </psb-id>
    <explicit-route>....</explicit-route>
    <mpls-path-inst-state>
      mpls-path-inst-state
    </mpls-path-inst-state>
    <mpls-path-inst-metric>
      mpls-path-inst-metric
    </mpls-path-inst-metric>
    <mpls-path-inst-src-port>
      mpls-path-inst-src-port
    </mpls-path-inst-src-port>
  </mpls-path-inst-repl>
</mpls-path-replication>

```

**Description****<mpls-path-inst-repl>****Usage**

```

<mpls-path-replication-information>
  <mpls-path-replication>
    <mpls-path-inst-repl>
      <psb-id>
        psb-id
      </psb-id>
      <explicit-route>....</explicit-route>
      <mpls-path-inst-state>
        mpls-path-inst-state
      </mpls-path-inst-state>
      <mpls-path-inst-metric>
        mpls-path-inst-metric
      </mpls-path-inst-metric>
      <mpls-path-inst-src-port>
        mpls-path-inst-src-port
      </mpls-path-inst-src-port>
    </mpls-path-inst-repl>
  </mpls-path-replication>
</mpls-path-replication-information>

```

**Description****<mpls-path-inst-repl>****Usage**

```

<mpls-lsp-replication>
  <mpls-path-replication>

```

```
<mpls-path-inst-repl>
  <psb-id>
    psb-id
  </psb-id>
  <explicit-route>....</explicit-route>
  <mpls-path-inst-state>
    mpls-path-inst-state
  </mpls-path-inst-state>
  <mpls-path-inst-metric>
    mpls-path-inst-metric
  </mpls-path-inst-metric>
  <mpls-path-inst-src-port>
    mpls-path-inst-src-port
  </mpls-path-inst-src-port>
</mpls-path-inst-repl>
</mpls-path-replication>
</mpls-lsp-replication>
```

#### Description

### <mpls-path-inst-repl>

#### Usage

```
<mpls-lsp-replication-information>
  <mpls-lsp-replication>
    <mpls-path-replication>
      <mpls-path-inst-repl>
        <psb-id>
          psb-id
        </psb-id>
        <explicit-route>....</explicit-route>
        <mpls-path-inst-state>
          mpls-path-inst-state
        </mpls-path-inst-state>
        <mpls-path-inst-metric>
          mpls-path-inst-metric
        </mpls-path-inst-metric>
        <mpls-path-inst-src-port>
          mpls-path-inst-src-port
        </mpls-path-inst-src-port>
      </mpls-path-inst-repl>
    </mpls-path-replication>
  </mpls-lsp-replication>
</mpls-lsp-replication-information>
```

#### Description

### <mpls-path-replication>

#### Usage

```
<mpls-path-replication>
  <mpls-path-type>
    mpls-path-type
  </mpls-path-type>
```

```

<mpls-path-name>
  mpls-path-name
</mpls-path-name>
<mpls-path-pvc-name>
  mpls-path-pvc-name
</mpls-path-pvc-name>
<mpls-path-resolved>
  mpls-path-resolved
</mpls-path-resolved>
<mpls-path-replication-type>
  mpls-path-replication-type
</mpls-path-replication-type>
<mpls-path-active-bw>
  mpls-path-active-bw
</mpls-path-active-bw>
<mpls-path-dst-port>
  mpls-path-dst-port
</mpls-path-dst-port>
<mpls-path-refcount>
  mpls-path-refcount
</mpls-path-refcount>
<mpls-path-inst-repl>....</mpls-path-inst-repl>
</mpls-path-replication>

```

**Description** MPLS PATH replication entry

## <mpls-path-replication>

### Usage

```

<mpls-path-replication-information>
<mpls-path-replication>
  <mpls-path-type>
    mpls-path-type
  </mpls-path-type>
  <mpls-path-name>
    mpls-path-name
  </mpls-path-name>
  <mpls-path-pvc-name>
    mpls-path-pvc-name
  </mpls-path-pvc-name>
  <mpls-path-resolved>
    mpls-path-resolved
  </mpls-path-resolved>
  <mpls-path-replication-type>
    mpls-path-replication-type
  </mpls-path-replication-type>
  <mpls-path-active-bw>
    mpls-path-active-bw
  </mpls-path-active-bw>
  <mpls-path-dst-port>
    mpls-path-dst-port
  </mpls-path-dst-port>
  <mpls-path-refcount>
    mpls-path-refcount

```

```
</mpls-path-refcount>
<mpls-path-inst-repl>....</mpls-path-inst-repl>
</mpls-path-replication>
</mpls-path-replication-information>
```

**Description** MPLS PATH replication entry

### <mpls-path-replication>

#### Usage

```
<mpls-lsp-replication>
<mpls-path-replication>
  <mpls-path-type>
    mpls-path-type
  </mpls-path-type>
  <mpls-path-name>
    mpls-path-name
  </mpls-path-name>
  <mpls-path-pvc-name>
    mpls-path-pvc-name
  </mpls-path-pvc-name>
  <mpls-path-resolved>
    mpls-path-resolved
  </mpls-path-resolved>
  <mpls-path-replication-type>
    mpls-path-replication-type
  </mpls-path-replication-type>
  <mpls-path-active-bw>
    mpls-path-active-bw
  </mpls-path-active-bw>
  <mpls-path-dst-port>
    mpls-path-dst-port
  </mpls-path-dst-port>
  <mpls-path-refcount>
    mpls-path-refcount
  </mpls-path-refcount>
  <mpls-path-inst-repl>....</mpls-path-inst-repl>
</mpls-path-replication>
</mpls-lsp-replication>
```

**Description** MPLS PATH replication entry

### <mpls-path-replication>

#### Usage

```
<mpls-lsp-replication-information>
<mpls-lsp-replication>
  <mpls-path-replication>
    <mpls-path-type>
      mpls-path-type
    </mpls-path-type>
    <mpls-path-name>
```

```

    mpls-path-name
  </mpls-path-name>
  <mpls-path-pvc-name>
    mpls-path-pvc-name
  </mpls-path-pvc-name>
  <mpls-path-resolved>
    mpls-path-resolved
  </mpls-path-resolved>
  <mpls-path-replication-type>
    mpls-path-replication-type
  </mpls-path-replication-type>
  <mpls-path-active-bw>
    mpls-path-active-bw
  </mpls-path-active-bw>
  <mpls-path-dst-port>
    mpls-path-dst-port
  </mpls-path-dst-port>
  <mpls-path-refcount>
    mpls-path-refcount
  </mpls-path-refcount>
  <mpls-path-inst-repl>....</mpls-path-inst-repl>
</mpls-path-replication>
</mpls-lsp-replication>
</mpls-lsp-replication-information>

```

**Description** MPLS PATH replication entry

### <mpls-path-replication-information>

#### Usage

```

<mpls-path-replication-information>
  <mpls-path-replication>....</mpls-path-replication>
</mpls-path-replication-information>

```

**Description** Information about one or more MPLS replication paths

### <mpls-pvc-replication>

#### Usage

```

<mpls-pvc-replication>
  <mpls-pvc-name>
    mpls-pvc-name
  </mpls-pvc-name>
  <mpls-pvc-id>
    mpls-pvc-id
  </mpls-pvc-id>
  <mpls-pvc-dst-port>
    mpls-pvc-dst-port
  </mpls-pvc-dst-port>
  <mpls-pvc-active-path-type>
    mpls-pvc-active-path-type
  </mpls-pvc-active-path-type>

```

```
<mpls-pvc-active-path-name>
  mpls-pvc-active-path-name
</mpls-pvc-active-path-name>
<mpls-pvc-autobw-max-avg>
  mpls-pvc-autobw-max-avg
</mpls-pvc-autobw-max-avg>
<mpls-pvc-refcount>
  mpls-pvc-refcount
</mpls-pvc-refcount>
<mpls-pvc-resolved>
  mpls-pvc-resolved
</mpls-pvc-resolved>
</mpls-pvc-replication>
```

**Description** MPLS PVC replication entry

### <mpls-pvc-replication>

#### Usage

```
<mpls-pvc-replication-information>
  <mpls-pvc-replication>
    <mpls-pvc-name>
      mpls-pvc-name
    </mpls-pvc-name>
    <mpls-pvc-id>
      mpls-pvc-id
    </mpls-pvc-id>
    <mpls-pvc-dst-port>
      mpls-pvc-dst-port
    </mpls-pvc-dst-port>
    <mpls-pvc-active-path-type>
      mpls-pvc-active-path-type
    </mpls-pvc-active-path-type>
    <mpls-pvc-active-path-name>
      mpls-pvc-active-path-name
    </mpls-pvc-active-path-name>
    <mpls-pvc-autobw-max-avg>
      mpls-pvc-autobw-max-avg
    </mpls-pvc-autobw-max-avg>
    <mpls-pvc-refcount>
      mpls-pvc-refcount
    </mpls-pvc-refcount>
    <mpls-pvc-resolved>
      mpls-pvc-resolved
    </mpls-pvc-resolved>
  </mpls-pvc-replication>
</mpls-pvc-replication-information>
```

**Description** MPLS PVC replication entry



**<mpls-pvc-replication>****Usage**

```

<mpls-lsp-replication>
  <mpls-pvc-replication>
    <mpls-pvc-name>
      mpls-pvc-name
    </mpls-pvc-name>
    <mpls-pvc-id>
      mpls-pvc-id
    </mpls-pvc-id>
    <mpls-pvc-dst-port>
      mpls-pvc-dst-port
    </mpls-pvc-dst-port>
    <mpls-pvc-active-path-type>
      mpls-pvc-active-path-type
    </mpls-pvc-active-path-type>
    <mpls-pvc-active-path-name>
      mpls-pvc-active-path-name
    </mpls-pvc-active-path-name>
    <mpls-pvc-autobw-max-avg>
      mpls-pvc-autobw-max-avg
    </mpls-pvc-autobw-max-avg>
    <mpls-pvc-refcount>
      mpls-pvc-refcount
    </mpls-pvc-refcount>
    <mpls-pvc-resolved>
      mpls-pvc-resolved
    </mpls-pvc-resolved>
  </mpls-pvc-replication>
</mpls-lsp-replication>

```

**Description** MPLS PVC replication entry

**<mpls-pvc-replication>****Usage**

```

<mpls-lsp-replication-information>
  <mpls-lsp-replication>
    <mpls-pvc-replication>
      <mpls-pvc-name>
        mpls-pvc-name
      </mpls-pvc-name>
      <mpls-pvc-id>
        mpls-pvc-id
      </mpls-pvc-id>
      <mpls-pvc-dst-port>
        mpls-pvc-dst-port
      </mpls-pvc-dst-port>
      <mpls-pvc-active-path-type>
        mpls-pvc-active-path-type
      </mpls-pvc-active-path-type>
      <mpls-pvc-active-path-name>

```

```
    mpls-pvc-active-path-name
  </mpls-pvc-active-path-name>
  <mpls-pvc-autobw-max-avg>
    mpls-pvc-autobw-max-avg
  </mpls-pvc-autobw-max-avg>
  <mpls-pvc-refcount>
    mpls-pvc-refcount
  </mpls-pvc-refcount>
  <mpls-pvc-resolved>
    mpls-pvc-resolved
  </mpls-pvc-resolved>
</mpls-pvc-replication>
</mpls-lsp-replication>
</mpls-lsp-replication-information>
```

**Description** MPLS PVC replication entry

### <mpls-pvc-replication-information>

**Usage**

```
<mpls-pvc-replication-information>
  <mpls-pvc-replication>....</mpls-pvc-replication>
</mpls-pvc-replication-information>
```

**Description** Information replicated for one or more MPLS PVCs

### <mpls-restart-database>

**Usage**

```
<mpls-restart-database-information>
  <mpls-restart-database>
    <mpls-restart-lsp>....</mpls-restart-lsp>
  </mpls-restart-database>
</mpls-restart-database-information>
```

**Description**

### <mpls-restart-database-information>

**Usage**

```
<mpls-restart-database-information>
  <mpls-restart-database>....</mpls-restart-database>
</mpls-restart-database-information>
```

**Description**

### <mpls-restart-lsp>

**Usage**

```
<mpls-restart-lsp>
  <name>
```

```

    name
  </name>
  <destination-address>
    destination-address
  </destination-address>
  <source-address>
    source-address
  </source-address>
  <lsp-state>
    lsp-state
  </lsp-state>
  <lsp-flags>
    lsp-flags
  </lsp-flags>
  <lsp-path-count>
    lsp-path-count
  </lsp-path-count>
  <mpls-lsp-attributes>....</mpls-lsp-attributes>
  <mpls-restart-path>....</mpls-restart-path>
</mpls-restart-lsp>

```

#### Description

#### <mpls-restart-lsp>

#### Usage

```

<mpls-restart-database-information>
  <mpls-restart-database>
    <mpls-restart-lsp>
      <name>
        name
      </name>
      <destination-address>
        destination-address
      </destination-address>
      <source-address>
        source-address
      </source-address>
      <lsp-state>
        lsp-state
      </lsp-state>
      <lsp-flags>
        lsp-flags
      </lsp-flags>
      <lsp-path-count>
        lsp-path-count
      </lsp-path-count>
      <mpls-lsp-attributes>....</mpls-lsp-attributes>
      <mpls-restart-path>....</mpls-restart-path>
    </mpls-restart-lsp>
  </mpls-restart-database>
</mpls-restart-database-information>

```

#### Description

## <mpls-restart-lsp>

### Usage

```
<mpls-p2mp-restart-lsp>
  <mpls-restart-lsp>
    <name>
      name
    </name>
    <destination-address>
      destination-address
    </destination-address>
    <source-address>
      source-address
    </source-address>
    <lsp-state>
      lsp-state
    </lsp-state>
    <lsp-flags>
      lsp-flags
    </lsp-flags>
    <lsp-path-count>
      lsp-path-count
    </lsp-path-count>
    <mpls-lsp-attributes>....</mpls-lsp-attributes>
    <mpls-restart-path>....</mpls-restart-path>
  </mpls-restart-lsp>
</mpls-p2mp-restart-lsp>
```

### Description

## <mpls-restart-lsp>

### Usage

```
<mpls-p2mp-restart-database-information>
  <mpls-p2mp-restart-database>
    <mpls-p2mp-restart-lsp>
      <mpls-restart-lsp>
        <name>
          name
        </name>
        <destination-address>
          destination-address
        </destination-address>
        <source-address>
          source-address
        </source-address>
        <lsp-state>
          lsp-state
        </lsp-state>
        <lsp-flags>
          lsp-flags
        </lsp-flags>
        <lsp-path-count>
          lsp-path-count
```

```

</lsp-path-count>
<mpls-lsp-attributes>....</mpls-lsp-attributes>
<mpls-restart-path>....</mpls-restart-path>
</mpls-restart-lsp>
</mpls-p2mp-restart-lsp>
</mpls-p2mp-restart-database>
</mpls-p2mp-restart-database-information>

```

## Description

### <mpls-restart-path>

#### Usage

```

<mpls-restart-path>
  <lsp-path-type>
    lsp-path-type
  </lsp-path-type>
  <name>
    name
  </name>
  <path-standby>
    path-standby
  </path-standby>
  <path-active>
    path-active
  </path-active>
  <path-state>
    path-state
  </path-state>
  <lsp-id>
    lsp-id
  </lsp-id>
  <tunnel-id>
    tunnel-id
  </tunnel-id>
  <subgroup-id>
    subgroup-id
  </subgroup-id>
  <path-flags>
    path-flags
  </path-flags>
  <bandwidth>
    bandwidth
  </bandwidth>
  <per-class-bandwidth-heading>
    per-class-bandwidth-heading
  </per-class-bandwidth-heading>
  <bandwidth_ct0>
    bandwidth_ct0
  </bandwidth_ct0>
  <bandwidth_ct1>
    bandwidth_ct1
  </bandwidth_ct1>
  <bandwidth_ct2>
    bandwidth_ct2

```

```
</bandwidth_ct2>
<bandwidth_ct3>
  bandwidth_ct3
</bandwidth_ct3>
<explicit-route>....</explicit-route>
<mpls-restart-rsvp>....</mpls-restart-rsvp>
</mpls-restart-path>
```

## Description

### <mpls-restart-path>

#### Usage

```
<mpls-restart-lsp>
<mpls-restart-path>
  <lsp-path-type>
    lsp-path-type
  </lsp-path-type>
  <name>
    name
  </name>
  <path-standby>
    path-standby
  </path-standby>
  <path-active>
    path-active
  </path-active>
  <path-state>
    path-state
  </path-state>
  <lsp-id>
    lsp-id
  </lsp-id>
  <tunnel-id>
    tunnel-id
  </tunnel-id>
  <subgroup-id>
    subgroup-id
  </subgroup-id>
  <path-flags>
    path-flags
  </path-flags>
  <bandwidth>
    bandwidth
  </bandwidth>
  <per-class-bandwidth-heading>
    per-class-bandwidth-heading
  </per-class-bandwidth-heading>
  <bandwidth_ct0>
    bandwidth_ct0
  </bandwidth_ct0>
  <bandwidth_ct1>
    bandwidth_ct1
  </bandwidth_ct1>
  <bandwidth_ct2>
```

```

    bandwidth_ct2
  </bandwidth_ct2>
  <bandwidth_ct3>
    bandwidth_ct3
  </bandwidth_ct3>
  <explicit-route>....</explicit-route>
  <mpls-restart-rsvp>....</mpls-restart-rsvp>
</mpls-restart-path>
</mpls-restart-lsp>

```

## Description

### <mpls-restart-path>

#### Usage

```

<mpls-restart-database-information>
  <mpls-restart-database>
    <mpls-restart-lsp>
      <mpls-restart-path>
        <lsp-path-type>
          lsp-path-type
        </lsp-path-type>
        <name>
          name
        </name>
        <path-standby>
          path-standby
        </path-standby>
        <path-active>
          path-active
        </path-active>
        <path-state>
          path-state
        </path-state>
        <lsp-id>
          lsp-id
        </lsp-id>
        <tunnel-id>
          tunnel-id
        </tunnel-id>
        <subgroup-id>
          subgroup-id
        </subgroup-id>
        <path-flags>
          path-flags
        </path-flags>
        <bandwidth>
          bandwidth
        </bandwidth>
        <per-class-bandwidth-heading>
          per-class-bandwidth-heading
        </per-class-bandwidth-heading>
        <bandwidth_ct0>
          bandwidth_ct0
        </bandwidth_ct0>
      </mpls-restart-path>
    </mpls-restart-lsp>
  </mpls-restart-database>
</mpls-restart-database-information>

```

```
<bandwidth_ct1>
  bandwidth_ct1
</bandwidth_ct1>
<bandwidth_ct2>
  bandwidth_ct2
</bandwidth_ct2>
<bandwidth_ct3>
  bandwidth_ct3
</bandwidth_ct3>
<explicit-route>....</explicit-route>
<mpls-restart-rsvp>....</mpls-restart-rsvp>
</mpls-restart-path>
</mpls-restart-lsp>
</mpls-restart-database>
</mpls-restart-database-information>
```

## Description

### <mpls-restart-path>

#### Usage

```
<mpls-p2mp-restart-lsp>
  <mpls-restart-lsp>
    <mpls-restart-path>
      <lsp-path-type>
        lsp-path-type
      </lsp-path-type>
      <name>
        name
      </name>
      <path-standby>
        path-standby
      </path-standby>
      <path-active>
        path-active
      </path-active>
      <path-state>
        path-state
      </path-state>
      <lsp-id>
        lsp-id
      </lsp-id>
      <tunnel-id>
        tunnel-id
      </tunnel-id>
      <subgroup-id>
        subgroup-id
      </subgroup-id>
      <path-flags>
        path-flags
      </path-flags>
      <bandwidth>
        bandwidth
      </bandwidth>
      <per-class-bandwidth-heading>
```



```

    per-class-bandwidth-heading
  </per-class-bandwidth-heading>
  <bandwidth_ct0>
    bandwidth_ct0
  </bandwidth_ct0>
  <bandwidth_ct1>
    bandwidth_ct1
  </bandwidth_ct1>
  <bandwidth_ct2>
    bandwidth_ct2
  </bandwidth_ct2>
  <bandwidth_ct3>
    bandwidth_ct3
  </bandwidth_ct3>
  <explicit-route>....</explicit-route>
  <mpls-restart-rsvp>....</mpls-restart-rsvp>
</mpls-restart-path>
</mpls-restart-lsp>
</mpls-p2mp-restart-lsp>

```

#### Description

#### <mpls-restart-path>

#### Usage

```

<mpls-p2mp-restart-database-information>
  <mpls-p2mp-restart-database>
    <mpls-p2mp-restart-lsp>
      <mpls-restart-lsp>
        <mpls-restart-path>
          <lsp-path-type>
            lsp-path-type
          </lsp-path-type>
          <name>
            name
          </name>
          <path-standby>
            path-standby
          </path-standby>
          <path-active>
            path-active
          </path-active>
          <path-state>
            path-state
          </path-state>
          <lsp-id>
            lsp-id
          </lsp-id>
          <tunnel-id>
            tunnel-id
          </tunnel-id>
          <subgroup-id>
            subgroup-id
          </subgroup-id>
          <path-flags>

```

```
    path-flags
  </path-flags>
  <bandwidth>
    bandwidth
  </bandwidth>
  <per-class-bandwidth-heading>
    per-class-bandwidth-heading
  </per-class-bandwidth-heading>
  <bandwidth_ct0>
    bandwidth_ct0
  </bandwidth_ct0>
  <bandwidth_ct1>
    bandwidth_ct1
  </bandwidth_ct1>
  <bandwidth_ct2>
    bandwidth_ct2
  </bandwidth_ct2>
  <bandwidth_ct3>
    bandwidth_ct3
  </bandwidth_ct3>
  <explicit-route>....</explicit-route>
  <mpls-restart-rsvp>....</mpls-restart-rsvp>
</mpls-restart-path>
</mpls-restart-lsp>
</mpls-p2mp-restart-lsp>
</mpls-p2mp-restart-database>
</mpls-p2mp-restart-database-information>
```

## Description

### <mpls-restart-rsvp>

#### Usage

```
<mpls-restart-rsvp>
  <next-hop>
    next-hop
  </next-hop>
  <interface-name>
    interface-name
  </interface-name>
  <telink-name>
    telink-name
  </telink-name>
  <upstream-label-in>
    upstream-label-in
  </upstream-label-in>
  <label-out>
    label-out
  </label-out>
  <self-id>
    self-id
  </self-id>
  <explicit-route>....</explicit-route>
</mpls-restart-rsvp>
```

**Description****<mpls-restart-rsvp>****Usage**

```
<mpls-restart-path>
  <mpls-restart-rsvp>
    <next-hop>
      next-hop
    </next-hop>
    <interface-name>
      interface-name
    </interface-name>
    <telink-name>
      telink-name
    </telink-name>
    <upstream-label-in>
      upstream-label-in
    </upstream-label-in>
    <label-out>
      label-out
    </label-out>
    <self-id>
      self-id
    </self-id>
    <explicit-route>.....</explicit-route>
  </mpls-restart-rsvp>
</mpls-restart-path>
```

**Description****<mpls-restart-rsvp>****Usage**

```
<mpls-restart-lsp>
  <mpls-restart-path>
    <mpls-restart-rsvp>
      <next-hop>
        next-hop
      </next-hop>
      <interface-name>
        interface-name
      </interface-name>
      <telink-name>
        telink-name
      </telink-name>
      <upstream-label-in>
        upstream-label-in
      </upstream-label-in>
      <label-out>
        label-out
      </label-out>
      <self-id>
        self-id
      </self-id>
```

```
<explicit-route>....</explicit-route>
</mpls-restart-rsvp>
</mpls-restart-path>
</mpls-restart-lsp>
```

#### Description

### <mpls-restart-rsvp>

#### Usage

```
<mpls-restart-database-information>
<mpls-restart-database>
<mpls-restart-lsp>
<mpls-restart-path>
<mpls-restart-rsvp>
  <next-hop>
    next-hop
  </next-hop>
  <interface-name>
    interface-name
  </interface-name>
  <telink-name>
    telink-name
  </telink-name>
  <upstream-label-in>
    upstream-label-in
  </upstream-label-in>
  <label-out>
    label-out
  </label-out>
  <self-id>
    self-id
  </self-id>
  <explicit-route>....</explicit-route>
</mpls-restart-rsvp>
</mpls-restart-path>
</mpls-restart-lsp>
</mpls-restart-database>
</mpls-restart-database-information>
```

#### Description

### <mpls-restart-rsvp>

#### Usage

```
<mpls-p2mp-restart-lsp>
<mpls-restart-lsp>
<mpls-restart-path>
<mpls-restart-rsvp>
  <next-hop>
    next-hop
  </next-hop>
  <interface-name>
    interface-name
```

```

</interface-name>
<telink-name>
  telink-name
</telink-name>
<upstream-label-in>
  upstream-label-in
</upstream-label-in>
<label-out>
  label-out
</label-out>
<self-id>
  self-id
</self-id>
<explicit-route>....</explicit-route>
</mpls-restart-rsvp>
</mpls-restart-path>
</mpls-restart-lsp>
</mpls-p2mp-restart-lsp>

```

#### Description

#### <mpls-restart-rsvp>

#### Usage

```

<mpls-p2mp-restart-database-information>
<mpls-p2mp-restart-database>
<mpls-p2mp-restart-lsp>
<mpls-restart-lsp>
<mpls-restart-path>
<mpls-restart-rsvp>
  <next-hop>
    next-hop
  </next-hop>
  <interface-name>
    interface-name
  </interface-name>
  <telink-name>
    telink-name
  </telink-name>
  <upstream-label-in>
    upstream-label-in
  </upstream-label-in>
  <label-out>
    label-out
  </label-out>
  <self-id>
    self-id
  </self-id>
  <explicit-route>....</explicit-route>
</mpls-restart-rsvp>
</mpls-restart-path>
</mpls-restart-lsp>
</mpls-p2mp-restart-lsp>
</mpls-p2mp-restart-database>

```

```
</mpls-p2mp-restart-database-information>
```

#### Description

### <mpls-static-ingress-lsp-brief>

#### Usage

```
<mpls-static-lsp-information>
  <mpls-static-ingress-lsp-brief>
    <lsp-name>
      lsp-name
    </lsp-name>
    <destination-address>
      destination-address
    </destination-address>
    <lsp-state>
      lsp-state
    </lsp-state>
  </mpls-static-ingress-lsp-brief>
</mpls-static-lsp-information>
```

#### Description

### <mpls-static-ingress-lsp-descriptions>

#### Usage

```
<mpls-static-lsp-information>
  <mpls-static-ingress-lsp-descriptions>
    <lsp-name>
      lsp-name
    </lsp-name>
    <destination-address>
      destination-address
    </destination-address>
    <lsp-description>
      lsp-description
    </lsp-description>
  </mpls-static-ingress-lsp-descriptions>
</mpls-static-lsp-information>
```

#### Description

### <mpls-static-ingress-lsp-statistics>

#### Usage

```
<mpls-static-lsp-information>
  <mpls-static-ingress-lsp-statistics>
    <lsp-name>
      lsp-name
    </lsp-name>
    <destination-address>
      destination-address
    </destination-address>
```

```

<lsp-state>
  lsp-state
</lsp-state>
<lsp-pktbytes>
  lsp-pktbytes
</lsp-pktbytes>
<lsp-packets>
  lsp-packets
</lsp-packets>
<lsp-bytes>
  lsp-bytes
</lsp-bytes>
</mpls-static-ingress-lsp-statistics>
</mpls-static-lsp-information>

```

## Description

### <mpls-static-lsp-detail>

#### Usage

```

<mpls-static-lsp-information>
  <mpls-static-lsp-detail>
    <lsp-name>
      lsp-name
    </lsp-name>
    <destination-address>
      destination-address
    </destination-address>
    <label-in>
      label-in
    </label-in>
    <lsp-description>
      lsp-description
    </lsp-description>
    <lsp-state>
      lsp-state
    </lsp-state>
    <lsp-sub-state>
      lsp-sub-state
    </lsp-sub-state>
    <next-hop>
      next-hop
    </next-hop>
    <interface-name>
      interface-name
    </interface-name>
    <label-operation>
      label-operation
    </label-operation>
    <label-out>
      label-out
    </label-out>
    <creation-time>
      creation-time
    </creation-time>
  </mpls-static-lsp-detail>
</mpls-static-lsp-information>

```

```
<lp-bypass-name>
  lp-bypass-name
</lp-bypass-name>
<np-bypass-name>
  np-bypass-name
</np-bypass-name>
<next-next-label>
  next-next-label
</next-next-label>
<bandwidth_ct0>
  bandwidth_ct0
</bandwidth_ct0>
<spvc-id>
  spvc-id
</spvc-id>
<self-id>
  self-id
</self-id>
<lsp-pktbytes>
  lsp-pktbytes
</lsp-pktbytes>
<lsp-packets>
  lsp-packets
</lsp-packets>
<lsp-bytes>
  lsp-bytes
</lsp-bytes>
</mpls-static-lsp-detail>
</mpls-static-lsp-information>
```

#### Description

### <mpls-static-lsp-information>

#### Usage

```
<mpls-static-lsp-information>
  <mpls-static-lsp-summary>....</mpls-static-lsp-summary>
  <mpls-static-ingress-lsp-brief>....</mpls-static-ingress-lsp-brief>
  <mpls-static-transit-lsp-brief>....</mpls-static-transit-lsp-brief>
  <mpls-static-ingress-lsp-descriptions>....</mpls-static-ingress-lsp-descriptions>

  <mpls-static-transit-lsp-descriptions>....</mpls-static-transit-lsp-descriptions>
  <mpls-static-ingress-lsp-statistics>....</mpls-static-ingress-lsp-statistics>
  <mpls-static-transit-lsp-statistics>....</mpls-static-transit-lsp-statistics>
  <mpls-static-lsp-detail>....</mpls-static-lsp-detail>
</mpls-static-lsp-information>
```

#### Description

### <mpls-static-lsp-summary>

#### Usage

```
<mpls-static-lsp-information>
  <mpls-static-lsp-summary>
```



```

<session-type>
  session-type
</session-type>
<count>
  count
</count>
<display-count>
  display-count
</display-count>
<up-count>
  up-count
</up-count>
<down-count>
  down-count
</down-count>
</mpls-static-lsp-summary>
</mpls-static-lsp-information>

```

#### Description

### <mpls-static-restart-database>

#### Usage

```

<mpls-static-restart-database-information>
  <mpls-static-restart-database>
    <mpls-static-restart-lsp>....</mpls-static-restart-lsp>
  </mpls-static-restart-database>
</mpls-static-restart-database-information>

```

#### Description

### <mpls-static-restart-database-information>

#### Usage

```

<mpls-static-restart-database-information>
  <mpls-static-restart-database>....</mpls-static-restart-database>
</mpls-static-restart-database-information>

```

#### Description

### <mpls-static-restart-lsp>

#### Usage

```

<mpls-static-restart-database-information>
  <mpls-static-restart-database>
    <mpls-static-restart-lsp>
      <name>
        name
      </name>
      <spvc-type>
        spvc-type
      </spvc-type>
      <spvc-id>

```

```
    spvc-id
  </spvc-id>
  <self-id>
    self-id
  </self-id>
</mpls-static-restart-lsp>
</mpls-static-restart-database>
</mpls-static-restart-database-information>
```

#### Description

### <mpls-static-transit-lsp-brief>

#### Usage

```
<mpls-static-lsp-information>
  <mpls-static-transit-lsp-brief>
    <lsp-name>
      lsp-name
    </lsp-name>
    <label-in>
      label-in
    </label-in>
    <lsp-state>
      lsp-state
    </lsp-state>
  </mpls-static-transit-lsp-brief>
</mpls-static-lsp-information>
```

#### Description

### <mpls-static-transit-lsp-descriptions>

#### Usage

```
<mpls-static-lsp-information>
  <mpls-static-transit-lsp-descriptions>
    <lsp-name>
      lsp-name
    </lsp-name>
    <label-in>
      label-in
    </label-in>
    <lsp-description>
      lsp-description
    </lsp-description>
  </mpls-static-transit-lsp-descriptions>
</mpls-static-lsp-information>
```

#### Description

### <mpls-static-transit-lsp-statistics>

#### Usage

```
<mpls-static-lsp-information>
```

```

<mpls-static-transit-lsp-statistics>
  <lsp-name>
    lsp-name
  </lsp-name>
  <label-in>
    label-in
  </label-in>
  <lsp-state>
    lsp-state
  </lsp-state>
  <lsp-pktbytes>
    lsp-pktbytes
  </lsp-pktbytes>
  <lsp-packets>
    lsp-packets
  </lsp-packets>
  <lsp-bytes>
    lsp-bytes
  </lsp-bytes>
</mpls-static-transit-lsp-statistics>
</mpls-static-lsp-information>

```

#### Description

#### <msdp-instance>

##### Usage

```

<msdp-source-active-information>
  <msdp-instance>
    <instance-name>
      instance-name
    </instance-name>
    <msdp-no-routes>
      msdp-no-routes
    </msdp-no-routes>
    <msdp-route>....</msdp-route>
    <msdp-no-source>
      msdp-no-source
    </msdp-no-source>
    <msdp-source>....</msdp-source>
    <msdp-global-active-source-limit-exceeded>
      msdp-global-active-source-limit-exceeded
    </msdp-global-active-source-limit-exceeded>
    <msdp-peer-statistics>....</msdp-peer-statistics>
  </msdp-instance>
</msdp-source-active-information>

```

#### Description

#### <msdp-instance>

##### Usage

```

<msdp-source-information>
  <msdp-instance>

```

```
<instance-name>
  instance-name
</instance-name>
<msdp-no-routes>
  msdp-no-routes
</msdp-no-routes>
<msdp-route>....</msdp-route>
<msdp-no-source>
  msdp-no-source
</msdp-no-source>
<msdp-source>....</msdp-source>
<msdp-global-active-source-limit-exceeded>
  msdp-global-active-source-limit-exceeded
</msdp-global-active-source-limit-exceeded>
<msdp-peer-statistics>....</msdp-peer-statistics>
</msdp-instance>
</msdp-source-information>
```

#### Description

### <msdp-instance>

#### Usage

```
<msdp-statistics-information>
<msdp-instance>
  <instance-name>
    instance-name
  </instance-name>
  <msdp-no-routes>
    msdp-no-routes
  </msdp-no-routes>
  <msdp-route>....</msdp-route>
  <msdp-no-source>
    msdp-no-source
  </msdp-no-source>
  <msdp-source>....</msdp-source>
  <msdp-global-active-source-limit-exceeded>
    msdp-global-active-source-limit-exceeded
  </msdp-global-active-source-limit-exceeded>
  <msdp-peer-statistics>....</msdp-peer-statistics>
</msdp-instance>
</msdp-statistics-information>
```

#### Description

### <msdp-peer>

#### Usage

```
<msdp-peer-information>
<msdp-peer>
  <msdp-peer-address>
    msdp-peer-address
  </msdp-peer-address>
  <msdp-local-address>
```

```

    msdp-local-address
  </msdp-local-address>
  <msdp-state>
    msdp-state
  </msdp-state>
  <msdp-state-change>
    msdp-state-change
  </msdp-state-change>
  <msdp-group-name>
    msdp-group-name
  </msdp-group-name>
  <msdp-connect-retries>
    msdp-connect-retries
  </msdp-connect-retries>
  <msdp-state-timeout>
    msdp-state-timeout
  </msdp-state-timeout>
  <msdp-peer-timeout>
    msdp-peer-timeout
  </msdp-peer-timeout>
  <msdp-sa-accepted>
    msdp-sa-accepted
  </msdp-sa-accepted>
  <msdp-sa-received>
    msdp-sa-received
  </msdp-sa-received>
</msdp-peer>
</msdp-peer-information>

```

#### Description

### <msdp-peer-information>

#### Usage

```

<msdp-peer-information>
  <msdp-no-peers>
    msdp-no-peers
  </msdp-no-peers>
  <msdp-peer>....</msdp-peer>
</msdp-peer-information>

```

#### Description

### <msdp-peer-statistics>

#### Usage

```

<msdp-source-active-information>
  <msdp-instance>
    <msdp-peer-statistics>
      <msdp-peer-address>
        msdp-peer-address
      </msdp-peer-address>
      <msdp-state-change-absolute>
        msdp-state-change-absolute

```

```
</msdp-state-change-absolute>
<msdp-state-change>
  msdp-state-change
</msdp-state-change>
<msdp-message-received-absolute>
  msdp-message-received-absolute
</msdp-message-received-absolute>
<msdp-message-received>
  msdp-message-received
</msdp-message-received>
<msdp-rpf-failures>
  msdp-rpf-failures
</msdp-rpf-failures>
<msdp-remote-closes>
  msdp-remote-closes
</msdp-remote-closes>
<msdp-peer-timeouts>
  msdp-peer-timeouts
</msdp-peer-timeouts>
<msdp-sa-messages-sent>
  msdp-sa-messages-sent
</msdp-sa-messages-sent>
<msdp-sa-messages-received>
  msdp-sa-messages-received
</msdp-sa-messages-received>
<msdp-sa-requests-sent>
  msdp-sa-requests-sent
</msdp-sa-requests-sent>
<msdp-sa-requests-received>
  msdp-sa-requests-received
</msdp-sa-requests-received>
<msdp-sa-responses-sent>
  msdp-sa-responses-sent
</msdp-sa-responses-sent>
<msdp-sa-responses-received>
  msdp-sa-responses-received
</msdp-sa-responses-received>
<msdp-active-source-limit-exceeded>
  msdp-active-source-limit-exceeded
</msdp-active-source-limit-exceeded>
<msdp-keepalives-sent>
  msdp-keepalives-sent
</msdp-keepalives-sent>
<msdp-keepalives-received>
  msdp-keepalives-received
</msdp-keepalives-received>
<msdp-unknowns-received>
  msdp-unknowns-received
</msdp-unknowns-received>
<msdp-errors-received>
  msdp-errors-received
</msdp-errors-received>
</msdp-peer-statistics>
</msdp-instance>
</msdp-source-active-information>
```

## Description

## &lt;msdp-peer-statistics&gt;

## Usage

```

<msdp-source-information>
<msdp-instance>
  <msdp-peer-statistics>
    <msdp-peer-address>
      msdp-peer-address
    </msdp-peer-address>
    <msdp-state-change-absolute>
      msdp-state-change-absolute
    </msdp-state-change-absolute>
    <msdp-state-change>
      msdp-state-change
    </msdp-state-change>
    <msdp-message-received-absolute>
      msdp-message-received-absolute
    </msdp-message-received-absolute>
    <msdp-message-received>
      msdp-message-received
    </msdp-message-received>
    <msdp-rpf-failures>
      msdp-rpf-failures
    </msdp-rpf-failures>
    <msdp-remote-closes>
      msdp-remote-closes
    </msdp-remote-closes>
    <msdp-peer-timeouts>
      msdp-peer-timeouts
    </msdp-peer-timeouts>
    <msdp-sa-messages-sent>
      msdp-sa-messages-sent
    </msdp-sa-messages-sent>
    <msdp-sa-messages-received>
      msdp-sa-messages-received
    </msdp-sa-messages-received>
    <msdp-sa-requests-sent>
      msdp-sa-requests-sent
    </msdp-sa-requests-sent>
    <msdp-sa-requests-received>
      msdp-sa-requests-received
    </msdp-sa-requests-received>
    <msdp-sa-responses-sent>
      msdp-sa-responses-sent
    </msdp-sa-responses-sent>
    <msdp-sa-responses-received>
      msdp-sa-responses-received
    </msdp-sa-responses-received>
    <msdp-active-source-limit-exceeded>
      msdp-active-source-limit-exceeded
    </msdp-active-source-limit-exceeded>
    <msdp-keepalives-sent>
      msdp-keepalives-sent
    </msdp-keepalives-sent>
  
```

```
<msdp-keepalives-received>
  msdp-keepalives-received
</msdp-keepalives-received>
<msdp-unknowns-received>
  msdp-unknowns-received
</msdp-unknowns-received>
<msdp-errors-received>
  msdp-errors-received
</msdp-errors-received>
</msdp-peer-statistics>
</msdp-instance>
</msdp-source-information>
```

## Description

### <msdp-peer-statistics>

#### Usage

```
<msdp-statistics-information>
<msdp-instance>
  <msdp-peer-statistics>
    <msdp-peer-address>
      msdp-peer-address
    </msdp-peer-address>
    <msdp-state-change-absolute>
      msdp-state-change-absolute
    </msdp-state-change-absolute>
    <msdp-state-change>
      msdp-state-change
    </msdp-state-change>
    <msdp-message-received-absolute>
      msdp-message-received-absolute
    </msdp-message-received-absolute>
    <msdp-message-received>
      msdp-message-received
    </msdp-message-received>
    <msdp-rpf-failures>
      msdp-rpf-failures
    </msdp-rpf-failures>
    <msdp-remote-closes>
      msdp-remote-closes
    </msdp-remote-closes>
    <msdp-peer-timeouts>
      msdp-peer-timeouts
    </msdp-peer-timeouts>
    <msdp-sa-messages-sent>
      msdp-sa-messages-sent
    </msdp-sa-messages-sent>
    <msdp-sa-messages-received>
      msdp-sa-messages-received
    </msdp-sa-messages-received>
    <msdp-sa-requests-sent>
      msdp-sa-requests-sent
    </msdp-sa-requests-sent>
    <msdp-sa-requests-received>
```



```

    msdp-sa-requests-received
  </msdp-sa-requests-received>
  <msdp-sa-responses-sent>
    msdp-sa-responses-sent
  </msdp-sa-responses-sent>
  <msdp-sa-responses-received>
    msdp-sa-responses-received
  </msdp-sa-responses-received>
  <msdp-active-source-limit-exceeded>
    msdp-active-source-limit-exceeded
  </msdp-active-source-limit-exceeded>
  <msdp-keepalives-sent>
    msdp-keepalives-sent
  </msdp-keepalives-sent>
  <msdp-keepalives-received>
    msdp-keepalives-received
  </msdp-keepalives-received>
  <msdp-unknowns-received>
    msdp-unknowns-received
  </msdp-unknowns-received>
  <msdp-errors-received>
    msdp-errors-received
  </msdp-errors-received>
</msdp-peer-statistics>
</msdp-instance>
</msdp-statistics-information>

```

#### Description

#### <msdp-route>

##### Usage

```

<msdp-source-active-information>
  <msdp-instance>
    <msdp-route>
      <multicast-group-address>
        multicast-group-address
      </multicast-group-address>
      <multicast-source-address>
        multicast-source-address
      </multicast-source-address>
      <msdp-route-peer>....</msdp-route-peer>
    </msdp-route>
  </msdp-instance>
</msdp-source-active-information>

```

#### Description

#### <msdp-route>

##### Usage

```

<msdp-source-information>
  <msdp-instance>
    <msdp-route>

```

```
<multicast-group-address>
  multicast-group-address
</multicast-group-address>
<multicast-source-address>
  multicast-source-address
</multicast-source-address>
<msdp-route-peer>....</msdp-route-peer>
</msdp-route>
</msdp-instance>
</msdp-source-information>
```

#### Description

### <msdp-route>

#### Usage

```
<msdp-statistics-information>
<msdp-instance>
  <msdp-route>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <msdp-route-peer>....</msdp-route-peer>
  </msdp-route>
</msdp-instance>
</msdp-statistics-information>
```

#### Description

### <msdp-route-peer>

#### Usage

```
<msdp-source-active-information>
<msdp-instance>
  <msdp-route>
    <msdp-route-peer>
      <msdp-peer-address>
        msdp-peer-address
      </msdp-peer-address>
      <msdp-originator>
        msdp-originator
      </msdp-originator>
      <msdp-route-peer-flags>....</msdp-route-peer-flags>
    </msdp-route-peer>
  </msdp-route>
</msdp-instance>
</msdp-source-active-information>
```

#### Description

### <msdp-route-peer>

#### Usage

```
<msdp-source-information>
  <msdp-instance>
    <msdp-route>
      <msdp-route-peer>
        <msdp-peer-address>
          msdp-peer-address
        </msdp-peer-address>
        <msdp-originator>
          msdp-originator
        </msdp-originator>
        <msdp-route-peer-flags>....</msdp-route-peer-flags>
      </msdp-route-peer>
    </msdp-route>
  </msdp-instance>
</msdp-source-information>
```

#### Description

### <msdp-route-peer>

#### Usage

```
<msdp-statistics-information>
  <msdp-instance>
    <msdp-route>
      <msdp-route-peer>
        <msdp-peer-address>
          msdp-peer-address
        </msdp-peer-address>
        <msdp-originator>
          msdp-originator
        </msdp-originator>
        <msdp-route-peer-flags>....</msdp-route-peer-flags>
      </msdp-route-peer>
    </msdp-route>
  </msdp-instance>
</msdp-statistics-information>
```

#### Description

### <msdp-route-peer-flags>

#### Usage

```
<msdp-source-active-information>
  <msdp-instance>
    <msdp-route>
      <msdp-route-peer>
        <msdp-route-peer-flags>
          <msdp-accept>
            msdp-accept
          </msdp-accept>
```

```
<msdp-reject>
  msdp-reject
</msdp-reject>
<msdp-filtered>
  msdp-filtered
</msdp-filtered>
</msdp-route-peer-flags>
</msdp-route-peer>
</msdp-route>
</msdp-instance>
</msdp-source-active-information>
```

#### Description

### <msdp-route-peer-flags>

#### Usage

```
<msdp-source-information>
<msdp-instance>
<msdp-route>
  <msdp-route-peer>
    <msdp-route-peer-flags>
      <msdp-accept>
        msdp-accept
      </msdp-accept>
      <msdp-reject>
        msdp-reject
      </msdp-reject>
      <msdp-filtered>
        msdp-filtered
      </msdp-filtered>
    </msdp-route-peer-flags>
  </msdp-route-peer>
</msdp-route>
</msdp-instance>
</msdp-source-information>
```

#### Description

### <msdp-route-peer-flags>

#### Usage

```
<msdp-statistics-information>
<msdp-instance>
<msdp-route>
  <msdp-route-peer>
    <msdp-route-peer-flags>
      <msdp-accept>
        msdp-accept
      </msdp-accept>
      <msdp-reject>
        msdp-reject
      </msdp-reject>
      <msdp-filtered>
```

```

        msdp-filtered
      </msdp-filtered>
    </msdp-route-peer-flags>
  </msdp-route-peer>
</msdp-route>
</msdp-instance>
</msdp-statistics-information>

```

#### Description

### <msdp-source>

#### Usage

```

<msdp-source-active-information>
  <msdp-instance>
    <msdp-source>
      <msdp-source-prefix>
        msdp-source-prefix
      </msdp-source-prefix>
      <msdp-source-prefix-length>
        msdp-source-prefix-length
      </msdp-source-prefix-length>
      <msdp-source-type>
        msdp-source-type
      </msdp-source-type>
      <msdp-source-limit-maximum>
        msdp-source-limit-maximum
      </msdp-source-limit-maximum>
      <msdp-source-limit-threshold>
        msdp-source-limit-threshold
      </msdp-source-limit-threshold>
      <msdp-source-limit-exceeded>
        msdp-source-limit-exceeded
      </msdp-source-limit-exceeded>
    </msdp-source>
  </msdp-instance>
</msdp-source-active-information>

```

#### Description

### <msdp-source>

#### Usage

```

<msdp-source-information>
  <msdp-instance>
    <msdp-source>
      <msdp-source-prefix>
        msdp-source-prefix
      </msdp-source-prefix>
      <msdp-source-prefix-length>
        msdp-source-prefix-length
      </msdp-source-prefix-length>
      <msdp-source-type>
        msdp-source-type

```

```
</msdp-source-type>
<msdp-source-limit-maximum>
  msdp-source-limit-maximum
</msdp-source-limit-maximum>
<msdp-source-limit-threshold>
  msdp-source-limit-threshold
</msdp-source-limit-threshold>
<msdp-source-limit-exceeded>
  msdp-source-limit-exceeded
</msdp-source-limit-exceeded>
</msdp-source>
</msdp-instance>
</msdp-source-information>
```

#### Description

<msdp-source>

#### Usage

```
<msdp-statistics-information>
<msdp-instance>
  <msdp-source>
    <msdp-source-prefix>
      msdp-source-prefix
    </msdp-source-prefix>
    <msdp-source-prefix-length>
      msdp-source-prefix-length
    </msdp-source-prefix-length>
    <msdp-source-type>
      msdp-source-type
    </msdp-source-type>
    <msdp-source-limit-maximum>
      msdp-source-limit-maximum
    </msdp-source-limit-maximum>
    <msdp-source-limit-threshold>
      msdp-source-limit-threshold
    </msdp-source-limit-threshold>
    <msdp-source-limit-exceeded>
      msdp-source-limit-exceeded
    </msdp-source-limit-exceeded>
  </msdp-source>
</msdp-instance>
</msdp-statistics-information>
```

#### Description

<msdp-source-active-information>

#### Usage

```
<msdp-source-active-information>
  <msdp-instance>....</msdp-instance>
</msdp-source-active-information>
```

**Description****<msdp-source-information>****Usage**

```
<msdp-source-information>
  <msdp-instance>....</msdp-instance>
</msdp-source-information>
```

**Description****<msdp-statistics-information>****Usage**

```
<msdp-statistics-information>
  <msdp-no-peer>
    msdp-no-peer
  </msdp-no-peer>
  <msdp-instance>....</msdp-instance>
</msdp-statistics-information>
```

**Description****<mt-tlv>****Usage**

```
<isis-tlv>
  <mt-tlv>
    <mtid>
      mtid
    </mtid>
  </mt-tlv>
</isis-tlv>
```

**Description****<mt-tlv>****Usage**

```
<isis-database-entry>
  <isis-tlv>
    <mt-tlv>
      <mtid>
        mtid
      </mtid>
    </mt-tlv>
  </isis-tlv>
</isis-database-entry>
```

**Description**

## <mt-tlv>

### Usage

```
<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <mt-tlv>
        <mtid>
          mtid
        </mtid>
      </mt-tlv>
    </isis-tlv>
  </isis-database-entry>
</isis-database>
```

### Description

## <mt-tlv>

### Usage

```
<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <mt-tlv>
          <mtid>
            mtid
          </mtid>
        </mt-tlv>
      </isis-tlv>
    </isis-database-entry>
  </isis-database>
</isis-database-information>
```

### Description

## <multicast-aux-oif>

### Usage

```
<multicast-aux-oif>
  <multicast-aux-interface>
    multicast-aux-interface
  </multicast-aux-interface>
  <multicast-ref-count>
    multicast-ref-count
  </multicast-ref-count>
  <multicast-aux-nh-index>
    multicast-aux-nh-index
  </multicast-aux-nh-index>
</multicast-aux-oif>
```

### Description



### <multicast-aux-oif-agg-req>

#### Usage

```

<multicast-aux-oif-agg-req>
  <multicast-sg-address>
    multicast-sg-address
  </multicast-sg-address>
</multicast-aux-oif-agg-req>

```

#### Description

### <multicast-aux-oif-agg-req>

#### Usage

```

<multicast-aux-oif-data>
  <multicast-aux-oif-agg-req>
    <multicast-sg-address>
      multicast-sg-address
    </multicast-sg-address>
  </multicast-aux-oif-agg-req>
</multicast-aux-oif-data>

```

#### Description

### <multicast-aux-oif-agg-req-join>

#### Usage

```

<multicast-aux-oif-agg-req-join>
  <multicast-host-address>
    multicast-host-address
  </multicast-host-address>
  <multicast-group-address>
    multicast-group-address
  </multicast-group-address>
  <multicast-source-address>
    multicast-source-address
  </multicast-source-address>
  <multicast-rcvd-interface>
    multicast-rcvd-interface
  </multicast-rcvd-interface>
  <multicast-output-interface>
    multicast-output-interface
  </multicast-output-interface>
  <multicast-aux-interface>
    multicast-aux-interface
  </multicast-aux-interface>
  <multicast-aux-nh-index>
    multicast-aux-nh-index
  </multicast-aux-nh-index>
  <multicast-synthetic>
    multicast-synthetic
  </multicast-synthetic>
  <multicast-unresolved>

```

```
    multicast-unresolved
  </multicast-unresolved>
  <multicast-blocked>
    multicast-blocked
  </multicast-blocked>
  <multicast-aux-interface-ignored>
    multicast-aux-interface-ignored
  </multicast-aux-interface-ignored>
  <multicast-aux-nh-index-ignored>
    multicast-aux-nh-index-ignored
  </multicast-aux-nh-index-ignored>
</multicast-aux-oif-agg-req-join>
```

#### Description

### <multicast-aux-oif-data>

#### Usage

```
<multicast-aux-oif-data>
  <multicast-aux-oif-agg-req>....</multicast-aux-oif-agg-req>
  <multicast-aux-oif-hosts>....</multicast-aux-oif-hosts>
</multicast-aux-oif-data>
```

#### Description

### <multicast-aux-oif-host>

#### Usage

```
<multicast-aux-oif-hosts>
  <multicast-aux-oif-host>
    <multicast-host-address>
      multicast-host-address
    </multicast-host-address>
    <multicast-synthetic>
      multicast-synthetic
    </multicast-synthetic>
    <host-interface>
      host-interface
    </host-interface>
  </multicast-aux-oif-host>
</multicast-aux-oif-hosts>
```

#### Description

### <multicast-aux-oif-host>

#### Usage

```
<multicast-aux-oif-data>
  <multicast-aux-oif-hosts>
    <multicast-aux-oif-host>
      <multicast-host-address>
        multicast-host-address
      </multicast-host-address>
```

```

<multicast-synthetic>
  multicast-synthetic
</multicast-synthetic>
<host-interface>
  host-interface
</host-interface>
</multicast-aux-oif-host>
</multicast-aux-oif-hosts>
</multicast-aux-oif-data>

```

#### Description

### <multicast-aux-oif-hosts>

#### Usage

```

<multicast-aux-oif-hosts>
  <multicast-aux-oif-host>....</multicast-aux-oif-host>
</multicast-aux-oif-hosts>

```

#### Description

### <multicast-aux-oif-hosts>

#### Usage

```

<multicast-aux-oif-data>
  <multicast-aux-oif-hosts>
    <multicast-aux-oif-host>....</multicast-aux-oif-host>
  </multicast-aux-oif-hosts>
</multicast-aux-oif-data>

```

#### Description

### <multicast-aux-oif-join>

#### Usage

```

<multicast-aux-oif-join>
  <multicast-source-address>
    multicast-source-address
  </multicast-source-address>
  <multicast-group-address>
    multicast-group-address
  </multicast-group-address>
  <multicast-rcvd-interface>
    multicast-rcvd-interface
  </multicast-rcvd-interface>
  <multicast-output-interface>
    multicast-output-interface
  </multicast-output-interface>
  <multicast-aux-interface>
    multicast-aux-interface
  </multicast-aux-interface>
  <multicast-unresolved>
    multicast-unresolved

```

```
</multicast-unresolved>
<multicast-synthetic>
  multicast-synthetic
</multicast-synthetic>
<multicast-blocked>
  multicast-blocked
</multicast-blocked>
<multicast-aux-nh-index>
  multicast-aux-nh-index
</multicast-aux-nh-index>
<multicast-aux-interface-ignored>
  multicast-aux-interface-ignored
</multicast-aux-interface-ignored>
<multicast-aux-nh-index-ignored>
  multicast-aux-nh-index-ignored
</multicast-aux-nh-index-ignored>
</multicast-aux-oif-join>
```

#### Description

### <multicast-aux-oif-request>

#### Usage

```
<multicast-aux-oif-request>
  <multicast-source-address>
    multicast-source-address
  </multicast-source-address>
  <multicast-group-address>
    multicast-group-address
  </multicast-group-address>
  <multicast-unresolved>
    multicast-unresolved
  </multicast-unresolved>
  <multicast-aux-interface>
    multicast-aux-interface
  </multicast-aux-interface>
  <multicast-aux-nh-index>
    multicast-aux-nh-index
  </multicast-aux-nh-index>
  <multicast-aux-interface-ignored>
    multicast-aux-interface-ignored
  </multicast-aux-interface-ignored>
  <multicast-aux-nh-index-ignored>
    multicast-aux-nh-index-ignored
  </multicast-aux-nh-index-ignored>
</multicast-aux-oif-request>
```

#### Description

### <multicast-backup-pe-address-information>

#### Usage

```
<multicast-backup-pe-address-information>
  <multicast-backup-pe-address>
```

```

    multicast-backup-pe-address
  </multicast-backup-pe-address>
  <multicast-backup-pe-group-list>....</multicast-backup-pe-group-list>
  <pe-address-local>
    pe-address-local
  </pe-address-local>
  <lsp-to-pe-up>
    lsp-to-pe-up
  </lsp-to-pe-up>
</multicast-backup-pe-address-information>

```

**Description** Information about multicast backup PE

### <multicast-backup-pe-group>

#### Usage

```

<multicast-backup-pe-groups-information>
  <multicast-backup-pe-groups>
    <multicast-backup-pe-group>
      <multicast-backup-pe-group-name>
        multicast-backup-pe-group-name
      </multicast-backup-pe-group-name>
      <designated-pe>
        designated-pe
      </designated-pe>
      <transitions>
        transitions
      </transitions>
      <last-transition>
        last-transition
      </last-transition>
      <local-pe-address>
        local-pe-address
      </local-pe-address>
      <backup-pes>....</backup-pes>
    </multicast-backup-pe-group>
  </multicast-backup-pe-groups>
</multicast-backup-pe-groups-information>

```

**Description** Information about a multicast backup PE group

### <multicast-backup-pe-group-list>

#### Usage

```

<multicast-backup-pe-address-information>
  <multicast-backup-pe-group-list>
    <multicast-backup-pe-group-member>....</multicast-backup-pe-group-member>

    </multicast-backup-pe-group-list>
  </multicast-backup-pe-address-information>

```

**Description** Information about multicast backup PE groups associatd with PE

### <multicast-backup-pe-group-member>

#### Usage

```
<multicast-backup-pe-address-information>
<multicast-backup-pe-group-list>
  <multicast-backup-pe-group-member>
    <multicast-backup-pe-group-name>
      multicast-backup-pe-group-name
    </multicast-backup-pe-group-name>
  </multicast-backup-pe-group-member>
</multicast-backup-pe-group-list>
</multicast-backup-pe-address-information>
```

**Description** Information about a multicast backup PE group

### <multicast-backup-pe-groups>

#### Usage

```
<multicast-backup-pe-groups-information>
<multicast-backup-pe-groups>
  <instance-name>
    instance-name
  </instance-name>
  <multicast-backup-pe-group>....</multicast-backup-pe-group>
</multicast-backup-pe-groups>
</multicast-backup-pe-groups-information>
```

**Description** Information about multicast backup PE groups for one routing instance

### <multicast-backup-pe-groups-information>

#### Usage

```
<multicast-backup-pe-groups-information>
<multicast-backup-pe-groups>....</multicast-backup-pe-groups>
</multicast-backup-pe-groups-information>
```

**Description** Information about multicast backup PE groups for one or more routing instances

### <multicast-flow-map>

#### Usage

```
<multicast-flow-maps-information>
<multicast-flow-maps>
  <multicast-flow-map>
    <flow-map-name>
      flow-map-name
    </flow-map-name>
    <policy-name>
```

```

    policy-name
  </policy-name>
  <cache-timeout>
    cache-timeout
  </cache-timeout>
  <flow-bandwidth>
    flow-bandwidth
  </flow-bandwidth>
  <bandwidth-type>
    bandwidth-type
  </bandwidth-type>
  <redundant-sources>....</redundant-sources>
</multicast-flow-map>
</multicast-flow-maps>
</multicast-flow-maps-information>

```

**Description** Information about a multicast flow map

### <multicast-flow-maps>

#### Usage

```

<multicast-flow-maps-information>
  <multicast-flow-maps>
    <instance-name>
      instance-name
    </instance-name>
    <multicast-flow-map>....</multicast-flow-map>
  </multicast-flow-maps>
</multicast-flow-maps-information>

```

**Description** Information about multicast flow maps for one routing instance

### <multicast-flow-maps-information>

#### Usage

```

<multicast-flow-maps-information>
  <multicast-flow-maps>....</multicast-flow-maps>
</multicast-flow-maps-information>

```

**Description** Information about multicast flow maps for one or more routing instances

### <multicast-group>

#### Usage

```

<multicast-usage-information>
  <multicast-group>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-count>
      multicast-source-count

```

```
</multicast-source-count>
<multicast-packet-count>
  multicast-packet-count
</multicast-packet-count>
<multicast-packet-count-not-available>
  multicast-packet-count-not-available
</multicast-packet-count-not-available>
<multicast-byte-count>
  multicast-byte-count
</multicast-byte-count>
<multicast-byte-count-not-available>
  multicast-byte-count-not-available
</multicast-byte-count-not-available>
<multicast-group-source>....</multicast-group-source>
</multicast-group>
</multicast-usage-information>
```

#### Description

### <multicast-group-source>

#### Usage

```
<multicast-usage-information>
<multicast-group>
  <multicast-group-source>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <multicast-source-prefix-length>
      multicast-source-prefix-length
    </multicast-source-prefix-length>
    <multicast-packet-count>
      multicast-packet-count
    </multicast-packet-count>
    <multicast-packet-count-not-available>
      multicast-packet-count-not-available
    </multicast-packet-count-not-available>
    <multicast-byte-count>
      multicast-byte-count
    </multicast-byte-count>
    <multicast-byte-count-not-available>
      multicast-byte-count-not-available
    </multicast-byte-count-not-available>
  </multicast-group-source>
</multicast-group>
</multicast-usage-information>
```

#### Description

### <multicast-interface>

#### Usage

```
<multicast-interface-information>
<multicast-interface>
```



```

<interface-name>
  interface-name
</interface-name>
<interface-max-bandwidth>
  interface-max-bandwidth
</interface-max-bandwidth>
<interface-remaining-bandwidth>
  interface-remaining-bandwidth
</interface-remaining-bandwidth>
<interface-local-bandwidth-deduction>
  interface-local-bandwidth-deduction
</interface-local-bandwidth-deduction>
<interface-mapped-bandwidth-deduction>
  interface-mapped-bandwidth-deduction
</interface-mapped-bandwidth-deduction>
<interface-reverse-oif-mapping>
  interface-reverse-oif-mapping
</interface-reverse-oif-mapping>
<interface-reverse-oif-mapping-no-qos-adjust>
  interface-reverse-oif-mapping-no-qos-adjust
</interface-reverse-oif-mapping-no-qos-adjust>
<interface-subscriber-leave-timer>
  interface-subscriber-leave-timer
</interface-subscriber-leave-timer>
<interface-no-qos-adjust>
  interface-no-qos-adjust
</interface-no-qos-adjust>
</multicast-interface>
</multicast-interface-information>

```

**Description** Information about a multicast interface

### <multicast-interface-information>

#### Usage

```

<multicast-interface-information>
  <multicast-interface>....</multicast-interface>
</multicast-interface-information>

```

**Description** Information about one or more multicast interfaces

### <multicast-next-hops-information>

#### Usage

```

<multicast-next-hops-information>
  <next-hops-family>....</next-hops-family>
</multicast-next-hops-information>

```

**Description**

## <multicast-pim-to-igmp-proxy>

### Usage

```
<multicast-pim-to-igmp-proxy-information>
  <multicast-pim-to-igmp-proxy>
    <instance-name>
      instance-name
    </instance-name>
    <proxy-state>
      proxy-state
    </proxy-state>
    <proxy-upstream-interface>....</proxy-upstream-interface>
  </multicast-pim-to-igmp-proxy>
</multicast-pim-to-igmp-proxy-information>
```

**Description** Pim-to-igmp-proxy state

## <multicast-pim-to-igmp-proxy-information>

### Usage

```
<multicast-pim-to-igmp-proxy-information>
  <multicast-pim-to-igmp-proxy>....</multicast-pim-to-igmp-proxy>
</multicast-pim-to-igmp-proxy-information>
```

### Description

## <multicast-pim-to-mld-proxy>

### Usage

```
<multicast-pim-to-mld-proxy-information>
  <multicast-pim-to-mld-proxy>
    <instance-name>
      instance-name
    </instance-name>
    <proxy-state>
      proxy-state
    </proxy-state>
    <proxy-upstream-interface>....</proxy-upstream-interface>
  </multicast-pim-to-mld-proxy>
</multicast-pim-to-mld-proxy-information>
```

**Description** Pim-to-mld-proxy state

## <multicast-pim-to-mld-proxy-information>

### Usage

```
<multicast-pim-to-mld-proxy-information>
  <multicast-pim-to-mld-proxy>....</multicast-pim-to-mld-proxy>
</multicast-pim-to-mld-proxy-information>
```

## Description

## &lt;multicast-route&gt;

## Usage

```

<multicast-route-information>
  <route-family>
    <multicast-route>
      <multicast-group-address>
        multicast-group-address
      </multicast-group-address>
      <multicast-source-address>
        multicast-source-address
      </multicast-source-address>
      <multicast-route-vlan-id>
        multicast-route-vlan-id
      </multicast-route-vlan-id>
      <multicast-route-bridge-domain>
        multicast-route-bridge-domain
      </multicast-route-bridge-domain>
      <multicast-route-mesh-group>
        multicast-route-mesh-group
      </multicast-route-mesh-group>
      <multicast-source-prefix-length>
        multicast-source-prefix-length
      </multicast-source-prefix-length>
      <multicast-route-source>....</multicast-route-source>
      <session-name>
        session-name
      </session-name>
      <forwarding-rate-kilobytes>
        forwarding-rate-kilobytes
      </forwarding-rate-kilobytes>
      <forwarding-rate-packets>
        forwarding-rate-packets
      </forwarding-rate-packets>
      <forwarded-packet-count>
        forwarded-packet-count
      </forwarded-packet-count>
      <multicast-statistics-timed-out>
        multicast-statistics-timed-out
      </multicast-statistics-timed-out>
      <bandwidth-for-admission-control>
        bandwidth-for-admission-control
      </bandwidth-for-admission-control>
      <upstream-interface-name>
        upstream-interface-name
      </upstream-interface-name>
      <rpf-check-disabled>
        rpf-check-disabled
      </rpf-check-disabled>
      <downstream-interface-names>
        downstream-interface-names
      </downstream-interface-names>
      <rejected-downstream-interface-names>
        rejected-downstream-interface-names

```

```
</rejected-downstream-interface-names>
<next-hop-id>
  next-hop-id
</next-hop-id>
<upstream-protocol>
  upstream-protocol
</upstream-protocol>
<multicast-route-forwarding-state>
  multicast-route-forwarding-state
</multicast-route-forwarding-state>
<multicast-route-state>
  multicast-route-state
</multicast-route-state>
<multicast-route-timeout>
  multicast-route-timeout
</multicast-route-timeout>
<interface-mismatch-count>
  interface-mismatch-count
</interface-mismatch-count>
</multicast-route>
</route-family>
</multicast-route-information>
```

#### Description

### <multicast-route-information>

#### Usage

```
<multicast-route-information>
<multicast-route-no-group-prefix>
  multicast-route-no-group-prefix
</multicast-route-no-group-prefix>
<multicast-route-no-family>
  multicast-route-no-family
</multicast-route-no-family>
<route-family>....</route-family>
</multicast-route-information>
```

#### Description

### <multicast-route-source>

#### Usage

```
<multicast-route-information>
<route-family>
  <multicast-route>
    <multicast-route-source>
      <multicast-source-address>
        multicast-source-address
      </multicast-source-address>
    </multicast-route-source>
  </multicast-route>
</route-family>
```

```
</multicast-route-information>
```

#### Description

### <multicast-rpf-information>

#### Usage

```
<multicast-rpf-information>
  <rpf-family>....</rpf-family>
</multicast-rpf-information>
```

#### Description

### <multicast-scope>

#### Usage

```
<multicast-scope-information>
  <multicast-scope>
    <scope-name>
      scope-name
    </scope-name>
    <address-prefix>
      address-prefix
    </address-prefix>
    <interface-name>
      interface-name
    </interface-name>
    <scope-rejects>
      scope-rejects
    </scope-rejects>
    <scope-state>
      scope-state
    </scope-state>
  </multicast-scope>
</multicast-scope-information>
```

#### Description

### <multicast-scope-information>

#### Usage

```
<multicast-scope-information>
  <multicast-scope-policy>
    multicast-scope-policy
  </multicast-scope-policy>
  <multicast-scope-policy-interfaces>....</multicast-scope-policy-interfaces>
  <multicast-scope>....</multicast-scope>
</multicast-scope-information>
```

#### Description

## <multicast-scope-policy-interface>

### Usage

```
<multicast-scope-information>
  <multicast-scope-policy-interfaces>
    <multicast-scope-policy-interface>
      <interface-name>
        interface-name
      </interface-name>
      <scope-rejects>
        scope-rejects
      </scope-rejects>
    </multicast-scope-policy-interface>
  </multicast-scope-policy-interfaces>
</multicast-scope-information>
```

### Description

## <multicast-scope-policy-interfaces>

### Usage

```
<multicast-scope-information>
  <multicast-scope-policy-interfaces>
    <instance-name>
      instance-name
    </instance-name>
    <address-family>
      address-family
    </address-family>
    <multicast-scope-policy-interface>....</multicast-scope-policy-interface>
  </multicast-scope-policy-interfaces>
</multicast-scope-information>
```

### Description

## <multicast-session>

### Usage

```
<multicast-sessions-information>
  <multicast-session>
    <session-announcement>
      session-announcement
    </session-announcement>
    <session-name>
      session-name
    </session-name>
    <session-version>
      session-version
    </session-version>
    <session-origin>....</session-origin>
    <upstream-protocol>
      upstream-protocol
    </upstream-protocol>
```

```

<session-description>
  session-description
</session-description>
<session-uri>
  session-uri
</session-uri>
<session-email>
  session-email
</session-email>
<session-phone>
  session-phone
</session-phone>
<session-connection-data>....</session-connection-data>
<session-bandwidth>
  session-bandwidth
</session-bandwidth>
<session-start-time>
  session-start-time
</session-start-time>
<session-stop-time>
  session-stop-time
</session-stop-time>
<session-encryption-key>
  session-encryption-key
</session-encryption-key>
<session-attribute>
  session-attribute
</session-attribute>
<session-media>
  session-media
</session-media>
</multicast-session>
</multicast-sessions-information>

```

#### Description

### <multicast-sessions-information>

#### Usage

```

<multicast-sessions-information>
  <multicast-session>....</multicast-session>
  <multicast-session-count>
    multicast-session-count
  </multicast-session-count>
  <multicast-sessions-type>
    multicast-sessions-type
  </multicast-sessions-type>
</multicast-sessions-information>

```

#### Description

## <multicast-source>

### Usage

```
<multicast-usage-information>
  <multicast-source>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <multicast-source-prefix-length>
      multicast-source-prefix-length
    </multicast-source-prefix-length>
    <multicast-group-count>
      multicast-group-count
    </multicast-group-count>
    <multicast-packet-count>
      multicast-packet-count
    </multicast-packet-count>
    <multicast-packet-count-not-available>
      multicast-packet-count-not-available
    </multicast-packet-count-not-available>
    <multicast-byte-count>
      multicast-byte-count
    </multicast-byte-count>
    <multicast-byte-count-not-available>
      multicast-byte-count-not-available
    </multicast-byte-count-not-available>
    <multicast-source-group>.....</multicast-source-group>
  </multicast-source>
</multicast-usage-information>
```

### Description

## <multicast-source-group>

### Usage

```
<multicast-usage-information>
  <multicast-source>
    <multicast-source-group>
      <multicast-group-address>
        multicast-group-address
      </multicast-group-address>
      <multicast-packet-count>
        multicast-packet-count
      </multicast-packet-count>
      <multicast-packet-count-not-available>
        multicast-packet-count-not-available
      </multicast-packet-count-not-available>
      <multicast-byte-count>
        multicast-byte-count
      </multicast-byte-count>
      <multicast-byte-count-not-available>
        multicast-byte-count-not-available
      </multicast-byte-count-not-available>
    </multicast-source-group>
  </multicast-source>
</multicast-usage-information>
```



```

    </multicast-source>
  </multicast-usage-information>

```

#### Description

### <multicast-statistics>

#### Usage

```

<multicast-statistics-information>
  <multicast-statistics>
    <instance-name>
      instance-name
    </instance-name>
    <address-family>
      address-family
    </address-family>
    <mc-stats-interface>....</mc-stats-interface>
    <mc-resolves-no-mc-interface>
      mc-resolves-no-mc-interface
    </mc-resolves-no-mc-interface>
    <mc-global-resolves-no-route>
      mc-global-resolves-no-route
    </mc-global-resolves-no-route>
    <mc-notifies-no-mc-interface>
      mc-notifies-no-mc-interface
    </mc-notifies-no-mc-interface>
    <mc-notifies-no-route>
      mc-notifies-no-route
    </mc-notifies-no-route>
    <mc-mismatches-no-mc-interface>
      mc-mismatches-no-mc-interface
    </mc-mismatches-no-mc-interface>
    <mc-groups-no-mc-interface>
      mc-groups-no-mc-interface
    </mc-groups-no-mc-interface>
  </multicast-statistics>
</multicast-statistics-information>

```

#### Description

### <multicast-statistics-information>

#### Usage

```

<multicast-statistics-information>
  <multicast-statistics>....</multicast-statistics>
</multicast-statistics-information>

```

#### Description

### <multicast-tunnel>

#### Usage

```

<multicast-tunnels-information>

```

```
<multicast-tunnel>
  <interface-name>
    interface-name
  </interface-name>
  <tunnel-local-address>
    tunnel-local-address
  </tunnel-local-address>
  <tunnel-remote-address>
    tunnel-remote-address
  </tunnel-remote-address>
  <tunnel-ttl>
    tunnel-ttl
  </tunnel-ttl>
</multicast-tunnel>
</multicast-tunnels-information>
```

#### Description

### <multicast-tunnels-information>

#### Usage

```
<multicast-tunnels-information>
  <multicast-tunnel>....</multicast-tunnel>
</multicast-tunnels-information>
```

#### Description

### <multicast-usage-information>

#### Usage

```
<multicast-usage-information>
  <multicast-usage-no-group-prefix>
    multicast-usage-no-group-prefix
  </multicast-usage-no-group-prefix>
  <multicast-usage-strange-family>
    multicast-usage-strange-family
  </multicast-usage-strange-family>
  <multicast-usage-timed-out>
    multicast-usage-timed-out
  </multicast-usage-timed-out>
  <multicast-group>....</multicast-group>
  <multicast-source>....</multicast-source>
</multicast-usage-information>
```

#### Description

### <mvpn-instance>

#### Usage

```
<mvpn-instance>
  <instance-entry>....</instance-entry>
  <instance-entry-summary>....</instance-entry-summary>
```

</mvpn-instance>

Description

<mvpn-instance>

Usage

```
<mvpn-instance-information>
  <mvpn-instance>
    <instance-entry>....</instance-entry>
    <instance-entry-summary>....</instance-entry-summary>
  </mvpn-instance>
</mvpn-instance-information>
```

Description

<mvpn-instance-information>

Usage

```
<mvpn-instance-information>
  <mvpn-instance>....</mvpn-instance>
  <instance>....</instance>
</mvpn-instance-information>
```

Description

<neighbor>

Usage

```
<instance>
  <neighbor>
    <neighbor-entry>....</neighbor-entry>
  </neighbor>
</instance>
```

Description

<neighbor>

Usage

```
<l2vpn-connection-information>
  <instance>
    <neighbor>
      <neighbor-entry>....</neighbor-entry>
    </neighbor>
  </instance>
</l2vpn-connection-information>
```

Description

## <neighbor>

### Usage

```
<vpls-connection-information>
  <instance>
    <neighbor>
      <neighbor-entry>....</neighbor-entry>
    </neighbor>
  </instance>
</vpls-connection-information>
```

### Description

## <neighbor>

### Usage

```
<vpls-statistics-information>
  <instance>
    <neighbor>
      <neighbor-entry>....</neighbor-entry>
    </neighbor>
  </instance>
</vpls-statistics-information>
```

### Description

## <neighbor>

### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <neighbor>
      <neighbor-entry>....</neighbor-entry>
    </neighbor>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

### Description

## <neighbor>

### Usage

```
<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <neighbor>
        <neighbor-entry>....</neighbor-entry>
      </neighbor>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

**Description****<neighbor>****Usage**

```
<neighbor>
  <neighbor-entry>....</neighbor-entry>
</neighbor>
```

**Description****<neighbor>****Usage**

```
<instance-entry>
  <neighbor>
    <neighbor-entry>....</neighbor-entry>
  </neighbor>
</instance-entry>
```

**Description****<neighbor>****Usage**

```
<mvpn-instance>
  <instance-entry>
    <neighbor>
      <neighbor-entry>....</neighbor-entry>
    </neighbor>
  </instance-entry>
</mvpn-instance>
```

**Description****<neighbor>****Usage**

```
<mvpn-instance-information>
  <mvpn-instance>
    <instance-entry>
      <neighbor>
        <neighbor-entry>....</neighbor-entry>
      </neighbor>
    </instance-entry>
  </mvpn-instance>
</mvpn-instance-information>
```

**Description**

## <neighbor>

### Usage

```
<mvpn-instance-information>
  <instance>
    <neighbor>
      <neighbor-entry>....</neighbor-entry>
    </neighbor>
  </instance>
</mvpn-instance-information>
```

### Description

## <neighbor-entry>

### Usage

```
<instance>
  <neighbor>
    <neighbor-entry>
      <neighbor-identifier>
        neighbor-identifier
      </neighbor-identifier>
      <provider-tunnel-id>
        provider-tunnel-id
      </provider-tunnel-id>
    </neighbor-entry>
  </neighbor>
</instance>
```

### Description

## <neighbor-entry>

### Usage

```
<l2vpn-connection-information>
  <instance>
    <neighbor>
      <neighbor-entry>
        <neighbor-identifier>
          neighbor-identifier
        </neighbor-identifier>
        <provider-tunnel-id>
          provider-tunnel-id
        </provider-tunnel-id>
      </neighbor-entry>
    </neighbor>
  </instance>
</l2vpn-connection-information>
```

### Description

**<neighbor-entry>****Usage**

```

<vpls-connection-information>
  <instance>
    <neighbor>
      <neighbor-entry>
        <neighbor-identifier>
          neighbor-identifier
        </neighbor-identifier>
        <provider-tunnel-id>
          provider-tunnel-id
        </provider-tunnel-id>
      </neighbor-entry>
    </neighbor>
  </instance>
</vpls-connection-information>

```

**Description****<neighbor-entry>****Usage**

```

<vpls-statistics-information>
  <instance>
    <neighbor>
      <neighbor-entry>
        <neighbor-identifier>
          neighbor-identifier
        </neighbor-identifier>
        <provider-tunnel-id>
          provider-tunnel-id
        </provider-tunnel-id>
      </neighbor-entry>
    </neighbor>
  </instance>
</vpls-statistics-information>

```

**Description****<neighbor-entry>****Usage**

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <neighbor>
      <neighbor-entry>
        <neighbor-identifier>
          neighbor-identifier
        </neighbor-identifier>
        <provider-tunnel-id>
          provider-tunnel-id
        </provider-tunnel-id>
      </neighbor-entry>
    </neighbor>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

```
</neighbor-entry>
</neighbor>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

#### Description

### <neighbor-entry>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
<neighbor>
<neighbor-entry>
<neighbor-identifier>
  neighbor-identifier
</neighbor-identifier>
<provider-tunnel-id>
  provider-tunnel-id
</provider-tunnel-id>
</neighbor-entry>
</neighbor>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

#### Description

### <neighbor-entry>

#### Usage

```
<neighbor-entry>
<neighbor-identifier>
  neighbor-identifier
</neighbor-identifier>
<provider-tunnel-id>
  provider-tunnel-id
</provider-tunnel-id>
</neighbor-entry>
```

#### Description

### <neighbor-entry>

#### Usage

```
<neighbor>
<neighbor-entry>
<neighbor-identifier>
  neighbor-identifier
</neighbor-identifier>
<provider-tunnel-id>
  provider-tunnel-id
```



```

    </provider-tunnel-id>
  </neighbor-entry>
</neighbor>

```

#### Description

#### <neighbor-entry>

#### Usage

```

<instance-entry>
  <neighbor>
    <neighbor-entry>
      <neighbor-identifier>
        neighbor-identifier
      </neighbor-identifier>
      <provider-tunnel-id>
        provider-tunnel-id
      </provider-tunnel-id>
    </neighbor-entry>
  </neighbor>
</instance-entry>

```

#### Description

#### <neighbor-entry>

#### Usage

```

<mvpn-instance>
  <instance-entry>
    <neighbor>
      <neighbor-entry>
        <neighbor-identifier>
          neighbor-identifier
        </neighbor-identifier>
        <provider-tunnel-id>
          provider-tunnel-id
        </provider-tunnel-id>
      </neighbor-entry>
    </neighbor>
  </instance-entry>
</mvpn-instance>

```

#### Description

#### <neighbor-entry>

#### Usage

```

<mvpn-instance-information>
  <mvpn-instance>
    <instance-entry>
      <neighbor>
        <neighbor-entry>
          <neighbor-identifier>

```

```
    neighbor-identifier
  </neighbor-identifier>
  <provider-tunnel-id>
    provider-tunnel-id
  </provider-tunnel-id>
</neighbor-entry>
</neighbor>
</instance-entry>
</mvpn-instance>
</mvpn-instance-information>
```

#### Description

### <neighbor-entry>

#### Usage

```
<mvpn-instance-information>
  <instance>
    <neighbor>
      <neighbor-entry>
        <neighbor-identifier>
          neighbor-identifier
        </neighbor-identifier>
        <provider-tunnel-id>
          provider-tunnel-id
        </provider-tunnel-id>
      </neighbor-entry>
    </neighbor>
  </instance>
</mvpn-instance-information>
```

#### Description

### <neighbor-summary>

#### Usage

```
<neighbor-summary>
  <neighbor-summary-count>
    neighbor-summary-count
  </neighbor-summary-count>
</neighbor-summary>
```

#### Description

### <neighbor-summary>

#### Usage

```
<instance-entry-summary>
  <neighbor-summary>
    <neighbor-summary-count>
      neighbor-summary-count
    </neighbor-summary-count>
  </neighbor-summary>
```

</instance-entry-summary>

#### Description

### <neighbor-summary>

#### Usage

```
<mvpn-instance>
  <instance-entry-summary>
    <neighbor-summary>
      <neighbor-summary-count>
        neighbor-summary-count
      </neighbor-summary-count>
    </neighbor-summary>
  </instance-entry-summary>
</mvpn-instance>
```

#### Description

### <neighbor-summary>

#### Usage

```
<mvpn-instance-information>
  <mvpn-instance>
    <instance-entry-summary>
      <neighbor-summary>
        <neighbor-summary-count>
          neighbor-summary-count
        </neighbor-summary-count>
      </neighbor-summary>
    </instance-entry-summary>
  </mvpn-instance>
</mvpn-instance-information>
```

#### Description

### <next-hop-address>

#### Usage

```
<ospf-next-hop>
  <next-hop-address>
    <interface-address>
      interface-address
    </interface-address>
    <lsp-name>
      lsp-name
    </lsp-name>
  </next-hop-address>
</ospf-next-hop>
```

#### Description

## <next-hop-address>

### Usage

```
<ospf-route>
  <ospf-route-entry>
    <ospf-next-hop>
      <next-hop-address>
        <interface-address>
          interface-address
        </interface-address>
        <lsp-name>
          lsp-name
        </lsp-name>
      </next-hop-address>
    </ospf-next-hop>
  </ospf-route-entry>
</ospf-route>
```

### Description

## <next-hop-address>

### Usage

```
<ospf-topology-route-table>
  <ospf-route>
    <ospf-route-entry>
      <ospf-next-hop>
        <next-hop-address>
          <interface-address>
            interface-address
          </interface-address>
          <lsp-name>
            lsp-name
          </lsp-name>
        </next-hop-address>
      </ospf-next-hop>
    </ospf-route-entry>
  </ospf-route>
</ospf-topology-route-table>
```

### Description

## <next-hop-address>

### Usage

```
<ospf-route-information>
  <ospf-topology-route-table>
    <ospf-route>
      <ospf-route-entry>
        <ospf-next-hop>
          <next-hop-address>
            <interface-address>
              interface-address
            </interface-address>
          </next-hop-address>
        </ospf-next-hop>
      </ospf-route-entry>
    </ospf-route>
  </ospf-topology-route-table>
</ospf-route-information>
```

```

        </interface-address>
        <lsp-name>
            lsp-name
        </lsp-name>
    </next-hop-address>
</ospf-next-hop>
</ospf-route-entry>
</ospf-route>
</ospf-topology-route-table>
</ospf-route-information>

```

#### Description

### <next-hop-address>

#### Usage

```

<ospf-backup-spf-node>
  <ospf-next-hop>
    <next-hop-address>
      <interface-address>
        interface-address
      </interface-address>
      <lsp-name>
        lsp-name
      </lsp-name>
    </next-hop-address>
  </ospf-next-hop>
</ospf-backup-spf-node>

```

#### Description

### <next-hop-address>

#### Usage

```

<ospf-topology-area-backup-spf>
  <ospf-backup-spf-node>
    <ospf-next-hop>
      <next-hop-address>
        <interface-address>
          interface-address
        </interface-address>
        <lsp-name>
          lsp-name
        </lsp-name>
      </next-hop-address>
    </ospf-next-hop>
  </ospf-backup-spf-node>
</ospf-topology-area-backup-spf>

```

#### Description

## <next-hop-address>

### Usage

```
<ospf-topology-backup-spf>
  <ospf-topology-area-backup-spf>
    <ospf-backup-spf-node>
      <ospf-next-hop>
        <next-hop-address>
          <interface-address>
            interface-address
          </interface-address>
          <lsp-name>
            lsp-name
          </lsp-name>
        </next-hop-address>
      </ospf-next-hop>
    </ospf-backup-spf-node>
  </ospf-topology-area-backup-spf>
</ospf-topology-backup-spf>
```

### Description

## <next-hop-address>

### Usage

```
<ospf-backup-spf-information>
  <ospf-topology-backup-spf>
    <ospf-topology-area-backup-spf>
      <ospf-backup-spf-node>
        <ospf-next-hop>
          <next-hop-address>
            <interface-address>
              interface-address
            </interface-address>
            <lsp-name>
              lsp-name
            </lsp-name>
          </next-hop-address>
        </ospf-next-hop>
      </ospf-backup-spf-node>
    </ospf-topology-area-backup-spf>
  </ospf-topology-backup-spf>
</ospf-backup-spf-information>
```

### Description

## <next-hop-address>

### Usage

```
<ospf3-route>
  <ospf3-route-entry>
    <ospf-next-hop>
      <next-hop-address>
```

```

<interface-address>
  interface-address
</interface-address>
<lsp-name>
  lsp-name
</lsp-name>
</next-hop-address>
</ospf-next-hop>
</ospf3-route-entry>
</ospf3-route>

```

#### Description

### <next-hop-address>

#### Usage

```

<ospf3-route-information>
<ospf3-route>
<ospf3-route-entry>
<ospf-next-hop>
  <next-hop-address>
    <interface-address>
      interface-address
    </interface-address>
    <lsp-name>
      lsp-name
    </lsp-name>
  </next-hop-address>
</ospf-next-hop>
</ospf3-route-entry>
</ospf3-route>
</ospf3-route-information>

```

#### Description

### <next-hop-address>

#### Usage

```

<ospf3-backup-spf-node>
<ospf-next-hop>
  <next-hop-address>
    <interface-address>
      interface-address
    </interface-address>
    <lsp-name>
      lsp-name
    </lsp-name>
  </next-hop-address>
</ospf-next-hop>
</ospf3-backup-spf-node>

```

#### Description

## <next-hop-address>

### Usage

```
<ospf3-topology-area-backup-spf>
  <ospf3-backup-spf-node>
    <ospf-next-hop>
      <next-hop-address>
        <interface-address>
          interface-address
        </interface-address>
        <lsp-name>
          lsp-name
        </lsp-name>
      </next-hop-address>
    </ospf-next-hop>
  </ospf3-backup-spf-node>
</ospf3-topology-area-backup-spf>
```

### Description

## <next-hop-address>

### Usage

```
<ospf3-topology-backup-spf>
  <ospf3-topology-area-backup-spf>
    <ospf3-backup-spf-node>
      <ospf-next-hop>
        <next-hop-address>
          <interface-address>
            interface-address
          </interface-address>
          <lsp-name>
            lsp-name
          </lsp-name>
        </next-hop-address>
      </ospf-next-hop>
    </ospf3-backup-spf-node>
  </ospf3-topology-area-backup-spf>
</ospf3-topology-backup-spf>
```

### Description

## <next-hop-address>

### Usage

```
<ospf3-backup-spf-information>
  <ospf3-topology-backup-spf>
    <ospf3-topology-area-backup-spf>
      <ospf3-backup-spf-node>
        <ospf-next-hop>
          <next-hop-address>
            <interface-address>
              interface-address
            </interface-address>
          </next-hop-address>
        </ospf-next-hop>
      </ospf3-backup-spf-node>
    </ospf3-topology-area-backup-spf>
  </ospf3-topology-backup-spf>
</ospf3-backup-spf-information>
```



```

</interface-address>
<lsp-name>
  lsp-name
</lsp-name>
</next-hop-address>
</ospf-next-hop>
</ospf3-backup-spf-node>
</ospf3-topology-area-backup-spf>
</ospf3-topology-backup-spf>
</ospf3-backup-spf-information>

```

### Description

## <next-hop-downstream-interface>

### Usage

```

<multicast-next-hops-information>
  <next-hops-family>
    <iflist-next-hop>
      <next-hop-downstream-interface>
        <interface-name>
          interface-name
        </interface-name>
        <interface-index>
          interface-index
        </interface-index>
        <interface-nh-index>
          interface-nh-index
        </interface-nh-index>
      </next-hop-downstream-interface>
    </iflist-next-hop>
  </next-hops-family>
</multicast-next-hops-information>

```

### Description

## <next-hop-element>

### Usage

```

<next-hop-element>
  <interface-name>
    interface-name
  </interface-name>
  <isis-next-hop-type>
    isis-next-hop-type
  </isis-next-hop-type>
  <isis-next-hop>
    isis-next-hop
  </isis-next-hop>
  <snpa>
    snpa
  </snpa>
</next-hop-element>

```

**Description****<next-hop-element>****Usage**

```
<isis-overview>
  <isis-spf-information>
    <isis-spf>
      <isis-spf-result>
        <next-hop-element>
          <interface-name>
            interface-name
          </interface-name>
          <isis-next-hop-type>
            isis-next-hop-type
          </isis-next-hop-type>
          <isis-next-hop>
            isis-next-hop
          </isis-next-hop>
          <snpa>
            snpa
          </snpa>
        </next-hop-element>
      </isis-spf-result>
    </isis-spf>
  </isis-spf-information>
</isis-overview>
```

**Description****<next-hop-element>****Usage**

```
<isis-overview>
  <isis-spf-information>
    <isis-spf>
      <isis-backup-spf-result>
        <next-hop-element>
          <interface-name>
            interface-name
          </interface-name>
          <isis-next-hop-type>
            isis-next-hop-type
          </isis-next-hop-type>
          <isis-next-hop>
            isis-next-hop
          </isis-next-hop>
          <snpa>
            snpa
          </snpa>
        </next-hop-element>
      </isis-backup-spf-result>
    </isis-spf>
  </isis-spf-information>
```

```
</isis-overview>
```

### Description

**<next-hop-element>**

### Usage

```
<isis-overview-information>
<isis-overview>
  <isis-spf-information>
    <isis-spf>
      <isis-spf-result>
        <next-hop-element>
          <interface-name>
            interface-name
          </interface-name>
          <isis-next-hop-type>
            isis-next-hop-type
          </isis-next-hop-type>
          <isis-next-hop>
            isis-next-hop
          </isis-next-hop>
          <snpa>
            snpa
          </snpa>
        </next-hop-element>
      </isis-spf-result>
    </isis-spf>
  </isis-spf-information>
</isis-overview>
</isis-overview-information>
```

### Description

**<next-hop-element>**

### Usage

```
<isis-overview-information>
<isis-overview>
  <isis-spf-information>
    <isis-spf>
      <isis-backup-spf-result>
        <next-hop-element>
          <interface-name>
            interface-name
          </interface-name>
          <isis-next-hop-type>
            isis-next-hop-type
          </isis-next-hop-type>
          <isis-next-hop>
            isis-next-hop
          </isis-next-hop>
          <snpa>
            snpa
          </snpa>
        </next-hop-element>
      </isis-backup-spf-result>
    </isis-spf>
  </isis-spf-information>
</isis-overview>
</isis-overview-information>
```

```
</snpa>
</next-hop-element>
</isis-backup-spf-result>
</isis-spf>
</isis-spf-information>
</isis-overview>
</isis-overview-information>
```

#### Description

### <next-hop-element>

#### Usage

```
<isis-spf-result>
  <next-hop-element>
    <interface-name>
      interface-name
    </interface-name>
    <isis-next-hop-type>
      isis-next-hop-type
    </isis-next-hop-type>
    <isis-next-hop>
      isis-next-hop
    </isis-next-hop>
    <snpa>
      snpa
    </snpa>
  </next-hop-element>
</isis-spf-result>
```

#### Description

### <next-hop-element>

#### Usage

```
<isis-backup-spf-result>
  <next-hop-element>
    <interface-name>
      interface-name
    </interface-name>
    <isis-next-hop-type>
      isis-next-hop-type
    </isis-next-hop-type>
    <isis-next-hop>
      isis-next-hop
    </isis-next-hop>
    <snpa>
      snpa
    </snpa>
  </next-hop-element>
</isis-backup-spf-result>
```

#### Description

**<next-hop-element>****Usage**

```

<isis-spf>
  <isis-spf-result>
    <next-hop-element>
      <interface-name>
        interface-name
      </interface-name>
      <isis-next-hop-type>
        isis-next-hop-type
      </isis-next-hop-type>
      <isis-next-hop>
        isis-next-hop
      </isis-next-hop>
      <snpa>
        snpa
      </snpa>
    </next-hop-element>
  </isis-spf-result>
</isis-spf>

```

**Description****<next-hop-element>****Usage**

```

<isis-spf>
  <isis-backup-spf-result>
    <next-hop-element>
      <interface-name>
        interface-name
      </interface-name>
      <isis-next-hop-type>
        isis-next-hop-type
      </isis-next-hop-type>
      <isis-next-hop>
        isis-next-hop
      </isis-next-hop>
      <snpa>
        snpa
      </snpa>
    </next-hop-element>
  </isis-backup-spf-result>
</isis-spf>

```

**Description****<next-hop-element>****Usage**

```

<isis-spf-information>
  <isis-spf>

```

```
<isis-spf-result>
  <next-hop-element>
    <interface-name>
      interface-name
    </interface-name>
    <isis-next-hop-type>
      isis-next-hop-type
    </isis-next-hop-type>
    <isis-next-hop>
      isis-next-hop
    </isis-next-hop>
    <snpa>
      snpa
    </snpa>
  </next-hop-element>
</isis-spf-result>
</isis-spf>
</isis-spf-information>
```

#### Description

### <next-hop-element>

#### Usage

```
<isis-spf-information>
  <isis-spf>
    <isis-backup-spf-result>
      <next-hop-element>
        <interface-name>
          interface-name
        </interface-name>
        <isis-next-hop-type>
          isis-next-hop-type
        </isis-next-hop-type>
        <isis-next-hop>
          isis-next-hop
        </isis-next-hop>
        <snpa>
          snpa
        </snpa>
      </next-hop-element>
    </isis-backup-spf-result>
  </isis-spf>
</isis-spf-information>
```

#### Description

### <next-hop-name>

#### Usage

```
<ospf-next-hop>
  <next-hop-name>
    <interface-name>
      interface-name
```

```

</interface-name>
<interface-link-name>
  interface-link-name
</interface-link-name>
</next-hop-name>
</ospf-next-hop>

```

#### Description

<next-hop-name>

#### Usage

```

<ospf-route>
  <ospf-route-entry>
    <ospf-next-hop>
      <next-hop-name>
        <interface-name>
          interface-name
        </interface-name>
        <interface-link-name>
          interface-link-name
        </interface-link-name>
      </next-hop-name>
    </ospf-next-hop>
  </ospf-route-entry>
</ospf-route>

```

#### Description

<next-hop-name>

#### Usage

```

<ospf-topology-route-table>
  <ospf-route>
    <ospf-route-entry>
      <ospf-next-hop>
        <next-hop-name>
          <interface-name>
            interface-name
          </interface-name>
          <interface-link-name>
            interface-link-name
          </interface-link-name>
        </next-hop-name>
      </ospf-next-hop>
    </ospf-route-entry>
  </ospf-route>
</ospf-topology-route-table>

```

#### Description

## <next-hop-name>

### Usage

```
<ospf-route-information>
  <ospf-topology-route-table>
    <ospf-route>
      <ospf-route-entry>
        <ospf-next-hop>
          <next-hop-name>
            <interface-name>
              interface-name
            </interface-name>
            <interface-link-name>
              interface-link-name
            </interface-link-name>
          </next-hop-name>
        </ospf-next-hop>
      </ospf-route-entry>
    </ospf-route>
  </ospf-topology-route-table>
</ospf-route-information>
```

### Description

## <next-hop-name>

### Usage

```
<ospf-backup-spf-node>
  <ospf-next-hop>
    <next-hop-name>
      <interface-name>
        interface-name
      </interface-name>
      <interface-link-name>
        interface-link-name
      </interface-link-name>
    </next-hop-name>
  </ospf-next-hop>
</ospf-backup-spf-node>
```

### Description

## <next-hop-name>

### Usage

```
<ospf-topology-area-backup-spf>
  <ospf-backup-spf-node>
    <ospf-next-hop>
      <next-hop-name>
        <interface-name>
          interface-name
        </interface-name>
        <interface-link-name>
```



```

        interface-link-name
      </interface-link-name>
    </next-hop-name>
  </ospf-next-hop>
</ospf-backup-spf-node>
</ospf-topology-area-backup-spf>

```

#### Description

<next-hop-name>

#### Usage

```

<ospf-topology-backup-spf>
  <ospf-topology-area-backup-spf>
    <ospf-backup-spf-node>
      <ospf-next-hop>
        <next-hop-name>
          <interface-name>
            interface-name
          </interface-name>
          <interface-link-name>
            interface-link-name
          </interface-link-name>
        </next-hop-name>
      </ospf-next-hop>
    </ospf-backup-spf-node>
  </ospf-topology-area-backup-spf>
</ospf-topology-backup-spf>

```

#### Description

<next-hop-name>

#### Usage

```

<ospf-backup-spf-information>
  <ospf-topology-backup-spf>
    <ospf-topology-area-backup-spf>
      <ospf-backup-spf-node>
        <ospf-next-hop>
          <next-hop-name>
            <interface-name>
              interface-name
            </interface-name>
            <interface-link-name>
              interface-link-name
            </interface-link-name>
          </next-hop-name>
        </ospf-next-hop>
      </ospf-backup-spf-node>
    </ospf-topology-area-backup-spf>
  </ospf-topology-backup-spf>
</ospf-backup-spf-information>

```

**Description****<next-hop-name>****Usage**

```
<ospf3-route>
  <ospf3-route-entry>
    <ospf-next-hop>
      <next-hop-name>
        <interface-name>
          interface-name
        </interface-name>
        <interface-link-name>
          interface-link-name
        </interface-link-name>
      </next-hop-name>
    </ospf-next-hop>
  </ospf3-route-entry>
</ospf3-route>
```

**Description****<next-hop-name>****Usage**

```
<ospf3-route-information>
  <ospf3-route>
    <ospf3-route-entry>
      <ospf-next-hop>
        <next-hop-name>
          <interface-name>
            interface-name
          </interface-name>
          <interface-link-name>
            interface-link-name
          </interface-link-name>
        </next-hop-name>
      </ospf-next-hop>
    </ospf3-route-entry>
  </ospf3-route>
</ospf3-route-information>
```

**Description****<next-hop-name>****Usage**

```
<ospf3-backup-spf-node>
  <ospf-next-hop>
    <next-hop-name>
      <interface-name>
        interface-name
      </interface-name>
      <interface-link-name>
```

```

        interface-link-name
      </interface-link-name>
    </next-hop-name>
  </ospf-next-hop>
</ospf3-backup-spf-node>

```

**Description****<next-hop-name>****Usage**

```

<ospf3-topology-area-backup-spf>
  <ospf3-backup-spf-node>
    <ospf-next-hop>
      <next-hop-name>
        <interface-name>
          interface-name
        </interface-name>
        <interface-link-name>
          interface-link-name
        </interface-link-name>
      </next-hop-name>
    </ospf-next-hop>
  </ospf3-backup-spf-node>
</ospf3-topology-area-backup-spf>

```

**Description****<next-hop-name>****Usage**

```

<ospf3-topology-backup-spf>
  <ospf3-topology-area-backup-spf>
    <ospf3-backup-spf-node>
      <ospf-next-hop>
        <next-hop-name>
          <interface-name>
            interface-name
          </interface-name>
          <interface-link-name>
            interface-link-name
          </interface-link-name>
        </next-hop-name>
      </ospf-next-hop>
    </ospf3-backup-spf-node>
  </ospf3-topology-area-backup-spf>
</ospf3-topology-backup-spf>

```

**Description**

## <next-hop-name>

### Usage

```
<ospf3-backup-spf-information>
  <ospf3-topology-backup-spf>
    <ospf3-topology-area-backup-spf>
      <ospf3-backup-spf-node>
        <ospf-next-hop>
          <next-hop-name>
            <interface-name>
              interface-name
            </interface-name>
            <interface-link-name>
              interface-link-name
            </interface-link-name>
          </next-hop-name>
        </ospf-next-hop>
      </ospf3-backup-spf-node>
    </ospf3-topology-area-backup-spf>
  </ospf3-topology-backup-spf>
</ospf3-backup-spf-information>
```

### Description

## <next-hops-family>

### Usage

```
<multicast-next-hops-information>
  <next-hops-family>
    <address-family>
      address-family
    </address-family>
    <iflist-next-hop>....</iflist-next-hop>
  </next-hops-family>
</multicast-next-hops-information>
```

### Description

## <nh>

### Usage

```
<route-information>
  <route-table>
    <rt>
      <rt-entry>
        <nh>
          <selected-next-hop>
            selected-next-hop
          </selected-next-hop>
          <nh-string>
            nh-string
          </nh-string>
          <elnh-address>
```

```
    elnh-address
  </elnh-address>
  <ext-int-type>
    ext-int-type
  </ext-int-type>
  <weight>
    weight
  </weight>
  <balance>
    balance
  </balance>
  <uflags>
    uflags
  </uflags>
  <filter>
    filter
  </filter>
  <via>
    via
  </via>
  <nh-local-interface>
    nh-local-interface
  </nh-local-interface>
  <nh-table-receive>
    nh-table-receive
  </nh-table-receive>
  <nh-table>
    nh-table
  </nh-table>
  <to>
    to
  </to>
  <lsp-name>
    lsp-name
  </lsp-name>
  <mpls-label>
    mpls-label
  </mpls-label>
  <label-ttl-action>
    label-ttl-action
  </label-ttl-action>
  <nh-service>
    nh-service
  </nh-service>
  <nh-service-pkt-dist>
    nh-service-pkt-dist
  </nh-service-pkt-dist>
  <nh-service-app-data>
    nh-service-app-data
  </nh-service-app-data>
  <nh-address>
    nh-address
  </nh-address>
  <nh-index>
    nh-index
  </nh-index>
```

```

        </nh>
      </rt-entry>
    </rt>
  </route-table>
</route-information>

```

**Description** Next-hop gateway information

## <nh>

### Usage

```

<route-information>
  <route-table>
    <rt>
      <rt-entry>
        <protocol-nh>
          <nh>
            <selected-next-hop>
              selected-next-hop
            </selected-next-hop>
            <nh-string>
              nh-string
            </nh-string>
            <elnh-address>
              elnh-address
            </elnh-address>
            <ext-int-type>
              ext-int-type
            </ext-int-type>
            <weight>
              weight
            </weight>
            <balance>
              balance
            </balance>
            <uflags>
              uflags
            </uflags>
            <filter>
              filter
            </filter>
            <via>
              via
            </via>
            <nh-local-interface>
              nh-local-interface
            </nh-local-interface>
            <nh-table-receive>
              nh-table-receive
            </nh-table-receive>
            <nh-table>
              nh-table
            </nh-table>
            <to>

```

```

    to
  </to>
  <lsp-name>
    lsp-name
  </lsp-name>
  <mpls-label>
    mpls-label
  </mpls-label>
  <label-ttl-action>
    label-ttl-action
  </label-ttl-action>
  <nh-service>
    nh-service
  </nh-service>
  <nh-service-pkt-dist>
    nh-service-pkt-dist
  </nh-service-pkt-dist>
  <nh-service-app-data>
    nh-service-app-data
  </nh-service-app-data>
  <nh-address>
    nh-address
  </nh-address>
  <nh-index>
    nh-index
  </nh-index>
</nh>
</protocol-nh>
</rt-entry>
</rt>
</route-table>
</route-information>

```

**Description** Next-hop gateway information

## <nh>

### Usage

```

<route-resolution-information>
  <route-resolution-tree>
    <node>
      <protocol-nh>
        <nh>
          <selected-next-hop>
            selected-next-hop
          </selected-next-hop>
          <nh-string>
            nh-string
          </nh-string>
          <elnh-address>
            elnh-address
          </elnh-address>
          <ext-int-type>
            ext-int-type

```

```
</ext-int-type>
<weight>
  weight
</weight>
<balance>
  balance
</balance>
<uflags>
  uflags
</uflags>
<filter>
  filter
</filter>
<via>
  via
</via>
<nh-local-interface>
  nh-local-interface
</nh-local-interface>
<nh-table-receive>
  nh-table-receive
</nh-table-receive>
<nh-table>
  nh-table
</nh-table>
<to>
  to
</to>
<lsp-name>
  lsp-name
</lsp-name>
<mpls-label>
  mpls-label
</mpls-label>
<label-ttl-action>
  label-ttl-action
</label-ttl-action>
<nh-service>
  nh-service
</nh-service>
<nh-service-pkt-dist>
  nh-service-pkt-dist
</nh-service-pkt-dist>
<nh-service-app-data>
  nh-service-app-data
</nh-service-app-data>
<nh-address>
  nh-address
</nh-address>
<nh-index>
  nh-index
</nh-index>
</nh>
</protocol-nh>
</node>
</route-resolution-tree>
```



```
</route-resolution-information>
```

**Description** Next-hop gateway information

**<nh>**

**Usage**

```
<route-summary-information>
<route-table>
<rt>
<rt-entry>
<nh>
  <selected-next-hop>
    selected-next-hop
  </selected-next-hop>
  <nh-string>
    nh-string
  </nh-string>
  <elnh-address>
    elnh-address
  </elnh-address>
  <ext-int-type>
    ext-int-type
  </ext-int-type>
  <weight>
    weight
  </weight>
  <balance>
    balance
  </balance>
  <uflags>
    uflags
  </uflags>
  <filter>
    filter
  </filter>
  <via>
    via
  </via>
  <nh-local-interface>
    nh-local-interface
  </nh-local-interface>
  <nh-table-receive>
    nh-table-receive
  </nh-table-receive>
  <nh-table>
    nh-table
  </nh-table>
  <to>
    to
  </to>
  <lsp-name>
    lsp-name
  </lsp-name>
```

```
<mpls-label>
  mpls-label
</mpls-label>
<label-ttl-action>
  label-ttl-action
</label-ttl-action>
<nh-service>
  nh-service
</nh-service>
<nh-service-pkt-dist>
  nh-service-pkt-dist
</nh-service-pkt-dist>
<nh-service-app-data>
  nh-service-app-data
</nh-service-app-data>
<nh-address>
  nh-address
</nh-address>
<nh-index>
  nh-index
</nh-index>
</nh>
</rt-entry>
</rt>
</route-table>
</route-summary-information>
```

**Description** Next-hop gateway information

## <nh>

### Usage

```
<route-summary-information>
<route-table>
<rt>
  <rt-entry>
    <protocol-nh>
      <nh>
        <selected-next-hop>
          selected-next-hop
        </selected-next-hop>
        <nh-string>
          nh-string
        </nh-string>
        <elnh-address>
          elnh-address
        </elnh-address>
        <ext-int-type>
          ext-int-type
        </ext-int-type>
        <weight>
          weight
        </weight>
        <balance>
```

```
    balance
  </balance>
  <uflags>
    uflags
  </uflags>
  <filter>
    filter
  </filter>
  <via>
    via
  </via>
  <nh-local-interface>
    nh-local-interface
  </nh-local-interface>
  <nh-table-receive>
    nh-table-receive
  </nh-table-receive>
  <nh-table>
    nh-table
  </nh-table>
  <to>
    to
  </to>
  <lsp-name>
    lsp-name
  </lsp-name>
  <mpls-label>
    mpls-label
  </mpls-label>
  <label-ttl-action>
    label-ttl-action
  </label-ttl-action>
  <nh-service>
    nh-service
  </nh-service>
  <nh-service-pkt-dist>
    nh-service-pkt-dist
  </nh-service-pkt-dist>
  <nh-service-app-data>
    nh-service-app-data
  </nh-service-app-data>
  <nh-address>
    nh-address
  </nh-address>
  <nh-index>
    nh-index
  </nh-index>
</nh>
</protocol-nh>
</rt-entry>
</rt>
</route-table>
</route-summary-information>
```

**Description**    Next-hop gateway information

**<nhh>**

**Usage**

```
<route-information>
<route-table>
<rt>
  <rt-entry>
    <nhh>
      <nh-type>
        nh-type
      </nh-type>
      <nh-index>
        nh-index
      </nh-index>
      <nh-address>
        nh-address
      </nh-address>
      <nh-reference-count>
        nh-reference-count
      </nh-reference-count>
      <ext-int-intf-index>
        ext-int-intf-index
      </ext-int-intf-index>
      <nh-flood-overflow>
        nh-flood-overflow
      </nh-flood-overflow>
    </nhh>
  </rt-entry>
</rt>
</route-table>
</route-information>
```

**Description**

**<nhh>**

**Usage**

```
<route-summary-information>
<route-table>
<rt>
  <rt-entry>
    <nhh>
      <nh-type>
        nh-type
      </nh-type>
      <nh-index>
        nh-index
      </nh-index>
      <nh-address>
        nh-address
      </nh-address>
      <nh-reference-count>
```

```

        nh-reference-count
      </nh-reference-count>
    <ext-int-intf-index>
      ext-int-intf-index
    </ext-int-intf-index>
    <nh-flood-overflow>
      nh-flood-overflow
    </nh-flood-overflow>
  </nhh>
</rt-entry>
</rt>
</route-table>
</route-summary-information>

```

## Description

### <nlri-flags>

## Usage

```

<bgp-option-information>
  <nlri-information>
    <nlri-flags>
      <bgp-nlri-flag-explicit-null-for-all-routes>
        bgp-nlri-flag-explicit-null-for-all-routes
      </bgp-nlri-flag-explicit-null-for-all-routes>
      <bgp-nlri-flag-explicit-null-for-connected-routes>
        bgp-nlri-flag-explicit-null-for-connected-routes
      </bgp-nlri-flag-explicit-null-for-connected-routes>
      <bgp-nlri-flag-aggregate-label>
        bgp-nlri-flag-aggregate-label
      </bgp-nlri-flag-aggregate-label>
      <bgp-nlri-flag-per-prefix-label>
        bgp-nlri-flag-per-prefix-label
      </bgp-nlri-flag-per-prefix-label>
      <bgp-nlri-flag-per-group-label>
        bgp-nlri-flag-per-group-label
      </bgp-nlri-flag-per-group-label>
      <bgp-nlri-flag-traffic-stats>
        bgp-nlri-flag-traffic-stats
      </bgp-nlri-flag-traffic-stats>
      <bgp-nlri-flag-l2vpn-status-vector>
        bgp-nlri-flag-l2vpn-status-vector
      </bgp-nlri-flag-l2vpn-status-vector>
      <bgp-nlri-flag-no-l2vpn-status-vector>
        bgp-nlri-flag-no-l2vpn-status-vector
      </bgp-nlri-flag-no-l2vpn-status-vector>
    </nlri-flags>
  </nlri-information>
</bgp-option-information>

```

## Description

## <nlri-flags>

### Usage

```

<bgp-peer>
  <bgp-option-information>
    <nlri-information>
      <nlri-flags>
        <bgp-nlri-flag-explicit-null-for-all-routes>
          bgp-nlri-flag-explicit-null-for-all-routes
        </bgp-nlri-flag-explicit-null-for-all-routes>
        <bgp-nlri-flag-explicit-null-for-connected-routes>
          bgp-nlri-flag-explicit-null-for-connected-routes
        </bgp-nlri-flag-explicit-null-for-connected-routes>
        <bgp-nlri-flag-aggregate-label>
          bgp-nlri-flag-aggregate-label
        </bgp-nlri-flag-aggregate-label>
        <bgp-nlri-flag-per-prefix-label>
          bgp-nlri-flag-per-prefix-label
        </bgp-nlri-flag-per-prefix-label>
        <bgp-nlri-flag-per-group-label>
          bgp-nlri-flag-per-group-label
        </bgp-nlri-flag-per-group-label>
        <bgp-nlri-flag-traffic-stats>
          bgp-nlri-flag-traffic-stats
        </bgp-nlri-flag-traffic-stats>
        <bgp-nlri-flag-l2vpn-status-vector>
          bgp-nlri-flag-l2vpn-status-vector
        </bgp-nlri-flag-l2vpn-status-vector>
        <bgp-nlri-flag-no-l2vpn-status-vector>
          bgp-nlri-flag-no-l2vpn-status-vector
        </bgp-nlri-flag-no-l2vpn-status-vector>
      </nlri-flags>
    </nlri-information>
  </bgp-option-information>
</bgp-peer>

```

### Description

## <nlri-flags>

### Usage

```

<bgp-group>
  <bgp-peer>
    <bgp-option-information>
      <nlri-information>
        <nlri-flags>
          <bgp-nlri-flag-explicit-null-for-all-routes>
            bgp-nlri-flag-explicit-null-for-all-routes
          </bgp-nlri-flag-explicit-null-for-all-routes>
          <bgp-nlri-flag-explicit-null-for-connected-routes>
            bgp-nlri-flag-explicit-null-for-connected-routes
          </bgp-nlri-flag-explicit-null-for-connected-routes>
          <bgp-nlri-flag-aggregate-label>
            bgp-nlri-flag-aggregate-label

```

```

</bgp-nlri-flag-aggregate-label>
<bgp-nlri-flag-per-prefix-label>
  bgp-nlri-flag-per-prefix-label
</bgp-nlri-flag-per-prefix-label>
<bgp-nlri-flag-per-group-label>
  bgp-nlri-flag-per-group-label
</bgp-nlri-flag-per-group-label>
<bgp-nlri-flag-traffic-stats>
  bgp-nlri-flag-traffic-stats
</bgp-nlri-flag-traffic-stats>
<bgp-nlri-flag-l2vpn-status-vector>
  bgp-nlri-flag-l2vpn-status-vector
</bgp-nlri-flag-l2vpn-status-vector>
<bgp-nlri-flag-no-l2vpn-status-vector>
  bgp-nlri-flag-no-l2vpn-status-vector
</bgp-nlri-flag-no-l2vpn-status-vector>
</nlri-flags>
</nlri-information>
</bgp-option-information>
</bgp-peer>
</bgp-group>

```

## Description

### <nlri-flags>

## Usage

```

<bgp-group>
  <bgp-option-information>
    <nlri-information>
      <nlri-flags>
        <bgp-nlri-flag-explicit-null-for-all-routes>
          bgp-nlri-flag-explicit-null-for-all-routes
        </bgp-nlri-flag-explicit-null-for-all-routes>
        <bgp-nlri-flag-explicit-null-for-connected-routes>
          bgp-nlri-flag-explicit-null-for-connected-routes
        </bgp-nlri-flag-explicit-null-for-connected-routes>
        <bgp-nlri-flag-aggregate-label>
          bgp-nlri-flag-aggregate-label
        </bgp-nlri-flag-aggregate-label>
        <bgp-nlri-flag-per-prefix-label>
          bgp-nlri-flag-per-prefix-label
        </bgp-nlri-flag-per-prefix-label>
        <bgp-nlri-flag-per-group-label>
          bgp-nlri-flag-per-group-label
        </bgp-nlri-flag-per-group-label>
        <bgp-nlri-flag-traffic-stats>
          bgp-nlri-flag-traffic-stats
        </bgp-nlri-flag-traffic-stats>
        <bgp-nlri-flag-l2vpn-status-vector>
          bgp-nlri-flag-l2vpn-status-vector
        </bgp-nlri-flag-l2vpn-status-vector>
        <bgp-nlri-flag-no-l2vpn-status-vector>
          bgp-nlri-flag-no-l2vpn-status-vector
        </bgp-nlri-flag-no-l2vpn-status-vector>
      </nlri-flags>
    </nlri-information>
  </bgp-option-information>
</bgp-group>

```

```
</nlri-flags>
</nlri-information>
</bgp-option-information>
</bgp-group>
```

## Description

### <nlri-flags>

#### Usage

```
<bgp-information>
  <bgp-peer>
    <bgp-option-information>
      <nlri-information>
        <nlri-flags>
          <bgp-nlri-flag-explicit-null-for-all-routes>
            bgp-nlri-flag-explicit-null-for-all-routes
          </bgp-nlri-flag-explicit-null-for-all-routes>
          <bgp-nlri-flag-explicit-null-for-connected-routes>
            bgp-nlri-flag-explicit-null-for-connected-routes
          </bgp-nlri-flag-explicit-null-for-connected-routes>
          <bgp-nlri-flag-aggregate-label>
            bgp-nlri-flag-aggregate-label
          </bgp-nlri-flag-aggregate-label>
          <bgp-nlri-flag-per-prefix-label>
            bgp-nlri-flag-per-prefix-label
          </bgp-nlri-flag-per-prefix-label>
          <bgp-nlri-flag-per-group-label>
            bgp-nlri-flag-per-group-label
          </bgp-nlri-flag-per-group-label>
          <bgp-nlri-flag-traffic-stats>
            bgp-nlri-flag-traffic-stats
          </bgp-nlri-flag-traffic-stats>
          <bgp-nlri-flag-l2vpn-status-vector>
            bgp-nlri-flag-l2vpn-status-vector
          </bgp-nlri-flag-l2vpn-status-vector>
          <bgp-nlri-flag-no-l2vpn-status-vector>
            bgp-nlri-flag-no-l2vpn-status-vector
          </bgp-nlri-flag-no-l2vpn-status-vector>
        </nlri-flags>
      </nlri-information>
    </bgp-option-information>
  </bgp-peer>
</bgp-information>
```

## Description

### <nlri-flags>

#### Usage

```
<bgp-group-information>
  <bgp-group>
    <bgp-peer>
      <bgp-option-information>
```



```

<nlri-information>
  <nlri-flags>
    <bgp-nlri-flag-explicit-null-for-all-routes>
      bgp-nlri-flag-explicit-null-for-all-routes
    </bgp-nlri-flag-explicit-null-for-all-routes>
    <bgp-nlri-flag-explicit-null-for-connected-routes>
      bgp-nlri-flag-explicit-null-for-connected-routes
    </bgp-nlri-flag-explicit-null-for-connected-routes>
    <bgp-nlri-flag-aggregate-label>
      bgp-nlri-flag-aggregate-label
    </bgp-nlri-flag-aggregate-label>
    <bgp-nlri-flag-per-prefix-label>
      bgp-nlri-flag-per-prefix-label
    </bgp-nlri-flag-per-prefix-label>
    <bgp-nlri-flag-per-group-label>
      bgp-nlri-flag-per-group-label
    </bgp-nlri-flag-per-group-label>
    <bgp-nlri-flag-traffic-stats>
      bgp-nlri-flag-traffic-stats
    </bgp-nlri-flag-traffic-stats>
    <bgp-nlri-flag-l2vpn-status-vector>
      bgp-nlri-flag-l2vpn-status-vector
    </bgp-nlri-flag-l2vpn-status-vector>
    <bgp-nlri-flag-no-l2vpn-status-vector>
      bgp-nlri-flag-no-l2vpn-status-vector
    </bgp-nlri-flag-no-l2vpn-status-vector>
  </nlri-flags>
</nlri-information>
</bgp-option-information>
</bgp-peer>
</bgp-group>
</bgp-group-information>

```

## Description

### <nlri-flags>

## Usage

```

<bgp-group-information>
  <bgp-group>
    <bgp-option-information>
      <nlri-information>
        <nlri-flags>
          <bgp-nlri-flag-explicit-null-for-all-routes>
            bgp-nlri-flag-explicit-null-for-all-routes
          </bgp-nlri-flag-explicit-null-for-all-routes>
          <bgp-nlri-flag-explicit-null-for-connected-routes>
            bgp-nlri-flag-explicit-null-for-connected-routes
          </bgp-nlri-flag-explicit-null-for-connected-routes>
          <bgp-nlri-flag-aggregate-label>
            bgp-nlri-flag-aggregate-label
          </bgp-nlri-flag-aggregate-label>
          <bgp-nlri-flag-per-prefix-label>
            bgp-nlri-flag-per-prefix-label
          </bgp-nlri-flag-per-prefix-label>

```

```

    <bgp-nlri-flag-per-group-label>
      bgp-nlri-flag-per-group-label
    </bgp-nlri-flag-per-group-label>
    <bgp-nlri-flag-traffic-stats>
      bgp-nlri-flag-traffic-stats
    </bgp-nlri-flag-traffic-stats>
    <bgp-nlri-flag-l2vpn-status-vector>
      bgp-nlri-flag-l2vpn-status-vector
    </bgp-nlri-flag-l2vpn-status-vector>
    <bgp-nlri-flag-no-l2vpn-status-vector>
      bgp-nlri-flag-no-l2vpn-status-vector
    </bgp-nlri-flag-no-l2vpn-status-vector>
  </nlri-flags>
</nlri-information>
</bgp-option-information>
</bgp-group>
</bgp-group-information>

```

## Description

### <nlri-flags>

#### Usage

```

<bgp-group-information>
  <bgp-information>
    <bgp-peer>
      <bgp-option-information>
        <nlri-information>
          <nlri-flags>
            <bgp-nlri-flag-explicit-null-for-all-routes>
              bgp-nlri-flag-explicit-null-for-all-routes
            </bgp-nlri-flag-explicit-null-for-all-routes>
            <bgp-nlri-flag-explicit-null-for-connected-routes>
              bgp-nlri-flag-explicit-null-for-connected-routes
            </bgp-nlri-flag-explicit-null-for-connected-routes>
            <bgp-nlri-flag-aggregate-label>
              bgp-nlri-flag-aggregate-label
            </bgp-nlri-flag-aggregate-label>
            <bgp-nlri-flag-per-prefix-label>
              bgp-nlri-flag-per-prefix-label
            </bgp-nlri-flag-per-prefix-label>
            <bgp-nlri-flag-per-group-label>
              bgp-nlri-flag-per-group-label
            </bgp-nlri-flag-per-group-label>
            <bgp-nlri-flag-traffic-stats>
              bgp-nlri-flag-traffic-stats
            </bgp-nlri-flag-traffic-stats>
            <bgp-nlri-flag-l2vpn-status-vector>
              bgp-nlri-flag-l2vpn-status-vector
            </bgp-nlri-flag-l2vpn-status-vector>
            <bgp-nlri-flag-no-l2vpn-status-vector>
              bgp-nlri-flag-no-l2vpn-status-vector
            </bgp-nlri-flag-no-l2vpn-status-vector>
          </nlri-flags>
        </nlri-information>
      </bgp-peer>
    </bgp-option-information>
  </bgp-peer>
</bgp-information>
</bgp-group-information>

```

```

    </bgp-option-information>
  </bgp-peer>
</bgp-information>
</bgp-group-information>

```

#### Description

#### <nlri-information>

##### Usage

```

<bgp-option-information>
  <nlri-information>
    <nlri-type>
      nlri-type
    </nlri-type>
    <nlri-flags>....</nlri-flags>
    <nlri-traffic-stats>....</nlri-traffic-stats>
    <nlri-flow-novalidate>
      nlri-flow-novalidate
    </nlri-flow-novalidate>
  </nlri-information>
</bgp-option-information>

```

#### Description

#### <nlri-information>

##### Usage

```

<bgp-peer>
  <bgp-option-information>
    <nlri-information>
      <nlri-type>
        nlri-type
      </nlri-type>
      <nlri-flags>....</nlri-flags>
      <nlri-traffic-stats>....</nlri-traffic-stats>
      <nlri-flow-novalidate>
        nlri-flow-novalidate
      </nlri-flow-novalidate>
    </nlri-information>
  </bgp-option-information>
</bgp-peer>

```

#### Description

#### <nlri-information>

##### Usage

```

<bgp-group>
  <bgp-peer>
    <bgp-option-information>
      <nlri-information>
        <nlri-type>

```

```
    nlri-type
  </nlri-type>
  <nlri-flags>....</nlri-flags>
  <nlri-traffic-stats>....</nlri-traffic-stats>
  <nlri-flow-novalidate>
    nlri-flow-novalidate
  </nlri-flow-novalidate>
</nlri-information>
</bgp-option-information>
</bgp-peer>
</bgp-group>
```

#### Description

#### <nlri-information>

##### Usage

```
<bgp-group>
  <bgp-option-information>
    <nlri-information>
      <nlri-type>
        nlri-type
      </nlri-type>
      <nlri-flags>....</nlri-flags>
      <nlri-traffic-stats>....</nlri-traffic-stats>
      <nlri-flow-novalidate>
        nlri-flow-novalidate
      </nlri-flow-novalidate>
    </nlri-information>
  </bgp-option-information>
</bgp-group>
```

#### Description

#### <nlri-information>

##### Usage

```
<bgp-information>
  <bgp-peer>
    <bgp-option-information>
      <nlri-information>
        <nlri-type>
          nlri-type
        </nlri-type>
        <nlri-flags>....</nlri-flags>
        <nlri-traffic-stats>....</nlri-traffic-stats>
        <nlri-flow-novalidate>
          nlri-flow-novalidate
        </nlri-flow-novalidate>
      </nlri-information>
    </bgp-option-information>
  </bgp-peer>
</bgp-information>
```

**Description****<nlri-information>****Usage**

```

<bgp-group-information>
<bgp-group>
<bgp-peer>
  <bgp-option-information>
    <nlri-information>
      <nlri-type>
        nlri-type
      </nlri-type>
      <nlri-flags>....</nlri-flags>
      <nlri-traffic-stats>....</nlri-traffic-stats>
      <nlri-flow-novalidate>
        nlri-flow-novalidate
      </nlri-flow-novalidate>
    </nlri-information>
  </bgp-option-information>
</bgp-peer>
</bgp-group>
</bgp-group-information>

```

**Description****<nlri-information>****Usage**

```

<bgp-group-information>
<bgp-group>
  <bgp-option-information>
    <nlri-information>
      <nlri-type>
        nlri-type
      </nlri-type>
      <nlri-flags>....</nlri-flags>
      <nlri-traffic-stats>....</nlri-traffic-stats>
      <nlri-flow-novalidate>
        nlri-flow-novalidate
      </nlri-flow-novalidate>
    </nlri-information>
  </bgp-option-information>
</bgp-group>
</bgp-group-information>

```

**Description****<nlri-information>****Usage**

```

<bgp-group-information>
<bgp-information>
  <bgp-peer>

```

```
<bgp-option-information>
  <nlri-information>
    <nlri-type>
      nlri-type
    </nlri-type>
    <nlri-flags>....</nlri-flags>
    <nlri-traffic-stats>....</nlri-traffic-stats>
    <nlri-flow-novalidate>
      nlri-flow-novalidate
    </nlri-flow-novalidate>
  </nlri-information>
</bgp-option-information>
</bgp-peer>
</bgp-information>
</bgp-group-information>
```

#### Description

#### <nlri-traffic-stats>

##### Usage

```
<bgp-option-information>
  <nlri-information>
    <nlri-traffic-stats>
      <tracing-information>....</tracing-information>
      <traffic-stats-interval>
        traffic-stats-interval
      </traffic-stats-interval>
    </nlri-traffic-stats>
  </nlri-information>
</bgp-option-information>
```

#### Description

#### <nlri-traffic-stats>

##### Usage

```
<bgp-peer>
  <bgp-option-information>
    <nlri-information>
      <nlri-traffic-stats>
        <tracing-information>....</tracing-information>
        <traffic-stats-interval>
          traffic-stats-interval
        </traffic-stats-interval>
      </nlri-traffic-stats>
    </nlri-information>
  </bgp-option-information>
</bgp-peer>
```

#### Description

## <nlri-traffic-stats>

### Usage

```

<bgp-group>
  <bgp-peer>
    <bgp-option-information>
      <nlri-information>
        <nlri-traffic-stats>
          <tracing-information>....</tracing-information>
          <traffic-stats-interval>
            traffic-stats-interval
          </traffic-stats-interval>
        </nlri-traffic-stats>
      </nlri-information>
    </bgp-option-information>
  </bgp-peer>
</bgp-group>

```

### Description

## <nlri-traffic-stats>

### Usage

```

<bgp-group>
  <bgp-option-information>
    <nlri-information>
      <nlri-traffic-stats>
        <tracing-information>....</tracing-information>
        <traffic-stats-interval>
          traffic-stats-interval
        </traffic-stats-interval>
      </nlri-traffic-stats>
    </nlri-information>
  </bgp-option-information>
</bgp-group>

```

### Description

## <nlri-traffic-stats>

### Usage

```

<bgp-information>
  <bgp-peer>
    <bgp-option-information>
      <nlri-information>
        <nlri-traffic-stats>
          <tracing-information>....</tracing-information>
          <traffic-stats-interval>
            traffic-stats-interval
          </traffic-stats-interval>
        </nlri-traffic-stats>
      </nlri-information>
    </bgp-option-information>
  </bgp-peer>
</bgp-information>

```

```
</bgp-peer>
</bgp-information>
```

#### Description

**<nlri-traffic-stats>**

#### Usage

```
<bgp-group-information>
<bgp-group>
  <bgp-peer>
    <bgp-option-information>
      <nlri-information>
        <nlri-traffic-stats>
          <tracing-information>....</tracing-information>
          <traffic-stats-interval>
            traffic-stats-interval
          </traffic-stats-interval>
        </nlri-traffic-stats>
      </nlri-information>
    </bgp-option-information>
  </bgp-peer>
</bgp-group>
</bgp-group-information>
```

#### Description

**<nlri-traffic-stats>**

#### Usage

```
<bgp-group-information>
<bgp-group>
  <bgp-option-information>
    <nlri-information>
      <nlri-traffic-stats>
        <tracing-information>....</tracing-information>
        <traffic-stats-interval>
          traffic-stats-interval
        </traffic-stats-interval>
      </nlri-traffic-stats>
    </nlri-information>
  </bgp-option-information>
</bgp-group>
</bgp-group-information>
```

#### Description

**<nlri-traffic-stats>**

#### Usage

```
<bgp-group-information>
<bgp-information>
  <bgp-peer>
```



```

<bgp-option-information>
  <nlri-information>
    <nlri-traffic-stats>
      <tracing-information>....</tracing-information>
      <traffic-stats-interval>
        traffic-stats-interval
      </traffic-stats-interval>
    </nlri-traffic-stats>
  </nlri-information>
</bgp-option-information>
</bgp-peer>
</bgp-information>
</bgp-group-information>

```

## Description

<node>

## Usage

```

<route-resolution-information>
  <route-resolution-tree>
    <node>
      <node-prefix>
        node-prefix
      </node-prefix>
      <node-prefix-length>
        node-prefix-length
      </node-prefix-length>
      <originating-rib>
        originating-rib
      </originating-rib>
      <metric>
        metric
      </metric>
      <node-path-count>
        node-path-count
      </node-path-count>
      <forwarding-nh-count>
        forwarding-nh-count
      </forwarding-nh-count>
      <indirect-nh-count>
        indirect-nh-count
      </indirect-nh-count>
      <composite-nh-count>
        composite-nh-count
      </composite-nh-count>
      <protocol-nh>....</protocol-nh>
    </node>
  </route-resolution-tree>
</route-resolution-information>

```

## Description

## <oam-state>

### Usage

```
<rsvp-session-data>
  <rsvp-session>
    <mpls-lsp>
      <mpls-lsp-path>
        <oam-state>
          <oam-bfd-session-state>
            oam-bfd-session-state
          </oam-bfd-session-state>
          <oam-lsp-ping-state>
            oam-lsp-ping-state
          </oam-lsp-ping-state>
        </oam-state>
      </mpls-lsp-path>
    </mpls-lsp>
  </rsvp-session>
</rsvp-session-data>
```

**Description** OAM state information

## <oam-state>

### Usage

```
<rsvp-session>
  <mpls-lsp>
    <mpls-lsp-path>
      <oam-state>
        <oam-bfd-session-state>
          oam-bfd-session-state
        </oam-bfd-session-state>
        <oam-lsp-ping-state>
          oam-lsp-ping-state
        </oam-lsp-ping-state>
      </oam-state>
    </mpls-lsp-path>
  </mpls-lsp>
</rsvp-session>
```

**Description** OAM state information

## <oam-state>

### Usage

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <mpls-lsp-path>
          <oam-state>
            <oam-bfd-session-state>
```

```

        oam-bfd-session-state
      </oam-bfd-session-state>
      <oam-lsp-ping-state>
        oam-lsp-ping-state
      </oam-lsp-ping-state>
    </oam-state>
  </mpls-lsp-path>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>

```

**Description** OAM state information

### <oam-state>

#### Usage

```

<mpls-lsp-path>
  <oam-state>
    <oam-bfd-session-state>
      oam-bfd-session-state
    </oam-bfd-session-state>
    <oam-lsp-ping-state>
      oam-lsp-ping-state
    </oam-lsp-ping-state>
  </oam-state>
</mpls-lsp-path>

```

**Description** OAM state information

### <oam-state>

#### Usage

```

<mpls-lsp>
  <mpls-lsp-path>
    <oam-state>
      <oam-bfd-session-state>
        oam-bfd-session-state
      </oam-bfd-session-state>
      <oam-lsp-ping-state>
        oam-lsp-ping-state
      </oam-lsp-ping-state>
    </oam-state>
  </mpls-lsp-path>
</mpls-lsp>

```

**Description** OAM state information

## <oam-state>

### Usage

```
<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <mpls-lsp-path>
          <oam-state>
            <oam-bfd-session-state>
              oam-bfd-session-state
            </oam-bfd-session-state>
            <oam-lsp-ping-state>
              oam-lsp-ping-state
            </oam-lsp-ping-state>
          </oam-state>
        </mpls-lsp-path>
      </mpls-lsp>
    </rsvp-session>
  </rsvp-session-data>
</mpls-lsp-information>
```

**Description** OAM state information

## <oam-state>

### Usage

```
<mpls-call-admission-control-information>
  <mpls-call-admission-control>
    <mpls-lsp>
      <mpls-lsp-path>
        <oam-state>
          <oam-bfd-session-state>
            oam-bfd-session-state
          </oam-bfd-session-state>
          <oam-lsp-ping-state>
            oam-lsp-ping-state
          </oam-lsp-ping-state>
        </oam-state>
      </mpls-lsp-path>
    </mpls-lsp>
  </mpls-call-admission-control>
</mpls-call-admission-control-information>
```

**Description** OAM state information

## <operational-routing-instance-information>

### Usage

```
<operational-routing-instance-information>
  <instance-name>
    instance-name
```

```

</instance-name>
</operational-routing-instance-information>

```

**Description** Operational routing instances that can be passed to netapp commands

### <ospf-area-header>

#### Usage

```

<ospf-area-header>
  <ospf-area>
    ospf-area
  </ospf-area>
</ospf-area-header>

```

#### Description

### <ospf-area-header>

#### Usage

```

<ospf-database-information>
  <ospf-area-header>
    <ospf-area>
      ospf-area
    </ospf-area>
  </ospf-area-header>
</ospf-database-information>

```

#### Description

### <ospf-area-overview>

#### Usage

```

<ospf-overview>
  <ospf-area-overview>
    <ospf-area>
      ospf-area
    </ospf-area>
    <ospf-stub-type>
      ospf-stub-type
    </ospf-stub-type>
    <ospf-stub-cost>
      ospf-stub-cost
    </ospf-stub-cost>
    <ospf-virtual-transit>
      ospf-virtual-transit
    </ospf-virtual-transit>
    <authentication-type>
      authentication-type
    </authentication-type>
    <ospf-abr-count>
      ospf-abr-count
    </ospf-abr-count>
  </ospf-area-overview>
</ospf-overview>

```

```
<ospf-asbr-count>
  ospf-asbr-count
</ospf-asbr-count>
<ospf-nbr-overview>....</ospf-nbr-overview>
<ospf-dna-uncapable>
  ospf-dna-uncapable
</ospf-dna-uncapable>
<ospf-area-dc-bit-clear-count>
  ospf-area-dc-bit-clear-count
</ospf-area-dc-bit-clear-count>
<ospf-area-indications-count>
  ospf-area-indications-count
</ospf-area-indications-count>
<ospf-area-self-indicating>
  ospf-area-self-indicating
</ospf-area-self-indicating>
<ospf-link-dc-bit-clear-count>
  ospf-link-dc-bit-clear-count
</ospf-link-dc-bit-clear-count>
</ospf-area-overview>
</ospf-overview>
```

**Description** Overview information for an OSPF area

### <ospf-area-overview>

#### Usage

```
<ospf-overview-information>
<ospf-overview>
  <ospf-area-overview>
    <ospf-area>
      ospf-area
    </ospf-area>
    <ospf-stub-type>
      ospf-stub-type
    </ospf-stub-type>
    <ospf-stub-cost>
      ospf-stub-cost
    </ospf-stub-cost>
    <ospf-virtual-transit>
      ospf-virtual-transit
    </ospf-virtual-transit>
    <authentication-type>
      authentication-type
    </authentication-type>
    <ospf-abr-count>
      ospf-abr-count
    </ospf-abr-count>
    <ospf-asbr-count>
      ospf-asbr-count
    </ospf-asbr-count>
    <ospf-nbr-overview>....</ospf-nbr-overview>
    <ospf-dna-uncapable>
      ospf-dna-uncapable
```

```

</ospf-dna-uncapable>
<ospf-area-dc-bit-clear-count>
  ospf-area-dc-bit-clear-count
</ospf-area-dc-bit-clear-count>
<ospf-area-indications-count>
  ospf-area-indications-count
</ospf-area-indications-count>
<ospf-area-self-indicating>
  ospf-area-self-indicating
</ospf-area-self-indicating>
<ospf-link-dc-bit-clear-count>
  ospf-link-dc-bit-clear-count
</ospf-link-dc-bit-clear-count>
</ospf-area-overview>
</ospf-overview>
</ospf-overview-information>

```

**Description** Overview information for an OSPF area

## <ospf-area-overview>

### Usage

```

<ospf3-overview-information>
<ospf-overview>
  <ospf-area-overview>
    <ospf-area>
      ospf-area
    </ospf-area>
    <ospf-stub-type>
      ospf-stub-type
    </ospf-stub-type>
    <ospf-stub-cost>
      ospf-stub-cost
    </ospf-stub-cost>
    <ospf-virtual-transit>
      ospf-virtual-transit
    </ospf-virtual-transit>
    <authentication-type>
      authentication-type
    </authentication-type>
    <ospf-abr-count>
      ospf-abr-count
    </ospf-abr-count>
    <ospf-asbr-count>
      ospf-asbr-count
    </ospf-asbr-count>
    <ospf-nbr-overview>....</ospf-nbr-overview>
    <ospf-dna-uncapable>
      ospf-dna-uncapable
    </ospf-dna-uncapable>
    <ospf-area-dc-bit-clear-count>
      ospf-area-dc-bit-clear-count
    </ospf-area-dc-bit-clear-count>
    <ospf-area-indications-count>

```

```
    ospf-area-indications-count
  </ospf-area-indications-count>
  <ospf-area-self-indicating>
    ospf-area-self-indicating
  </ospf-area-self-indicating>
  <ospf-link-dc-bit-clear-count>
    ospf-link-dc-bit-clear-count
  </ospf-link-dc-bit-clear-count>
</ospf-area-overview>
</ospf-overview>
</ospf3-overview-information>
```

**Description** Overview information for an OSPF area

### <ospf-backup-coverage-information>

**Usage**

```
<ospf-backup-coverage-information>
  <ospf-topology-backup-coverage>....</ospf-topology-backup-coverage>
</ospf-backup-coverage-information>
```

**Description** OSPF backup coverage information

### <ospf-backup-mplsp>

**Usage**

```
<ospf-backup-mplsp>
  <lsp-name>
    lsp-name
  </lsp-name>
  <lsp-addr>
    lsp-addr
  </lsp-addr>
  <lsp-status>
    lsp-status
  </lsp-status>
  <metric>
    metric
  </metric>
  <te-metric>
    te-metric
  </te-metric>
  <lsp-last-change>
    lsp-last-change
  </lsp-last-change>
</ospf-backup-mplsp>
```

**Description**



**<ospf-backup-mpls>****Usage**

```

<ospf-backup-mpls-information>
  <ospf-backup-mpls>
    <lsp-name>
      lsp-name
    </lsp-name>
    <lsp-addr>
      lsp-addr
    </lsp-addr>
    <lsp-status>
      lsp-status
    </lsp-status>
    <metric>
      metric
    </metric>
    <te-metric>
      te-metric
    </te-metric>
    <lsp-last-change>
      lsp-last-change
    </lsp-last-change>
  </ospf-backup-mpls>
</ospf-backup-mpls-information>

```

**Description****<ospf-backup-mpls-information>****Usage**

```

<ospf-backup-mpls-information>
  <ospf-backup-mpls>....</ospf-backup-mpls>
</ospf-backup-mpls-information>

```

**Description** OSPF backup MPLSP information

**<ospf-backup-neighbor-information>****Usage**

```

<ospf-backup-neighbor-information>
  <ospf-topology-backup-neighbor>....</ospf-topology-backup-neighbor>
</ospf-backup-neighbor-information>

```

**Description** OSPF backup neighbor information

**<ospf-backup-neighbor-node>****Usage**

```

<ospf-backup-neighbor-node>
  <ospf-backup-neighbor>

```

```
    ospf-backup-neighbor
  </ospf-backup-neighbor>
  <ospf-backup-neighbor-is-lsp-endpoint>
    ospf-backup-neighbor-is-lsp-endpoint
  </ospf-backup-neighbor-is-lsp-endpoint>
  <ospf-backup-neighbor-from-metric>
    ospf-backup-neighbor-from-metric
  </ospf-backup-neighbor-from-metric>
  <ospf-backup-neighbor-to-metric>
    ospf-backup-neighbor-to-metric
  </ospf-backup-neighbor-to-metric>
  <ospf-backup-next-hop>....</ospf-backup-next-hop>
</ospf-backup-neighbor-node>
```

**Description** OSPF backup neighbor node

### <ospf-backup-neighbor-node>

#### Usage

```
<ospf-topology-area-backup-neighbor>
  <ospf-backup-neighbor-node>
    <ospf-backup-neighbor>
      ospf-backup-neighbor
    </ospf-backup-neighbor>
    <ospf-backup-neighbor-is-lsp-endpoint>
      ospf-backup-neighbor-is-lsp-endpoint
    </ospf-backup-neighbor-is-lsp-endpoint>
    <ospf-backup-neighbor-from-metric>
      ospf-backup-neighbor-from-metric
    </ospf-backup-neighbor-from-metric>
    <ospf-backup-neighbor-to-metric>
      ospf-backup-neighbor-to-metric
    </ospf-backup-neighbor-to-metric>
    <ospf-backup-next-hop>....</ospf-backup-next-hop>
  </ospf-backup-neighbor-node>
</ospf-topology-area-backup-neighbor>
```

**Description** OSPF backup neighbor node

### <ospf-backup-neighbor-node>

#### Usage

```
<ospf-topology-backup-neighbor>
  <ospf-topology-area-backup-neighbor>
    <ospf-backup-neighbor-node>
      <ospf-backup-neighbor>
        ospf-backup-neighbor
      </ospf-backup-neighbor>
      <ospf-backup-neighbor-is-lsp-endpoint>
        ospf-backup-neighbor-is-lsp-endpoint
      </ospf-backup-neighbor-is-lsp-endpoint>
      <ospf-backup-neighbor-from-metric>
```

```

    ospf-backup-neighbor-from-metric
  </ospf-backup-neighbor-from-metric>
  <ospf-backup-neighbor-to-metric>
    ospf-backup-neighbor-to-metric
  </ospf-backup-neighbor-to-metric>
  <ospf-backup-next-hop>....</ospf-backup-next-hop>
</ospf-backup-neighbor-node>
</ospf-topology-area-backup-neighbor>
</ospf-topology-backup-neighbor>

```

**Description** OSPF backup neighbor node

### <ospf-backup-neighbor-node>

#### Usage

```

<ospf-backup-neighbor-information>
  <ospf-topology-backup-neighbor>
    <ospf-topology-area-backup-neighbor>
      <ospf-backup-neighbor-node>
        <ospf-backup-neighbor>
          ospf-backup-neighbor
        </ospf-backup-neighbor>
        <ospf-backup-neighbor-is-lsp-endpoint>
          ospf-backup-neighbor-is-lsp-endpoint
        </ospf-backup-neighbor-is-lsp-endpoint>
        <ospf-backup-neighbor-from-metric>
          ospf-backup-neighbor-from-metric
        </ospf-backup-neighbor-from-metric>
        <ospf-backup-neighbor-to-metric>
          ospf-backup-neighbor-to-metric
        </ospf-backup-neighbor-to-metric>
        <ospf-backup-next-hop>....</ospf-backup-next-hop>
      </ospf-backup-neighbor-node>
    </ospf-topology-area-backup-neighbor>
  </ospf-topology-backup-neighbor>
</ospf-backup-neighbor-information>

```

**Description** OSPF backup neighbor node

### <ospf-backup-next-hop>

#### Usage

```

<ospf-backup-next-hop>
  <ospf-backup-next-hop-type>
    ospf-backup-next-hop-type
  </ospf-backup-next-hop-type>
  <ospf-backup-next-hop-interface>
    ospf-backup-next-hop-interface
  </ospf-backup-next-hop-interface>
  <ospf-backup-next-hop-address>
    ospf-backup-next-hop-address
  </ospf-backup-next-hop-address>

```

```
<ospf-backup-next-hop-lsp>
  ospf-backup-next-hop-lsp
</ospf-backup-next-hop-lsp>
</ospf-backup-next-hop>
```

#### Description

### <ospf-backup-next-hop>

#### Usage

```
<ospf-route>
  <ospf-route-entry>
    <ospf-backup-next-hop>
      <ospf-backup-next-hop-type>
        ospf-backup-next-hop-type
      </ospf-backup-next-hop-type>
      <ospf-backup-next-hop-interface>
        ospf-backup-next-hop-interface
      </ospf-backup-next-hop-interface>
      <ospf-backup-next-hop-address>
        ospf-backup-next-hop-address
      </ospf-backup-next-hop-address>
      <ospf-backup-next-hop-lsp>
        ospf-backup-next-hop-lsp
      </ospf-backup-next-hop-lsp>
    </ospf-backup-next-hop>
  </ospf-route-entry>
</ospf-route>
```

#### Description

### <ospf-backup-next-hop>

#### Usage

```
<ospf-topology-route-table>
  <ospf-route>
    <ospf-route-entry>
      <ospf-backup-next-hop>
        <ospf-backup-next-hop-type>
          ospf-backup-next-hop-type
        </ospf-backup-next-hop-type>
        <ospf-backup-next-hop-interface>
          ospf-backup-next-hop-interface
        </ospf-backup-next-hop-interface>
        <ospf-backup-next-hop-address>
          ospf-backup-next-hop-address
        </ospf-backup-next-hop-address>
        <ospf-backup-next-hop-lsp>
          ospf-backup-next-hop-lsp
        </ospf-backup-next-hop-lsp>
      </ospf-backup-next-hop>
    </ospf-route-entry>
  </ospf-route>
```

```
</ospf-topology-route-table>
```

#### Description

### <ospf-backup-next-hop>

#### Usage

```
<ospf-route-information>
  <ospf-topology-route-table>
    <ospf-route>
      <ospf-route-entry>
        <ospf-backup-next-hop>
          <ospf-backup-next-hop-type>
            ospf-backup-next-hop-type
          </ospf-backup-next-hop-type>
          <ospf-backup-next-hop-interface>
            ospf-backup-next-hop-interface
          </ospf-backup-next-hop-interface>
          <ospf-backup-next-hop-address>
            ospf-backup-next-hop-address
          </ospf-backup-next-hop-address>
          <ospf-backup-next-hop-lsp>
            ospf-backup-next-hop-lsp
          </ospf-backup-next-hop-lsp>
        </ospf-backup-next-hop>
      </ospf-route-entry>
    </ospf-route>
  </ospf-topology-route-table>
</ospf-route-information>
```

#### Description

### <ospf-backup-next-hop>

#### Usage

```
<ospf-backup-spf-node>
  <ospf-backup-next-hop>
    <ospf-backup-next-hop-type>
      ospf-backup-next-hop-type
    </ospf-backup-next-hop-type>
    <ospf-backup-next-hop-interface>
      ospf-backup-next-hop-interface
    </ospf-backup-next-hop-interface>
    <ospf-backup-next-hop-address>
      ospf-backup-next-hop-address
    </ospf-backup-next-hop-address>
    <ospf-backup-next-hop-lsp>
      ospf-backup-next-hop-lsp
    </ospf-backup-next-hop-lsp>
  </ospf-backup-next-hop>
</ospf-backup-spf-node>
```

#### Description

## <ospf-backup-next-hop>

### Usage

```
<ospf-topology-area-backup-spf>
  <ospf-backup-spf-node>
    <ospf-backup-next-hop>
      <ospf-backup-next-hop-type>
        ospf-backup-next-hop-type
      </ospf-backup-next-hop-type>
      <ospf-backup-next-hop-interface>
        ospf-backup-next-hop-interface
      </ospf-backup-next-hop-interface>
      <ospf-backup-next-hop-address>
        ospf-backup-next-hop-address
      </ospf-backup-next-hop-address>
      <ospf-backup-next-hop-lsp>
        ospf-backup-next-hop-lsp
      </ospf-backup-next-hop-lsp>
    </ospf-backup-next-hop>
  </ospf-backup-spf-node>
</ospf-topology-area-backup-spf>
```

### Description

## <ospf-backup-next-hop>

### Usage

```
<ospf-topology-backup-spf>
  <ospf-topology-area-backup-spf>
    <ospf-backup-spf-node>
      <ospf-backup-next-hop>
        <ospf-backup-next-hop-type>
          ospf-backup-next-hop-type
        </ospf-backup-next-hop-type>
        <ospf-backup-next-hop-interface>
          ospf-backup-next-hop-interface
        </ospf-backup-next-hop-interface>
        <ospf-backup-next-hop-address>
          ospf-backup-next-hop-address
        </ospf-backup-next-hop-address>
        <ospf-backup-next-hop-lsp>
          ospf-backup-next-hop-lsp
        </ospf-backup-next-hop-lsp>
      </ospf-backup-next-hop>
    </ospf-backup-spf-node>
  </ospf-topology-area-backup-spf>
</ospf-topology-backup-spf>
```

### Description

**<ospf-backup-next-hop>****Usage**

```

<ospf-backup-spf-information>
  <ospf-topology-backup-spf>
    <ospf-topology-area-backup-spf>
      <ospf-backup-spf-node>
        <ospf-backup-next-hop>
          <ospf-backup-next-hop-type>
            ospf-backup-next-hop-type
          </ospf-backup-next-hop-type>
          <ospf-backup-next-hop-interface>
            ospf-backup-next-hop-interface
          </ospf-backup-next-hop-interface>
          <ospf-backup-next-hop-address>
            ospf-backup-next-hop-address
          </ospf-backup-next-hop-address>
          <ospf-backup-next-hop-lsp>
            ospf-backup-next-hop-lsp
          </ospf-backup-next-hop-lsp>
        </ospf-backup-next-hop>
      </ospf-backup-spf-node>
    </ospf-topology-area-backup-spf>
  </ospf-topology-backup-spf>
</ospf-backup-spf-information>

```

**Description****<ospf-backup-next-hop>****Usage**

```

<ospf-backup-neighbor-node>
  <ospf-backup-next-hop>
    <ospf-backup-next-hop-type>
      ospf-backup-next-hop-type
    </ospf-backup-next-hop-type>
    <ospf-backup-next-hop-interface>
      ospf-backup-next-hop-interface
    </ospf-backup-next-hop-interface>
    <ospf-backup-next-hop-address>
      ospf-backup-next-hop-address
    </ospf-backup-next-hop-address>
    <ospf-backup-next-hop-lsp>
      ospf-backup-next-hop-lsp
    </ospf-backup-next-hop-lsp>
  </ospf-backup-next-hop>
</ospf-backup-neighbor-node>

```

**Description**

## <ospf-backup-next-hop>

### Usage

```
<ospf-topology-area-backup-neighbor>
<ospf-backup-neighbor-node>
  <ospf-backup-next-hop>
    <ospf-backup-next-hop-type>
      ospf-backup-next-hop-type
    </ospf-backup-next-hop-type>
    <ospf-backup-next-hop-interface>
      ospf-backup-next-hop-interface
    </ospf-backup-next-hop-interface>
    <ospf-backup-next-hop-address>
      ospf-backup-next-hop-address
    </ospf-backup-next-hop-address>
    <ospf-backup-next-hop-lsp>
      ospf-backup-next-hop-lsp
    </ospf-backup-next-hop-lsp>
  </ospf-backup-next-hop>
</ospf-backup-neighbor-node>
</ospf-topology-area-backup-neighbor>
```

### Description

## <ospf-backup-next-hop>

### Usage

```
<ospf-topology-backup-neighbor>
<ospf-topology-area-backup-neighbor>
  <ospf-backup-neighbor-node>
    <ospf-backup-next-hop>
      <ospf-backup-next-hop-type>
        ospf-backup-next-hop-type
      </ospf-backup-next-hop-type>
      <ospf-backup-next-hop-interface>
        ospf-backup-next-hop-interface
      </ospf-backup-next-hop-interface>
      <ospf-backup-next-hop-address>
        ospf-backup-next-hop-address
      </ospf-backup-next-hop-address>
      <ospf-backup-next-hop-lsp>
        ospf-backup-next-hop-lsp
      </ospf-backup-next-hop-lsp>
    </ospf-backup-next-hop>
  </ospf-backup-neighbor-node>
</ospf-topology-area-backup-neighbor>
</ospf-topology-backup-neighbor>
```

### Description



**<ospf-backup-next-hop>****Usage**

```

<ospf-backup-neighbor-information>
  <ospf-topology-backup-neighbor>
    <ospf-topology-area-backup-neighbor>
      <ospf-backup-neighbor-node>
        <ospf-backup-next-hop>
          <ospf-backup-next-hop-type>
            ospf-backup-next-hop-type
          </ospf-backup-next-hop-type>
          <ospf-backup-next-hop-interface>
            ospf-backup-next-hop-interface
          </ospf-backup-next-hop-interface>
          <ospf-backup-next-hop-address>
            ospf-backup-next-hop-address
          </ospf-backup-next-hop-address>
          <ospf-backup-next-hop-lsp>
            ospf-backup-next-hop-lsp
          </ospf-backup-next-hop-lsp>
        </ospf-backup-next-hop>
      </ospf-backup-neighbor-node>
    </ospf-topology-area-backup-neighbor>
  </ospf-topology-backup-neighbor>
</ospf-backup-neighbor-information>

```

**Description****<ospf-backup-next-hop>****Usage**

```

<ospf3-route>
  <ospf3-route-entry>
    <ospf-backup-next-hop>
      <ospf-backup-next-hop-type>
        ospf-backup-next-hop-type
      </ospf-backup-next-hop-type>
      <ospf-backup-next-hop-interface>
        ospf-backup-next-hop-interface
      </ospf-backup-next-hop-interface>
      <ospf-backup-next-hop-address>
        ospf-backup-next-hop-address
      </ospf-backup-next-hop-address>
      <ospf-backup-next-hop-lsp>
        ospf-backup-next-hop-lsp
      </ospf-backup-next-hop-lsp>
    </ospf-backup-next-hop>
  </ospf3-route-entry>
</ospf3-route>

```

**Description**

## <ospf-backup-next-hop>

### Usage

```
<ospf3-route-information>
  <ospf3-route>
    <ospf3-route-entry>
      <ospf-backup-next-hop>
        <ospf-backup-next-hop-type>
          ospf-backup-next-hop-type
        </ospf-backup-next-hop-type>
        <ospf-backup-next-hop-interface>
          ospf-backup-next-hop-interface
        </ospf-backup-next-hop-interface>
        <ospf-backup-next-hop-address>
          ospf-backup-next-hop-address
        </ospf-backup-next-hop-address>
        <ospf-backup-next-hop-lsp>
          ospf-backup-next-hop-lsp
        </ospf-backup-next-hop-lsp>
      </ospf-backup-next-hop>
    </ospf3-route-entry>
  </ospf3-route>
</ospf3-route-information>
```

### Description

## <ospf-backup-next-hop>

### Usage

```
<ospf3-backup-spf-node>
  <ospf-backup-next-hop>
    <ospf-backup-next-hop-type>
      ospf-backup-next-hop-type
    </ospf-backup-next-hop-type>
    <ospf-backup-next-hop-interface>
      ospf-backup-next-hop-interface
    </ospf-backup-next-hop-interface>
    <ospf-backup-next-hop-address>
      ospf-backup-next-hop-address
    </ospf-backup-next-hop-address>
    <ospf-backup-next-hop-lsp>
      ospf-backup-next-hop-lsp
    </ospf-backup-next-hop-lsp>
  </ospf-backup-next-hop>
</ospf3-backup-spf-node>
```

### Description

## <ospf-backup-next-hop>

### Usage

```
<ospf3-topology-area-backup-spf>
  <ospf3-backup-spf-node>
```

```

<ospf-backup-next-hop>
  <ospf-backup-next-hop-type>
    ospf-backup-next-hop-type
  </ospf-backup-next-hop-type>
  <ospf-backup-next-hop-interface>
    ospf-backup-next-hop-interface
  </ospf-backup-next-hop-interface>
  <ospf-backup-next-hop-address>
    ospf-backup-next-hop-address
  </ospf-backup-next-hop-address>
  <ospf-backup-next-hop-lsp>
    ospf-backup-next-hop-lsp
  </ospf-backup-next-hop-lsp>
</ospf-backup-next-hop>
</ospf3-backup-spf-node>
</ospf3-topology-area-backup-spf>

```

#### Description

### <ospf-backup-next-hop>

#### Usage

```

<ospf3-topology-backup-spf>
  <ospf3-topology-area-backup-spf>
    <ospf3-backup-spf-node>
      <ospf-backup-next-hop>
        <ospf-backup-next-hop-type>
          ospf-backup-next-hop-type
        </ospf-backup-next-hop-type>
        <ospf-backup-next-hop-interface>
          ospf-backup-next-hop-interface
        </ospf-backup-next-hop-interface>
        <ospf-backup-next-hop-address>
          ospf-backup-next-hop-address
        </ospf-backup-next-hop-address>
        <ospf-backup-next-hop-lsp>
          ospf-backup-next-hop-lsp
        </ospf-backup-next-hop-lsp>
      </ospf-backup-next-hop>
    </ospf3-backup-spf-node>
  </ospf3-topology-area-backup-spf>
</ospf3-topology-backup-spf>

```

#### Description

### <ospf-backup-next-hop>

#### Usage

```

<ospf3-backup-spf-information>
  <ospf3-topology-backup-spf>
    <ospf3-topology-area-backup-spf>
      <ospf3-backup-spf-node>
        <ospf-backup-next-hop>
          <ospf-backup-next-hop-type>

```

```
    ospf-backup-next-hop-type
  </ospf-backup-next-hop-type>
  <ospf-backup-next-hop-interface>
    ospf-backup-next-hop-interface
  </ospf-backup-next-hop-interface>
  <ospf-backup-next-hop-address>
    ospf-backup-next-hop-address
  </ospf-backup-next-hop-address>
  <ospf-backup-next-hop-lsp>
    ospf-backup-next-hop-lsp
  </ospf-backup-next-hop-lsp>
</ospf-backup-next-hop>
</ospf3-backup-spf-node>
</ospf3-topology-area-backup-spf>
</ospf3-topology-backup-spf>
</ospf3-backup-spf-information>
```

#### Description

### <ospf-backup-next-hop>

#### Usage

```
<ospf3-backup-neighbor-node>
  <ospf-backup-next-hop>
    <ospf-backup-next-hop-type>
      ospf-backup-next-hop-type
    </ospf-backup-next-hop-type>
    <ospf-backup-next-hop-interface>
      ospf-backup-next-hop-interface
    </ospf-backup-next-hop-interface>
    <ospf-backup-next-hop-address>
      ospf-backup-next-hop-address
    </ospf-backup-next-hop-address>
    <ospf-backup-next-hop-lsp>
      ospf-backup-next-hop-lsp
    </ospf-backup-next-hop-lsp>
  </ospf-backup-next-hop>
</ospf3-backup-neighbor-node>
```

#### Description

### <ospf-backup-next-hop>

#### Usage

```
<ospf3-topology-area-backup-neighbor>
  <ospf3-backup-neighbor-node>
    <ospf-backup-next-hop>
      <ospf-backup-next-hop-type>
        ospf-backup-next-hop-type
      </ospf-backup-next-hop-type>
      <ospf-backup-next-hop-interface>
        ospf-backup-next-hop-interface
      </ospf-backup-next-hop-interface>
      <ospf-backup-next-hop-address>
```

```

    ospf-backup-next-hop-address
  </ospf-backup-next-hop-address>
  <ospf-backup-next-hop-lsp>
    ospf-backup-next-hop-lsp
  </ospf-backup-next-hop-lsp>
</ospf-backup-next-hop>
</ospf3-backup-neighbor-node>
</ospf3-topology-area-backup-neighbor>

```

#### Description

### <ospf-backup-next-hop>

#### Usage

```

<ospf3-topology-backup-neighbor>
  <ospf3-topology-area-backup-neighbor>
    <ospf3-backup-neighbor-node>
      <ospf-backup-next-hop>
        <ospf-backup-next-hop-type>
          ospf-backup-next-hop-type
        </ospf-backup-next-hop-type>
        <ospf-backup-next-hop-interface>
          ospf-backup-next-hop-interface
        </ospf-backup-next-hop-interface>
        <ospf-backup-next-hop-address>
          ospf-backup-next-hop-address
        </ospf-backup-next-hop-address>
        <ospf-backup-next-hop-lsp>
          ospf-backup-next-hop-lsp
        </ospf-backup-next-hop-lsp>
      </ospf-backup-next-hop>
    </ospf3-backup-neighbor-node>
  </ospf3-topology-area-backup-neighbor>
</ospf3-topology-backup-neighbor>

```

#### Description

### <ospf-backup-next-hop>

#### Usage

```

<ospf3-backup-neighbor-information>
  <ospf3-topology-backup-neighbor>
    <ospf3-topology-area-backup-neighbor>
      <ospf3-backup-neighbor-node>
        <ospf-backup-next-hop>
          <ospf-backup-next-hop-type>
            ospf-backup-next-hop-type
          </ospf-backup-next-hop-type>
          <ospf-backup-next-hop-interface>
            ospf-backup-next-hop-interface
          </ospf-backup-next-hop-interface>
          <ospf-backup-next-hop-address>
            ospf-backup-next-hop-address
          </ospf-backup-next-hop-address>
        </ospf-backup-next-hop>
      </ospf3-backup-neighbor-node>
    </ospf3-topology-area-backup-neighbor>
  </ospf3-topology-backup-neighbor>
</ospf3-backup-neighbor-information>

```

```
<ospf-backup-next-hop-lsp>
  ospf-backup-next-hop-lsp
</ospf-backup-next-hop-lsp>
</ospf-backup-next-hop>
</ospf3-backup-neighbor-node>
</ospf3-topology-area-backup-neighbor>
</ospf3-topology-backup-neighbor>
</ospf3-backup-neighbor-information>
```

#### Description

### <ospf-backup-node-coverage>

#### Usage

```
<ospf-backup-node-coverage>
  <ospf-area>
    ospf-area
  </ospf-area>
  <ospf-covered-nodes>
    ospf-covered-nodes
  </ospf-covered-nodes>
  <ospf-total-nodes>
    ospf-total-nodes
  </ospf-total-nodes>
  <ospf-node-coverage>
    ospf-node-coverage
  </ospf-node-coverage>
</ospf-backup-node-coverage>
```

#### Description

### <ospf-backup-node-coverage>

#### Usage

```
<ospf-topology-backup-coverage>
  <ospf-backup-node-coverage>
    <ospf-area>
      ospf-area
    </ospf-area>
    <ospf-covered-nodes>
      ospf-covered-nodes
    </ospf-covered-nodes>
    <ospf-total-nodes>
      ospf-total-nodes
    </ospf-total-nodes>
    <ospf-node-coverage>
      ospf-node-coverage
    </ospf-node-coverage>
  </ospf-backup-node-coverage>
</ospf-topology-backup-coverage>
```

#### Description

## <ospf-backup-node-coverage>

### Usage

```

<ospf-backup-coverage-information>
  <ospf-topology-backup-coverage>
    <ospf-backup-node-coverage>
      <ospf-area>
        ospf-area
      </ospf-area>
      <ospf-covered-nodes>
        ospf-covered-nodes
      </ospf-covered-nodes>
      <ospf-total-nodes>
        ospf-total-nodes
      </ospf-total-nodes>
      <ospf-node-coverage>
        ospf-node-coverage
      </ospf-node-coverage>
    </ospf-backup-node-coverage>
  </ospf-topology-backup-coverage>
</ospf-backup-coverage-information>

```

### Description

## <ospf-backup-route-coverage>

### Usage

```

<ospf-backup-route-coverage>
  <ospf-path-type>
    ospf-path-type
  </ospf-path-type>
  <ospf-covered-routes>
    ospf-covered-routes
  </ospf-covered-routes>
  <ospf-total-routes>
    ospf-total-routes
  </ospf-total-routes>
  <ospf-route-coverage>
    ospf-route-coverage
  </ospf-route-coverage>
</ospf-backup-route-coverage>

```

### Description

## <ospf-backup-route-coverage>

### Usage

```

<ospf-topology-backup-coverage>
  <ospf-backup-route-coverage>
    <ospf-path-type>
      ospf-path-type
    </ospf-path-type>
    <ospf-covered-routes>

```

```
    ospf-covered-routes
  </ospf-covered-routes>
  <ospf-total-routes>
    ospf-total-routes
  </ospf-total-routes>
  <ospf-route-coverage>
    ospf-route-coverage
  </ospf-route-coverage>
</ospf-backup-route-coverage>
</ospf-topology-backup-coverage>
```

#### Description

### <ospf-backup-route-coverage>

#### Usage

```
<ospf-backup-coverage-information>
  <ospf-topology-backup-coverage>
    <ospf-backup-route-coverage>
      <ospf-path-type>
        ospf-path-type
      </ospf-path-type>
      <ospf-covered-routes>
        ospf-covered-routes
      </ospf-covered-routes>
      <ospf-total-routes>
        ospf-total-routes
      </ospf-total-routes>
      <ospf-route-coverage>
        ospf-route-coverage
      </ospf-route-coverage>
    </ospf-backup-route-coverage>
  </ospf-topology-backup-coverage>
</ospf-backup-coverage-information>
```

#### Description

### <ospf-backup-spf-information>

#### Usage

```
<ospf-backup-spf-information>
  <ospf-topology-backup-spf>....</ospf-topology-backup-spf>
</ospf-backup-spf-information>
```

**Description** OSPF backup SPF information

### <ospf-backup-spf-node>

#### Usage

```
<ospf-backup-spf-node>
  <ospf-node-id>....</ospf-node-id>
  <ospf-node-metric>
```



```

    ospf-node-metric
  </ospf-node-metric>
  <ospf-parent-node-id>....</ospf-parent-node-id>
  <ospf-next-hop>....</ospf-next-hop>
  <ospf-backup-next-hop>....</ospf-backup-next-hop>
  <ospf-backup-spf-result>....</ospf-backup-spf-result>
</ospf-backup-spf-node>

```

**Description** OSPF node specific backup SPF information

### <ospf-backup-spf-node>

#### Usage

```

<ospf-topology-area-backup-spf>
  <ospf-backup-spf-node>
    <ospf-node-id>....</ospf-node-id>
    <ospf-node-metric>
      ospf-node-metric
    </ospf-node-metric>
    <ospf-parent-node-id>....</ospf-parent-node-id>
    <ospf-next-hop>....</ospf-next-hop>
    <ospf-backup-next-hop>....</ospf-backup-next-hop>
    <ospf-backup-spf-result>....</ospf-backup-spf-result>
  </ospf-backup-spf-node>
</ospf-topology-area-backup-spf>

```

**Description** OSPF node specific backup SPF information

### <ospf-backup-spf-node>

#### Usage

```

<ospf-topology-backup-spf>
  <ospf-topology-area-backup-spf>
    <ospf-backup-spf-node>
      <ospf-node-id>....</ospf-node-id>
      <ospf-node-metric>
        ospf-node-metric
      </ospf-node-metric>
      <ospf-parent-node-id>....</ospf-parent-node-id>
      <ospf-next-hop>....</ospf-next-hop>
      <ospf-backup-next-hop>....</ospf-backup-next-hop>
      <ospf-backup-spf-result>....</ospf-backup-spf-result>
    </ospf-backup-spf-node>
  </ospf-topology-area-backup-spf>
</ospf-topology-backup-spf>

```

**Description** OSPF node specific backup SPF information

## <ospf-backup-spf-node>

### Usage

```
<ospf-backup-spf-information>
  <ospf-topology-backup-spf>
    <ospf-topology-area-backup-spf>
      <ospf-backup-spf-node>
        <ospf-node-id>....</ospf-node-id>
        <ospf-node-metric>
          ospf-node-metric
        </ospf-node-metric>
        <ospf-parent-node-id>....</ospf-parent-node-id>
        <ospf-next-hop>....</ospf-next-hop>
        <ospf-backup-next-hop>....</ospf-backup-next-hop>
        <ospf-backup-spf-result>....</ospf-backup-spf-result>
      </ospf-backup-spf-node>
    </ospf-topology-area-backup-spf>
  </ospf-topology-backup-spf>
</ospf-backup-spf-information>
```

**Description** OSPF node specific backup SPF information

## <ospf-backup-spf-result>

### Usage

```
<ospf-backup-spf-result>
  <ospf-backup-neighbor>
    ospf-backup-neighbor
  </ospf-backup-neighbor>
  <ospf-backup-preference>
    ospf-backup-preference
  </ospf-backup-preference>
  <ospf-backup-neighbor-is-lsp-endpoint>
    ospf-backup-neighbor-is-lsp-endpoint
  </ospf-backup-neighbor-is-lsp-endpoint>
  <ospf-backup-metric>
    ospf-backup-metric
  </ospf-backup-metric>
  <ospf-backup-neighbor-from-metric>
    ospf-backup-neighbor-from-metric
  </ospf-backup-neighbor-from-metric>
  <ospf-backup-neighbor-to-metric>
    ospf-backup-neighbor-to-metric
  </ospf-backup-neighbor-to-metric>
  <ospf-track-item>
    ospf-track-item
  </ospf-track-item>
  <ospf-backup-result-status>
    ospf-backup-result-status
  </ospf-backup-result-status>
  <ospf-backup-result-no-coverage-reason>
    ospf-backup-result-no-coverage-reason
  </ospf-backup-result-no-coverage-reason>
```

```
</ospf-backup-spf-result>
```

**Description** OSPF backup SPF result

```
<ospf-backup-spf-result>
```

**Usage**

```
<ospf-backup-spf-node>
  <ospf-backup-spf-result>
    <ospf-backup-neighbor>
      ospf-backup-neighbor
    </ospf-backup-neighbor>
    <ospf-backup-preference>
      ospf-backup-preference
    </ospf-backup-preference>
    <ospf-backup-neighbor-is-lsp-endpoint>
      ospf-backup-neighbor-is-lsp-endpoint
    </ospf-backup-neighbor-is-lsp-endpoint>
    <ospf-backup-metric>
      ospf-backup-metric
    </ospf-backup-metric>
    <ospf-backup-neighbor-from-metric>
      ospf-backup-neighbor-from-metric
    </ospf-backup-neighbor-from-metric>
    <ospf-backup-neighbor-to-metric>
      ospf-backup-neighbor-to-metric
    </ospf-backup-neighbor-to-metric>
    <ospf-track-item>
      ospf-track-item
    </ospf-track-item>
    <ospf-backup-result-status>
      ospf-backup-result-status
    </ospf-backup-result-status>
    <ospf-backup-result-no-coverage-reason>
      ospf-backup-result-no-coverage-reason
    </ospf-backup-result-no-coverage-reason>
  </ospf-backup-spf-result>
</ospf-backup-spf-node>
```

**Description** OSPF backup SPF result

```
<ospf-backup-spf-result>
```

**Usage**

```
<ospf-topology-area-backup-spf>
  <ospf-backup-spf-node>
    <ospf-backup-spf-result>
      <ospf-backup-neighbor>
        ospf-backup-neighbor
      </ospf-backup-neighbor>
      <ospf-backup-preference>
        ospf-backup-preference
```

```
</ospf-backup-preference>
<ospf-backup-neighbor-is-lsp-endpoint>
  ospf-backup-neighbor-is-lsp-endpoint
</ospf-backup-neighbor-is-lsp-endpoint>
<ospf-backup-metric>
  ospf-backup-metric
</ospf-backup-metric>
<ospf-backup-neighbor-from-metric>
  ospf-backup-neighbor-from-metric
</ospf-backup-neighbor-from-metric>
<ospf-backup-neighbor-to-metric>
  ospf-backup-neighbor-to-metric
</ospf-backup-neighbor-to-metric>
<ospf-track-item>
  ospf-track-item
</ospf-track-item>
<ospf-backup-result-status>
  ospf-backup-result-status
</ospf-backup-result-status>
<ospf-backup-result-no-coverage-reason>
  ospf-backup-result-no-coverage-reason
</ospf-backup-result-no-coverage-reason>
</ospf-backup-spf-result>
</ospf-backup-spf-node>
</ospf-topology-area-backup-spf>
```

**Description** OSPF backup SPF result

### <ospf-backup-spf-result>

#### Usage

```
<ospf-topology-backup-spf>
<ospf-topology-area-backup-spf>
<ospf-backup-spf-node>
  <ospf-backup-spf-result>
    <ospf-backup-neighbor>
      ospf-backup-neighbor
    </ospf-backup-neighbor>
    <ospf-backup-preference>
      ospf-backup-preference
    </ospf-backup-preference>
    <ospf-backup-neighbor-is-lsp-endpoint>
      ospf-backup-neighbor-is-lsp-endpoint
    </ospf-backup-neighbor-is-lsp-endpoint>
    <ospf-backup-metric>
      ospf-backup-metric
    </ospf-backup-metric>
    <ospf-backup-neighbor-from-metric>
      ospf-backup-neighbor-from-metric
    </ospf-backup-neighbor-from-metric>
    <ospf-backup-neighbor-to-metric>
      ospf-backup-neighbor-to-metric
    </ospf-backup-neighbor-to-metric>
    <ospf-track-item>
```

```

    ospf-track-item
  </ospf-track-item>
  <ospf-backup-result-status>
    ospf-backup-result-status
  </ospf-backup-result-status>
  <ospf-backup-result-no-coverage-reason>
    ospf-backup-result-no-coverage-reason
  </ospf-backup-result-no-coverage-reason>
</ospf-backup-spf-result>
</ospf-backup-spf-node>
</ospf-topology-area-backup-spf>
</ospf-topology-backup-spf>

```

**Description** OSPF backup SPF result

### <ospf-backup-spf-result>

#### Usage

```

<ospf-backup-spf-information>
  <ospf-topology-backup-spf>
    <ospf-topology-area-backup-spf>
      <ospf-backup-spf-node>
        <ospf-backup-spf-result>
          <ospf-backup-neighbor>
            ospf-backup-neighbor
          </ospf-backup-neighbor>
          <ospf-backup-preference>
            ospf-backup-preference
          </ospf-backup-preference>
          <ospf-backup-neighbor-is-lsp-endpoint>
            ospf-backup-neighbor-is-lsp-endpoint
          </ospf-backup-neighbor-is-lsp-endpoint>
          <ospf-backup-metric>
            ospf-backup-metric
          </ospf-backup-metric>
          <ospf-backup-neighbor-from-metric>
            ospf-backup-neighbor-from-metric
          </ospf-backup-neighbor-from-metric>
          <ospf-backup-neighbor-to-metric>
            ospf-backup-neighbor-to-metric
          </ospf-backup-neighbor-to-metric>
          <ospf-track-item>
            ospf-track-item
          </ospf-track-item>
          <ospf-backup-result-status>
            ospf-backup-result-status
          </ospf-backup-result-status>
          <ospf-backup-result-no-coverage-reason>
            ospf-backup-result-no-coverage-reason
          </ospf-backup-result-no-coverage-reason>
        </ospf-backup-spf-result>
      </ospf-backup-spf-node>
    </ospf-topology-area-backup-spf>
  </ospf-topology-backup-spf>

```

```
</ospf-backup-spf-information>
```

**Description**    OSPF backup SPF result

## <ospf-context-id>

### Usage

```
<ospf-context-id>
  <ospf-ctx-id>
    ospf-ctx-id
  </ospf-ctx-id>
  <ospf-context-id-area>
    ospf-context-id-area
  </ospf-context-id-area>
  <ospf-context-id-type>
    ospf-context-id-type
  </ospf-context-id-type>
  <ospf-context-id-metric>
    ospf-context-id-metric
  </ospf-context-id-metric>
  <ospf-context-id-adv-metric>
    ospf-context-id-adv-metric
  </ospf-context-id-adv-metric>
  <ospf-context-id-pe-role>
    ospf-context-id-pe-role
  </ospf-context-id-pe-role>
  <ospf-context-id-status>
    ospf-context-id-status
  </ospf-context-id-status>
  <ospf-context-id-advertising-router>
    ospf-context-id-advertising-router
  </ospf-context-id-advertising-router>
</ospf-context-id>
```

### Description

## <ospf-context-id>

### Usage

```
<ospf-context-id-information>
  <ospf-context-id>
    <ospf-ctx-id>
      ospf-ctx-id
    </ospf-ctx-id>
    <ospf-context-id-area>
      ospf-context-id-area
    </ospf-context-id-area>
    <ospf-context-id-type>
      ospf-context-id-type
    </ospf-context-id-type>
    <ospf-context-id-metric>
      ospf-context-id-metric
    </ospf-context-id-metric>
  </ospf-context-id>
```

```

<ospf-context-id-adv-metric>
  ospf-context-id-adv-metric
</ospf-context-id-adv-metric>
<ospf-context-id-pe-role>
  ospf-context-id-pe-role
</ospf-context-id-pe-role>
<ospf-context-id-status>
  ospf-context-id-status
</ospf-context-id-status>
<ospf-context-id-advertising-router>
  ospf-context-id-advertising-router
</ospf-context-id-advertising-router>
</ospf-context-id>
</ospf-context-id-information>

```

#### Description

### <ospf-context-id-information>

#### Usage

```

<ospf-context-id-information>
  <ospf-context-id>....</ospf-context-id>
</ospf-context-id-information>

```

**Description** Information about OSPF neighbors in a routing instance

### <ospf-database>

#### Usage

```

<ospf-database>
  <lsa-type>
    lsa-type
  </lsa-type>
  <our-entry>
    our-entry
  </our-entry>
  <lsa-id>
    lsa-id
  </lsa-id>
  <advertising-router>
    advertising-router
  </advertising-router>
  <sequence-number>
    sequence-number
  </sequence-number>
  <age>
    age
  </age>
  <ospf-do-not-age>
    ospf-do-not-age
  </ospf-do-not-age>
  <options>
    options

```

```
</options>
<checksum>
  checksum
</checksum>
<lsa-length>
  lsa-length
</lsa-length>
<ospf-router-lsa>....</ospf-router-lsa>
<ospf-network-lsa>....</ospf-network-lsa>
<ospf-opaque-area-lsa>....</ospf-opaque-area-lsa>
<ospf-opaque-link-local-lsa>....</ospf-opaque-link-local-lsa>
<ospf-summary-lsa>....</ospf-summary-lsa>
<ospf-external-lsa>....</ospf-external-lsa>
<ospf-database-extensive>....</ospf-database-extensive>
</ospf-database>
```

## Description

### <ospf-database>

#### Usage

```
<ospf-database-information>
<ospf-database>
  <lsa-type>
    lsa-type
  </lsa-type>
  <our-entry>
    our-entry
  </our-entry>
  <lsa-id>
    lsa-id
  </lsa-id>
  <advertising-router>
    advertising-router
  </advertising-router>
  <sequence-number>
    sequence-number
  </sequence-number>
  <age>
    age
  </age>
  <ospf-do-not-age>
    ospf-do-not-age
  </ospf-do-not-age>
  <options>
    options
  </options>
  <checksum>
    checksum
  </checksum>
  <lsa-length>
    lsa-length
  </lsa-length>
  <ospf-router-lsa>....</ospf-router-lsa>
  <ospf-network-lsa>....</ospf-network-lsa>
```



```

<ospf-opaque-area-lsa>....</ospf-opaque-area-lsa>
<ospf-opaque-link-local-lsa>....</ospf-opaque-link-local-lsa>
<ospf-summary-lsa>....</ospf-summary-lsa>
<ospf-external-lsa>....</ospf-external-lsa>
<ospf-database-extensive>....</ospf-database-extensive>
</ospf-database>
</ospf-database-information>

```

## Description

### <ospf-database-extensive>

#### Usage

```

<ospf-database-extensive>
  <generation-timer>
    generation-timer
  </generation-timer>
  <aging-timer>
    aging-timer
  </aging-timer>
  <installation-time>
    installation-time
  </installation-time>
  <expiration-time>
    expiration-time
  </expiration-time>
  <send-time>
    send-time
  </send-time>
  <lsa-changed-time>
    lsa-changed-time
  </lsa-changed-time>
  <lsa-change-count>
    lsa-change-count
  </lsa-change-count>
  <indication-lsa>
    indication-lsa
  </indication-lsa>
  <database-entry-state>
    database-entry-state
  </database-entry-state>
  <database-telink-id>
    database-telink-id
  </database-telink-id>
  <standby-flood-status>
    standby-flood-status
  </standby-flood-status>
</ospf-database-extensive>

```

## Description

## <ospf-database-extensive>

### Usage

```
<ospf-database>
  <ospf-database-extensive>
    <generation-timer>
      generation-timer
    </generation-timer>
    <aging-timer>
      aging-timer
    </aging-timer>
    <installation-time>
      installation-time
    </installation-time>
    <expiration-time>
      expiration-time
    </expiration-time>
    <send-time>
      send-time
    </send-time>
    <lsa-changed-time>
      lsa-changed-time
    </lsa-changed-time>
    <lsa-change-count>
      lsa-change-count
    </lsa-change-count>
    <indication-lsa>
      indication-lsa
    </indication-lsa>
    <database-entry-state>
      database-entry-state
    </database-entry-state>
    <database-telink-id>
      database-telink-id
    </database-telink-id>
    <standby-flood-status>
      standby-flood-status
    </standby-flood-status>
  </ospf-database-extensive>
</ospf-database>
```

### Description

## <ospf-database-extensive>

### Usage

```
<ospf-database-information>
  <ospf-database>
    <ospf-database-extensive>
      <generation-timer>
        generation-timer
      </generation-timer>
      <aging-timer>
        aging-timer
```

```

</aging-timer>
<installation-time>
  installation-time
</installation-time>
<expiration-time>
  expiration-time
</expiration-time>
<send-time>
  send-time
</send-time>
<lsa-changed-time>
  lsa-changed-time
</lsa-changed-time>
<lsa-change-count>
  lsa-change-count
</lsa-change-count>
<indication-lsa>
  indication-lsa
</indication-lsa>
<database-entry-state>
  database-entry-state
</database-entry-state>
<database-telink-id>
  database-telink-id
</database-telink-id>
<standby-flood-status>
  standby-flood-status
</standby-flood-status>
</ospf-database-extensive>
</ospf-database>
</ospf-database-information>

```

## Description

### <ospf-database-extensive>

#### Usage

```

<ospf3-database>
<ospf-database-extensive>
  <generation-timer>
    generation-timer
  </generation-timer>
  <aging-timer>
    aging-timer
  </aging-timer>
  <installation-time>
    installation-time
  </installation-time>
  <expiration-time>
    expiration-time
  </expiration-time>
  <send-time>
    send-time
  </send-time>
  <lsa-changed-time>

```

```
    lsa-changed-time
  </lsa-changed-time>
  <lsa-change-count>
    lsa-change-count
  </lsa-change-count>
  <indication-lsa>
    indication-lsa
  </indication-lsa>
  <database-entry-state>
    database-entry-state
  </database-entry-state>
  <database-telink-id>
    database-telink-id
  </database-telink-id>
  <standby-flood-status>
    standby-flood-status
  </standby-flood-status>
</ospf-database-extensive>
</ospf3-database>
```

#### Description

### <ospf-database-extensive>

#### Usage

```
<ospf3-database-information>
  <ospf3-database>
    <ospf-database-extensive>
      <generation-timer>
        generation-timer
      </generation-timer>
      <aging-timer>
        aging-timer
      </aging-timer>
      <installation-time>
        installation-time
      </installation-time>
      <expiration-time>
        expiration-time
      </expiration-time>
      <send-time>
        send-time
      </send-time>
      <lsa-changed-time>
        lsa-changed-time
      </lsa-changed-time>
      <lsa-change-count>
        lsa-change-count
      </lsa-change-count>
      <indication-lsa>
        indication-lsa
      </indication-lsa>
      <database-entry-state>
        database-entry-state
      </database-entry-state>
```

```

<database-telink-id>
  database-telink-id
</database-telink-id>
<standby-flood-status>
  standby-flood-status
</standby-flood-status>
</ospf-database-extensive>
</ospf3-database>
</ospf3-database-information>

```

#### Description

### <ospf-database-information>

#### Usage

```

<ospf-database-information>
  <ospf-area-header>....</ospf-area-header>
  <ospf-intf-header>....</ospf-intf-header>
  <ospf-database>....</ospf-database>
  <ospf-database-summary>....</ospf-database-summary>
</ospf-database-information>

```

#### Description

### <ospf-database-replication>

#### Usage

```

<ospf-database-replication>
  <lsa-type>
    lsa-type
  </lsa-type>
  <lsa-id>
    lsa-id
  </lsa-id>
  <advertising-router>
    advertising-router
  </advertising-router>
  <sequence-number>
    sequence-number
  </sequence-number>
  <age>
    age
  </age>
  <ospf-do-not-age>
    ospf-do-not-age
  </ospf-do-not-age>
  <ospf-synchronization-state>
    ospf-synchronization-state
  </ospf-synchronization-state>
  <ospf-route-table-index>
    ospf-route-table-index
  </ospf-route-table-index>
  <ospf-area>
    ospf-area

```

```
</ospf-area>
<ospf-router-id>
  ospf-router-id
</ospf-router-id>
<ospf-ifl-index>
  ospf-ifl-index
</ospf-ifl-index>
<interface-address>
  interface-address
</interface-address>
<installation-time>
  installation-time
</installation-time>
<ospf-unsync-reason>
  ospf-unsync-reason
</ospf-unsync-reason>
</ospf-database-replication>
```

**Description** OSPF LSA replication information

### <ospf-database-replication>

#### Usage

```
<ospf-database-replication-information>
<ospf-database-replication>
  <lsa-type>
    lsa-type
  </lsa-type>
  <lsa-id>
    lsa-id
  </lsa-id>
  <advertising-router>
    advertising-router
  </advertising-router>
  <sequence-number>
    sequence-number
  </sequence-number>
  <age>
    age
  </age>
  <ospf-do-not-age>
    ospf-do-not-age
  </ospf-do-not-age>
  <ospf-synchronization-state>
    ospf-synchronization-state
  </ospf-synchronization-state>
  <ospf-route-table-index>
    ospf-route-table-index
  </ospf-route-table-index>
  <ospf-area>
    ospf-area
  </ospf-area>
  <ospf-router-id>
    ospf-router-id
```

```

</ospf-router-id>
<ospf-ifl-index>
  ospf-ifl-index
</ospf-ifl-index>
<interface-address>
  interface-address
</interface-address>
<installation-time>
  installation-time
</installation-time>
<ospf-unsync-reason>
  ospf-unsync-reason
</ospf-unsync-reason>
</ospf-database-replication>
</ospf-database-replication-information>

```

**Description** OSPF LSA replication information

### <ospf-database-replication>

#### Usage

```

<ospf3-database-replication-information>
<ospf-database-replication>
  <lsa-type>
    lsa-type
  </lsa-type>
  <lsa-id>
    lsa-id
  </lsa-id>
  <advertising-router>
    advertising-router
  </advertising-router>
  <sequence-number>
    sequence-number
  </sequence-number>
  <age>
    age
  </age>
  <ospf-do-not-age>
    ospf-do-not-age
  </ospf-do-not-age>
  <ospf-synchronization-state>
    ospf-synchronization-state
  </ospf-synchronization-state>
  <ospf-route-table-index>
    ospf-route-table-index
  </ospf-route-table-index>
  <ospf-area>
    ospf-area
  </ospf-area>
  <ospf-router-id>
    ospf-router-id
  </ospf-router-id>
  <ospf-ifl-index>

```

```
    ospf-ifl-index
  </ospf-ifl-index>
  <interface-address>
    interface-address
  </interface-address>
  <installation-time>
    installation-time
  </installation-time>
  <ospf-unsync-reason>
    ospf-unsync-reason
  </ospf-unsync-reason>
</ospf-database-replication>
</ospf3-database-replication-information>
```

**Description** OSPF LSA replication information

### <ospf-database-replication-information>

**Usage**

```
<ospf-database-replication-information>
  <ospf-database-replication>....</ospf-database-replication>
</ospf-database-replication-information>
```

**Description** OSPFv2 LSA replication information

### <ospf-database-summary>

**Usage**

```
<ospf-database-summary>
  <ospf-area>
    ospf-area
  </ospf-area>
  <ospf-intf>
    ospf-intf
  </ospf-intf>
  <ospf-lsa-count>
    ospf-lsa-count
  </ospf-lsa-count>
  <ospf-lsa-type>
    ospf-lsa-type
  </ospf-lsa-type>
</ospf-database-summary>
```

**Description**

### <ospf-database-summary>

**Usage**

```
<ospf-database-information>
  <ospf-database-summary>
    <ospf-area>
```



```

    ospf-area
  </ospf-area>
  <ospf-intf>
    ospf-intf
  </ospf-intf>
  <ospf-lsa-count>
    ospf-lsa-count
  </ospf-lsa-count>
  <ospf-lsa-type>
    ospf-lsa-type
  </ospf-lsa-type>
</ospf-database-summary>
</ospf-database-information>

```

## Description

### <ospf-db-protection-overview>

#### Usage

```

<ospf-db-protection-overview>
  <ospf-db-protection-state>
    ospf-db-protection-state
  </ospf-db-protection-state>
  <ospf-db-protection-remaining-time>
    ospf-db-protection-remaining-time
  </ospf-db-protection-remaining-time>
  <ospf-db-protection-warning-only>
    ospf-db-protection-warning-only
  </ospf-db-protection-warning-only>
  <ospf-db-protection-warning-threshold>
    ospf-db-protection-warning-threshold
  </ospf-db-protection-warning-threshold>
  <ospf-db-protection-lsa-current>
    ospf-db-protection-lsa-current
  </ospf-db-protection-lsa-current>
  <ospf-db-protection-lsa-warning>
    ospf-db-protection-lsa-warning
  </ospf-db-protection-lsa-warning>
  <ospf-db-protection-lsa-maximum>
    ospf-db-protection-lsa-maximum
  </ospf-db-protection-lsa-maximum>
  <ospf-db-protection-ignore-time>
    ospf-db-protection-ignore-time
  </ospf-db-protection-ignore-time>
  <ospf-db-protection-reset-time>
    ospf-db-protection-reset-time
  </ospf-db-protection-reset-time>
  <ospf-db-protection-ignore-current>
    ospf-db-protection-ignore-current
  </ospf-db-protection-ignore-current>
  <ospf-db-protection-ignore-maximum>
    ospf-db-protection-ignore-maximum
  </ospf-db-protection-ignore-maximum>
</ospf-db-protection-overview>

```

**Description** OSPF database protection overview information

### <ospf-db-protection-overview>

#### Usage

```
<ospf-overview>
  <ospf-db-protection-overview>
    <ospf-db-protection-state>
      ospf-db-protection-state
    </ospf-db-protection-state>
    <ospf-db-protection-remaining-time>
      ospf-db-protection-remaining-time
    </ospf-db-protection-remaining-time>
    <ospf-db-protection-warning-only>
      ospf-db-protection-warning-only
    </ospf-db-protection-warning-only>
    <ospf-db-protection-warning-threshold>
      ospf-db-protection-warning-threshold
    </ospf-db-protection-warning-threshold>
    <ospf-db-protection-lsa-current>
      ospf-db-protection-lsa-current
    </ospf-db-protection-lsa-current>
    <ospf-db-protection-lsa-warning>
      ospf-db-protection-lsa-warning
    </ospf-db-protection-lsa-warning>
    <ospf-db-protection-lsa-maximum>
      ospf-db-protection-lsa-maximum
    </ospf-db-protection-lsa-maximum>
    <ospf-db-protection-ignore-time>
      ospf-db-protection-ignore-time
    </ospf-db-protection-ignore-time>
    <ospf-db-protection-reset-time>
      ospf-db-protection-reset-time
    </ospf-db-protection-reset-time>
    <ospf-db-protection-ignore-current>
      ospf-db-protection-ignore-current
    </ospf-db-protection-ignore-current>
    <ospf-db-protection-ignore-maximum>
      ospf-db-protection-ignore-maximum
    </ospf-db-protection-ignore-maximum>
  </ospf-db-protection-overview>
</ospf-overview>
```

**Description** OSPF database protection overview information

### <ospf-db-protection-overview>

#### Usage

```
<ospf-overview-information>
  <ospf-overview>
    <ospf-db-protection-overview>
      <ospf-db-protection-state>
        ospf-db-protection-state
```

```

</ospf-db-protection-state>
<ospf-db-protection-remaining-time>
  ospf-db-protection-remaining-time
</ospf-db-protection-remaining-time>
<ospf-db-protection-warning-only>
  ospf-db-protection-warning-only
</ospf-db-protection-warning-only>
<ospf-db-protection-warning-threshold>
  ospf-db-protection-warning-threshold
</ospf-db-protection-warning-threshold>
<ospf-db-protection-lsa-current>
  ospf-db-protection-lsa-current
</ospf-db-protection-lsa-current>
<ospf-db-protection-lsa-warning>
  ospf-db-protection-lsa-warning
</ospf-db-protection-lsa-warning>
<ospf-db-protection-lsa-maximum>
  ospf-db-protection-lsa-maximum
</ospf-db-protection-lsa-maximum>
<ospf-db-protection-ignore-time>
  ospf-db-protection-ignore-time
</ospf-db-protection-ignore-time>
<ospf-db-protection-reset-time>
  ospf-db-protection-reset-time
</ospf-db-protection-reset-time>
<ospf-db-protection-ignore-current>
  ospf-db-protection-ignore-current
</ospf-db-protection-ignore-current>
<ospf-db-protection-ignore-maximum>
  ospf-db-protection-ignore-maximum
</ospf-db-protection-ignore-maximum>
</ospf-db-protection-overview>
</ospf-overview>
</ospf-overview-information>

```

**Description** OSPF database protection overview information

### <ospf-db-protection-overview>

#### Usage

```

<ospf3-overview-information>
<ospf-overview>
  <ospf-db-protection-overview>
    <ospf-db-protection-state>
      ospf-db-protection-state
    </ospf-db-protection-state>
    <ospf-db-protection-remaining-time>
      ospf-db-protection-remaining-time
    </ospf-db-protection-remaining-time>
    <ospf-db-protection-warning-only>
      ospf-db-protection-warning-only
    </ospf-db-protection-warning-only>
    <ospf-db-protection-warning-threshold>
      ospf-db-protection-warning-threshold

```

```
</ospf-db-protection-warning-threshold>
<ospf-db-protection-lsa-current>
  ospf-db-protection-lsa-current
</ospf-db-protection-lsa-current>
<ospf-db-protection-lsa-warning>
  ospf-db-protection-lsa-warning
</ospf-db-protection-lsa-warning>
<ospf-db-protection-lsa-maximum>
  ospf-db-protection-lsa-maximum
</ospf-db-protection-lsa-maximum>
<ospf-db-protection-ignore-time>
  ospf-db-protection-ignore-time
</ospf-db-protection-ignore-time>
<ospf-db-protection-reset-time>
  ospf-db-protection-reset-time
</ospf-db-protection-reset-time>
<ospf-db-protection-ignore-current>
  ospf-db-protection-ignore-current
</ospf-db-protection-ignore-current>
<ospf-db-protection-ignore-maximum>
  ospf-db-protection-ignore-maximum
</ospf-db-protection-ignore-maximum>
</ospf-db-protection-overview>
</ospf-overview>
</ospf3-overview-information>
```

**Description** OSPF database protection overview information

## <ospf-errors>

### Usage

```
<ospf-errors>
  <runt-header-error>
    runt-header-error
  </runt-header-error>
  <short-packets-error>
    short-packets-error
  </short-packets-error>
  <bad-version-error>
    bad-version-error
  </bad-version-error>
  <truncated-packets-error>
    truncated-packets-error
  </truncated-packets-error>
  <checksum-error>
    checksum-error
  </checksum-error>
  <subnet-mismatch-error>
    subnet-mismatch-error
  </subnet-mismatch-error>
  <virtual-link-error>
    virtual-link-error
  </virtual-link-error>
  <area-mismatch-error>
```

```

    area-mismatch-error
  </area-mismatch-error>
  <authentication-mismatch-error>
    authentication-mismatch-error
  </authentication-mismatch-error>
  <authentication-failure-error>
    authentication-failure-error
  </authentication-failure-error>
  <bad-packettype-error>
    bad-packettype-error
  </bad-packettype-error>
  <netmask-mismatch-error>
    netmask-mismatch-error
  </netmask-mismatch-error>
  <hello-interval-mismatch-error>
    hello-interval-mismatch-error
  </hello-interval-mismatch-error>
  <dead-interval-mismatch-error>
    dead-interval-mismatch-error
  </dead-interval-mismatch-error>
  <stub-area-mismatch-error>
    stub-area-mismatch-error
  </stub-area-mismatch-error>
  <nssa-mismatch-error>
    nssa-mismatch-error
  </nssa-mismatch-error>
  <default-exclusion-mismatch-error>
    default-exclusion-mismatch-error
  </default-exclusion-mismatch-error>
  <mtu-mismatch-error>
    mtu-mismatch-error
  </mtu-mismatch-error>
  <hello-received-error>
    hello-received-error
  </hello-received-error>
  <no-interface-error>
    no-interface-error
  </no-interface-error>
  <no-router-id-error>
    no-router-id-error
  </no-router-id-error>
  <instance-id-mismatch-error>
    instance-id-mismatch-error
  </instance-id-mismatch-error>
  <lanp2p-cfgmismatch-error>
    lanp2p-cfgmismatch-error
  </lanp2p-cfgmismatch-error>
  <no-error>
    no-error
  </no-error>
</ospf-errors>

```

## Description

## &lt;ospf-errors&gt;

## Usage

```
<ospf-io-statistics>
  <ospf-errors>
    <run-header-error>
      run-header-error
    </run-header-error>
    <short-packets-error>
      short-packets-error
    </short-packets-error>
    <bad-version-error>
      bad-version-error
    </bad-version-error>
    <truncated-packets-error>
      truncated-packets-error
    </truncated-packets-error>
    <checksum-error>
      checksum-error
    </checksum-error>
    <subnet-mismatch-error>
      subnet-mismatch-error
    </subnet-mismatch-error>
    <virtual-link-error>
      virtual-link-error
    </virtual-link-error>
    <area-mismatch-error>
      area-mismatch-error
    </area-mismatch-error>
    <authentication-mismatch-error>
      authentication-mismatch-error
    </authentication-mismatch-error>
    <authentication-failure-error>
      authentication-failure-error
    </authentication-failure-error>
    <bad-packettype-error>
      bad-packettype-error
    </bad-packettype-error>
    <netmask-mismatch-error>
      netmask-mismatch-error
    </netmask-mismatch-error>
    <hello-interval-mismatch-error>
      hello-interval-mismatch-error
    </hello-interval-mismatch-error>
    <dead-interval-mismatch-error>
      dead-interval-mismatch-error
    </dead-interval-mismatch-error>
    <stub-area-mismatch-error>
      stub-area-mismatch-error
    </stub-area-mismatch-error>
    <nssa-mismatch-error>
      nssa-mismatch-error
    </nssa-mismatch-error>
    <default-exclusion-mismatch-error>
      default-exclusion-mismatch-error
```

```

</default-exclusion-mismatch-error>
<mtu-mismatch-error>
  mtu-mismatch-error
</mtu-mismatch-error>
<hello-received-error>
  hello-received-error
</hello-received-error>
<no-interface-error>
  no-interface-error
</no-interface-error>
<no-router-id-error>
  no-router-id-error
</no-router-id-error>
<instance-id-mismatch-error>
  instance-id-mismatch-error
</instance-id-mismatch-error>
<lanp2p-cfgmismatch-error>
  lanp2p-cfgmismatch-error
</lanp2p-cfgmismatch-error>
<no-error>
  no-error
</no-error>
</ospf-errors>
</ospf-io-statistics>

```

## Description

### <ospf-errors>

#### Usage

```

<ospf-io-statistics-information>
<ospf-io-statistics>
  <ospf-errors>
    <runt-header-error>
      runt-header-error
    </runt-header-error>
    <short-packets-error>
      short-packets-error
    </short-packets-error>
    <bad-version-error>
      bad-version-error
    </bad-version-error>
    <truncated-packets-error>
      truncated-packets-error
    </truncated-packets-error>
    <checksum-error>
      checksum-error
    </checksum-error>
    <subnet-mismatch-error>
      subnet-mismatch-error
    </subnet-mismatch-error>
    <virtual-link-error>
      virtual-link-error
    </virtual-link-error>
    <area-mismatch-error>

```

```
    area-mismatch-error
  </area-mismatch-error>
  <authentication-mismatch-error>
    authentication-mismatch-error
  </authentication-mismatch-error>
  <authentication-failure-error>
    authentication-failure-error
  </authentication-failure-error>
  <bad-packettype-error>
    bad-packettype-error
  </bad-packettype-error>
  <netmask-mismatch-error>
    netmask-mismatch-error
  </netmask-mismatch-error>
  <hello-interval-mismatch-error>
    hello-interval-mismatch-error
  </hello-interval-mismatch-error>
  <dead-interval-mismatch-error>
    dead-interval-mismatch-error
  </dead-interval-mismatch-error>
  <stub-area-mismatch-error>
    stub-area-mismatch-error
  </stub-area-mismatch-error>
  <nssa-mismatch-error>
    nssa-mismatch-error
  </nssa-mismatch-error>
  <default-exclusion-mismatch-error>
    default-exclusion-mismatch-error
  </default-exclusion-mismatch-error>
  <mtu-mismatch-error>
    mtu-mismatch-error
  </mtu-mismatch-error>
  <hello-received-error>
    hello-received-error
  </hello-received-error>
  <no-interface-error>
    no-interface-error
  </no-interface-error>
  <no-router-id-error>
    no-router-id-error
  </no-router-id-error>
  <instance-id-mismatch-error>
    instance-id-mismatch-error
  </instance-id-mismatch-error>
  <lanp2p-cfgmismatch-error>
    lanp2p-cfgmismatch-error
  </lanp2p-cfgmismatch-error>
  <no-error>
    no-error
  </no-error>
</ospf-errors>
</ospf-io-statistics>
</ospf-io-statistics-information>
```



## Description

## &lt;ospf-errors&gt;

## Usage

```

<ospf-statistics>
  <ospf-errors>
    <run-header-error>
      run-header-error
    </run-header-error>
    <short-packets-error>
      short-packets-error
    </short-packets-error>
    <bad-version-error>
      bad-version-error
    </bad-version-error>
    <truncated-packets-error>
      truncated-packets-error
    </truncated-packets-error>
    <checksum-error>
      checksum-error
    </checksum-error>
    <subnet-mismatch-error>
      subnet-mismatch-error
    </subnet-mismatch-error>
    <virtual-link-error>
      virtual-link-error
    </virtual-link-error>
    <area-mismatch-error>
      area-mismatch-error
    </area-mismatch-error>
    <authentication-mismatch-error>
      authentication-mismatch-error
    </authentication-mismatch-error>
    <authentication-failure-error>
      authentication-failure-error
    </authentication-failure-error>
    <bad-packettype-error>
      bad-packettype-error
    </bad-packettype-error>
    <netmask-mismatch-error>
      netmask-mismatch-error
    </netmask-mismatch-error>
    <hello-interval-mismatch-error>
      hello-interval-mismatch-error
    </hello-interval-mismatch-error>
    <dead-interval-mismatch-error>
      dead-interval-mismatch-error
    </dead-interval-mismatch-error>
    <stub-area-mismatch-error>
      stub-area-mismatch-error
    </stub-area-mismatch-error>
    <nssa-mismatch-error>
      nssa-mismatch-error
    </nssa-mismatch-error>
    <default-exclusion-mismatch-error>

```

```
    default-exclusion-mismatch-error
  </default-exclusion-mismatch-error>
  <mtu-mismatch-error>
    mtu-mismatch-error
  </mtu-mismatch-error>
  <hello-received-error>
    hello-received-error
  </hello-received-error>
  <no-interface-error>
    no-interface-error
  </no-interface-error>
  <no-router-id-error>
    no-router-id-error
  </no-router-id-error>
  <instance-id-mismatch-error>
    instance-id-mismatch-error
  </instance-id-mismatch-error>
  <lanp2p-cfgmismatch-error>
    lanp2p-cfgmismatch-error
  </lanp2p-cfgmismatch-error>
  <no-error>
    no-error
  </no-error>
</ospf-errors>
</ospf-statistics>
```

#### Description

### <ospf-errors>

#### Usage

```
<ospf-statistics-information>
  <ospf-statistics>
    <ospf-errors>
      <runt-header-error>
        runt-header-error
      </runt-header-error>
      <short-packets-error>
        short-packets-error
      </short-packets-error>
      <bad-version-error>
        bad-version-error
      </bad-version-error>
      <truncated-packets-error>
        truncated-packets-error
      </truncated-packets-error>
      <checksum-error>
        checksum-error
      </checksum-error>
      <subnet-mismatch-error>
        subnet-mismatch-error
      </subnet-mismatch-error>
      <virtual-link-error>
        virtual-link-error
      </virtual-link-error>
```

```
<area-mismatch-error>
  area-mismatch-error
</area-mismatch-error>
<authentication-mismatch-error>
  authentication-mismatch-error
</authentication-mismatch-error>
<authentication-failure-error>
  authentication-failure-error
</authentication-failure-error>
<bad-packettype-error>
  bad-packettype-error
</bad-packettype-error>
<netmask-mismatch-error>
  netmask-mismatch-error
</netmask-mismatch-error>
<hello-interval-mismatch-error>
  hello-interval-mismatch-error
</hello-interval-mismatch-error>
<dead-interval-mismatch-error>
  dead-interval-mismatch-error
</dead-interval-mismatch-error>
<stub-area-mismatch-error>
  stub-area-mismatch-error
</stub-area-mismatch-error>
<nssa-mismatch-error>
  nssa-mismatch-error
</nssa-mismatch-error>
<default-exclusion-mismatch-error>
  default-exclusion-mismatch-error
</default-exclusion-mismatch-error>
<mtu-mismatch-error>
  mtu-mismatch-error
</mtu-mismatch-error>
<hello-received-error>
  hello-received-error
</hello-received-error>
<no-interface-error>
  no-interface-error
</no-interface-error>
<no-router-id-error>
  no-router-id-error
</no-router-id-error>
<instance-id-mismatch-error>
  instance-id-mismatch-error
</instance-id-mismatch-error>
<lanp2p-cfgmismatch-error>
  lanp2p-cfgmismatch-error
</lanp2p-cfgmismatch-error>
<no-error>
  no-error
</no-error>
</ospf-errors>
</ospf-statistics>
</ospf-statistics-information>
```

## Description

## &lt;ospf-errors&gt;

## Usage

```
<ospf3-io-statistics-information>
  <ospf-io-statistics>
    <ospf-errors>
      <run-header-error>
        run-header-error
      </run-header-error>
      <short-packets-error>
        short-packets-error
      </short-packets-error>
      <bad-version-error>
        bad-version-error
      </bad-version-error>
      <truncated-packets-error>
        truncated-packets-error
      </truncated-packets-error>
      <checksum-error>
        checksum-error
      </checksum-error>
      <subnet-mismatch-error>
        subnet-mismatch-error
      </subnet-mismatch-error>
      <virtual-link-error>
        virtual-link-error
      </virtual-link-error>
      <area-mismatch-error>
        area-mismatch-error
      </area-mismatch-error>
      <authentication-mismatch-error>
        authentication-mismatch-error
      </authentication-mismatch-error>
      <authentication-failure-error>
        authentication-failure-error
      </authentication-failure-error>
      <bad-packettype-error>
        bad-packettype-error
      </bad-packettype-error>
      <netmask-mismatch-error>
        netmask-mismatch-error
      </netmask-mismatch-error>
      <hello-interval-mismatch-error>
        hello-interval-mismatch-error
      </hello-interval-mismatch-error>
      <dead-interval-mismatch-error>
        dead-interval-mismatch-error
      </dead-interval-mismatch-error>
      <stub-area-mismatch-error>
        stub-area-mismatch-error
      </stub-area-mismatch-error>
      <nssa-mismatch-error>
        nssa-mismatch-error
      </nssa-mismatch-error>
```

```

<default-exclusion-mismatch-error>
  default-exclusion-mismatch-error
</default-exclusion-mismatch-error>
<mtu-mismatch-error>
  mtu-mismatch-error
</mtu-mismatch-error>
<hello-received-error>
  hello-received-error
</hello-received-error>
<no-interface-error>
  no-interface-error
</no-interface-error>
<no-router-id-error>
  no-router-id-error
</no-router-id-error>
<instance-id-mismatch-error>
  instance-id-mismatch-error
</instance-id-mismatch-error>
<lanp2p-cfgmismatch-error>
  lanp2p-cfgmismatch-error
</lanp2p-cfgmismatch-error>
<no-error>
  no-error
</no-error>
</ospf-errors>
</ospf-io-statistics>
</ospf3-io-statistics-information>

```

## Description

### <ospf-errors>

#### Usage

```

<ospf3-statistics-information>
  <ospf-statistics>
    <ospf-errors>
      <runt-header-error>
        runt-header-error
      </runt-header-error>
      <short-packets-error>
        short-packets-error
      </short-packets-error>
      <bad-version-error>
        bad-version-error
      </bad-version-error>
      <truncated-packets-error>
        truncated-packets-error
      </truncated-packets-error>
      <checksum-error>
        checksum-error
      </checksum-error>
      <subnet-mismatch-error>
        subnet-mismatch-error
      </subnet-mismatch-error>
      <virtual-link-error>

```

```
    virtual-link-error
  </virtual-link-error>
  <area-mismatch-error>
    area-mismatch-error
  </area-mismatch-error>
  <authentication-mismatch-error>
    authentication-mismatch-error
  </authentication-mismatch-error>
  <authentication-failure-error>
    authentication-failure-error
  </authentication-failure-error>
  <bad-packettype-error>
    bad-packettype-error
  </bad-packettype-error>
  <netmask-mismatch-error>
    netmask-mismatch-error
  </netmask-mismatch-error>
  <hello-interval-mismatch-error>
    hello-interval-mismatch-error
  </hello-interval-mismatch-error>
  <dead-interval-mismatch-error>
    dead-interval-mismatch-error
  </dead-interval-mismatch-error>
  <stub-area-mismatch-error>
    stub-area-mismatch-error
  </stub-area-mismatch-error>
  <nssa-mismatch-error>
    nssa-mismatch-error
  </nssa-mismatch-error>
  <default-exclusion-mismatch-error>
    default-exclusion-mismatch-error
  </default-exclusion-mismatch-error>
  <mtu-mismatch-error>
    mtu-mismatch-error
  </mtu-mismatch-error>
  <hello-received-error>
    hello-received-error
  </hello-received-error>
  <no-interface-error>
    no-interface-error
  </no-interface-error>
  <no-router-id-error>
    no-router-id-error
  </no-router-id-error>
  <instance-id-mismatch-error>
    instance-id-mismatch-error
  </instance-id-mismatch-error>
  <lanp2p-cfgmismatch-error>
    lanp2p-cfgmismatch-error
  </lanp2p-cfgmismatch-error>
  <no-error>
    no-error
  </no-error>
</ospf-errors>
</ospf-statistics>
```

</ospf3-statistics-information>

#### Description

<ospf-external-lsa>

#### Usage

```
<ospf-external-lsa>
  <address-mask>
    address-mask
  </address-mask>
  <ospf-external-lsa-topology>....</ospf-external-lsa-topology>
</ospf-external-lsa>
```

#### Description

<ospf-external-lsa>

#### Usage

```
<ospf-database>
  <ospf-external-lsa>
    <address-mask>
      address-mask
    </address-mask>
    <ospf-external-lsa-topology>....</ospf-external-lsa-topology>
  </ospf-external-lsa>
</ospf-database>
```

#### Description

<ospf-external-lsa>

#### Usage

```
<ospf-database-information>
  <ospf-database>
    <ospf-external-lsa>
      <address-mask>
        address-mask
      </address-mask>
      <ospf-external-lsa-topology>....</ospf-external-lsa-topology>
    </ospf-external-lsa>
  </ospf-database>
</ospf-database-information>
```

#### Description

<ospf-external-lsa-topology>

#### Usage

```
<ospf-external-lsa-topology>
  <ospf-topology-name>
    ospf-topology-name
```

```
</ospf-topology-name>
<ospf-topology-id>
  ospf-topology-id
</ospf-topology-id>
<type-value>
  type-value
</type-value>
<ospf-topology-metric>
  ospf-topology-metric
</ospf-topology-metric>
<forward-address>
  forward-address
</forward-address>
<tag>
  tag
</tag>
</ospf-external-lsa-topology>
```

**Description** OSPF topology specific information for an external LSA

### <ospf-external-lsa-topology>

#### Usage

```
<ospf-external-lsa>
  <ospf-external-lsa-topology>
    <ospf-topology-name>
      ospf-topology-name
    </ospf-topology-name>
    <ospf-topology-id>
      ospf-topology-id
    </ospf-topology-id>
    <type-value>
      type-value
    </type-value>
    <ospf-topology-metric>
      ospf-topology-metric
    </ospf-topology-metric>
    <forward-address>
      forward-address
    </forward-address>
    <tag>
      tag
    </tag>
  </ospf-external-lsa-topology>
</ospf-external-lsa>
```

**Description** OSPF topology specific information for an external LSA

### <ospf-external-lsa-topology>

#### Usage

```
<ospf-database>
```



```

<ospf-external-lsa>
  <ospf-external-lsa-topology>
    <ospf-topology-name>
      ospf-topology-name
    </ospf-topology-name>
    <ospf-topology-id>
      ospf-topology-id
    </ospf-topology-id>
    <type-value>
      type-value
    </type-value>
    <ospf-topology-metric>
      ospf-topology-metric
    </ospf-topology-metric>
    <forward-address>
      forward-address
    </forward-address>
    <tag>
      tag
    </tag>
  </ospf-external-lsa-topology>
</ospf-external-lsa>
</ospf-database>

```

**Description** OSPF topology specific information for an external LSA

### <ospf-external-lsa-topology>

#### Usage

```

<ospf-database-information>
  <ospf-database>
    <ospf-external-lsa>
      <ospf-external-lsa-topology>
        <ospf-topology-name>
          ospf-topology-name
        </ospf-topology-name>
        <ospf-topology-id>
          ospf-topology-id
        </ospf-topology-id>
        <type-value>
          type-value
        </type-value>
        <ospf-topology-metric>
          ospf-topology-metric
        </ospf-topology-metric>
        <forward-address>
          forward-address
        </forward-address>
        <tag>
          tag
        </tag>
      </ospf-external-lsa-topology>
    </ospf-external-lsa>
  </ospf-database>

```

```
</ospf-database-information>
```

**Description** OSPF topology specific information for an external LSA

### <ospf-instance-neighbor>

#### Usage

```
<ospf-neighbor-information-all>
  <ospf-instance-neighbor>
    <ospf-instance-name>
      ospf-instance-name
    </ospf-instance-name>
    <ospf-neighbor>....</ospf-neighbor>
  </ospf-instance-neighbor>
</ospf-neighbor-information-all>
```

**Description** Information about OSPF neighbors within this routing instance

### <ospf-interface>

#### Usage

```
<ospf-interface>
  <interface-name>
    interface-name
  </interface-name>
  <ospf-interface-state>
    ospf-interface-state
  </ospf-interface-state>
  <ospf-area>
    ospf-area
  </ospf-area>
  <dr-id>
    dr-id
  </dr-id>
  <bdr-id>
    bdr-id
  </bdr-id>
  <neighbor-count>
    neighbor-count
  </neighbor-count>
  <interface-type>
    interface-type
  </interface-type>
  <interface-address>
    interface-address
  </interface-address>
  <address-mask>
    address-mask
  </address-mask>
  <mtu>
    mtu
  </mtu>
```

```
<interface-cost>
  interface-cost
</interface-cost>
<virtual-link-transit-area>
  virtual-link-transit-area
</virtual-link-transit-area>
<virtual-link-destination>
  virtual-link-destination
</virtual-link-destination>
<sham-link-local>
  sham-link-local
</sham-link-local>
<sham-link-remote>
  sham-link-remote
</sham-link-remote>
<dr-address>
  dr-address
</dr-address>
<bdr-address>
  bdr-address
</bdr-address>
<router-priority>
  router-priority
</router-priority>
<adj-count>
  adj-count
</adj-count>
<interface-secondary>
  interface-secondary
</interface-secondary>
<interface-flood-reduction>
  interface-flood-reduction
</interface-flood-reduction>
<passive>
  passive
</passive>
<hello-interval>
  hello-interval
</hello-interval>
<poll-interval>
  poll-interval
</poll-interval>
<dead-interval>
  dead-interval
</dead-interval>
<retransmit-interval>
  retransmit-interval
</retransmit-interval>
<ospf-stub-type>
  ospf-stub-type
</ospf-stub-type>
<ipsec-sa>
  ipsec-sa
</ipsec-sa>
<authentication-type>
  authentication-type
```

```
</authentication-type>
<ospf-interface-topology>....</ospf-interface-topology>
<active-key-id>
  active-key-id
</active-key-id>
<active-key-start-time>
  active-key-start-time
</active-key-start-time>
<ospf-interface-protection-type>
  ospf-interface-protection-type
</ospf-interface-protection-type>
<ospf-interface-no-eligible-backup>
  ospf-interface-no-eligible-backup
</ospf-interface-no-eligible-backup>
<igp-ldp-sync-holdtime>
  igp-ldp-sync-holdtime
</igp-ldp-sync-holdtime>
<igp-ldp-sync-state>
  igp-ldp-sync-state
</igp-ldp-sync-state>
<igp-ldp-sync-last-change>
  igp-ldp-sync-last-change
</igp-ldp-sync-last-change>
<igp-ldp-sync-reason>
  igp-ldp-sync-reason
</igp-ldp-sync-reason>
<igp-ldp-sync-timeleft>
  igp-ldp-sync-timeleft
</igp-ldp-sync-timeleft>
<interface-flood-list-count>
  interface-flood-list-count
</interface-flood-list-count>
<flood-list-count>
  flood-list-count
</flood-list-count>
<lsa-list>
  lsa-list
</lsa-list>
<interface-description-list>
  interface-description-list
</interface-description-list>
</ospf-interface>
```

#### Description

#### <ospf-interface>

#### Usage

```
<ospf-interface-information>
<ospf-interface>
  <interface-name>
    interface-name
  </interface-name>
  <ospf-interface-state>
    ospf-interface-state
```

```
</ospf-interface-state>
<ospf-area>
  ospf-area
</ospf-area>
<dr-id>
  dr-id
</dr-id>
<bdr-id>
  bdr-id
</bdr-id>
<neighbor-count>
  neighbor-count
</neighbor-count>
<interface-type>
  interface-type
</interface-type>
<interface-address>
  interface-address
</interface-address>
<address-mask>
  address-mask
</address-mask>
<mtu>
  mtu
</mtu>
<interface-cost>
  interface-cost
</interface-cost>
<virtual-link-transit-area>
  virtual-link-transit-area
</virtual-link-transit-area>
<virtual-link-destination>
  virtual-link-destination
</virtual-link-destination>
<sham-link-local>
  sham-link-local
</sham-link-local>
<sham-link-remote>
  sham-link-remote
</sham-link-remote>
<dr-address>
  dr-address
</dr-address>
<bdr-address>
  bdr-address
</bdr-address>
<router-priority>
  router-priority
</router-priority>
<adj-count>
  adj-count
</adj-count>
<interface-secondary>
  interface-secondary
</interface-secondary>
<interface-flood-reduction>
```

```
    interface-flood-reduction
  </interface-flood-reduction>
  <passive>
    passive
  </passive>
  <hello-interval>
    hello-interval
  </hello-interval>
  <poll-interval>
    poll-interval
  </poll-interval>
  <dead-interval>
    dead-interval
  </dead-interval>
  <retransmit-interval>
    retransmit-interval
  </retransmit-interval>
  <ospf-stub-type>
    ospf-stub-type
  </ospf-stub-type>
  <ipsec-sa>
    ipsec-sa
  </ipsec-sa>
  <authentication-type>
    authentication-type
  </authentication-type>
  <ospf-interface-topology>.....</ospf-interface-topology>
  <active-key-id>
    active-key-id
  </active-key-id>
  <active-key-start-time>
    active-key-start-time
  </active-key-start-time>
  <ospf-interface-protection-type>
    ospf-interface-protection-type
  </ospf-interface-protection-type>
  <ospf-interface-no-eligible-backup>
    ospf-interface-no-eligible-backup
  </ospf-interface-no-eligible-backup>
  <igp-ldp-sync-holdtime>
    igp-ldp-sync-holdtime
  </igp-ldp-sync-holdtime>
  <igp-ldp-sync-state>
    igp-ldp-sync-state
  </igp-ldp-sync-state>
  <igp-ldp-sync-last-change>
    igp-ldp-sync-last-change
  </igp-ldp-sync-last-change>
  <igp-ldp-sync-reason>
    igp-ldp-sync-reason
  </igp-ldp-sync-reason>
  <igp-ldp-sync-timeleft>
    igp-ldp-sync-timeleft
  </igp-ldp-sync-timeleft>
  <interface-flood-list-count>
    interface-flood-list-count
```

```

</interface-flood-list-count>
<flood-list-count>
  flood-list-count
</flood-list-count>
<lsa-list>
  lsa-list
</lsa-list>
<interface-description-list>
  interface-description-list
</interface-description-list>
</ospf-interface>
</ospf-interface-information>

```

#### Description

### <ospf-interface-information>

#### Usage

```

<ospf-interface-information>
  <ospf-interface>....</ospf-interface>
</ospf-interface-information>

```

#### Description

### <ospf-interface-replication>

#### Usage

```

<ospf-interface-replication>
  <interface-name>
    interface-name
  </interface-name>
  <interface-address>
    interface-address
  </interface-address>
  <ospf-area>
    ospf-area
  </ospf-area>
  <ospf-synchronization-state>
    ospf-synchronization-state
  </ospf-synchronization-state>
  <ospf-ifl-index>
    ospf-ifl-index
  </ospf-ifl-index>
  <ospf-router-id>
    ospf-router-id
  </ospf-router-id>
  <ospf-route-table-index>
    ospf-route-table-index
  </ospf-route-table-index>
  <ospf-internal-index>
    ospf-internal-index
  </ospf-internal-index>
  <ospf-sync-dr-id>
    ospf-sync-dr-id

```

```
</ospf-sync-dr-id>
<ospf-sync-bdr-id>
  ospf-sync-bdr-id
</ospf-sync-bdr-id>
<dr-address>
  dr-address
</dr-address>
<bdr-address>
  bdr-address
</bdr-address>
<ospf-sync-dr-status>
  ospf-sync-dr-status
</ospf-sync-dr-status>
<ospf-sync-bdr-status>
  ospf-sync-bdr-status
</ospf-sync-bdr-status>
<ospf-unsync-reason>
  ospf-unsync-reason
</ospf-unsync-reason>
</ospf-interface-replication>
```

**Description** OSPF interface replication information

### <ospf-interface-replication>

#### Usage

```
<ospf-interface-replication-information>
<ospf-interface-replication>
  <interface-name>
    interface-name
  </interface-name>
  <interface-address>
    interface-address
  </interface-address>
  <ospf-area>
    ospf-area
  </ospf-area>
  <ospf-synchronization-state>
    ospf-synchronization-state
  </ospf-synchronization-state>
  <ospf-ifl-index>
    ospf-ifl-index
  </ospf-ifl-index>
  <ospf-router-id>
    ospf-router-id
  </ospf-router-id>
  <ospf-route-table-index>
    ospf-route-table-index
  </ospf-route-table-index>
  <ospf-internal-index>
    ospf-internal-index
  </ospf-internal-index>
  <ospf-sync-dr-id>
    ospf-sync-dr-id
```



```

</ospf-sync-dr-id>
<ospf-sync-bdr-id>
  ospf-sync-bdr-id
</ospf-sync-bdr-id>
<dr-address>
  dr-address
</dr-address>
<bdr-address>
  bdr-address
</bdr-address>
<ospf-sync-dr-status>
  ospf-sync-dr-status
</ospf-sync-dr-status>
<ospf-sync-bdr-status>
  ospf-sync-bdr-status
</ospf-sync-bdr-status>
<ospf-unsync-reason>
  ospf-unsync-reason
</ospf-unsync-reason>
</ospf-interface-replication>
</ospf-interface-replication-information>

```

**Description** OSPF interface replication information

### <ospf-interface-replication>

#### Usage

```

<ospf3-interface-replication-information>
<ospf-interface-replication>
  <interface-name>
    interface-name
  </interface-name>
  <interface-address>
    interface-address
  </interface-address>
  <ospf-area>
    ospf-area
  </ospf-area>
  <ospf-synchronization-state>
    ospf-synchronization-state
  </ospf-synchronization-state>
  <ospf-ifl-index>
    ospf-ifl-index
  </ospf-ifl-index>
  <ospf-router-id>
    ospf-router-id
  </ospf-router-id>
  <ospf-route-table-index>
    ospf-route-table-index
  </ospf-route-table-index>
  <ospf-internal-index>
    ospf-internal-index
  </ospf-internal-index>
  <ospf-sync-dr-id>

```

```
    ospf-sync-dr-id
  </ospf-sync-dr-id>
  <ospf-sync-bdr-id>
    ospf-sync-bdr-id
  </ospf-sync-bdr-id>
  <dr-address>
    dr-address
  </dr-address>
  <bdr-address>
    bdr-address
  </bdr-address>
  <ospf-sync-dr-status>
    ospf-sync-dr-status
  </ospf-sync-dr-status>
  <ospf-sync-bdr-status>
    ospf-sync-bdr-status
  </ospf-sync-bdr-status>
  <ospf-unsync-reason>
    ospf-unsync-reason
  </ospf-unsync-reason>
</ospf-interface-replication>
</ospf3-interface-replication-information>
```

**Description** OSPF interface replication information

### <ospf-interface-replication-information>

#### Usage

```
<ospf-interface-replication-information>
  <ospf-interface-replication>....</ospf-interface-replication>
</ospf-interface-replication-information>
```

**Description** OSPFv2 interface replication information

### <ospf-interface-topology>

#### Usage

```
<ospf-interface-topology>
  <ospf-topology-name>
    ospf-topology-name
  </ospf-topology-name>
  <ospf-topology-id>
    ospf-topology-id
  </ospf-topology-id>
  <ospf-topology-passive>
    ospf-topology-passive
  </ospf-topology-passive>
  <ospf-topology-disabled>
    ospf-topology-disabled
  </ospf-topology-disabled>
  <ospf-topology-down>
    ospf-topology-down
```

```

</ospf-topology-down>
<ospf-topology-metric>
  ospf-topology-metric
</ospf-topology-metric>
</ospf-interface-topology>

```

**Description** OSPF topology specific information for an interface

### <ospf-interface-topology>

#### Usage

```

<ospf-interface>
  <ospf-interface-topology>
    <ospf-topology-name>
      ospf-topology-name
    </ospf-topology-name>
    <ospf-topology-id>
      ospf-topology-id
    </ospf-topology-id>
    <ospf-topology-passive>
      ospf-topology-passive
    </ospf-topology-passive>
    <ospf-topology-disabled>
      ospf-topology-disabled
    </ospf-topology-disabled>
    <ospf-topology-down>
      ospf-topology-down
    </ospf-topology-down>
    <ospf-topology-metric>
      ospf-topology-metric
    </ospf-topology-metric>
  </ospf-interface-topology>
</ospf-interface>

```

**Description** OSPF topology specific information for an interface

### <ospf-interface-topology>

#### Usage

```

<ospf-interface-information>
  <ospf-interface>
    <ospf-interface-topology>
      <ospf-topology-name>
        ospf-topology-name
      </ospf-topology-name>
      <ospf-topology-id>
        ospf-topology-id
      </ospf-topology-id>
      <ospf-topology-passive>
        ospf-topology-passive
      </ospf-topology-passive>
      <ospf-topology-disabled>

```

```
    ospf-topology-disabled
  </ospf-topology-disabled>
  <ospf-topology-down>
    ospf-topology-down
  </ospf-topology-down>
  <ospf-topology-metric>
    ospf-topology-metric
  </ospf-topology-metric>
</ospf-interface-topology>
</ospf-interface>
</ospf-interface-information>
```

**Description** OSPF topology specific information for an interface

### <ospf-intf-header>

**Usage**

```
<ospf-intf-header>
  <ospf-intf>
    ospf-intf
  </ospf-intf>
  <ospf-area>
    ospf-area
  </ospf-area>
</ospf-intf-header>
```

**Description**

### <ospf-intf-header>

**Usage**

```
<ospf-database-information>
  <ospf-intf-header>
    <ospf-intf>
      ospf-intf
    </ospf-intf>
    <ospf-area>
      ospf-area
    </ospf-area>
  </ospf-intf-header>
</ospf-database-information>
```

**Description**

### <ospf-io-statistics>

**Usage**

```
<ospf-io-statistics>
  <packets-read>
    packets-read
  </packets-read>
  <average-per-run>
```

```

    average-per-run
  </average-per-run>
  <max-run>
    max-run
  </max-run>
  <ospf-errors>....</ospf-errors>
</ospf-io-statistics>

```

#### Description

<ospf-io-statistics>

#### Usage

```

<ospf-io-statistics-information>
  <ospf-io-statistics>
    <packets-read>
      packets-read
    </packets-read>
    <average-per-run>
      average-per-run
    </average-per-run>
    <max-run>
      max-run
    </max-run>
    <ospf-errors>....</ospf-errors>
  </ospf-io-statistics>
</ospf-io-statistics-information>

```

#### Description

<ospf-io-statistics>

#### Usage

```

<ospf3-io-statistics-information>
  <ospf-io-statistics>
    <packets-read>
      packets-read
    </packets-read>
    <average-per-run>
      average-per-run
    </average-per-run>
    <max-run>
      max-run
    </max-run>
    <ospf-errors>....</ospf-errors>
  </ospf-io-statistics>
</ospf3-io-statistics-information>

```

#### Description

## <ospf-io-statistics-information>

### Usage

```
<ospf-io-statistics-information>
  <ospf-io-statistics>....</ospf-io-statistics>
</ospf-io-statistics-information>
```

### Description

## <ospf-link>

### Usage

```
<ospf-router-lsa>
  <ospf-link>
    <link-id>
      link-id
    </link-id>
    <link-data>
      link-data
    </link-data>
    <link-type-name>
      link-type-name
    </link-type-name>
    <link-type-value>
      link-type-value
    </link-type-value>
    <ospf-topology-count>
      ospf-topology-count
    </ospf-topology-count>
    <metric>
      metric
    </metric>
    <ospf-router-link-topology>....</ospf-router-link-topology>
  </ospf-link>
</ospf-router-lsa>
```

### Description

## <ospf-link>

### Usage

```
<ospf-database>
  <ospf-router-lsa>
    <ospf-link>
      <link-id>
        link-id
      </link-id>
      <link-data>
        link-data
      </link-data>
      <link-type-name>
        link-type-name
      </link-type-name>
```

```

<link-type-value>
  link-type-value
</link-type-value>
<ospf-topology-count>
  ospf-topology-count
</ospf-topology-count>
<metric>
  metric
</metric>
<ospf-router-link-topology>.....</ospf-router-link-topology>
</ospf-link>
</ospf-router-lsa>
</ospf-database>

```

#### Description

#### <ospf-link>

#### Usage

```

<ospf-database-information>
<ospf-database>
  <ospf-router-lsa>
    <ospf-link>
      <link-id>
        link-id
      </link-id>
      <link-data>
        link-data
      </link-data>
      <link-type-name>
        link-type-name
      </link-type-name>
      <link-type-value>
        link-type-value
      </link-type-value>
      <ospf-topology-count>
        ospf-topology-count
      </ospf-topology-count>
      <metric>
        metric
      </metric>
      <ospf-router-link-topology>.....</ospf-router-link-topology>
    </ospf-link>
  </ospf-router-lsa>
</ospf-database>
</ospf-database-information>

```

#### Description

#### <ospf-link-local-grace-lsa>

#### Usage

```

<ospf-opaque-link-local-lsa>
  <ospf-link-local-grace-lsa>

```

```
<tlv-grace-type-name>
  tlv-grace-type-name
</tlv-grace-type-name>
<tlv-grace-value>
  tlv-grace-value
</tlv-grace-value>
</ospf-link-local-grace-lsa>
</ospf-opaque-link-local-lsa>
```

#### Description

### <ospf-link-local-grace-lsa>

#### Usage

```
<ospf-database>
  <ospf-opaque-link-local-lsa>
    <ospf-link-local-grace-lsa>
      <tlv-grace-type-name>
        tlv-grace-type-name
      </tlv-grace-type-name>
      <tlv-grace-value>
        tlv-grace-value
      </tlv-grace-value>
    </ospf-link-local-grace-lsa>
  </ospf-opaque-link-local-lsa>
</ospf-database>
```

#### Description

### <ospf-link-local-grace-lsa>

#### Usage

```
<ospf-database-information>
  <ospf-database>
    <ospf-opaque-link-local-lsa>
      <ospf-link-local-grace-lsa>
        <tlv-grace-type-name>
          tlv-grace-type-name
        </tlv-grace-type-name>
        <tlv-grace-value>
          tlv-grace-value
        </tlv-grace-value>
      </ospf-link-local-grace-lsa>
    </ospf-opaque-link-local-lsa>
  </ospf-database>
</ospf-database-information>
```

#### Description

### <ospf-link-local-grace-lsa>

#### Usage

```
<ospf3-database>
```



```

<ospf-opaque-link-local-lsa>
  <ospf-link-local-grace-lsa>
    <tlv-grace-type-name>
      tlv-grace-type-name
    </tlv-grace-type-name>
    <tlv-grace-value>
      tlv-grace-value
    </tlv-grace-value>
  </ospf-link-local-grace-lsa>
</ospf-opaque-link-local-lsa>
</ospf3-database>

```

#### Description

### <ospf-link-local-grace-lsa>

#### Usage

```

<ospf3-database-information>
  <ospf3-database>
    <ospf-opaque-link-local-lsa>
      <ospf-link-local-grace-lsa>
        <tlv-grace-type-name>
          tlv-grace-type-name
        </tlv-grace-type-name>
        <tlv-grace-value>
          tlv-grace-value
        </tlv-grace-value>
      </ospf-link-local-grace-lsa>
    </ospf-opaque-link-local-lsa>
  </ospf3-database>
</ospf3-database-information>

```

#### Description

### <ospf-link-local-te-lsa>

#### Usage

```

<ospf-opaque-link-local-lsa>
  <ospf-link-local-te-lsa>
    <ospf-link-local-te-tlv>....</ospf-link-local-te-tlv>
    <ospf-link-local-te-subtlv>....</ospf-link-local-te-subtlv>
  </ospf-link-local-te-lsa>
</ospf-opaque-link-local-lsa>

```

#### Description

### <ospf-link-local-te-lsa>

#### Usage

```

<ospf-database>
  <ospf-opaque-link-local-lsa>
    <ospf-link-local-te-lsa>
      <ospf-link-local-te-tlv>....</ospf-link-local-te-tlv>

```

```
<ospf-link-local-te-subtlv>....</ospf-link-local-te-subtlv>
</ospf-link-local-te-lsa>
</ospf-opaque-link-local-lsa>
</ospf-database>
```

#### Description

### <ospf-link-local-te-lsa>

#### Usage

```
<ospf-database-information>
<ospf-database>
<ospf-opaque-link-local-lsa>
<ospf-link-local-te-lsa>
  <ospf-link-local-te-tlv>....</ospf-link-local-te-tlv>
  <ospf-link-local-te-subtlv>....</ospf-link-local-te-subtlv>
</ospf-link-local-te-lsa>
</ospf-opaque-link-local-lsa>
</ospf-database>
</ospf-database-information>
```

#### Description

### <ospf-link-local-te-lsa>

#### Usage

```
<ospf3-database>
<ospf-opaque-link-local-lsa>
<ospf-link-local-te-lsa>
  <ospf-link-local-te-tlv>....</ospf-link-local-te-tlv>
  <ospf-link-local-te-subtlv>....</ospf-link-local-te-subtlv>
</ospf-link-local-te-lsa>
</ospf-opaque-link-local-lsa>
</ospf3-database>
```

#### Description

### <ospf-link-local-te-lsa>

#### Usage

```
<ospf3-database-information>
<ospf3-database>
<ospf-opaque-link-local-lsa>
<ospf-link-local-te-lsa>
  <ospf-link-local-te-tlv>....</ospf-link-local-te-tlv>
  <ospf-link-local-te-subtlv>....</ospf-link-local-te-subtlv>
</ospf-link-local-te-lsa>
</ospf-opaque-link-local-lsa>
</ospf3-database>
</ospf3-database-information>
```

#### Description

**<ospf-link-local-te-subtlv>****Usage**

```

<ospf-link-local-te-subtlv>
  <link-local-te-tlv-type-name>
    link-local-te-tlv-type-name
  </link-local-te-tlv-type-name>
  <tlv-type-value>
    tlv-type-value
  </tlv-type-value>
  <tlv-length>
    tlv-length
  </tlv-length>
  <bytes-left>
    bytes-left
  </bytes-left>
  <formatted-tlv-data>
    formatted-tlv-data
  </formatted-tlv-data>
</ospf-link-local-te-subtlv>

```

**Description****<ospf-link-local-te-subtlv>****Usage**

```

<ospf-opaque-link-local-lsa>
  <ospf-link-local-te-lsa>
    <ospf-link-local-te-subtlv>
      <link-local-te-tlv-type-name>
        link-local-te-tlv-type-name
      </link-local-te-tlv-type-name>
      <tlv-type-value>
        tlv-type-value
      </tlv-type-value>
      <tlv-length>
        tlv-length
      </tlv-length>
      <bytes-left>
        bytes-left
      </bytes-left>
      <formatted-tlv-data>
        formatted-tlv-data
      </formatted-tlv-data>
    </ospf-link-local-te-subtlv>
  </ospf-link-local-te-lsa>
</ospf-opaque-link-local-lsa>

```

**Description**

## <ospf-link-local-te-subtlv>

### Usage

```
<ospf-database>
  <ospf-opaque-link-local-lsa>
    <ospf-link-local-te-lsa>
      <ospf-link-local-te-subtlv>
        <link-local-te-tlv-type-name>
          link-local-te-tlv-type-name
        </link-local-te-tlv-type-name>
        <tlv-type-value>
          tlv-type-value
        </tlv-type-value>
        <tlv-length>
          tlv-length
        </tlv-length>
        <bytes-left>
          bytes-left
        </bytes-left>
        <formatted-tlv-data>
          formatted-tlv-data
        </formatted-tlv-data>
      </ospf-link-local-te-subtlv>
    </ospf-link-local-te-lsa>
  </ospf-opaque-link-local-lsa>
</ospf-database>
```

### Description

## <ospf-link-local-te-subtlv>

### Usage

```
<ospf-database-information>
  <ospf-database>
    <ospf-opaque-link-local-lsa>
      <ospf-link-local-te-lsa>
        <ospf-link-local-te-subtlv>
          <link-local-te-tlv-type-name>
            link-local-te-tlv-type-name
          </link-local-te-tlv-type-name>
          <tlv-type-value>
            tlv-type-value
          </tlv-type-value>
          <tlv-length>
            tlv-length
          </tlv-length>
          <bytes-left>
            bytes-left
          </bytes-left>
          <formatted-tlv-data>
            formatted-tlv-data
          </formatted-tlv-data>
        </ospf-link-local-te-subtlv>
      </ospf-link-local-te-lsa>
    </ospf-opaque-link-local-lsa>
  </ospf-database>
</ospf-database-information>
```

```

    </ospf-opaque-link-local-lsa>
  </ospf-database>
</ospf-database-information>

```

## Description

### <ospf-link-local-te-subtlv>

#### Usage

```

<ospf3-database>
  <ospf-opaque-link-local-lsa>
    <ospf-link-local-te-lsa>
      <ospf-link-local-te-subtlv>
        <link-local-te-tlv-type-name>
          link-local-te-tlv-type-name
        </link-local-te-tlv-type-name>
        <tlv-type-value>
          tlv-type-value
        </tlv-type-value>
        <tlv-length>
          tlv-length
        </tlv-length>
        <bytes-left>
          bytes-left
        </bytes-left>
        <formatted-tlv-data>
          formatted-tlv-data
        </formatted-tlv-data>
      </ospf-link-local-te-subtlv>
    </ospf-link-local-te-lsa>
  </ospf-opaque-link-local-lsa>
</ospf3-database>

```

## Description

### <ospf-link-local-te-subtlv>

#### Usage

```

<ospf3-database-information>
  <ospf3-database>
    <ospf-opaque-link-local-lsa>
      <ospf-link-local-te-lsa>
        <ospf-link-local-te-subtlv>
          <link-local-te-tlv-type-name>
            link-local-te-tlv-type-name
          </link-local-te-tlv-type-name>
          <tlv-type-value>
            tlv-type-value
          </tlv-type-value>
          <tlv-length>
            tlv-length
          </tlv-length>
          <bytes-left>
            bytes-left

```

```
</bytes-left>
<formatted-tlv-data>
  formatted-tlv-data
</formatted-tlv-data>
</ospf-link-local-te-subtlv>
</ospf-link-local-te-lsa>
</ospf-opaque-link-local-lsa>
</ospf3-database>
</ospf3-database-information>
```

## Description

### <ospf-link-local-te-tlv>

#### Usage

```
<ospf-link-local-te-tlv>
  <link-local-te-tlv-type-name>
    link-local-te-tlv-type-name
  </link-local-te-tlv-type-name>
  <tlv-type-value>
    tlv-type-value
  </tlv-type-value>
  <tlv-length>
    tlv-length
  </tlv-length>
  <bytes-left>
    bytes-left
  </bytes-left>
  <formatted-tlv-data>
    formatted-tlv-data
  </formatted-tlv-data>
</ospf-link-local-te-tlv>
```

## Description

### <ospf-link-local-te-tlv>

#### Usage

```
<ospf-opaque-link-local-lsa>
  <ospf-link-local-te-lsa>
    <ospf-link-local-te-tlv>
      <link-local-te-tlv-type-name>
        link-local-te-tlv-type-name
      </link-local-te-tlv-type-name>
      <tlv-type-value>
        tlv-type-value
      </tlv-type-value>
      <tlv-length>
        tlv-length
      </tlv-length>
      <bytes-left>
        bytes-left
      </bytes-left>
      <formatted-tlv-data>
```

```

    formatted-tlv-data
  </formatted-tlv-data>
</ospf-link-local-te-tlv>
</ospf-link-local-te-lsa>
</ospf-opaque-link-local-lsa>

```

#### Description

### <ospf-link-local-te-tlv>

#### Usage

```

<ospf-database>
  <ospf-opaque-link-local-lsa>
    <ospf-link-local-te-lsa>
      <ospf-link-local-te-tlv>
        <link-local-te-tlv-type-name>
          link-local-te-tlv-type-name
        </link-local-te-tlv-type-name>
        <tlv-type-value>
          tlv-type-value
        </tlv-type-value>
        <tlv-length>
          tlv-length
        </tlv-length>
        <bytes-left>
          bytes-left
        </bytes-left>
        <formatted-tlv-data>
          formatted-tlv-data
        </formatted-tlv-data>
      </ospf-link-local-te-tlv>
    </ospf-link-local-te-lsa>
  </ospf-opaque-link-local-lsa>
</ospf-database>

```

#### Description

### <ospf-link-local-te-tlv>

#### Usage

```

<ospf-database-information>
  <ospf-database>
    <ospf-opaque-link-local-lsa>
      <ospf-link-local-te-lsa>
        <ospf-link-local-te-tlv>
          <link-local-te-tlv-type-name>
            link-local-te-tlv-type-name
          </link-local-te-tlv-type-name>
          <tlv-type-value>
            tlv-type-value
          </tlv-type-value>
          <tlv-length>
            tlv-length
          </tlv-length>
        </ospf-link-local-te-tlv>
      </ospf-link-local-te-lsa>
    </ospf-opaque-link-local-lsa>
  </ospf-database>
</ospf-database-information>

```

```
<bytes-left>
  bytes-left
</bytes-left>
<formatted-tlv-data>
  formatted-tlv-data
</formatted-tlv-data>
</ospf-link-local-te-tlv>
</ospf-link-local-te-lsa>
</ospf-opaque-link-local-lsa>
</ospf-database>
</ospf-database-information>
```

#### Description

### <ospf-link-local-te-tlv>

#### Usage

```
<ospf3-database>
<ospf-opaque-link-local-lsa>
<ospf-link-local-te-lsa>
  <ospf-link-local-te-tlv>
    <link-local-te-tlv-type-name>
      link-local-te-tlv-type-name
    </link-local-te-tlv-type-name>
    <tlv-type-value>
      tlv-type-value
    </tlv-type-value>
    <tlv-length>
      tlv-length
    </tlv-length>
    <bytes-left>
      bytes-left
    </bytes-left>
    <formatted-tlv-data>
      formatted-tlv-data
    </formatted-tlv-data>
  </ospf-link-local-te-tlv>
</ospf-link-local-te-lsa>
</ospf-opaque-link-local-lsa>
</ospf3-database>
```

#### Description

### <ospf-link-local-te-tlv>

#### Usage

```
<ospf3-database-information>
<ospf3-database>
<ospf-opaque-link-local-lsa>
<ospf-link-local-te-lsa>
  <ospf-link-local-te-tlv>
    <link-local-te-tlv-type-name>
      link-local-te-tlv-type-name
    </link-local-te-tlv-type-name>
```



```

    <tlv-type-value>
      tlv-type-value
    </tlv-type-value>
    <tlv-length>
      tlv-length
    </tlv-length>
    <bytes-left>
      bytes-left
    </bytes-left>
    <formatted-tlv-data>
      formatted-tlv-data
    </formatted-tlv-data>
  </ospf-link-local-te-tlv>
</ospf-link-local-te-lsa>
</ospf-opaque-link-local-lsa>
</ospf3-database>
</ospf3-database-information>

```

#### Description

#### <ospf-log-events>

##### Usage

```

<ospf-log-events>
  <log-element>....</log-element>
  <number-events>
    number-events
  </number-events>
</ospf-log-events>

```

#### Description

#### <ospf-log-events>

##### Usage

```

<ospf-topology-log>
  <ospf-log-events>
    <log-element>....</log-element>
    <number-events>
      number-events
    </number-events>
  </ospf-log-events>
</ospf-topology-log>

```

#### Description

#### <ospf-log-events>

##### Usage

```

<ospf-log-information>
  <ospf-topology-log>
    <ospf-log-events>
      <log-element>....</log-element>

```

```
<number-events>
  number-events
</number-events>
</ospf-log-events>
</ospf-topology-log>
</ospf-log-information>
```

#### Description

### <ospf-log-events>

#### Usage

```
<ospf3-log-information>
  <ospf-log-events>
    <log-element>....</log-element>
    <number-events>
      number-events
    </number-events>
  </ospf-log-events>
</ospf3-log-information>
```

#### Description

### <ospf-log-information>

#### Usage

```
<ospf-log-information>
  <ospf-topology-log>....</ospf-topology-log>
</ospf-log-information>
```

#### Description

### <ospf-log-instance>

#### Usage

```
<ospf-log-instance>
  <log-element>....</log-element>
</ospf-log-instance>
```

#### Description

### <ospf-log-instance>

#### Usage

```
<ospf-topology-log>
  <ospf-log-instance>
    <log-element>....</log-element>
  </ospf-log-instance>
</ospf-topology-log>
```

#### Description

### <ospf-log-instance>

#### Usage

```
<ospf-log-information>  
  <ospf-topology-log>  
    <ospf-log-instance>  
      <log-element>....</log-element>  
    </ospf-log-instance>  
  </ospf-topology-log>  
</ospf-log-information>
```

#### Description

### <ospf-log-instance>

#### Usage

```
<ospf3-log-information>  
  <ospf-log-instance>  
    <log-element>....</log-element>  
  </ospf-log-instance>  
</ospf3-log-information>
```

#### Description

### <ospf-log-maximum-length>

#### Usage

```
<ospf-log-maximum-length>  
  <log-element>....</log-element>  
</ospf-log-maximum-length>
```

#### Description

### <ospf-log-maximum-length>

#### Usage

```
<ospf-topology-log>  
  <ospf-log-maximum-length>  
    <log-element>....</log-element>  
  </ospf-log-maximum-length>  
</ospf-topology-log>
```

#### Description

### <ospf-log-maximum-length>

#### Usage

```
<ospf-log-information>  
  <ospf-topology-log>  
    <ospf-log-maximum-length>  
      <log-element>....</log-element>  
    </ospf-log-maximum-length>
```

```
</ospf-topology-log>
</ospf-log-information>
```

#### Description

### <ospf-log-maximum-length>

#### Usage

```
<ospf3-log-information>
  <ospf-log-maximum-length>
    <log-element>....</log-element>
  </ospf-log-maximum-length>
</ospf3-log-information>
```

#### Description

### <ospf-lsa-topology>

#### Usage

```
<ospf-lsa-topology>
  <ospf-topology-name>
    ospf-topology-name
  </ospf-topology-name>
  <ospf-topology-id>
    ospf-topology-id
  </ospf-topology-id>
  <ospf-lsa-topology-link>....</ospf-lsa-topology-link>
</ospf-lsa-topology>
```

**Description** OSPF topology information for a LSA

### <ospf-lsa-topology>

#### Usage

```
<ospf-router-lsa>
  <ospf-lsa-topology>
    <ospf-topology-name>
      ospf-topology-name
    </ospf-topology-name>
    <ospf-topology-id>
      ospf-topology-id
    </ospf-topology-id>
    <ospf-lsa-topology-link>....</ospf-lsa-topology-link>
  </ospf-lsa-topology>
</ospf-router-lsa>
```

**Description** OSPF topology information for a LSA

**<ospf-lsa-topology>****Usage**

```

<ospf-network-lsa>
  <ospf-lsa-topology>
    <ospf-topology-name>
      ospf-topology-name
    </ospf-topology-name>
    <ospf-topology-id>
      ospf-topology-id
    </ospf-topology-id>
    <ospf-lsa-topology-link>....</ospf-lsa-topology-link>
  </ospf-lsa-topology>
</ospf-network-lsa>

```

**Description** OSPF topology information for a LSA

**<ospf-lsa-topology>****Usage**

```

<ospf-database>
  <ospf-router-lsa>
    <ospf-lsa-topology>
      <ospf-topology-name>
        ospf-topology-name
      </ospf-topology-name>
      <ospf-topology-id>
        ospf-topology-id
      </ospf-topology-id>
      <ospf-lsa-topology-link>....</ospf-lsa-topology-link>
    </ospf-lsa-topology>
  </ospf-router-lsa>
</ospf-database>

```

**Description** OSPF topology information for a LSA

**<ospf-lsa-topology>****Usage**

```

<ospf-database>
  <ospf-network-lsa>
    <ospf-lsa-topology>
      <ospf-topology-name>
        ospf-topology-name
      </ospf-topology-name>
      <ospf-topology-id>
        ospf-topology-id
      </ospf-topology-id>
      <ospf-lsa-topology-link>....</ospf-lsa-topology-link>
    </ospf-lsa-topology>
  </ospf-network-lsa>

```

</ospf-database>

**Description** OSPF topology information for a LSA

### <ospf-lsa-topology>

#### Usage

```
<ospf-database-information>
  <ospf-database>
    <ospf-router-lsa>
      <ospf-lsa-topology>
        <ospf-topology-name>
          ospf-topology-name
        </ospf-topology-name>
        <ospf-topology-id>
          ospf-topology-id
        </ospf-topology-id>
        <ospf-lsa-topology-link>....</ospf-lsa-topology-link>
      </ospf-lsa-topology>
    </ospf-router-lsa>
  </ospf-database>
</ospf-database-information>
```

**Description** OSPF topology information for a LSA

### <ospf-lsa-topology>

#### Usage

```
<ospf-database-information>
  <ospf-database>
    <ospf-network-lsa>
      <ospf-lsa-topology>
        <ospf-topology-name>
          ospf-topology-name
        </ospf-topology-name>
        <ospf-topology-id>
          ospf-topology-id
        </ospf-topology-id>
        <ospf-lsa-topology-link>....</ospf-lsa-topology-link>
      </ospf-lsa-topology>
    </ospf-network-lsa>
  </ospf-database>
</ospf-database-information>
```

**Description** OSPF topology information for a LSA

### <ospf-lsa-topology-link>

#### Usage

```
<ospf-lsa-topology-link>
  <link-type-name>
```

```

    link-type-name
  </link-type-name>
  <ospf-lsa-topology-link-node-id>
    ospf-lsa-topology-link-node-id
  </ospf-lsa-topology-link-node-id>
  <ospf-lsa-topology-link-metric>
    ospf-lsa-topology-link-metric
  </ospf-lsa-topology-link-metric>
  <ospf-lsa-topology-link-state>
    ospf-lsa-topology-link-state
  </ospf-lsa-topology-link-state>
</ospf-lsa-topology-link>

```

**Description** OSPF topology information for a set of links to a LSA

### <ospf-lsa-topology-link>

#### Usage

```

<ospf-lsa-topology>
  <ospf-lsa-topology-link>
    <link-type-name>
      link-type-name
    </link-type-name>
    <ospf-lsa-topology-link-node-id>
      ospf-lsa-topology-link-node-id
    </ospf-lsa-topology-link-node-id>
    <ospf-lsa-topology-link-metric>
      ospf-lsa-topology-link-metric
    </ospf-lsa-topology-link-metric>
    <ospf-lsa-topology-link-state>
      ospf-lsa-topology-link-state
    </ospf-lsa-topology-link-state>
  </ospf-lsa-topology-link>
</ospf-lsa-topology>

```

**Description** OSPF topology information for a set of links to a LSA

### <ospf-lsa-topology-link>

#### Usage

```

<ospf-router-lsa>
  <ospf-lsa-topology>
    <ospf-lsa-topology-link>
      <link-type-name>
        link-type-name
      </link-type-name>
      <ospf-lsa-topology-link-node-id>
        ospf-lsa-topology-link-node-id
      </ospf-lsa-topology-link-node-id>
      <ospf-lsa-topology-link-metric>
        ospf-lsa-topology-link-metric
      </ospf-lsa-topology-link-metric>
    </ospf-lsa-topology-link>
  </ospf-lsa-topology>
</ospf-router-lsa>

```

```
<ospf-lsa-topology-link-state>
  ospf-lsa-topology-link-state
</ospf-lsa-topology-link-state>
</ospf-lsa-topology-link>
</ospf-lsa-topology>
</ospf-router-lsa>
```

**Description** OSPF topology information for a set of links to a LSA

### <ospf-lsa-topology-link>

#### Usage

```
<ospf-network-lsa>
<ospf-lsa-topology>
  <ospf-lsa-topology-link>
    <link-type-name>
      link-type-name
    </link-type-name>
    <ospf-lsa-topology-link-node-id>
      ospf-lsa-topology-link-node-id
    </ospf-lsa-topology-link-node-id>
    <ospf-lsa-topology-link-metric>
      ospf-lsa-topology-link-metric
    </ospf-lsa-topology-link-metric>
    <ospf-lsa-topology-link-state>
      ospf-lsa-topology-link-state
    </ospf-lsa-topology-link-state>
  </ospf-lsa-topology-link>
</ospf-lsa-topology>
</ospf-network-lsa>
```

**Description** OSPF topology information for a set of links to a LSA

### <ospf-lsa-topology-link>

#### Usage

```
<ospf-database>
<ospf-router-lsa>
  <ospf-lsa-topology>
    <ospf-lsa-topology-link>
      <link-type-name>
        link-type-name
      </link-type-name>
      <ospf-lsa-topology-link-node-id>
        ospf-lsa-topology-link-node-id
      </ospf-lsa-topology-link-node-id>
      <ospf-lsa-topology-link-metric>
        ospf-lsa-topology-link-metric
      </ospf-lsa-topology-link-metric>
      <ospf-lsa-topology-link-state>
        ospf-lsa-topology-link-state
      </ospf-lsa-topology-link-state>
    </ospf-lsa-topology-link>
  </ospf-lsa-topology>
</ospf-router-lsa>
```



```

    </ospf-lsa-topology-link>
  </ospf-lsa-topology>
</ospf-router-lsa>
</ospf-database>

```

**Description** OSPF topology information for a set of links to a LSA

### <ospf-lsa-topology-link>

#### Usage

```

<ospf-database>
  <ospf-network-lsa>
    <ospf-lsa-topology>
      <ospf-lsa-topology-link>
        <link-type-name>
          link-type-name
        </link-type-name>
        <ospf-lsa-topology-link-node-id>
          ospf-lsa-topology-link-node-id
        </ospf-lsa-topology-link-node-id>
        <ospf-lsa-topology-link-metric>
          ospf-lsa-topology-link-metric
        </ospf-lsa-topology-link-metric>
        <ospf-lsa-topology-link-state>
          ospf-lsa-topology-link-state
        </ospf-lsa-topology-link-state>
      </ospf-lsa-topology-link>
    </ospf-lsa-topology>
  </ospf-network-lsa>
</ospf-database>

```

**Description** OSPF topology information for a set of links to a LSA

### <ospf-lsa-topology-link>

#### Usage

```

<ospf-database-information>
  <ospf-database>
    <ospf-router-lsa>
      <ospf-lsa-topology>
        <ospf-lsa-topology-link>
          <link-type-name>
            link-type-name
          </link-type-name>
          <ospf-lsa-topology-link-node-id>
            ospf-lsa-topology-link-node-id
          </ospf-lsa-topology-link-node-id>
          <ospf-lsa-topology-link-metric>
            ospf-lsa-topology-link-metric
          </ospf-lsa-topology-link-metric>
          <ospf-lsa-topology-link-state>
            ospf-lsa-topology-link-state
          </ospf-lsa-topology-link-state>
        </ospf-lsa-topology-link>
      </ospf-lsa-topology>
    </ospf-router-lsa>
  </ospf-database>
</ospf-database-information>

```

```
</ospf-lsa-topology-link-state>
</ospf-lsa-topology-link>
</ospf-lsa-topology>
</ospf-router-lsa>
</ospf-database>
</ospf-database-information>
```

**Description** OSPF topology information for a set of links to a LSA

### <ospf-lsa-topology-link>

#### Usage

```
<ospf-database-information>
<ospf-database>
  <ospf-network-lsa>
    <ospf-lsa-topology>
      <ospf-lsa-topology-link>
        <link-type-name>
          link-type-name
        </link-type-name>
        <ospf-lsa-topology-link-node-id>
          ospf-lsa-topology-link-node-id
        </ospf-lsa-topology-link-node-id>
        <ospf-lsa-topology-link-metric>
          ospf-lsa-topology-link-metric
        </ospf-lsa-topology-link-metric>
        <ospf-lsa-topology-link-state>
          ospf-lsa-topology-link-state
        </ospf-lsa-topology-link-state>
      </ospf-lsa-topology-link>
    </ospf-lsa-topology>
  </ospf-network-lsa>
</ospf-database>
</ospf-database-information>
```

**Description** OSPF topology information for a set of links to a LSA

### <ospf-lsa-topology-link>

#### Usage

```
<ospf3-lsa-topology>
  <ospf-lsa-topology-link>
    <link-type-name>
      link-type-name
    </link-type-name>
    <ospf-lsa-topology-link-node-id>
      ospf-lsa-topology-link-node-id
    </ospf-lsa-topology-link-node-id>
    <ospf-lsa-topology-link-metric>
      ospf-lsa-topology-link-metric
    </ospf-lsa-topology-link-metric>
    <ospf-lsa-topology-link-state>
```

```

    ospf-lsa-topology-link-state
  </ospf-lsa-topology-link-state>
</ospf-lsa-topology-link>
</ospf3-lsa-topology>

```

**Description** OSPF topology information for a set of links to a LSA

### <ospf-lsa-topology-link>

#### Usage

```

<ospf3-router-lsa>
  <ospf3-lsa-topology>
    <ospf-lsa-topology-link>
      <link-type-name>
        link-type-name
      </link-type-name>
      <ospf-lsa-topology-link-node-id>
        ospf-lsa-topology-link-node-id
      </ospf-lsa-topology-link-node-id>
      <ospf-lsa-topology-link-metric>
        ospf-lsa-topology-link-metric
      </ospf-lsa-topology-link-metric>
      <ospf-lsa-topology-link-state>
        ospf-lsa-topology-link-state
      </ospf-lsa-topology-link-state>
    </ospf-lsa-topology-link>
  </ospf3-lsa-topology>
</ospf3-router-lsa>

```

**Description** OSPF topology information for a set of links to a LSA

### <ospf-lsa-topology-link>

#### Usage

```

<ospf3-network-lsa>
  <ospf3-lsa-topology>
    <ospf-lsa-topology-link>
      <link-type-name>
        link-type-name
      </link-type-name>
      <ospf-lsa-topology-link-node-id>
        ospf-lsa-topology-link-node-id
      </ospf-lsa-topology-link-node-id>
      <ospf-lsa-topology-link-metric>
        ospf-lsa-topology-link-metric
      </ospf-lsa-topology-link-metric>
      <ospf-lsa-topology-link-state>
        ospf-lsa-topology-link-state
      </ospf-lsa-topology-link-state>
    </ospf-lsa-topology-link>
  </ospf3-lsa-topology>

```

```
</ospf3-network-lsa>
```

**Description** OSPF topology information for a set of links to a LSA

### <ospf-lsa-topology-link>

#### Usage

```
<ospf3-database>
  <ospf3-router-lsa>
    <ospf3-lsa-topology>
      <ospf-lsa-topology-link>
        <link-type-name>
          link-type-name
        </link-type-name>
        <ospf-lsa-topology-link-node-id>
          ospf-lsa-topology-link-node-id
        </ospf-lsa-topology-link-node-id>
        <ospf-lsa-topology-link-metric>
          ospf-lsa-topology-link-metric
        </ospf-lsa-topology-link-metric>
        <ospf-lsa-topology-link-state>
          ospf-lsa-topology-link-state
        </ospf-lsa-topology-link-state>
      </ospf-lsa-topology-link>
    </ospf3-lsa-topology>
  </ospf3-router-lsa>
</ospf3-database>
```

**Description** OSPF topology information for a set of links to a LSA

### <ospf-lsa-topology-link>

#### Usage

```
<ospf3-database>
  <ospf3-network-lsa>
    <ospf3-lsa-topology>
      <ospf-lsa-topology-link>
        <link-type-name>
          link-type-name
        </link-type-name>
        <ospf-lsa-topology-link-node-id>
          ospf-lsa-topology-link-node-id
        </ospf-lsa-topology-link-node-id>
        <ospf-lsa-topology-link-metric>
          ospf-lsa-topology-link-metric
        </ospf-lsa-topology-link-metric>
        <ospf-lsa-topology-link-state>
          ospf-lsa-topology-link-state
        </ospf-lsa-topology-link-state>
      </ospf-lsa-topology-link>
    </ospf3-lsa-topology>
  </ospf3-network-lsa>
```

```
</ospf3-database>
```

**Description** OSPF topology information for a set of links to a LSA

### <ospf-lsa-topology-link>

#### Usage

```
<ospf3-database-information>
  <ospf3-database>
    <ospf3-router-lsa>
      <ospf3-lsa-topology>
        <ospf-lsa-topology-link>
          <link-type-name>
            link-type-name
          </link-type-name>
          <ospf-lsa-topology-link-node-id>
            ospf-lsa-topology-link-node-id
          </ospf-lsa-topology-link-node-id>
          <ospf-lsa-topology-link-metric>
            ospf-lsa-topology-link-metric
          </ospf-lsa-topology-link-metric>
          <ospf-lsa-topology-link-state>
            ospf-lsa-topology-link-state
          </ospf-lsa-topology-link-state>
        </ospf-lsa-topology-link>
      </ospf3-lsa-topology>
    </ospf3-router-lsa>
  </ospf3-database>
</ospf3-database-information>
```

**Description** OSPF topology information for a set of links to a LSA

### <ospf-lsa-topology-link>

#### Usage

```
<ospf3-database-information>
  <ospf3-database>
    <ospf3-network-lsa>
      <ospf3-lsa-topology>
        <ospf-lsa-topology-link>
          <link-type-name>
            link-type-name
          </link-type-name>
          <ospf-lsa-topology-link-node-id>
            ospf-lsa-topology-link-node-id
          </ospf-lsa-topology-link-node-id>
          <ospf-lsa-topology-link-metric>
            ospf-lsa-topology-link-metric
          </ospf-lsa-topology-link-metric>
          <ospf-lsa-topology-link-state>
            ospf-lsa-topology-link-state
          </ospf-lsa-topology-link-state>
```

```
</ospf-lsa-topology-link>
</ospf3-lsa-topology>
</ospf3-network-lsa>
</ospf3-database>
</ospf3-database-information>
```

**Description** OSPF topology information for a set of links to a LSA

### <ospf-nbr-overview>

#### Usage

```
<ospf-overview>
  <ospf-area-overview>
    <ospf-nbr-overview>
      <ospf-nbr-up-count>
        ospf-nbr-up-count
      </ospf-nbr-up-count>
    </ospf-nbr-overview>
  </ospf-area-overview>
</ospf-overview>
```

#### Description

### <ospf-nbr-overview>

#### Usage

```
<ospf-overview-information>
  <ospf-overview>
    <ospf-area-overview>
      <ospf-nbr-overview>
        <ospf-nbr-up-count>
          ospf-nbr-up-count
        </ospf-nbr-up-count>
      </ospf-nbr-overview>
    </ospf-area-overview>
  </ospf-overview>
</ospf-overview-information>
```

#### Description

### <ospf-nbr-overview>

#### Usage

```
<ospf3-overview-information>
  <ospf-overview>
    <ospf-area-overview>
      <ospf-nbr-overview>
        <ospf-nbr-up-count>
          ospf-nbr-up-count
        </ospf-nbr-up-count>
      </ospf-nbr-overview>
    </ospf-area-overview>
```

```
</ospf-overview>
</ospf3-overview-information>
```

## Description

### <ospf-neighbor>

#### Usage

```
<ospf-neighbor>
  <neighbor-address>
    neighbor-address
  </neighbor-address>
  <interface-name>
    interface-name
  </interface-name>
  <ospf-neighbor-state>
    ospf-neighbor-state
  </ospf-neighbor-state>
  <neighbor-id>
    neighbor-id
  </neighbor-id>
  <neighbor-priority>
    neighbor-priority
  </neighbor-priority>
  <activity-timer>
    activity-timer
  </activity-timer>
  <ospf-area>
    ospf-area
  </ospf-area>
  <options>
    options
  </options>
  <neighbor-secondary>
    neighbor-secondary
  </neighbor-secondary>
  <neighbor-cost>
    neighbor-cost
  </neighbor-cost>
  <dr-address>
    dr-address
  </dr-address>
  <bdr-address>
    bdr-address
  </bdr-address>
  <neighbor-up-time>
    neighbor-up-time
  </neighbor-up-time>
  <neighbor-adjacency-time>
    neighbor-adjacency-time
  </neighbor-adjacency-time>
  <neighbor-last-out-of-band-resync-time>
    neighbor-last-out-of-band-resync-time
  </neighbor-last-out-of-band-resync-time>
  <neighbor-suppress-hello>
```

```
    neighbor-suppress-hello
  </neighbor-suppress-hello>
  <master-slave>
    master-slave
  </master-slave>
  <sequence-number>
    sequence-number
  </sequence-number>
  <dbd-retransmit-time>
    dbd-retransmit-time
  </dbd-retransmit-time>
  <lsreq-retransmit-time>
    lsreq-retransmit-time
  </lsreq-retransmit-time>
  <lsreq-enqueued>
    lsreq-enqueued
  </lsreq-enqueued>
  <lsreq-active>
    lsreq-active
  </lsreq-active>
  <lsa-list>
    lsa-list
  </lsa-list>
  <ospf-neighbor-topology>....</ospf-neighbor-topology>
</ospf-neighbor>
```

## Description

### <ospf-neighbor>

#### Usage

```
<ospf-neighbor-information>
  <ospf-neighbor>
    <neighbor-address>
      neighbor-address
    </neighbor-address>
    <interface-name>
      interface-name
    </interface-name>
    <ospf-neighbor-state>
      ospf-neighbor-state
    </ospf-neighbor-state>
    <neighbor-id>
      neighbor-id
    </neighbor-id>
    <neighbor-priority>
      neighbor-priority
    </neighbor-priority>
    <activity-timer>
      activity-timer
    </activity-timer>
    <ospf-area>
      ospf-area
    </ospf-area>
    <options>
```



```

    options
  </options>
  <neighbor-secondary>
    neighbor-secondary
  </neighbor-secondary>
  <neighbor-cost>
    neighbor-cost
  </neighbor-cost>
  <dr-address>
    dr-address
  </dr-address>
  <bdr-address>
    bdr-address
  </bdr-address>
  <neighbor-up-time>
    neighbor-up-time
  </neighbor-up-time>
  <neighbor-adjacency-time>
    neighbor-adjacency-time
  </neighbor-adjacency-time>
  <neighbor-last-out-of-band-resync-time>
    neighbor-last-out-of-band-resync-time
  </neighbor-last-out-of-band-resync-time>
  <neighbor-suppress-hello>
    neighbor-suppress-hello
  </neighbor-suppress-hello>
  <master-slave>
    master-slave
  </master-slave>
  <sequence-number>
    sequence-number
  </sequence-number>
  <dbd-retransmit-time>
    dbd-retransmit-time
  </dbd-retransmit-time>
  <lsreq-retransmit-time>
    lsreq-retransmit-time
  </lsreq-retransmit-time>
  <lsreq-enqueued>
    lsreq-enqueued
  </lsreq-enqueued>
  <lsreq-active>
    lsreq-active
  </lsreq-active>
  <lsa-list>
    lsa-list
  </lsa-list>
  <ospf-neighbor-topology>....</ospf-neighbor-topology>
</ospf-neighbor>
</ospf-neighbor-information>

```

## Description

## <ospf-neighbor>

### Usage

```
<ospf-neighbor-information-all>
  <ospf-instance-neighbor>
    <ospf-neighbor>
      <neighbor-address>
        neighbor-address
      </neighbor-address>
      <interface-name>
        interface-name
      </interface-name>
      <ospf-neighbor-state>
        ospf-neighbor-state
      </ospf-neighbor-state>
      <neighbor-id>
        neighbor-id
      </neighbor-id>
      <neighbor-priority>
        neighbor-priority
      </neighbor-priority>
      <activity-timer>
        activity-timer
      </activity-timer>
      <ospf-area>
        ospf-area
      </ospf-area>
      <options>
        options
      </options>
      <neighbor-secondary>
        neighbor-secondary
      </neighbor-secondary>
      <neighbor-cost>
        neighbor-cost
      </neighbor-cost>
      <dr-address>
        dr-address
      </dr-address>
      <bdr-address>
        bdr-address
      </bdr-address>
      <neighbor-up-time>
        neighbor-up-time
      </neighbor-up-time>
      <neighbor-adjacency-time>
        neighbor-adjacency-time
      </neighbor-adjacency-time>
      <neighbor-last-out-of-band-resync-time>
        neighbor-last-out-of-band-resync-time
      </neighbor-last-out-of-band-resync-time>
      <neighbor-suppress-hello>
        neighbor-suppress-hello
      </neighbor-suppress-hello>
      <master-slave>
```

```

    master-slave
  </master-slave>
  <sequence-number>
    sequence-number
  </sequence-number>
  <dbd-retransmit-time>
    dbd-retransmit-time
  </dbd-retransmit-time>
  <lsreq-retransmit-time>
    lsreq-retransmit-time
  </lsreq-retransmit-time>
  <lsreq-enqueued>
    lsreq-enqueued
  </lsreq-enqueued>
  <lsreq-active>
    lsreq-active
  </lsreq-active>
  <lsa-list>
    lsa-list
  </lsa-list>
  <ospf-neighbor-topology>....</ospf-neighbor-topology>
</ospf-neighbor>
</ospf-instance-neighbor>
</ospf-neighbor-information-all>

```

**Description****<ospf-neighbor-information>****Usage**

```

<ospf-neighbor-information>
  <ospf-neighbor>....</ospf-neighbor>
</ospf-neighbor-information>

```

**Description** Information about OSPF neighbors in a routing instance

**<ospf-neighbor-information-all>****Usage**

```

<ospf-neighbor-information-all>
  <ospf-instance-neighbor>....</ospf-instance-neighbor>
</ospf-neighbor-information-all>

```

**Description** Information about OSPF neighbors in all routing instances

**<ospf-neighbor-replication>****Usage**

```

<ospf-neighbor-replication>
  <interface-name>
    interface-name

```

```
</interface-name>
<ospf-area>
  ospf-area
</ospf-area>
<neighbor-id>
  neighbor-id
</neighbor-id>
<ospf-synchronization-state>
  ospf-synchronization-state
</ospf-synchronization-state>
<ospf-neighbor-state>
  ospf-neighbor-state
</ospf-neighbor-state>
<ospf-ifl-index>
  ospf-ifl-index
</ospf-ifl-index>
<ospf-route-table-index>
  ospf-route-table-index
</ospf-route-table-index>
<ospf-unsync-reason>
  ospf-unsync-reason
</ospf-unsync-reason>
</ospf-neighbor-replication>
```

**Description** OSPF neighbor replication information

### <ospf-neighbor-replication>

#### Usage

```
<ospf-neighbor-replication-information>
<ospf-neighbor-replication>
  <interface-name>
    interface-name
  </interface-name>
  <ospf-area>
    ospf-area
  </ospf-area>
  <neighbor-id>
    neighbor-id
  </neighbor-id>
  <ospf-synchronization-state>
    ospf-synchronization-state
  </ospf-synchronization-state>
  <ospf-neighbor-state>
    ospf-neighbor-state
  </ospf-neighbor-state>
  <ospf-ifl-index>
    ospf-ifl-index
  </ospf-ifl-index>
  <ospf-route-table-index>
    ospf-route-table-index
  </ospf-route-table-index>
  <ospf-unsync-reason>
    ospf-unsync-reason
```

```

    </ospf-unsync-reason>
  </ospf-neighbor-replication>
</ospf-neighbor-replication-information>

```

**Description** OSPF neighbor replication information

### <ospf-neighbor-replication>

#### Usage

```

<ospf3-neighbor-replication-information>
  <ospf-neighbor-replication>
    <interface-name>
      interface-name
    </interface-name>
    <ospf-area>
      ospf-area
    </ospf-area>
    <neighbor-id>
      neighbor-id
    </neighbor-id>
    <ospf-synchronization-state>
      ospf-synchronization-state
    </ospf-synchronization-state>
    <ospf-neighbor-state>
      ospf-neighbor-state
    </ospf-neighbor-state>
    <ospf-ifl-index>
      ospf-ifl-index
    </ospf-ifl-index>
    <ospf-route-table-index>
      ospf-route-table-index
    </ospf-route-table-index>
    <ospf-unsync-reason>
      ospf-unsync-reason
    </ospf-unsync-reason>
  </ospf-neighbor-replication>
</ospf3-neighbor-replication-information>

```

**Description** OSPF neighbor replication information

### <ospf-neighbor-replication-information>

#### Usage

```

<ospf-neighbor-replication-information>
  <ospf-neighbor-replication>....</ospf-neighbor-replication>
</ospf-neighbor-replication-information>

```

**Description** OSPFv2 neighbor replication information

## <ospf-neighbor-topology>

### Usage

```
<ospf-neighbor-topology>
  <ospf-topology-name>
    ospf-topology-name
  </ospf-topology-name>
  <ospf-topology-id>
    ospf-topology-id
  </ospf-topology-id>
  <ospf-neighbor-topology-state>
    ospf-neighbor-topology-state
  </ospf-neighbor-topology-state>
</ospf-neighbor-topology>
```

**Description** OSPF topology specific neighbor information

## <ospf-neighbor-topology>

### Usage

```
<ospf-neighbor>
  <ospf-neighbor-topology>
    <ospf-topology-name>
      ospf-topology-name
    </ospf-topology-name>
    <ospf-topology-id>
      ospf-topology-id
    </ospf-topology-id>
    <ospf-neighbor-topology-state>
      ospf-neighbor-topology-state
    </ospf-neighbor-topology-state>
  </ospf-neighbor-topology>
</ospf-neighbor>
```

**Description** OSPF topology specific neighbor information

## <ospf-neighbor-topology>

### Usage

```
<ospf-neighbor-information>
  <ospf-neighbor>
    <ospf-neighbor-topology>
      <ospf-topology-name>
        ospf-topology-name
      </ospf-topology-name>
      <ospf-topology-id>
        ospf-topology-id
      </ospf-topology-id>
      <ospf-neighbor-topology-state>
        ospf-neighbor-topology-state
      </ospf-neighbor-topology-state>
    </ospf-neighbor-topology>
```

```
</ospf-neighbor>
</ospf-neighbor-information>
```

**Description** OSPF topology specific neighbor information

### <ospf-neighbor-topology>

#### Usage

```
<ospf-neighbor-information-all>
  <ospf-instance-neighbor>
    <ospf-neighbor>
      <ospf-neighbor-topology>
        <ospf-topology-name>
          ospf-topology-name
        </ospf-topology-name>
        <ospf-topology-id>
          ospf-topology-id
        </ospf-topology-id>
        <ospf-neighbor-topology-state>
          ospf-neighbor-topology-state
        </ospf-neighbor-topology-state>
      </ospf-neighbor-topology>
    </ospf-neighbor>
  </ospf-instance-neighbor>
</ospf-neighbor-information-all>
```

**Description** OSPF topology specific neighbor information

### <ospf-network-lsa>

#### Usage

```
<ospf-network-lsa>
  <address-mask>
    address-mask
  </address-mask>
  <attached-router>
    attached-router
  </attached-router>
  <ospf-lsa-topology>....</ospf-lsa-topology>
</ospf-network-lsa>
```

**Description**

### <ospf-network-lsa>

#### Usage

```
<ospf-database>
  <ospf-network-lsa>
    <address-mask>
      address-mask
    </address-mask>
```

```
<attached-router>
  attached-router
</attached-router>
<ospf-lsa-topology>....</ospf-lsa-topology>
</ospf-network-lsa>
</ospf-database>
```

#### Description

### <ospf-network-lsa>

#### Usage

```
<ospf-database-information>
<ospf-database>
  <ospf-network-lsa>
    <address-mask>
      address-mask
    </address-mask>
    <attached-router>
      attached-router
    </attached-router>
    <ospf-lsa-topology>....</ospf-lsa-topology>
  </ospf-network-lsa>
</ospf-database>
</ospf-database-information>
```

#### Description

### <ospf-next-hop>

#### Usage

```
<ospf-next-hop>
  <next-hop-name>....</next-hop-name>
  <next-hop-address>....</next-hop-address>
</ospf-next-hop>
```

#### Description

### <ospf-next-hop>

#### Usage

```
<ospf-route>
  <ospf-route-entry>
    <ospf-next-hop>
      <next-hop-name>....</next-hop-name>
      <next-hop-address>....</next-hop-address>
    </ospf-next-hop>
  </ospf-route-entry>
</ospf-route>
```

#### Description



### <ospf-next-hop>

#### Usage

```

<ospf-topology-route-table>
  <ospf-route>
    <ospf-route-entry>
      <ospf-next-hop>
        <next-hop-name>....</next-hop-name>
        <next-hop-address>....</next-hop-address>
      </ospf-next-hop>
    </ospf-route-entry>
  </ospf-route>
</ospf-topology-route-table>

```

#### Description

### <ospf-next-hop>

#### Usage

```

<ospf-route-information>
  <ospf-topology-route-table>
    <ospf-route>
      <ospf-route-entry>
        <ospf-next-hop>
          <next-hop-name>....</next-hop-name>
          <next-hop-address>....</next-hop-address>
        </ospf-next-hop>
      </ospf-route-entry>
    </ospf-route>
  </ospf-topology-route-table>
</ospf-route-information>

```

#### Description

### <ospf-next-hop>

#### Usage

```

<ospf-backup-spf-node>
  <ospf-next-hop>
    <next-hop-name>....</next-hop-name>
    <next-hop-address>....</next-hop-address>
  </ospf-next-hop>
</ospf-backup-spf-node>

```

#### Description

### <ospf-next-hop>

#### Usage

```

<ospf-topology-area-backup-spf>
  <ospf-backup-spf-node>
    <ospf-next-hop>

```

```
<next-hop-name>....</next-hop-name>
<next-hop-address>....</next-hop-address>
</ospf-next-hop>
</ospf-backup-spf-node>
</ospf-topology-area-backup-spf>
```

#### Description

### <ospf-next-hop>

#### Usage

```
<ospf-topology-backup-spf>
<ospf-topology-area-backup-spf>
<ospf-backup-spf-node>
  <ospf-next-hop>
    <next-hop-name>....</next-hop-name>
    <next-hop-address>....</next-hop-address>
  </ospf-next-hop>
</ospf-backup-spf-node>
</ospf-topology-area-backup-spf>
</ospf-topology-backup-spf>
```

#### Description

### <ospf-next-hop>

#### Usage

```
<ospf-backup-spf-information>
<ospf-topology-backup-spf>
<ospf-topology-area-backup-spf>
<ospf-backup-spf-node>
  <ospf-next-hop>
    <next-hop-name>....</next-hop-name>
    <next-hop-address>....</next-hop-address>
  </ospf-next-hop>
</ospf-backup-spf-node>
</ospf-topology-area-backup-spf>
</ospf-topology-backup-spf>
</ospf-backup-spf-information>
```

#### Description

### <ospf-next-hop>

#### Usage

```
<ospf3-route>
<ospf3-route-entry>
  <ospf-next-hop>
    <next-hop-name>....</next-hop-name>
    <next-hop-address>....</next-hop-address>
  </ospf-next-hop>
</ospf3-route-entry>
```

```
</ospf3-route>
```

#### Description

**<ospf-next-hop>**

#### Usage

```
<ospf3-route-information>
  <ospf3-route>
    <ospf3-route-entry>
      <ospf-next-hop>
        <next-hop-name>....</next-hop-name>
        <next-hop-address>....</next-hop-address>
      </ospf-next-hop>
    </ospf3-route-entry>
  </ospf3-route>
</ospf3-route-information>
```

#### Description

**<ospf-next-hop>**

#### Usage

```
<ospf3-backup-spf-node>
  <ospf-next-hop>
    <next-hop-name>....</next-hop-name>
    <next-hop-address>....</next-hop-address>
  </ospf-next-hop>
</ospf3-backup-spf-node>
```

#### Description

**<ospf-next-hop>**

#### Usage

```
<ospf3-topology-area-backup-spf>
  <ospf3-backup-spf-node>
    <ospf-next-hop>
      <next-hop-name>....</next-hop-name>
      <next-hop-address>....</next-hop-address>
    </ospf-next-hop>
  </ospf3-backup-spf-node>
</ospf3-topology-area-backup-spf>
```

#### Description

**<ospf-next-hop>**

#### Usage

```
<ospf3-topology-backup-spf>
  <ospf3-topology-area-backup-spf>
    <ospf3-backup-spf-node>
```

```
<ospf-next-hop>
  <next-hop-name>....</next-hop-name>
  <next-hop-address>....</next-hop-address>
</ospf-next-hop>
</ospf3-backup-spf-node>
</ospf3-topology-area-backup-spf>
</ospf3-topology-backup-spf>
```

#### Description

#### <ospf-next-hop>

##### Usage

```
<ospf3-backup-spf-information>
  <ospf3-topology-backup-spf>
    <ospf3-topology-area-backup-spf>
      <ospf3-backup-spf-node>
        <ospf-next-hop>
          <next-hop-name>....</next-hop-name>
          <next-hop-address>....</next-hop-address>
        </ospf-next-hop>
      </ospf3-backup-spf-node>
    </ospf3-topology-area-backup-spf>
  </ospf3-topology-backup-spf>
</ospf3-backup-spf-information>
```

#### Description

#### <ospf-node-id>

##### Usage

```
<ospf-node-id>
  <advertising-router>
    advertising-router
  </advertising-router>
  <lsa-id>
    lsa-id
  </lsa-id>
</ospf-node-id>
```

**Description** OSPF node ID

#### <ospf-node-id>

##### Usage

```
<ospf-backup-spf-node>
  <ospf-node-id>
    <advertising-router>
      advertising-router
    </advertising-router>
  <lsa-id>
    lsa-id
```

```

    </lsa-id>
  </ospf-node-id>
</ospf-backup-spf-node>

```

**Description** OSPF node ID

### <ospf-node-id>

#### Usage

```

<ospf-topology-area-backup-spf>
  <ospf-backup-spf-node>
    <ospf-node-id>
      <advertising-router>
        advertising-router
      </advertising-router>
    <lsa-id>
      lsa-id
    </lsa-id>
  </ospf-node-id>
</ospf-backup-spf-node>
</ospf-topology-area-backup-spf>

```

**Description** OSPF node ID

### <ospf-node-id>

#### Usage

```

<ospf-topology-backup-spf>
  <ospf-topology-area-backup-spf>
    <ospf-backup-spf-node>
      <ospf-node-id>
        <advertising-router>
          advertising-router
        </advertising-router>
      <lsa-id>
        lsa-id
      </lsa-id>
    </ospf-node-id>
  </ospf-backup-spf-node>
</ospf-topology-area-backup-spf>
</ospf-topology-backup-spf>

```

**Description** OSPF node ID

### <ospf-node-id>

#### Usage

```

<ospf-backup-spf-information>
  <ospf-topology-backup-spf>
    <ospf-topology-area-backup-spf>
      <ospf-backup-spf-node>

```

```
<ospf-node-id>
  <advertising-router>
    advertising-router
  </advertising-router>
  <lsa-id>
    lsa-id
  </lsa-id>
</ospf-node-id>
</ospf-backup-spf-node>
</ospf-topology-area-backup-spf>
</ospf-topology-backup-spf>
</ospf-backup-spf-information>
```

**Description** OSPF node ID

### <ospf-node-id>

#### Usage

```
<ospf3-backup-spf-node>
  <ospf-node-id>
    <advertising-router>
      advertising-router
    </advertising-router>
    <lsa-id>
      lsa-id
    </lsa-id>
  </ospf-node-id>
</ospf3-backup-spf-node>
```

**Description** OSPF node ID

### <ospf-node-id>

#### Usage

```
<ospf3-topology-area-backup-spf>
  <ospf3-backup-spf-node>
    <ospf-node-id>
      <advertising-router>
        advertising-router
      </advertising-router>
      <lsa-id>
        lsa-id
      </lsa-id>
    </ospf-node-id>
  </ospf3-backup-spf-node>
</ospf3-topology-area-backup-spf>
```

**Description** OSPF node ID

**<ospf-node-id>****Usage**

```

<ospf3-topology-backup-spf>
  <ospf3-topology-area-backup-spf>
    <ospf3-backup-spf-node>
      <ospf-node-id>
        <advertising-router>
          advertising-router
        </advertising-router>
        <lsa-id>
          lsa-id
        </lsa-id>
      </ospf-node-id>
    </ospf3-backup-spf-node>
  </ospf3-topology-area-backup-spf>
</ospf3-topology-backup-spf>

```

**Description**    OSPF node ID

**<ospf-node-id>****Usage**

```

<ospf3-backup-spf-information>
  <ospf3-topology-backup-spf>
    <ospf3-topology-area-backup-spf>
      <ospf3-backup-spf-node>
        <ospf-node-id>
          <advertising-router>
            advertising-router
          </advertising-router>
          <lsa-id>
            lsa-id
          </lsa-id>
        </ospf-node-id>
      </ospf3-backup-spf-node>
    </ospf3-topology-area-backup-spf>
  </ospf3-topology-backup-spf>
</ospf3-backup-spf-information>

```

**Description**    OSPF node ID

**<ospf-opaque-area-lsa>****Usage**

```

<ospf-opaque-area-lsa>
  <tlv-block>.....</tlv-block>
  <te-subtlv>.....</te-subtlv>
</ospf-opaque-area-lsa>

```

**Description****<ospf-opaque-area-lsa>****Usage**

```
<ospf-database>
  <ospf-opaque-area-lsa>
    <tlv-block>.....</tlv-block>
    <te-subtlv>.....</te-subtlv>
  </ospf-opaque-area-lsa>
</ospf-database>
```

**Description****<ospf-opaque-area-lsa>****Usage**

```
<ospf-database-information>
  <ospf-database>
    <ospf-opaque-area-lsa>
      <tlv-block>.....</tlv-block>
      <te-subtlv>.....</te-subtlv>
    </ospf-opaque-area-lsa>
  </ospf-database>
</ospf-database-information>
```

**Description****<ospf-opaque-link-local-lsa>****Usage**

```
<ospf-opaque-link-local-lsa>
  <ospf-link-local-grace-lsa>.....</ospf-link-local-grace-lsa>
  <ospf-link-local-te-lsa>.....</ospf-link-local-te-lsa>
</ospf-opaque-link-local-lsa>
```

**Description****<ospf-opaque-link-local-lsa>****Usage**

```
<ospf-database>
  <ospf-opaque-link-local-lsa>
    <ospf-link-local-grace-lsa>.....</ospf-link-local-grace-lsa>
    <ospf-link-local-te-lsa>.....</ospf-link-local-te-lsa>
  </ospf-opaque-link-local-lsa>
</ospf-database>
```

**Description**



### <ospf-opaque-link-local-lsa>

#### Usage

```

<ospf-database-information>
  <ospf-database>
    <ospf-opaque-link-local-lsa>
      <ospf-link-local-grace-lsa>....</ospf-link-local-grace-lsa>
      <ospf-link-local-te-lsa>....</ospf-link-local-te-lsa>
    </ospf-opaque-link-local-lsa>
  </ospf-database>
</ospf-database-information>

```

#### Description

### <ospf-opaque-link-local-lsa>

#### Usage

```

<ospf3-database>
  <ospf-opaque-link-local-lsa>
    <ospf-link-local-grace-lsa>....</ospf-link-local-grace-lsa>
    <ospf-link-local-te-lsa>....</ospf-link-local-te-lsa>
  </ospf-opaque-link-local-lsa>
</ospf3-database>

```

#### Description

### <ospf-opaque-link-local-lsa>

#### Usage

```

<ospf3-database-information>
  <ospf3-database>
    <ospf-opaque-link-local-lsa>
      <ospf-link-local-grace-lsa>....</ospf-link-local-grace-lsa>
      <ospf-link-local-te-lsa>....</ospf-link-local-te-lsa>
    </ospf-opaque-link-local-lsa>
  </ospf3-database>
</ospf3-database-information>

```

#### Description

### <ospf-overview>

#### Usage

```

<ospf-overview>
  <instance-name>
    instance-name
  </instance-name>
  <ospf-router-id>
    ospf-router-id
  </ospf-router-id>
  <ospf-route-table-index>
    ospf-route-table-index

```

```
</ospf-route-table-index>
<ospf-configured-overload>
  ospf-configured-overload
</ospf-configured-overload>
<ospf-configured-overload-remaining-time>
  ospf-configured-overload-remaining-time
</ospf-configured-overload-remaining-time>
<ospf-abr>
  ospf-abr
</ospf-abr>
<ospf-asbr>
  ospf-asbr
</ospf-asbr>
<ospf-nssa-router>
  ospf-nssa-router
</ospf-nssa-router>
<ospf-lsa-refresh-time>
  ospf-lsa-refresh-time
</ospf-lsa-refresh-time>
<ospf-traffic-engineering>
  ospf-traffic-engineering
</ospf-traffic-engineering>
<ospf-restart>....</ospf-restart>
<ospf-restart-enabled>
  ospf-restart-enabled
</ospf-restart-enabled>
<ospf-restart-duration>
  ospf-restart-duration
</ospf-restart-duration>
<ospf-restart-grace-period>
  ospf-restart-grace-period
</ospf-restart-grace-period>
<ospf-standard-graceful-restart-helper-mode>
  ospf-standard-graceful-restart-helper-mode
</ospf-standard-graceful-restart-helper-mode>
<ospf-restart-signaling-helper-mode>
  ospf-restart-signaling-helper-mode
</ospf-restart-signaling-helper-mode>
<no-rfc-1583>
  no-rfc-1583
</no-rfc-1583>
<ospf-dna-uncapable>
  ospf-dna-uncapable
</ospf-dna-uncapable>
<ospf-as-dc-bit-clear-count>
  ospf-as-dc-bit-clear-count
</ospf-as-dc-bit-clear-count>
<ospf-area-dc-bit-clear-count>
  ospf-area-dc-bit-clear-count
</ospf-area-dc-bit-clear-count>
<ospf-area-indications-count>
  ospf-area-indications-count
</ospf-area-indications-count>
<ospf-link-dc-bit-clear-count>
  ospf-link-dc-bit-clear-count
</ospf-link-dc-bit-clear-count>
```

```

<tracing-information>....</tracing-information>
<ospf-db-protection-overview>....</ospf-db-protection-overview>
<ospf-area-overview>....</ospf-area-overview>
<ospf-topology-overview>....</ospf-topology-overview>
</ospf-overview>

```

**Description** Overview information for an OSPF instance

## <ospf-overview>

### Usage

```

<ospf-overview-information>
<ospf-overview>
  <instance-name>
    instance-name
  </instance-name>
  <ospf-router-id>
    ospf-router-id
  </ospf-router-id>
  <ospf-route-table-index>
    ospf-route-table-index
  </ospf-route-table-index>
  <ospf-configured-overload>
    ospf-configured-overload
  </ospf-configured-overload>
  <ospf-configured-overload-remaining-time>
    ospf-configured-overload-remaining-time
  </ospf-configured-overload-remaining-time>
  <ospf-abr>
    ospf-abr
  </ospf-abr>
  <ospf-asbr>
    ospf-asbr
  </ospf-asbr>
  <ospf-nssa-router>
    ospf-nssa-router
  </ospf-nssa-router>
  <ospf-lsa-refresh-time>
    ospf-lsa-refresh-time
  </ospf-lsa-refresh-time>
  <ospf-traffic-engineering>
    ospf-traffic-engineering
  </ospf-traffic-engineering>
  <ospf-restart>....</ospf-restart>
  <ospf-restart-enabled>
    ospf-restart-enabled
  </ospf-restart-enabled>
  <ospf-restart-duration>
    ospf-restart-duration
  </ospf-restart-duration>
  <ospf-restart-grace-period>
    ospf-restart-grace-period
  </ospf-restart-grace-period>
  <ospf-standard-graceful-restart-helper-mode>

```

```

    ospf-standard-graceful-restart-helper-mode
  </ospf-standard-graceful-restart-helper-mode>
  <ospf-restart-signaling-helper-mode>
    ospf-restart-signaling-helper-mode
  </ospf-restart-signaling-helper-mode>
  <no-rfc-1583>
    no-rfc-1583
  </no-rfc-1583>
  <ospf-dna-uncapable>
    ospf-dna-uncapable
  </ospf-dna-uncapable>
  <ospf-as-dc-bit-clear-count>
    ospf-as-dc-bit-clear-count
  </ospf-as-dc-bit-clear-count>
  <ospf-area-dc-bit-clear-count>
    ospf-area-dc-bit-clear-count
  </ospf-area-dc-bit-clear-count>
  <ospf-area-indications-count>
    ospf-area-indications-count
  </ospf-area-indications-count>
  <ospf-link-dc-bit-clear-count>
    ospf-link-dc-bit-clear-count
  </ospf-link-dc-bit-clear-count>
  <tracing-information>....</tracing-information>
  <ospf-db-protection-overview>....</ospf-db-protection-overview>
  <ospf-area-overview>....</ospf-area-overview>
  <ospf-topology-overview>....</ospf-topology-overview>
</ospf-overview>
</ospf-overview-information>

```

**Description** Overview information for an OSPF instance

## <ospf-overview>

### Usage

```

<ospf3-overview-information>
  <ospf-overview>
    <instance-name>
      instance-name
    </instance-name>
    <ospf-router-id>
      ospf-router-id
    </ospf-router-id>
    <ospf-route-table-index>
      ospf-route-table-index
    </ospf-route-table-index>
    <ospf-configured-overload>
      ospf-configured-overload
    </ospf-configured-overload>
    <ospf-configured-overload-remaining-time>
      ospf-configured-overload-remaining-time
    </ospf-configured-overload-remaining-time>
    <ospf-abr>
      ospf-abr

```

```
</ospf-abr>
<ospf-asbr>
  ospf-asbr
</ospf-asbr>
<ospf-nssa-router>
  ospf-nssa-router
</ospf-nssa-router>
<ospf-lsa-refresh-time>
  ospf-lsa-refresh-time
</ospf-lsa-refresh-time>
<ospf-traffic-engineering>
  ospf-traffic-engineering
</ospf-traffic-engineering>
<ospf-restart>....</ospf-restart>
<ospf-restart-enabled>
  ospf-restart-enabled
</ospf-restart-enabled>
<ospf-restart-duration>
  ospf-restart-duration
</ospf-restart-duration>
<ospf-restart-grace-period>
  ospf-restart-grace-period
</ospf-restart-grace-period>
<ospf-standard-graceful-restart-helper-mode>
  ospf-standard-graceful-restart-helper-mode
</ospf-standard-graceful-restart-helper-mode>
<ospf-restart-signaling-helper-mode>
  ospf-restart-signaling-helper-mode
</ospf-restart-signaling-helper-mode>
<no-rfc-1583>
  no-rfc-1583
</no-rfc-1583>
<ospf-dna-uncapable>
  ospf-dna-uncapable
</ospf-dna-uncapable>
<ospf-as-dc-bit-clear-count>
  ospf-as-dc-bit-clear-count
</ospf-as-dc-bit-clear-count>
<ospf-area-dc-bit-clear-count>
  ospf-area-dc-bit-clear-count
</ospf-area-dc-bit-clear-count>
<ospf-area-indications-count>
  ospf-area-indications-count
</ospf-area-indications-count>
<ospf-link-dc-bit-clear-count>
  ospf-link-dc-bit-clear-count
</ospf-link-dc-bit-clear-count>
<tracing-information>....</tracing-information>
<ospf-db-protection-overview>....</ospf-db-protection-overview>
<ospf-area-overview>....</ospf-area-overview>
<ospf-topology-overview>....</ospf-topology-overview>
</ospf-overview>
</ospf3-overview-information>
```

**Description** Overview information for an OSPF instance

### <ospf-overview-information>

**Usage**

```
<ospf-overview-information>
  <ospf-overview>....</ospf-overview>
</ospf-overview-information>
```

**Description**

### <ospf-parent-node-id>

**Usage**

```
<ospf-parent-node-id>
  <ospf-parent-advertising-router>
    ospf-parent-advertising-router
  </ospf-parent-advertising-router>
  <ospf-parent-lsa-id>
    ospf-parent-lsa-id
  </ospf-parent-lsa-id>
</ospf-parent-node-id>
```

**Description** OSPF parent node ID

### <ospf-parent-node-id>

**Usage**

```
<ospf-backup-spf-node>
  <ospf-parent-node-id>
    <ospf-parent-advertising-router>
      ospf-parent-advertising-router
    </ospf-parent-advertising-router>
    <ospf-parent-lsa-id>
      ospf-parent-lsa-id
    </ospf-parent-lsa-id>
  </ospf-parent-node-id>
</ospf-backup-spf-node>
```

**Description** OSPF parent node ID

### <ospf-parent-node-id>

**Usage**

```
<ospf-topology-area-backup-spf>
  <ospf-backup-spf-node>
    <ospf-parent-node-id>
      <ospf-parent-advertising-router>
        ospf-parent-advertising-router
      </ospf-parent-advertising-router>
    </ospf-parent-lsa-id>
```

```

    ospf-parent-lsa-id
  </ospf-parent-lsa-id>
</ospf-parent-node-id>
</ospf-backup-spf-node>
</ospf-topology-area-backup-spf>

```

**Description** OSPF parent node ID

### <ospf-parent-node-id>

#### Usage

```

<ospf-topology-backup-spf>
  <ospf-topology-area-backup-spf>
    <ospf-backup-spf-node>
      <ospf-parent-node-id>
        <ospf-parent-advertising-router>
          ospf-parent-advertising-router
        </ospf-parent-advertising-router>
      <ospf-parent-lsa-id>
        ospf-parent-lsa-id
      </ospf-parent-lsa-id>
    </ospf-parent-node-id>
  </ospf-backup-spf-node>
</ospf-topology-area-backup-spf>
</ospf-topology-backup-spf>

```

**Description** OSPF parent node ID

### <ospf-parent-node-id>

#### Usage

```

<ospf-backup-spf-information>
  <ospf-topology-backup-spf>
    <ospf-topology-area-backup-spf>
      <ospf-backup-spf-node>
        <ospf-parent-node-id>
          <ospf-parent-advertising-router>
            ospf-parent-advertising-router
          </ospf-parent-advertising-router>
        <ospf-parent-lsa-id>
          ospf-parent-lsa-id
        </ospf-parent-lsa-id>
      </ospf-parent-node-id>
    </ospf-backup-spf-node>
  </ospf-topology-area-backup-spf>
</ospf-topology-backup-spf>
</ospf-backup-spf-information>

```

**Description** OSPF parent node ID

### <ospf-parent-node-id>

#### Usage

```
<ospf3-backup-spf-node>
  <ospf-parent-node-id>
    <ospf-parent-advertising-router>
      ospf-parent-advertising-router
    </ospf-parent-advertising-router>
    <ospf-parent-lsa-id>
      ospf-parent-lsa-id
    </ospf-parent-lsa-id>
  </ospf-parent-node-id>
</ospf3-backup-spf-node>
```

**Description** OSPF parent node ID

### <ospf-parent-node-id>

#### Usage

```
<ospf3-topology-area-backup-spf>
  <ospf3-backup-spf-node>
    <ospf-parent-node-id>
      <ospf-parent-advertising-router>
        ospf-parent-advertising-router
      </ospf-parent-advertising-router>
      <ospf-parent-lsa-id>
        ospf-parent-lsa-id
      </ospf-parent-lsa-id>
    </ospf-parent-node-id>
  </ospf3-backup-spf-node>
</ospf3-topology-area-backup-spf>
```

**Description** OSPF parent node ID

### <ospf-parent-node-id>

#### Usage

```
<ospf3-topology-backup-spf>
  <ospf3-topology-area-backup-spf>
    <ospf3-backup-spf-node>
      <ospf-parent-node-id>
        <ospf-parent-advertising-router>
          ospf-parent-advertising-router
        </ospf-parent-advertising-router>
        <ospf-parent-lsa-id>
          ospf-parent-lsa-id
        </ospf-parent-lsa-id>
      </ospf-parent-node-id>
    </ospf3-backup-spf-node>
  </ospf3-topology-area-backup-spf>
</ospf3-topology-backup-spf>
```



**Description** OSPF parent node ID

### <ospf-parent-node-id>

#### Usage

```
<ospf3-backup-spf-information>
  <ospf3-topology-backup-spf>
    <ospf3-topology-area-backup-spf>
      <ospf3-backup-spf-node>
        <ospf-parent-node-id>
          <ospf-parent-advertising-router>
            ospf-parent-advertising-router
          </ospf-parent-advertising-router>
          <ospf-parent-lsa-id>
            ospf-parent-lsa-id
          </ospf-parent-lsa-id>
        </ospf-parent-node-id>
      </ospf3-backup-spf-node>
    </ospf3-topology-area-backup-spf>
  </ospf3-topology-backup-spf>
</ospf3-backup-spf-information>
```

**Description** OSPF parent node ID

### <ospf-restart>

#### Usage

```
<ospf-overview>
  <ospf-restart>
</ospf-restart>
</ospf-overview>
```

**Description** OSPF restart parameters

### <ospf-restart>

#### Usage

```
<ospf-overview-information>
  <ospf-overview>
    <ospf-restart>
</ospf-restart>
  </ospf-overview>
</ospf-overview-information>
```

**Description** OSPF restart parameters

### <ospf-restart>

#### Usage

```
<ospf3-overview-information>
```

```
<ospf-overview>
  <ospf-restart>
</ospf-restart>
</ospf-overview>
</ospf3-overview-information>
```

**Description** OSPF restart parameters

## <ospf-route>

### Usage

```
<ospf-route>
  <ospf-route-entry>....</ospf-route-entry>
</ospf-route>
```

### Description

## <ospf-route>

### Usage

```
<ospf-topology-route-table>
  <ospf-route>
    <ospf-route-entry>....</ospf-route-entry>
  </ospf-route>
</ospf-topology-route-table>
```

### Description

## <ospf-route>

### Usage

```
<ospf-route-information>
  <ospf-topology-route-table>
    <ospf-route>
      <ospf-route-entry>....</ospf-route-entry>
    </ospf-route>
  </ospf-topology-route-table>
</ospf-route-information>
```

### Description

## <ospf-route-entry>

### Usage

```
<ospf-route>
  <ospf-route-entry>
    <address-prefix>
      address-prefix
    </address-prefix>
    <route-path-type>
      route-path-type
```

```

</route-path-type>
<route-type>
  route-type
</route-type>
<next-hop-type>
  next-hop-type
</next-hop-type>
<interface-cost>
  interface-cost
</interface-cost>
<ospf-next-hop>....</ospf-next-hop>
<ospf-backup-next-hop>....</ospf-backup-next-hop>
<ospf-area>
  ospf-area
</ospf-area>
<optional-capability>
  optional-capability
</optional-capability>
<route-origin>
  route-origin
</route-origin>
<route-priority>
  route-priority
</route-priority>
<type7>
  type7
</type7>
<pbit>
  pbit
</pbit>
<forward-nz>
  forward-nz
</forward-nz>
</ospf-route-entry>
</ospf-route>

```

#### Description

#### <ospf-route-entry>

#### Usage

```

<ospf-topology-route-table>
<ospf-route>
  <ospf-route-entry>
    <address-prefix>
      address-prefix
    </address-prefix>
    <route-path-type>
      route-path-type
    </route-path-type>
    <route-type>
      route-type
    </route-type>
    <next-hop-type>
      next-hop-type

```

```
</next-hop-type>
<interface-cost>
  interface-cost
</interface-cost>
<ospf-next-hop>....</ospf-next-hop>
<ospf-backup-next-hop>....</ospf-backup-next-hop>
<ospf-area>
  ospf-area
</ospf-area>
<optional-capability>
  optional-capability
</optional-capability>
<route-origin>
  route-origin
</route-origin>
<route-priority>
  route-priority
</route-priority>
<type7>
  type7
</type7>
<pbit>
  pbit
</pbit>
<forward-nz>
  forward-nz
</forward-nz>
</ospf-route-entry>
</ospf-route>
</ospf-topology-route-table>
```

## Description

### <ospf-route-entry>

#### Usage

```
<ospf-route-information>
<ospf-topology-route-table>
<ospf-route>
  <ospf-route-entry>
    <address-prefix>
      address-prefix
    </address-prefix>
    <route-path-type>
      route-path-type
    </route-path-type>
    <route-type>
      route-type
    </route-type>
    <next-hop-type>
      next-hop-type
    </next-hop-type>
    <interface-cost>
      interface-cost
    </interface-cost>
```

```

<ospf-next-hop>....</ospf-next-hop>
<ospf-backup-next-hop>....</ospf-backup-next-hop>
<ospf-area>
  ospf-area
</ospf-area>
<optional-capability>
  optional-capability
</optional-capability>
<route-origin>
  route-origin
</route-origin>
<route-priority>
  route-priority
</route-priority>
<type7>
  type7
</type7>
<pbit>
  pbit
</pbit>
<forward-nz>
  forward-nz
</forward-nz>
</ospf-route-entry>
</ospf-route>
</ospf-topology-route-table>
</ospf-route-information>

```

#### Description

### <ospf-route-information>

#### Usage

```

<ospf-route-information>
  <ospf-topology-route-table>....</ospf-topology-route-table>
</ospf-route-information>

```

#### Description

### <ospf-router-link-topology>

#### Usage

```

<ospf-router-link-topology>
  <ospf-topology-name>
    ospf-topology-name
  </ospf-topology-name>
  <ospf-topology-id>
    ospf-topology-id
  </ospf-topology-id>
  <ospf-topology-metric>
    ospf-topology-metric
  </ospf-topology-metric>
</ospf-router-link-topology>

```

**Description** OSPF topology specific information for a router link

### <ospf-router-link-topology>

**Usage**

```
<ospf-router-lsa>
  <ospf-link>
    <ospf-router-link-topology>
      <ospf-topology-name>
        ospf-topology-name
      </ospf-topology-name>
      <ospf-topology-id>
        ospf-topology-id
      </ospf-topology-id>
      <ospf-topology-metric>
        ospf-topology-metric
      </ospf-topology-metric>
    </ospf-router-link-topology>
  </ospf-link>
</ospf-router-lsa>
```

**Description** OSPF topology specific information for a router link

### <ospf-router-link-topology>

**Usage**

```
<ospf-database>
  <ospf-router-lsa>
    <ospf-link>
      <ospf-router-link-topology>
        <ospf-topology-name>
          ospf-topology-name
        </ospf-topology-name>
        <ospf-topology-id>
          ospf-topology-id
        </ospf-topology-id>
        <ospf-topology-metric>
          ospf-topology-metric
        </ospf-topology-metric>
      </ospf-router-link-topology>
    </ospf-link>
  </ospf-router-lsa>
</ospf-database>
```

**Description** OSPF topology specific information for a router link

### <ospf-router-link-topology>

**Usage**

```
<ospf-database-information>
  <ospf-database>
    <ospf-router-lsa>
```

```

<ospf-link>
  <ospf-router-link-topology>
    <ospf-topology-name>
      ospf-topology-name
    </ospf-topology-name>
    <ospf-topology-id>
      ospf-topology-id
    </ospf-topology-id>
    <ospf-topology-metric>
      ospf-topology-metric
    </ospf-topology-metric>
  </ospf-router-link-topology>
</ospf-link>
</ospf-router-lsa>
</ospf-database>
</ospf-database-information>

```

**Description** OSPF topology specific information for a router link

## <ospf-router-lsa>

### Usage

```

<ospf-router-lsa>
  <bits>
    bits
  </bits>
  <link-count>
    link-count
  </link-count>
  <ospf-link>....</ospf-link>
  <ospf-lsa-topology>....</ospf-lsa-topology>
</ospf-router-lsa>

```

### Description

## <ospf-router-lsa>

### Usage

```

<ospf-database>
  <ospf-router-lsa>
    <bits>
      bits
    </bits>
    <link-count>
      link-count
    </link-count>
    <ospf-link>....</ospf-link>
    <ospf-lsa-topology>....</ospf-lsa-topology>
  </ospf-router-lsa>
</ospf-database>

```

### Description

## <ospf-router-lsa>

### Usage

```
<ospf-database-information>
  <ospf-database>
    <ospf-router-lsa>
      <bits>
        bits
      </bits>
      <link-count>
        link-count
      </link-count>
      <ospf-link>....</ospf-link>
      <ospf-lsa-topology>....</ospf-lsa-topology>
    </ospf-router-lsa>
  </ospf-database>
</ospf-database-information>
```

### Description

## <ospf-statistics>

### Usage

```
<ospf-statistics>
  <packet-statistics>....</packet-statistics>
  <dbds-retransmit>
    dbds-retransmit
  </dbds-retransmit>
  <dbds-retransmit-5seconds>
    dbds-retransmit-5seconds
  </dbds-retransmit-5seconds>
  <lsas-flooded>
    lsas-flooded
  </lsas-flooded>
  <lsas-flooded-5seconds>
    lsas-flooded-5seconds
  </lsas-flooded-5seconds>
  <lsas-high-prio-flooded>
    lsas-high-prio-flooded
  </lsas-high-prio-flooded>
  <lsas-high-prio-flooded-5seconds>
    lsas-high-prio-flooded-5seconds
  </lsas-high-prio-flooded-5seconds>
  <lsas-retransmit>
    lsas-retransmit
  </lsas-retransmit>
  <lsas-retransmit-5seconds>
    lsas-retransmit-5seconds
  </lsas-retransmit-5seconds>
  <lsas-nbr-transmit>
    lsas-nbr-transmit
  </lsas-nbr-transmit>
  <lsas-nbr-transmit-5seconds>
    lsas-nbr-transmit-5seconds
```



```

</lsas-nbr-transmit-5seconds>
<lsas-requested>
  lsas-requested
</lsas-requested>
<lsas-requested-5seconds>
  lsas-requested-5seconds
</lsas-requested-5seconds>
<lsas-acknowledged>
  lsas-acknowledged
</lsas-acknowledged>
<lsas-acknowledged-5seconds>
  lsas-acknowledged-5seconds
</lsas-acknowledged-5seconds>
<flood-queue-depth>
  flood-queue-depth
</flood-queue-depth>
<total-retransmits>
  total-retransmits
</total-retransmits>
<total-database-summaries>
  total-database-summaries
</total-database-summaries>
<total-linkstate-request>
  total-linkstate-request
</total-linkstate-request>
<ospf-errors>....</ospf-errors>
</ospf-statistics>

```

## Description

### <ospf-statistics>

#### Usage

```

<ospf-statistics-information>
<ospf-statistics>
  <packet-statistics>....</packet-statistics>
  <dbds-retransmit>
    dbds-retransmit
  </dbds-retransmit>
  <dbds-retransmit-5seconds>
    dbds-retransmit-5seconds
  </dbds-retransmit-5seconds>
  <lsas-flooded>
    lsas-flooded
  </lsas-flooded>
  <lsas-flooded-5seconds>
    lsas-flooded-5seconds
  </lsas-flooded-5seconds>
  <lsas-high-prio-flooded>
    lsas-high-prio-flooded
  </lsas-high-prio-flooded>
  <lsas-high-prio-flooded-5seconds>
    lsas-high-prio-flooded-5seconds
  </lsas-high-prio-flooded-5seconds>
  <lsas-retransmit>

```

```
    lsas-retransmit
  </lsas-retransmit>
  <lsas-retransmit-5seconds>
    lsas-retransmit-5seconds
  </lsas-retransmit-5seconds>
  <lsas-nbr-transmit>
    lsas-nbr-transmit
  </lsas-nbr-transmit>
  <lsas-nbr-transmit-5seconds>
    lsas-nbr-transmit-5seconds
  </lsas-nbr-transmit-5seconds>
  <lsas-requested>
    lsas-requested
  </lsas-requested>
  <lsas-requested-5seconds>
    lsas-requested-5seconds
  </lsas-requested-5seconds>
  <lsas-acknowledged>
    lsas-acknowledged
  </lsas-acknowledged>
  <lsas-acknowledged-5seconds>
    lsas-acknowledged-5seconds
  </lsas-acknowledged-5seconds>
  <flood-queue-depth>
    flood-queue-depth
  </flood-queue-depth>
  <total-retransmits>
    total-retransmits
  </total-retransmits>
  <total-database-summaries>
    total-database-summaries
  </total-database-summaries>
  <total-linkstate-request>
    total-linkstate-request
  </total-linkstate-request>
  <ospf-errors>....</ospf-errors>
</ospf-statistics>
</ospf-statistics-information>
```

## Description

### <ospf-statistics>

#### Usage

```
<ospf3-statistics-information>
  <ospf-statistics>
    <packet-statistics>....</packet-statistics>
    <dbds-retransmit>
      dbds-retransmit
    </dbds-retransmit>
    <dbds-retransmit-5seconds>
      dbds-retransmit-5seconds
    </dbds-retransmit-5seconds>
    <lsas-flooded>
      lsas-flooded
```

```

</lsas-flooded>
<lsas-flooded-5seconds>
  lsas-flooded-5seconds
</lsas-flooded-5seconds>
<lsas-high-prio-flooded>
  lsas-high-prio-flooded
</lsas-high-prio-flooded>
<lsas-high-prio-flooded-5seconds>
  lsas-high-prio-flooded-5seconds
</lsas-high-prio-flooded-5seconds>
<lsas-retransmit>
  lsas-retransmit
</lsas-retransmit>
<lsas-retransmit-5seconds>
  lsas-retransmit-5seconds
</lsas-retransmit-5seconds>
<lsas-nbr-transmit>
  lsas-nbr-transmit
</lsas-nbr-transmit>
<lsas-nbr-transmit-5seconds>
  lsas-nbr-transmit-5seconds
</lsas-nbr-transmit-5seconds>
<lsas-requested>
  lsas-requested
</lsas-requested>
<lsas-requested-5seconds>
  lsas-requested-5seconds
</lsas-requested-5seconds>
<lsas-acknowledged>
  lsas-acknowledged
</lsas-acknowledged>
<lsas-acknowledged-5seconds>
  lsas-acknowledged-5seconds
</lsas-acknowledged-5seconds>
<flood-queue-depth>
  flood-queue-depth
</flood-queue-depth>
<total-retransmits>
  total-retransmits
</total-retransmits>
<total-database-summaries>
  total-database-summaries
</total-database-summaries>
<total-linkstate-request>
  total-linkstate-request
</total-linkstate-request>
<ospf-errors>....</ospf-errors>
</ospf-statistics>
</ospf3-statistics-information>

```

## Description

## <ospf-statistics-information>

### Usage

```
<ospf-statistics-information>  
  <ospf-statistics>....</ospf-statistics>  
</ospf-statistics-information>
```

### Description

## <ospf-summary-lsa>

### Usage

```
<ospf-summary-lsa>  
  <address-mask>  
    address-mask  
  </address-mask>  
  <ospf-summary-lsa-topology>....</ospf-summary-lsa-topology>  
</ospf-summary-lsa>
```

### Description

## <ospf-summary-lsa>

### Usage

```
<ospf-database>  
  <ospf-summary-lsa>  
    <address-mask>  
      address-mask  
    </address-mask>  
    <ospf-summary-lsa-topology>....</ospf-summary-lsa-topology>  
  </ospf-summary-lsa>  
</ospf-database>
```

### Description

## <ospf-summary-lsa>

### Usage

```
<ospf-database-information>  
  <ospf-database>  
    <ospf-summary-lsa>  
      <address-mask>  
        address-mask  
      </address-mask>  
      <ospf-summary-lsa-topology>....</ospf-summary-lsa-topology>  
    </ospf-summary-lsa>  
  </ospf-database>  
</ospf-database-information>
```

### Description

**<ospf-summary-lsa-topology>****Usage**

```

<ospf-summary-lsa-topology>
  <ospf-topology-name>
    ospf-topology-name
  </ospf-topology-name>
  <ospf-topology-id>
    ospf-topology-id
  </ospf-topology-id>
  <ospf-topology-metric>
    ospf-topology-metric
  </ospf-topology-metric>
</ospf-summary-lsa-topology>

```

**Description** OSPF topology specific information for a summary LSA

**<ospf-summary-lsa-topology>****Usage**

```

<ospf-summary-lsa>
  <ospf-summary-lsa-topology>
    <ospf-topology-name>
      ospf-topology-name
    </ospf-topology-name>
    <ospf-topology-id>
      ospf-topology-id
    </ospf-topology-id>
    <ospf-topology-metric>
      ospf-topology-metric
    </ospf-topology-metric>
  </ospf-summary-lsa-topology>
</ospf-summary-lsa>

```

**Description** OSPF topology specific information for a summary LSA

**<ospf-summary-lsa-topology>****Usage**

```

<ospf-database>
  <ospf-summary-lsa>
    <ospf-summary-lsa-topology>
      <ospf-topology-name>
        ospf-topology-name
      </ospf-topology-name>
      <ospf-topology-id>
        ospf-topology-id
      </ospf-topology-id>
      <ospf-topology-metric>
        ospf-topology-metric
      </ospf-topology-metric>
    </ospf-summary-lsa-topology>
  </ospf-summary-lsa>
</ospf-database>

```

```
</ospf-summary-lsa>
</ospf-database>
```

**Description** OSPF topology specific information for a summary LSA

### <ospf-summary-lsa-topology>

#### Usage

```
<ospf-database-information>
<ospf-database>
  <ospf-summary-lsa>
    <ospf-summary-lsa-topology>
      <ospf-topology-name>
        ospf-topology-name
      </ospf-topology-name>
      <ospf-topology-id>
        ospf-topology-id
      </ospf-topology-id>
      <ospf-topology-metric>
        ospf-topology-metric
      </ospf-topology-metric>
    </ospf-summary-lsa-topology>
  </ospf-summary-lsa>
</ospf-database>
</ospf-database-information>
```

**Description** OSPF topology specific information for a summary LSA

### <ospf-topology-area-backup-neighbor>

#### Usage

```
<ospf-topology-area-backup-neighbor>
<ospf-area>
  ospf-area
</ospf-area>
<ospf-backup-neighbor-node>....</ospf-backup-neighbor-node>
</ospf-topology-area-backup-neighbor>
```

**Description** OSPF topology area specific backup neighbors

### <ospf-topology-area-backup-neighbor>

#### Usage

```
<ospf-topology-backup-neighbor>
<ospf-topology-area-backup-neighbor>
  <ospf-area>
    ospf-area
  </ospf-area>
  <ospf-backup-neighbor-node>....</ospf-backup-neighbor-node>
</ospf-topology-area-backup-neighbor>
```

</ospf-topology-backup-neighbor>

**Description** OSPF topology area specific backup neighbors

### <ospf-topology-area-backup-neighbor>

#### Usage

```
<ospf-backup-neighbor-information>
  <ospf-topology-backup-neighbor>
    <ospf-topology-area-backup-neighbor>
      <ospf-area>
        ospf-area
      </ospf-area>
      <ospf-backup-neighbor-node>....</ospf-backup-neighbor-node>
    </ospf-topology-area-backup-neighbor>
  </ospf-topology-backup-neighbor>
</ospf-backup-neighbor-information>
```

**Description** OSPF topology area specific backup neighbors

### <ospf-topology-area-backup-spf>

#### Usage

```
<ospf-topology-area-backup-spf>
  <ospf-area>
    ospf-area
  </ospf-area>
  <ospf-backup-spf-node>....</ospf-backup-spf-node>
</ospf-topology-area-backup-spf>
```

**Description** OSPF topology area specific backup SPF results

### <ospf-topology-area-backup-spf>

#### Usage

```
<ospf-topology-backup-spf>
  <ospf-topology-area-backup-spf>
    <ospf-area>
      ospf-area
    </ospf-area>
    <ospf-backup-spf-node>....</ospf-backup-spf-node>
  </ospf-topology-area-backup-spf>
</ospf-topology-backup-spf>
```

**Description** OSPF topology area specific backup SPF results

## <ospf-topology-area-backup-spf>

### Usage

```
<ospf-backup-spf-information>
  <ospf-topology-backup-spf>
    <ospf-topology-area-backup-spf>
      <ospf-area>
        ospf-area
      </ospf-area>
      <ospf-backup-spf-node>....</ospf-backup-spf-node>
    </ospf-topology-area-backup-spf>
  </ospf-topology-backup-spf>
</ospf-backup-spf-information>
```

**Description** OSPF topology area specific backup SPF results

## <ospf-topology-backup-coverage>

### Usage

```
<ospf-topology-backup-coverage>
  <ospf-topology-name>
    ospf-topology-name
  </ospf-topology-name>
  <ospf-backup-node-coverage>....</ospf-backup-node-coverage>
  <ospf-backup-route-coverage>....</ospf-backup-route-coverage>
</ospf-topology-backup-coverage>
```

### Description

## <ospf-topology-backup-coverage>

### Usage

```
<ospf-backup-coverage-information>
  <ospf-topology-backup-coverage>
    <ospf-topology-name>
      ospf-topology-name
    </ospf-topology-name>
    <ospf-backup-node-coverage>....</ospf-backup-node-coverage>
    <ospf-backup-route-coverage>....</ospf-backup-route-coverage>
  </ospf-topology-backup-coverage>
</ospf-backup-coverage-information>
```

### Description

## <ospf-topology-backup-neighbor>

### Usage

```
<ospf-topology-backup-neighbor>
  <ospf-topology-name>
    ospf-topology-name
  </ospf-topology-name>
  <ospf-topology-area-backup-neighbor>....</ospf-topology-area-backup-neighbor>
```



</ospf-topology-backup-neighbor>

**Description** OSPF topology specific backup neighbors

### <ospf-topology-backup-neighbor>

#### Usage

```
<ospf-backup-neighbor-information>
  <ospf-topology-backup-neighbor>
    <ospf-topology-name>
      ospf-topology-name
    </ospf-topology-name>

  <ospf-topology-area-backup-neighbor>....</ospf-topology-area-backup-neighbor>
  </ospf-topology-backup-neighbor>
</ospf-backup-neighbor-information>
```

**Description** OSPF topology specific backup neighbors

### <ospf-topology-backup-spf>

#### Usage

```
<ospf-topology-backup-spf>
  <ospf-topology-name>
    ospf-topology-name
  </ospf-topology-name>
  <ospf-topology-area-backup-spf>....</ospf-topology-area-backup-spf>
</ospf-topology-backup-spf>
```

**Description** OSPF topology specific backup SPF results

### <ospf-topology-backup-spf>

#### Usage

```
<ospf-backup-spf-information>
  <ospf-topology-backup-spf>
    <ospf-topology-name>
      ospf-topology-name
    </ospf-topology-name>
    <ospf-topology-area-backup-spf>....</ospf-topology-area-backup-spf>
  </ospf-topology-backup-spf>
</ospf-backup-spf-information>
```

**Description** OSPF topology specific backup SPF results

## <ospf-topology-log>

### Usage

```
<ospf-topology-log>
  <ospf-topology-name>
    ospf-topology-name
  </ospf-topology-name>
  <ospf-log-instance>....</ospf-log-instance>
  <ospf-log-maximum-length>....</ospf-log-maximum-length>
  <ospf-log-events>....</ospf-log-events>
</ospf-topology-log>
```

**Description** OSPF topology specific SPF log information

## <ospf-topology-log>

### Usage

```
<ospf-log-information>
  <ospf-topology-log>
    <ospf-topology-name>
      ospf-topology-name
    </ospf-topology-name>
    <ospf-log-instance>....</ospf-log-instance>
    <ospf-log-maximum-length>....</ospf-log-maximum-length>
    <ospf-log-events>....</ospf-log-events>
  </ospf-topology-log>
</ospf-log-information>
```

**Description** OSPF topology specific SPF log information

## <ospf-topology-overview>

### Usage

```
<ospf-topology-overview>
  <ospf-topology-name>
    ospf-topology-name
  </ospf-topology-name>
  <ospf-topology-id>
    ospf-topology-id
  </ospf-topology-id>
  <ospf-topology-configured-overload>
    ospf-topology-configured-overload
  </ospf-topology-configured-overload>
  <ospf-topology-dynamic-overload>
    ospf-topology-dynamic-overload
  </ospf-topology-dynamic-overload>
  <ospf-prefix-export-count>
    ospf-prefix-export-count
  </ospf-prefix-export-count>
  <ospf-prefix-export-limit>
    ospf-prefix-export-limit
  </ospf-prefix-export-limit>
```

```

<ospf-full-spf-count>
  ospf-full-spf-count
</ospf-full-spf-count>
<ospf-spf-delay>
  ospf-spf-delay
</ospf-spf-delay>
<ospf-spf-holddown>
  ospf-spf-holddown
</ospf-spf-holddown>
<ospf-spf-rapid-runs>
  ospf-spf-rapid-runs
</ospf-spf-rapid-runs>
<ospf-backup-spf-status>
  ospf-backup-spf-status
</ospf-backup-spf-status>
<ospf-backup-spf-downstream-only>
  ospf-backup-spf-downstream-only
</ospf-backup-spf-downstream-only>
<ospf-te-shortcuts>
  ospf-te-shortcuts
</ospf-te-shortcuts>
</ospf-topology-overview>

```

**Description** OSPF topology specific overview information

### <ospf-topology-overview>

#### Usage

```

<ospf-overview>
  <ospf-topology-overview>
    <ospf-topology-name>
      ospf-topology-name
    </ospf-topology-name>
    <ospf-topology-id>
      ospf-topology-id
    </ospf-topology-id>
    <ospf-topology-configured-overload>
      ospf-topology-configured-overload
    </ospf-topology-configured-overload>
    <ospf-topology-dynamic-overload>
      ospf-topology-dynamic-overload
    </ospf-topology-dynamic-overload>
    <ospf-prefix-export-count>
      ospf-prefix-export-count
    </ospf-prefix-export-count>
    <ospf-prefix-export-limit>
      ospf-prefix-export-limit
    </ospf-prefix-export-limit>
    <ospf-full-spf-count>
      ospf-full-spf-count
    </ospf-full-spf-count>
    <ospf-spf-delay>
      ospf-spf-delay
    </ospf-spf-delay>
  </ospf-topology-overview>

```

```
<ospf-spf-holddown>
  ospf-spf-holddown
</ospf-spf-holddown>
<ospf-spf-rapid-runs>
  ospf-spf-rapid-runs
</ospf-spf-rapid-runs>
<ospf-backup-spf-status>
  ospf-backup-spf-status
</ospf-backup-spf-status>
<ospf-backup-spf-downstream-only>
  ospf-backup-spf-downstream-only
</ospf-backup-spf-downstream-only>
<ospf-te-shortcuts>
  ospf-te-shortcuts
</ospf-te-shortcuts>
</ospf-topology-overview>
</ospf-overview>
```

**Description** OSPF topology specific overview information

### <ospf-topology-overview>

#### Usage

```
<ospf-overview-information>
<ospf-overview>
  <ospf-topology-overview>
    <ospf-topology-name>
      ospf-topology-name
    </ospf-topology-name>
    <ospf-topology-id>
      ospf-topology-id
    </ospf-topology-id>
    <ospf-topology-configured-overload>
      ospf-topology-configured-overload
    </ospf-topology-configured-overload>
    <ospf-topology-dynamic-overload>
      ospf-topology-dynamic-overload
    </ospf-topology-dynamic-overload>
    <ospf-prefix-export-count>
      ospf-prefix-export-count
    </ospf-prefix-export-count>
    <ospf-prefix-export-limit>
      ospf-prefix-export-limit
    </ospf-prefix-export-limit>
    <ospf-full-spf-count>
      ospf-full-spf-count
    </ospf-full-spf-count>
    <ospf-spf-delay>
      ospf-spf-delay
    </ospf-spf-delay>
    <ospf-spf-holddown>
      ospf-spf-holddown
    </ospf-spf-holddown>
    <ospf-spf-rapid-runs>
```

```

    ospf-spf-rapid-runs
  </ospf-spf-rapid-runs>
  <ospf-backup-spf-status>
    ospf-backup-spf-status
  </ospf-backup-spf-status>
  <ospf-backup-spf-downstream-only>
    ospf-backup-spf-downstream-only
  </ospf-backup-spf-downstream-only>
  <ospf-te-shortcuts>
    ospf-te-shortcuts
  </ospf-te-shortcuts>
</ospf-topology-overview>
</ospf-overview>
</ospf-overview-information>

```

**Description** OSPF topology specific overview information

### <ospf-topology-overview>

#### Usage

```

<ospf3-overview-information>
  <ospf-overview>
    <ospf-topology-overview>
      <ospf-topology-name>
        ospf-topology-name
      </ospf-topology-name>
      <ospf-topology-id>
        ospf-topology-id
      </ospf-topology-id>
      <ospf-topology-configured-overload>
        ospf-topology-configured-overload
      </ospf-topology-configured-overload>
      <ospf-topology-dynamic-overload>
        ospf-topology-dynamic-overload
      </ospf-topology-dynamic-overload>
      <ospf-prefix-export-count>
        ospf-prefix-export-count
      </ospf-prefix-export-count>
      <ospf-prefix-export-limit>
        ospf-prefix-export-limit
      </ospf-prefix-export-limit>
      <ospf-full-spf-count>
        ospf-full-spf-count
      </ospf-full-spf-count>
      <ospf-spf-delay>
        ospf-spf-delay
      </ospf-spf-delay>
      <ospf-spf-holddown>
        ospf-spf-holddown
      </ospf-spf-holddown>
      <ospf-spf-rapid-runs>
        ospf-spf-rapid-runs
      </ospf-spf-rapid-runs>
      <ospf-backup-spf-status>

```

```
    ospf-backup-spf-status
  </ospf-backup-spf-status>
  <ospf-backup-spf-downstream-only>
    ospf-backup-spf-downstream-only
  </ospf-backup-spf-downstream-only>
  <ospf-te-shortcuts>
    ospf-te-shortcuts
  </ospf-te-shortcuts>
</ospf-topology-overview>
</ospf-overview>
</ospf3-overview-information>
```

**Description** OSPF topology specific overview information

### <ospf-topology-route-table>

#### Usage

```
<ospf-topology-route-table>
  <ospf-topology-name>
    ospf-topology-name
  </ospf-topology-name>
  <ospf-route>....</ospf-route>
</ospf-topology-route-table>
```

**Description** OSPF topology specific routing table

### <ospf-topology-route-table>

#### Usage

```
<ospf-route-information>
  <ospf-topology-route-table>
    <ospf-topology-name>
      ospf-topology-name
    </ospf-topology-name>
    <ospf-route>....</ospf-route>
  </ospf-topology-route-table>
</ospf-route-information>
```

**Description** OSPF topology specific routing table

### <ospf3-area-header>

#### Usage

```
<ospf3-area-header>
  <ospf-area>
    ospf-area
  </ospf-area>
</ospf3-area-header>
```

**Description****<ospf3-area-header>****Usage**

```
<ospf3-database-information>
  <ospf3-area-header>
    <ospf-area>
      ospf-area
    </ospf-area>
  </ospf3-area-header>
</ospf3-database-information>
```

**Description****<ospf3-backup-coverage-information>****Usage**

```
<ospf3-backup-coverage-information>
  <ospf3-topology-backup-coverage>....</ospf3-topology-backup-coverage>
</ospf3-backup-coverage-information>
```

**Description** OSPFv3 backup coverage information

**<ospf3-backup-mpls>****Usage**

```
<ospf3-backup-mpls>
  <lsp-name>
    lsp-name
  </lsp-name>
  <lsp-addr>
    lsp-addr
  </lsp-addr>
  <lsp-status>
    lsp-status
  </lsp-status>
  <metric>
    metric
  </metric>
  <te-metric>
    te-metric
  </te-metric>
  <lsp-last-change>
    lsp-last-change
  </lsp-last-change>
</ospf3-backup-mpls>
```

**Description**

## <ospf3-backup-mpls>

### Usage

```
<ospf3-backup-mpls-information>
  <ospf3-backup-mpls>
    <lsp-name>
      lsp-name
    </lsp-name>
    <lsp-addr>
      lsp-addr
    </lsp-addr>
    <lsp-status>
      lsp-status
    </lsp-status>
    <metric>
      metric
    </metric>
    <te-metric>
      te-metric
    </te-metric>
    <lsp-last-change>
      lsp-last-change
    </lsp-last-change>
  </ospf3-backup-mpls>
</ospf3-backup-mpls-information>
```

### Description

## <ospf3-backup-mpls-information>

### Usage

```
<ospf3-backup-mpls-information>
  <ospf3-backup-mpls>....</ospf3-backup-mpls>
</ospf3-backup-mpls-information>
```

**Description** OSPFv3 backup MPLSP information

## <ospf3-backup-neighbor-information>

### Usage

```
<ospf3-backup-neighbor-information>
  <ospf3-topology-backup-neighbor>....</ospf3-topology-backup-neighbor>
</ospf3-backup-neighbor-information>
```

**Description** OSPFv3 backup neighbor information

## <ospf3-backup-neighbor-node>

### Usage

```
<ospf3-backup-neighbor-node>
  <ospf-backup-neighbor>
```



```

    ospf-backup-neighbor
  </ospf-backup-neighbor>
  <ospf-backup-neighbor-is-lsp-endpoint>
    ospf-backup-neighbor-is-lsp-endpoint
  </ospf-backup-neighbor-is-lsp-endpoint>
  <ospf-backup-neighbor-from-metric>
    ospf-backup-neighbor-from-metric
  </ospf-backup-neighbor-from-metric>
  <ospf-backup-neighbor-to-metric>
    ospf-backup-neighbor-to-metric
  </ospf-backup-neighbor-to-metric>
  <ospf-backup-next-hop>....</ospf-backup-next-hop>
</ospf3-backup-neighbor-node>

```

**Description** OSPFv3 backup neighbor node

### <ospf3-backup-neighbor-node>

#### Usage

```

<ospf3-topology-area-backup-neighbor>
  <ospf3-backup-neighbor-node>
    <ospf-backup-neighbor>
      ospf-backup-neighbor
    </ospf-backup-neighbor>
    <ospf-backup-neighbor-is-lsp-endpoint>
      ospf-backup-neighbor-is-lsp-endpoint
    </ospf-backup-neighbor-is-lsp-endpoint>
    <ospf-backup-neighbor-from-metric>
      ospf-backup-neighbor-from-metric
    </ospf-backup-neighbor-from-metric>
    <ospf-backup-neighbor-to-metric>
      ospf-backup-neighbor-to-metric
    </ospf-backup-neighbor-to-metric>
    <ospf-backup-next-hop>....</ospf-backup-next-hop>
  </ospf3-backup-neighbor-node>
</ospf3-topology-area-backup-neighbor>

```

**Description** OSPFv3 backup neighbor node

### <ospf3-backup-neighbor-node>

#### Usage

```

<ospf3-topology-backup-neighbor>
  <ospf3-topology-area-backup-neighbor>
    <ospf3-backup-neighbor-node>
      <ospf-backup-neighbor>
        ospf-backup-neighbor
      </ospf-backup-neighbor>
      <ospf-backup-neighbor-is-lsp-endpoint>
        ospf-backup-neighbor-is-lsp-endpoint
      </ospf-backup-neighbor-is-lsp-endpoint>
      <ospf-backup-neighbor-from-metric>

```

```
    ospf-backup-neighbor-from-metric
  </ospf-backup-neighbor-from-metric>
  <ospf-backup-neighbor-to-metric>
    ospf-backup-neighbor-to-metric
  </ospf-backup-neighbor-to-metric>
  <ospf-backup-next-hop>....</ospf-backup-next-hop>
</ospf3-backup-neighbor-node>
</ospf3-topology-area-backup-neighbor>
</ospf3-topology-backup-neighbor>
```

**Description** OSPFv3 backup neighbor node

### <ospf3-backup-neighbor-node>

#### Usage

```
<ospf3-backup-neighbor-information>
  <ospf3-topology-backup-neighbor>
    <ospf3-topology-area-backup-neighbor>
      <ospf3-backup-neighbor-node>
        <ospf-backup-neighbor>
          ospf-backup-neighbor
        </ospf-backup-neighbor>
        <ospf-backup-neighbor-is-lsp-endpoint>
          ospf-backup-neighbor-is-lsp-endpoint
        </ospf-backup-neighbor-is-lsp-endpoint>
        <ospf-backup-neighbor-from-metric>
          ospf-backup-neighbor-from-metric
        </ospf-backup-neighbor-from-metric>
        <ospf-backup-neighbor-to-metric>
          ospf-backup-neighbor-to-metric
        </ospf-backup-neighbor-to-metric>
        <ospf-backup-next-hop>....</ospf-backup-next-hop>
      </ospf3-backup-neighbor-node>
    </ospf3-topology-area-backup-neighbor>
  </ospf3-topology-backup-neighbor>
</ospf3-backup-neighbor-information>
```

**Description** OSPFv3 backup neighbor node

### <ospf3-backup-node-coverage>

#### Usage

```
<ospf3-backup-node-coverage>
  <ospf-area>
    ospf-area
  </ospf-area>
  <ospf-covered-nodes>
    ospf-covered-nodes
  </ospf-covered-nodes>
  <ospf-total-nodes>
    ospf-total-nodes
  </ospf-total-nodes>
```

```

<ospf-node-coverage>
  ospf-node-coverage
</ospf-node-coverage>
</ospf3-backup-node-coverage>

```

#### Description

### <ospf3-backup-node-coverage>

#### Usage

```

<ospf3-topology-backup-coverage>
  <ospf3-backup-node-coverage>
    <ospf-area>
      ospf-area
    </ospf-area>
    <ospf-covered-nodes>
      ospf-covered-nodes
    </ospf-covered-nodes>
    <ospf-total-nodes>
      ospf-total-nodes
    </ospf-total-nodes>
    <ospf-node-coverage>
      ospf-node-coverage
    </ospf-node-coverage>
  </ospf3-backup-node-coverage>
</ospf3-topology-backup-coverage>

```

#### Description

### <ospf3-backup-node-coverage>

#### Usage

```

<ospf3-backup-coverage-information>
  <ospf3-topology-backup-coverage>
    <ospf3-backup-node-coverage>
      <ospf-area>
        ospf-area
      </ospf-area>
      <ospf-covered-nodes>
        ospf-covered-nodes
      </ospf-covered-nodes>
      <ospf-total-nodes>
        ospf-total-nodes
      </ospf-total-nodes>
      <ospf-node-coverage>
        ospf-node-coverage
      </ospf-node-coverage>
    </ospf3-backup-node-coverage>
  </ospf3-topology-backup-coverage>
</ospf3-backup-coverage-information>

```

#### Description

## <ospf3-backup-route-coverage>

### Usage

```
<ospf3-backup-route-coverage>
  <ospf-path-type>
    ospf-path-type
  </ospf-path-type>
  <ospf-covered-routes>
    ospf-covered-routes
  </ospf-covered-routes>
  <ospf-total-routes>
    ospf-total-routes
  </ospf-total-routes>
  <ospf-route-coverage>
    ospf-route-coverage
  </ospf-route-coverage>
</ospf3-backup-route-coverage>
```

### Description

## <ospf3-backup-route-coverage>

### Usage

```
<ospf3-topology-backup-coverage>
  <ospf3-backup-route-coverage>
    <ospf-path-type>
      ospf-path-type
    </ospf-path-type>
    <ospf-covered-routes>
      ospf-covered-routes
    </ospf-covered-routes>
    <ospf-total-routes>
      ospf-total-routes
    </ospf-total-routes>
    <ospf-route-coverage>
      ospf-route-coverage
    </ospf-route-coverage>
  </ospf3-backup-route-coverage>
</ospf3-topology-backup-coverage>
```

### Description

## <ospf3-backup-route-coverage>

### Usage

```
<ospf3-backup-coverage-information>
  <ospf3-topology-backup-coverage>
    <ospf3-backup-route-coverage>
      <ospf-path-type>
        ospf-path-type
      </ospf-path-type>
      <ospf-covered-routes>
        ospf-covered-routes
      </ospf-covered-routes>
    </ospf3-backup-route-coverage>
  </ospf3-topology-backup-coverage>
</ospf3-backup-coverage-information>
```

```

</ospf-covered-routes>
<ospf-total-routes>
  ospf-total-routes
</ospf-total-routes>
<ospf-route-coverage>
  ospf-route-coverage
</ospf-route-coverage>
</ospf3-backup-route-coverage>
</ospf3-topology-backup-coverage>
</ospf3-backup-coverage-information>

```

#### Description

### <ospf3-backup-spf-information>

#### Usage

```

<ospf3-backup-spf-information>
  <ospf3-topology-backup-spf>....</ospf3-topology-backup-spf>
</ospf3-backup-spf-information>

```

**Description** OSPFv3 backup SPF information

### <ospf3-backup-spf-node>

#### Usage

```

<ospf3-backup-spf-node>
  <ospf-node-id>....</ospf-node-id>
  <lsa-id>
    lsa-id
  </lsa-id>
  <ospf-node-metric>
    ospf-node-metric
  </ospf-node-metric>
  <ospf-parent-node-id>....</ospf-parent-node-id>
  <ospf-next-hop>....</ospf-next-hop>
  <ospf-backup-next-hop>....</ospf-backup-next-hop>
  <ospf3-backup-spf-result>....</ospf3-backup-spf-result>
</ospf3-backup-spf-node>

```

**Description** OSPFv3 node specific backup SPF information

### <ospf3-backup-spf-node>

#### Usage

```

<ospf3-topology-area-backup-spf>
  <ospf3-backup-spf-node>
    <ospf-node-id>....</ospf-node-id>
    <lsa-id>
      lsa-id
    </lsa-id>
    <ospf-node-metric>

```

```
    ospf-node-metric
  </ospf-node-metric>
  <ospf-parent-node-id>....</ospf-parent-node-id>
  <ospf-next-hop>....</ospf-next-hop>
  <ospf-backup-next-hop>....</ospf-backup-next-hop>
  <ospf3-backup-spf-result>....</ospf3-backup-spf-result>
</ospf3-backup-spf-node>
</ospf3-topology-area-backup-spf>
```

**Description** OSPFv3 node specific backup SPF information

### <ospf3-backup-spf-node>

#### Usage

```
<ospf3-topology-backup-spf>
  <ospf3-topology-area-backup-spf>
    <ospf3-backup-spf-node>
      <ospf-node-id>....</ospf-node-id>
      <lsa-id>
        lsa-id
      </lsa-id>
      <ospf-node-metric>
        ospf-node-metric
      </ospf-node-metric>
      <ospf-parent-node-id>....</ospf-parent-node-id>
      <ospf-next-hop>....</ospf-next-hop>
      <ospf-backup-next-hop>....</ospf-backup-next-hop>
      <ospf3-backup-spf-result>....</ospf3-backup-spf-result>
    </ospf3-backup-spf-node>
  </ospf3-topology-area-backup-spf>
</ospf3-topology-backup-spf>
```

**Description** OSPFv3 node specific backup SPF information

### <ospf3-backup-spf-node>

#### Usage

```
<ospf3-backup-spf-information>
  <ospf3-topology-backup-spf>
    <ospf3-topology-area-backup-spf>
      <ospf3-backup-spf-node>
        <ospf-node-id>....</ospf-node-id>
        <lsa-id>
          lsa-id
        </lsa-id>
        <ospf-node-metric>
          ospf-node-metric
        </ospf-node-metric>
        <ospf-parent-node-id>....</ospf-parent-node-id>
        <ospf-next-hop>....</ospf-next-hop>
        <ospf-backup-next-hop>....</ospf-backup-next-hop>
        <ospf3-backup-spf-result>....</ospf3-backup-spf-result>
```

```

    </ospf3-backup-spf-node>
  </ospf3-topology-area-backup-spf>
</ospf3-topology-backup-spf>
</ospf3-backup-spf-information>

```

**Description** OSPFv3 node specific backup SPF information

### <ospf3-backup-spf-result>

#### Usage

```

<ospf3-backup-spf-result>
  <ospf-backup-neighbor>
    ospf-backup-neighbor
  </ospf-backup-neighbor>
  <ospf-backup-neighbor-is-lsp-endpoint>
    ospf-backup-neighbor-is-lsp-endpoint
  </ospf-backup-neighbor-is-lsp-endpoint>
  <ospf-backup-metric>
    ospf-backup-metric
  </ospf-backup-metric>
  <ospf-backup-neighbor-from-metric>
    ospf-backup-neighbor-from-metric
  </ospf-backup-neighbor-from-metric>
  <ospf-backup-neighbor-to-metric>
    ospf-backup-neighbor-to-metric
  </ospf-backup-neighbor-to-metric>
  <ospf-track-item>
    ospf-track-item
  </ospf-track-item>
  <ospf-backup-result-status>
    ospf-backup-result-status
  </ospf-backup-result-status>
  <ospf-backup-result-no-coverage-reason>
    ospf-backup-result-no-coverage-reason
  </ospf-backup-result-no-coverage-reason>
</ospf3-backup-spf-result>

```

**Description** OSPFv3 backup SPF result

### <ospf3-backup-spf-result>

#### Usage

```

<ospf3-backup-spf-node>
  <ospf3-backup-spf-result>
    <ospf-backup-neighbor>
      ospf-backup-neighbor
    </ospf-backup-neighbor>
    <ospf-backup-neighbor-is-lsp-endpoint>
      ospf-backup-neighbor-is-lsp-endpoint
    </ospf-backup-neighbor-is-lsp-endpoint>
    <ospf-backup-metric>
      ospf-backup-metric

```

```
</ospf-backup-metric>
<ospf-backup-neighbor-from-metric>
  ospf-backup-neighbor-from-metric
</ospf-backup-neighbor-from-metric>
<ospf-backup-neighbor-to-metric>
  ospf-backup-neighbor-to-metric
</ospf-backup-neighbor-to-metric>
<ospf-track-item>
  ospf-track-item
</ospf-track-item>
<ospf-backup-result-status>
  ospf-backup-result-status
</ospf-backup-result-status>
<ospf-backup-result-no-coverage-reason>
  ospf-backup-result-no-coverage-reason
</ospf-backup-result-no-coverage-reason>
</ospf3-backup-spf-result>
</ospf3-backup-spf-node>
```

**Description** OSPFv3 backup SPF result

### <ospf3-backup-spf-result>

#### Usage

```
<ospf3-topology-area-backup-spf>
<ospf3-backup-spf-node>
  <ospf3-backup-spf-result>
    <ospf-backup-neighbor>
      ospf-backup-neighbor
    </ospf-backup-neighbor>
    <ospf-backup-neighbor-is-lsp-endpoint>
      ospf-backup-neighbor-is-lsp-endpoint
    </ospf-backup-neighbor-is-lsp-endpoint>
    <ospf-backup-metric>
      ospf-backup-metric
    </ospf-backup-metric>
    <ospf-backup-neighbor-from-metric>
      ospf-backup-neighbor-from-metric
    </ospf-backup-neighbor-from-metric>
    <ospf-backup-neighbor-to-metric>
      ospf-backup-neighbor-to-metric
    </ospf-backup-neighbor-to-metric>
    <ospf-track-item>
      ospf-track-item
    </ospf-track-item>
    <ospf-backup-result-status>
      ospf-backup-result-status
    </ospf-backup-result-status>
    <ospf-backup-result-no-coverage-reason>
      ospf-backup-result-no-coverage-reason
    </ospf-backup-result-no-coverage-reason>
  </ospf3-backup-spf-result>
</ospf3-backup-spf-node>
```



```
</ospf3-topology-area-backup-spf>
```

**Description** OSPFv3 backup SPF result

### <ospf3-backup-spf-result>

#### Usage

```
<ospf3-topology-backup-spf>
  <ospf3-topology-area-backup-spf>
    <ospf3-backup-spf-node>
      <ospf3-backup-spf-result>
        <ospf-backup-neighbor>
          ospf-backup-neighbor
        </ospf-backup-neighbor>
        <ospf-backup-neighbor-is-lsp-endpoint>
          ospf-backup-neighbor-is-lsp-endpoint
        </ospf-backup-neighbor-is-lsp-endpoint>
        <ospf-backup-metric>
          ospf-backup-metric
        </ospf-backup-metric>
        <ospf-backup-neighbor-from-metric>
          ospf-backup-neighbor-from-metric
        </ospf-backup-neighbor-from-metric>
        <ospf-backup-neighbor-to-metric>
          ospf-backup-neighbor-to-metric
        </ospf-backup-neighbor-to-metric>
        <ospf-track-item>
          ospf-track-item
        </ospf-track-item>
        <ospf-backup-result-status>
          ospf-backup-result-status
        </ospf-backup-result-status>
        <ospf-backup-result-no-coverage-reason>
          ospf-backup-result-no-coverage-reason
        </ospf-backup-result-no-coverage-reason>
      </ospf3-backup-spf-result>
    </ospf3-backup-spf-node>
  </ospf3-topology-area-backup-spf>
</ospf3-topology-backup-spf>
```

**Description** OSPFv3 backup SPF result

### <ospf3-backup-spf-result>

#### Usage

```
<ospf3-backup-spf-information>
  <ospf3-topology-backup-spf>
    <ospf3-topology-area-backup-spf>
      <ospf3-backup-spf-node>
        <ospf3-backup-spf-result>
          <ospf-backup-neighbor>
            ospf-backup-neighbor
```

```
</ospf-backup-neighbor>
<ospf-backup-neighbor-is-lsp-endpoint>
  ospf-backup-neighbor-is-lsp-endpoint
</ospf-backup-neighbor-is-lsp-endpoint>
<ospf-backup-metric>
  ospf-backup-metric
</ospf-backup-metric>
<ospf-backup-neighbor-from-metric>
  ospf-backup-neighbor-from-metric
</ospf-backup-neighbor-from-metric>
<ospf-backup-neighbor-to-metric>
  ospf-backup-neighbor-to-metric
</ospf-backup-neighbor-to-metric>
<ospf-track-item>
  ospf-track-item
</ospf-track-item>
<ospf-backup-result-status>
  ospf-backup-result-status
</ospf-backup-result-status>
<ospf-backup-result-no-coverage-reason>
  ospf-backup-result-no-coverage-reason
</ospf-backup-result-no-coverage-reason>
</ospf3-backup-spf-result>
</ospf3-backup-spf-node>
</ospf3-topology-area-backup-spf>
</ospf3-topology-backup-spf>
</ospf3-backup-spf-information>
```

**Description** OSPFv3 backup SPF result

### <ospf3-database>

#### Usage

```
<ospf3-database>
  <lsa-type>
    lsa-type
  </lsa-type>
  <our-entry>
    our-entry
  </our-entry>
  <lsa-id>
    lsa-id
  </lsa-id>
  <advertising-router>
    advertising-router
  </advertising-router>
  <sequence-number>
    sequence-number
  </sequence-number>
  <age>
    age
  </age>
  <ospf-do-not-age>
    ospf-do-not-age
```

```

</ospf-do-not-age>
<checksum>
  checksum
</checksum>
<lsa-length>
  lsa-length
</lsa-length>
<ospf3-router-lsa>....</ospf3-router-lsa>
<ospf3-network-lsa>....</ospf3-network-lsa>
<ospf3-inter-area-prefix-lsa>....</ospf3-inter-area-prefix-lsa>
<ospf3-inter-area-router-lsa>....</ospf3-inter-area-router-lsa>
<ospf3-external-lsa>....</ospf3-external-lsa>
<ospf3-link-lsa>....</ospf3-link-lsa>
<ospf3-intra-area-prefix-lsa>....</ospf3-intra-area-prefix-lsa>
<ospf-database-extensive>....</ospf-database-extensive>
<ospf-opaque-link-local-lsa>....</ospf-opaque-link-local-lsa>
</ospf3-database>

```

## Description

### <ospf3-database>

#### Usage

```

<ospf3-database-information>
<ospf3-database>
  <lsa-type>
    lsa-type
  </lsa-type>
  <our-entry>
    our-entry
  </our-entry>
  <lsa-id>
    lsa-id
  </lsa-id>
  <advertising-router>
    advertising-router
  </advertising-router>
  <sequence-number>
    sequence-number
  </sequence-number>
  <age>
    age
  </age>
  <ospf-do-not-age>
    ospf-do-not-age
  </ospf-do-not-age>
  <checksum>
    checksum
  </checksum>
  <lsa-length>
    lsa-length
  </lsa-length>
  <ospf3-router-lsa>....</ospf3-router-lsa>
  <ospf3-network-lsa>....</ospf3-network-lsa>
  <ospf3-inter-area-prefix-lsa>....</ospf3-inter-area-prefix-lsa>

```

```
<ospf3-inter-area-router-lsa>....</ospf3-inter-area-router-lsa>
<ospf3-external-lsa>....</ospf3-external-lsa>
<ospf3-link-lsa>....</ospf3-link-lsa>
<ospf3-intra-area-prefix-lsa>....</ospf3-intra-area-prefix-lsa>
<ospf-database-extensive>....</ospf-database-extensive>
<ospf-opaque-link-local-lsa>....</ospf-opaque-link-local-lsa>
</ospf3-database>
</ospf3-database-information>
```

#### Description

### <ospf3-database-information>

#### Usage

```
<ospf3-database-information>
  <ospf3-area-header>....</ospf3-area-header>
  <ospf3-intf-header>....</ospf3-intf-header>
  <ospf3-database>....</ospf3-database>
  <ospf3-database-summary>....</ospf3-database-summary>
</ospf3-database-information>
```

#### Description

### <ospf3-database-replication-information>

#### Usage

```
<ospf3-database-replication-information>
  <ospf-database-replication>....</ospf-database-replication>
</ospf3-database-replication-information>
```

**Description** OSPFv3 LSA replication information

### <ospf3-database-summary>

#### Usage

```
<ospf3-database-summary>
  <ospf-area>
    ospf-area
  </ospf-area>
  <ospf-intf>
    ospf-intf
  </ospf-intf>
  <ospf-lsa-count>
    ospf-lsa-count
  </ospf-lsa-count>
  <ospf-lsa-type>
    ospf-lsa-type
  </ospf-lsa-type>
</ospf3-database-summary>
```

#### Description

**<ospf3-database-summary>****Usage**

```

<ospf3-database-information>
  <ospf3-database-summary>
    <ospf-area>
      ospf-area
    </ospf-area>
    <ospf-intf>
      ospf-intf
    </ospf-intf>
    <ospf-lsa-count>
      ospf-lsa-count
    </ospf-lsa-count>
    <ospf-lsa-type>
      ospf-lsa-type
    </ospf-lsa-type>
  </ospf3-database-summary>
</ospf3-database-information>

```

**Description****<ospf3-external-lsa>****Usage**

```

<ospf3-external-lsa>
  <ospf3-prefix>
    ospf3-prefix
  </ospf3-prefix>
  <ospf3-prefix-options>
    ospf3-prefix-options
  </ospf3-prefix-options>
  <type-value>
    type-value
  </type-value>
  <metric>
    metric
  </metric>
  <forward-address>
    forward-address
  </forward-address>
  <tag>
    tag
  </tag>
</ospf3-external-lsa>

```

**Description****<ospf3-external-lsa>****Usage**

```

<ospf3-database>
  <ospf3-external-lsa>

```

```
<ospf3-prefix>
  ospf3-prefix
</ospf3-prefix>
<ospf3-prefix-options>
  ospf3-prefix-options
</ospf3-prefix-options>
<type-value>
  type-value
</type-value>
<metric>
  metric
</metric>
<forward-address>
  forward-address
</forward-address>
<tag>
  tag
</tag>
</ospf3-external-lsa>
</ospf3-database>
```

#### Description

### <ospf3-external-lsa>

#### Usage

```
<ospf3-database-information>
<ospf3-database>
  <ospf3-external-lsa>
    <ospf3-prefix>
      ospf3-prefix
    </ospf3-prefix>
    <ospf3-prefix-options>
      ospf3-prefix-options
    </ospf3-prefix-options>
    <type-value>
      type-value
    </type-value>
    <metric>
      metric
    </metric>
    <forward-address>
      forward-address
    </forward-address>
    <tag>
      tag
    </tag>
  </ospf3-external-lsa>
</ospf3-database>
</ospf3-database-information>
```

#### Description

**<ospf3-instance-neighbor>****Usage**

```

<ospf3-neighbor-information-all>
  <ospf3-instance-neighbor>
    <ospf-instance-name>
      ospf-instance-name
    </ospf-instance-name>
    <ospf3-realm-neighbor>....</ospf3-realm-neighbor>
  </ospf3-instance-neighbor>
</ospf3-neighbor-information-all>

```

**Description** Information about OSPFv3 neighbors within this routing instance

**<ospf3-inter-area-prefix-lsa>****Usage**

```

<ospf3-inter-area-prefix-lsa>
  <ospf3-prefix>
    ospf3-prefix
  </ospf3-prefix>
  <ospf3-prefix-options>
    ospf3-prefix-options
  </ospf3-prefix-options>
  <metric>
    metric
  </metric>
</ospf3-inter-area-prefix-lsa>

```

**Description****<ospf3-inter-area-prefix-lsa>****Usage**

```

<ospf3-database>
  <ospf3-inter-area-prefix-lsa>
    <ospf3-prefix>
      ospf3-prefix
    </ospf3-prefix>
    <ospf3-prefix-options>
      ospf3-prefix-options
    </ospf3-prefix-options>
    <metric>
      metric
    </metric>
  </ospf3-inter-area-prefix-lsa>
</ospf3-database>

```

**Description**

### <ospf3-inter-area-prefix-lsa>

#### Usage

```
<ospf3-database-information>
  <ospf3-database>
    <ospf3-inter-area-prefix-lsa>
      <ospf3-prefix>
        ospf3-prefix
      </ospf3-prefix>
      <ospf3-prefix-options>
        ospf3-prefix-options
      </ospf3-prefix-options>
      <metric>
        metric
      </metric>
    </ospf3-inter-area-prefix-lsa>
  </ospf3-database>
</ospf3-database-information>
```

#### Description

### <ospf3-inter-area-router-lsa>

#### Usage

```
<ospf3-inter-area-router-lsa>
  <destination-router-id>
    destination-router-id
  </destination-router-id>
  <ospf3-options>
    ospf3-options
  </ospf3-options>
  <metric>
    metric
  </metric>
</ospf3-inter-area-router-lsa>
```

#### Description

### <ospf3-inter-area-router-lsa>

#### Usage

```
<ospf3-database>
  <ospf3-inter-area-router-lsa>
    <destination-router-id>
      destination-router-id
    </destination-router-id>
    <ospf3-options>
      ospf3-options
    </ospf3-options>
    <metric>
      metric
    </metric>
  </ospf3-inter-area-router-lsa>
```



```
</ospf3-database>
```

#### Description

### <ospf3-inter-area-router-lsa>

#### Usage

```
<ospf3-database-information>
  <ospf3-database>
    <ospf3-inter-area-router-lsa>
      <destination-router-id>
        destination-router-id
      </destination-router-id>
      <ospf3-options>
        ospf3-options
      </ospf3-options>
      <metric>
        metric
      </metric>
    </ospf3-inter-area-router-lsa>
  </ospf3-database>
</ospf3-database-information>
```

#### Description

### <ospf3-interface>

#### Usage

```
<ospf3-interface>
  <interface-name>
    interface-name
  </interface-name>
  <ospf-interface-state>
    ospf-interface-state
  </ospf-interface-state>
  <ospf-area>
    ospf-area
  </ospf-area>
  <dr-id>
    dr-id
  </dr-id>
  <bdr-id>
    bdr-id
  </bdr-id>
  <neighbor-count>
    neighbor-count
  </neighbor-count>
  <interface-address>
    interface-address
  </interface-address>
  <prefix-length>
    prefix-length
  </prefix-length>
</ospf3-interface-index>
```

```
    ospf3-interface-index
  </ospf3-interface-index>
  <interface-type>
    interface-type
  </interface-type>
  <mtu>
    mtu
  </mtu>
  <interface-cost>
    interface-cost
  </interface-cost>
  <virtual-link-transit-area>
    virtual-link-transit-area
  </virtual-link-transit-area>
  <virtual-link-destination>
    virtual-link-destination
  </virtual-link-destination>
  <dr-address>
    dr-address
  </dr-address>
  <bdr-address>
    bdr-address
  </bdr-address>
  <router-priority>
    router-priority
  </router-priority>
  <adj-count>
    adj-count
  </adj-count>
  <interface-secondary>
    interface-secondary
  </interface-secondary>
  <interface-flood-reduction>
    interface-flood-reduction
  </interface-flood-reduction>
  <passive>
    passive
  </passive>
  <hello-interval>
    hello-interval
  </hello-interval>
  <poll-interval>
    poll-interval
  </poll-interval>
  <dead-interval>
    dead-interval
  </dead-interval>
  <retransmit-interval>
    retransmit-interval
  </retransmit-interval>
  <ospf-stub-type>
    ospf-stub-type
  </ospf-stub-type>
  <ipsec-sa>
    ipsec-sa
  </ipsec-sa>
```

```

<ospf-interface-protection-type>
  ospf-interface-protection-type
</ospf-interface-protection-type>
<ospf-interface-no-eligible-backup>
  ospf-interface-no-eligible-backup
</ospf-interface-no-eligible-backup>
<igp-ldp-sync-holdtime>
  igp-ldp-sync-holdtime
</igp-ldp-sync-holdtime>
<igp-ldp-sync-state>
  igp-ldp-sync-state
</igp-ldp-sync-state>
<igp-ldp-sync-last-change>
  igp-ldp-sync-last-change
</igp-ldp-sync-last-change>
<igp-ldp-sync-reason>
  igp-ldp-sync-reason
</igp-ldp-sync-reason>
<igp-ldp-sync-timeleft>
  igp-ldp-sync-timeleft
</igp-ldp-sync-timeleft>
<ospf3-router-lsa-id>
  ospf3-router-lsa-id
</ospf3-router-lsa-id>
<interface-flood-list-count>
  interface-flood-list-count
</interface-flood-list-count>
<flood-list-count>
  flood-list-count
</flood-list-count>
<lsa-list>
  lsa-list
</lsa-list>
<interface-description-list>
  interface-description-list
</interface-description-list>
</ospf3-interface>

```

## Description

### <ospf3-interface>

#### Usage

```

<ospf3-interface-information>
  <ospf3-interface>
    <interface-name>
      interface-name
    </interface-name>
    <ospf-interface-state>
      ospf-interface-state
    </ospf-interface-state>
    <ospf-area>
      ospf-area
    </ospf-area>
    <dr-id>

```

```
    dr-id
  </dr-id>
  <bdr-id>
    bdr-id
  </bdr-id>
  <neighbor-count>
    neighbor-count
  </neighbor-count>
  <interface-address>
    interface-address
  </interface-address>
  <prefix-length>
    prefix-length
  </prefix-length>
  <ospf3-interface-index>
    ospf3-interface-index
  </ospf3-interface-index>
  <interface-type>
    interface-type
  </interface-type>
  <mtu>
    mtu
  </mtu>
  <interface-cost>
    interface-cost
  </interface-cost>
  <virtual-link-transit-area>
    virtual-link-transit-area
  </virtual-link-transit-area>
  <virtual-link-destination>
    virtual-link-destination
  </virtual-link-destination>
  <dr-address>
    dr-address
  </dr-address>
  <bdr-address>
    bdr-address
  </bdr-address>
  <router-priority>
    router-priority
  </router-priority>
  <adj-count>
    adj-count
  </adj-count>
  <interface-secondary>
    interface-secondary
  </interface-secondary>
  <interface-flood-reduction>
    interface-flood-reduction
  </interface-flood-reduction>
  <passive>
    passive
  </passive>
  <hello-interval>
    hello-interval
  </hello-interval>
```

```
<poll-interval>
  poll-interval
</poll-interval>
<dead-interval>
  dead-interval
</dead-interval>
<retransmit-interval>
  retransmit-interval
</retransmit-interval>
<ospf-stub-type>
  ospf-stub-type
</ospf-stub-type>
<ipsec-sa>
  ipsec-sa
</ipsec-sa>
<ospf-interface-protection-type>
  ospf-interface-protection-type
</ospf-interface-protection-type>
<ospf-interface-no-eligible-backup>
  ospf-interface-no-eligible-backup
</ospf-interface-no-eligible-backup>
<igp-ldp-sync-holdtime>
  igp-ldp-sync-holdtime
</igp-ldp-sync-holdtime>
<igp-ldp-sync-state>
  igp-ldp-sync-state
</igp-ldp-sync-state>
<igp-ldp-sync-last-change>
  igp-ldp-sync-last-change
</igp-ldp-sync-last-change>
<igp-ldp-sync-reason>
  igp-ldp-sync-reason
</igp-ldp-sync-reason>
<igp-ldp-sync-timeleft>
  igp-ldp-sync-timeleft
</igp-ldp-sync-timeleft>
<ospf3-router-lsa-id>
  ospf3-router-lsa-id
</ospf3-router-lsa-id>
<interface-flood-list-count>
  interface-flood-list-count
</interface-flood-list-count>
<flood-list-count>
  flood-list-count
</flood-list-count>
<lsa-list>
  lsa-list
</lsa-list>
<interface-description-list>
  interface-description-list
</interface-description-list>
</ospf3-interface>
</ospf3-interface-information>
```

**Description****<ospf3-interface-information>****Usage**

```
<ospf3-interface-information>
  <ospf3-interface>....</ospf3-interface>
</ospf3-interface-information>
```

**Description****<ospf3-interface-replication-information>****Usage**

```
<ospf3-interface-replication-information>
  <ospf-interface-replication>....</ospf-interface-replication>
</ospf3-interface-replication-information>
```

**Description** OSPFv3 interface replication information

**<ospf3-intf-header>****Usage**

```
<ospf3-intf-header>
  <ospf-intf>
    ospf-intf
  </ospf-intf>
  <ospf-area>
    ospf-area
  </ospf-area>
</ospf3-intf-header>
```

**Description****<ospf3-intf-header>****Usage**

```
<ospf3-database-information>
  <ospf3-intf-header>
    <ospf-intf>
      ospf-intf
    </ospf-intf>
    <ospf-area>
      ospf-area
    </ospf-area>
  </ospf3-intf-header>
</ospf3-database-information>
```

**Description**

## <ospf3-intra-area-prefix-lsa>

### Usage

```

<ospf3-intra-area-prefix-lsa>
  <reference-lsa-type>
    reference-lsa-type
  </reference-lsa-type>
  <reference-lsa-id>
    reference-lsa-id
  </reference-lsa-id>
  <reference-lsa-router-id>
    reference-lsa-router-id
  </reference-lsa-router-id>
  <prefix-count>
    prefix-count
  </prefix-count>
  <ospf3-prefix>
    ospf3-prefix
  </ospf3-prefix>
  <ospf3-prefix-options>
    ospf3-prefix-options
  </ospf3-prefix-options>
  <ospf3-prefix-metric>
    ospf3-prefix-metric
  </ospf3-prefix-metric>
</ospf3-intra-area-prefix-lsa>

```

### Description

## <ospf3-intra-area-prefix-lsa>

### Usage

```

<ospf3-database>
  <ospf3-intra-area-prefix-lsa>
    <reference-lsa-type>
      reference-lsa-type
    </reference-lsa-type>
    <reference-lsa-id>
      reference-lsa-id
    </reference-lsa-id>
    <reference-lsa-router-id>
      reference-lsa-router-id
    </reference-lsa-router-id>
    <prefix-count>
      prefix-count
    </prefix-count>
    <ospf3-prefix>
      ospf3-prefix
    </ospf3-prefix>
    <ospf3-prefix-options>
      ospf3-prefix-options
    </ospf3-prefix-options>
    <ospf3-prefix-metric>
      ospf3-prefix-metric

```

```
</ospf3-prefix-metric>
</ospf3-intra-area-prefix-lsa>
</ospf3-database>
```

#### Description

### <ospf3-intra-area-prefix-lsa>

#### Usage

```
<ospf3-database-information>
<ospf3-database>
  <ospf3-intra-area-prefix-lsa>
    <reference-lsa-type>
      reference-lsa-type
    </reference-lsa-type>
    <reference-lsa-id>
      reference-lsa-id
    </reference-lsa-id>
    <reference-lsa-router-id>
      reference-lsa-router-id
    </reference-lsa-router-id>
    <prefix-count>
      prefix-count
    </prefix-count>
    <ospf3-prefix>
      ospf3-prefix
    </ospf3-prefix>
    <ospf3-prefix-options>
      ospf3-prefix-options
    </ospf3-prefix-options>
    <ospf3-prefix-metric>
      ospf3-prefix-metric
    </ospf3-prefix-metric>
  </ospf3-intra-area-prefix-lsa>
</ospf3-database>
</ospf3-database-information>
```

#### Description

### <ospf3-io-statistics-information>

#### Usage

```
<ospf3-io-statistics-information>
  <ospf-io-statistics>....</ospf-io-statistics>
</ospf3-io-statistics-information>
```

#### Description

### <ospf3-link>

#### Usage

```
<ospf3-router-lsa>
  <ospf3-link>
```



```

<link-type-name>
  link-type-name
</link-type-name>
<link-type-value>
  link-type-value
</link-type-value>
<link-intf-id>
  link-intf-id
</link-intf-id>
<nbr-intf-id>
  nbr-intf-id
</nbr-intf-id>
<nbr-rtr-id>
  nbr-rtr-id
</nbr-rtr-id>
<link-metric>
  link-metric
</link-metric>
</ospf3-link>
</ospf3-router-lsa>

```

#### Description

#### <ospf3-link>

#### Usage

```

<ospf3-database>
<ospf3-router-lsa>
  <ospf3-link>
    <link-type-name>
      link-type-name
    </link-type-name>
    <link-type-value>
      link-type-value
    </link-type-value>
    <link-intf-id>
      link-intf-id
    </link-intf-id>
    <nbr-intf-id>
      nbr-intf-id
    </nbr-intf-id>
    <nbr-rtr-id>
      nbr-rtr-id
    </nbr-rtr-id>
    <link-metric>
      link-metric
    </link-metric>
  </ospf3-link>
</ospf3-router-lsa>
</ospf3-database>

```

#### Description

## <ospf3-link>

### Usage

```
<ospf3-database-information>
  <ospf3-database>
    <ospf3-router-lsa>
      <ospf3-link>
        <link-type-name>
          link-type-name
        </link-type-name>
        <link-type-value>
          link-type-value
        </link-type-value>
        <link-intf-id>
          link-intf-id
        </link-intf-id>
        <nbr-intf-id>
          nbr-intf-id
        </nbr-intf-id>
        <nbr-rtr-id>
          nbr-rtr-id
        </nbr-rtr-id>
        <link-metric>
          link-metric
        </link-metric>
      </ospf3-link>
    </ospf3-router-lsa>
  </ospf3-database>
</ospf3-database-information>
```

### Description

## <ospf3-link-lsa>

### Usage

```
<ospf3-link-lsa>
  <linklocal-address>
    linklocal-address
  </linklocal-address>
  <ospf3-options>
    ospf3-options
  </ospf3-options>
  <router-priority>
    router-priority
  </router-priority>
  <prefix-count>
    prefix-count
  </prefix-count>
  <ospf3-prefix>
    ospf3-prefix
  </ospf3-prefix>
  <ospf3-prefix-options>
    ospf3-prefix-options
  </ospf3-prefix-options>
```

```
</ospf3-link-lsa>
```

#### Description

**<ospf3-link-lsa>**

#### Usage

```
<ospf3-database>
  <ospf3-link-lsa>
    <linklocal-address>
      linklocal-address
    </linklocal-address>
    <ospf3-options>
      ospf3-options
    </ospf3-options>
    <router-priority>
      router-priority
    </router-priority>
    <prefix-count>
      prefix-count
    </prefix-count>
    <ospf3-prefix>
      ospf3-prefix
    </ospf3-prefix>
    <ospf3-prefix-options>
      ospf3-prefix-options
    </ospf3-prefix-options>
  </ospf3-link-lsa>
</ospf3-database>
```

#### Description

**<ospf3-link-lsa>**

#### Usage

```
<ospf3-database-information>
  <ospf3-database>
    <ospf3-link-lsa>
      <linklocal-address>
        linklocal-address
      </linklocal-address>
      <ospf3-options>
        ospf3-options
      </ospf3-options>
      <router-priority>
        router-priority
      </router-priority>
      <prefix-count>
        prefix-count
      </prefix-count>
      <ospf3-prefix>
        ospf3-prefix
      </ospf3-prefix>
      <ospf3-prefix-options>
```

```
    ospf3-prefix-options
  </ospf3-prefix-options>
</ospf3-link-lsa>
</ospf3-database>
</ospf3-database-information>
```

#### Description

### <ospf3-log-information>

#### Usage

```
<ospf3-log-information>
  <ospf-log-instance>....</ospf-log-instance>
  <ospf-log-maximum-length>....</ospf-log-maximum-length>
  <ospf-log-events>....</ospf-log-events>
</ospf3-log-information>
```

#### Description

### <ospf3-lsa-topology>

#### Usage

```
<ospf3-lsa-topology>
  <ospf-topology-name>
    ospf-topology-name
  </ospf-topology-name>
  <ospf-topology-id>
    ospf-topology-id
  </ospf-topology-id>
  <ospf-lsa-topology-link>....</ospf-lsa-topology-link>
  <ospf3-lsa-topology-link>....</ospf3-lsa-topology-link>
</ospf3-lsa-topology>
```

**Description** OSPFv3 topology information for a LSA

### <ospf3-lsa-topology>

#### Usage

```
<ospf3-router-lsa>
  <ospf3-lsa-topology>
    <ospf-topology-name>
      ospf-topology-name
    </ospf-topology-name>
    <ospf-topology-id>
      ospf-topology-id
    </ospf-topology-id>
    <ospf-lsa-topology-link>....</ospf-lsa-topology-link>
    <ospf3-lsa-topology-link>....</ospf3-lsa-topology-link>
  </ospf3-lsa-topology>
</ospf3-router-lsa>
```

**Description** OSPFv3 topology information for a LSA

### <ospf3-lsa-topology>

#### Usage

```
<ospf3-network-lsa>
  <ospf3-lsa-topology>
    <ospf-topology-name>
      ospf-topology-name
    </ospf-topology-name>
    <ospf-topology-id>
      ospf-topology-id
    </ospf-topology-id>
    <ospf-lsa-topology-link>....</ospf-lsa-topology-link>
    <ospf3-lsa-topology-link>....</ospf3-lsa-topology-link>
  </ospf3-lsa-topology>
</ospf3-network-lsa>
```

**Description** OSPFv3 topology information for a LSA

### <ospf3-lsa-topology>

#### Usage

```
<ospf3-database>
  <ospf3-router-lsa>
    <ospf3-lsa-topology>
      <ospf-topology-name>
        ospf-topology-name
      </ospf-topology-name>
      <ospf-topology-id>
        ospf-topology-id
      </ospf-topology-id>
      <ospf-lsa-topology-link>....</ospf-lsa-topology-link>
      <ospf3-lsa-topology-link>....</ospf3-lsa-topology-link>
    </ospf3-lsa-topology>
  </ospf3-router-lsa>
</ospf3-database>
```

**Description** OSPFv3 topology information for a LSA

### <ospf3-lsa-topology>

#### Usage

```
<ospf3-database>
  <ospf3-network-lsa>
    <ospf3-lsa-topology>
      <ospf-topology-name>
        ospf-topology-name
      </ospf-topology-name>
      <ospf-topology-id>
        ospf-topology-id
      </ospf-topology-id>
```

```
<ospf-lsa-topology-link>....</ospf-lsa-topology-link>
<ospf3-lsa-topology-link>....</ospf3-lsa-topology-link>
</ospf3-lsa-topology>
</ospf3-network-lsa>
</ospf3-database>
```

**Description** OSPFv3 topology information for a LSA

### <ospf3-lsa-topology>

#### Usage

```
<ospf3-database-information>
<ospf3-database>
<ospf3-router-lsa>
<ospf3-lsa-topology>
<ospf-topology-name>
  ospf-topology-name
</ospf-topology-name>
<ospf-topology-id>
  ospf-topology-id
</ospf-topology-id>
<ospf-lsa-topology-link>....</ospf-lsa-topology-link>
<ospf3-lsa-topology-link>....</ospf3-lsa-topology-link>
</ospf3-lsa-topology>
</ospf3-router-lsa>
</ospf3-database>
</ospf3-database-information>
```

**Description** OSPFv3 topology information for a LSA

### <ospf3-lsa-topology>

#### Usage

```
<ospf3-database-information>
<ospf3-database>
<ospf3-network-lsa>
<ospf3-lsa-topology>
<ospf-topology-name>
  ospf-topology-name
</ospf-topology-name>
<ospf-topology-id>
  ospf-topology-id
</ospf-topology-id>
<ospf-lsa-topology-link>....</ospf-lsa-topology-link>
<ospf3-lsa-topology-link>....</ospf3-lsa-topology-link>
</ospf3-lsa-topology>
</ospf3-network-lsa>
</ospf3-database>
</ospf3-database-information>
```

**Description** OSPFv3 topology information for a LSA

### <ospf3-lsa-topology-link>

#### Usage

```

<ospf3-lsa-topology-link>
  <link-type-name>
    link-type-name
  </link-type-name>
  <ospf-lsa-topology-link-node-id>
    ospf-lsa-topology-link-node-id
  </ospf-lsa-topology-link-node-id>
  <ospf-lsa-topology-link-metric>
    ospf-lsa-topology-link-metric
  </ospf-lsa-topology-link-metric>
  <ospf-lsa-topology-link-state>
    ospf-lsa-topology-link-state
  </ospf-lsa-topology-link-state>
</ospf3-lsa-topology-link>

```

**Description** OSPFv3 topology information for a set of links to a LSA

### <ospf3-lsa-topology-link>

#### Usage

```

<ospf3-lsa-topology>
  <ospf3-lsa-topology-link>
    <link-type-name>
      link-type-name
    </link-type-name>
    <ospf-lsa-topology-link-node-id>
      ospf-lsa-topology-link-node-id
    </ospf-lsa-topology-link-node-id>
    <ospf-lsa-topology-link-metric>
      ospf-lsa-topology-link-metric
    </ospf-lsa-topology-link-metric>
    <ospf-lsa-topology-link-state>
      ospf-lsa-topology-link-state
    </ospf-lsa-topology-link-state>
  </ospf3-lsa-topology-link>
</ospf3-lsa-topology>

```

**Description** OSPFv3 topology information for a set of links to a LSA

### <ospf3-lsa-topology-link>

#### Usage

```

<ospf3-router-lsa>
  <ospf3-lsa-topology>
    <ospf3-lsa-topology-link>
      <link-type-name>
        link-type-name
      </link-type-name>
      <ospf-lsa-topology-link-node-id>

```

```
    ospf-lsa-topology-link-node-id
  </ospf-lsa-topology-link-node-id>
  <ospf-lsa-topology-link-metric>
    ospf-lsa-topology-link-metric
  </ospf-lsa-topology-link-metric>
  <ospf-lsa-topology-link-state>
    ospf-lsa-topology-link-state
  </ospf-lsa-topology-link-state>
</ospf3-lsa-topology-link>
</ospf3-lsa-topology>
</ospf3-router-lsa>
```

**Description** OSPFv3 topology information for a set of links to a LSA

### <ospf3-lsa-topology-link>

#### Usage

```
<ospf3-network-lsa>
  <ospf3-lsa-topology>
    <ospf3-lsa-topology-link>
      <link-type-name>
        link-type-name
      </link-type-name>
      <ospf-lsa-topology-link-node-id>
        ospf-lsa-topology-link-node-id
      </ospf-lsa-topology-link-node-id>
      <ospf-lsa-topology-link-metric>
        ospf-lsa-topology-link-metric
      </ospf-lsa-topology-link-metric>
      <ospf-lsa-topology-link-state>
        ospf-lsa-topology-link-state
      </ospf-lsa-topology-link-state>
    </ospf3-lsa-topology-link>
  </ospf3-lsa-topology>
</ospf3-network-lsa>
```

**Description** OSPFv3 topology information for a set of links to a LSA

### <ospf3-lsa-topology-link>

#### Usage

```
<ospf3-database>
  <ospf3-router-lsa>
    <ospf3-lsa-topology>
      <ospf3-lsa-topology-link>
        <link-type-name>
          link-type-name
        </link-type-name>
        <ospf-lsa-topology-link-node-id>
          ospf-lsa-topology-link-node-id
        </ospf-lsa-topology-link-node-id>
        <ospf-lsa-topology-link-metric>
```



```

        ospf-lsa-topology-link-metric
      </ospf-lsa-topology-link-metric>
    <ospf-lsa-topology-link-state>
      ospf-lsa-topology-link-state
    </ospf-lsa-topology-link-state>
  </ospf3-lsa-topology-link>
</ospf3-lsa-topology>
</ospf3-router-lsa>
</ospf3-database>

```

**Description** OSPFv3 topology information for a set of links to a LSA

### <ospf3-lsa-topology-link>

#### Usage

```

<ospf3-database>
  <ospf3-network-lsa>
    <ospf3-lsa-topology>
      <ospf3-lsa-topology-link>
        <link-type-name>
          link-type-name
        </link-type-name>
        <ospf-lsa-topology-link-node-id>
          ospf-lsa-topology-link-node-id
        </ospf-lsa-topology-link-node-id>
        <ospf-lsa-topology-link-metric>
          ospf-lsa-topology-link-metric
        </ospf-lsa-topology-link-metric>
        <ospf-lsa-topology-link-state>
          ospf-lsa-topology-link-state
        </ospf-lsa-topology-link-state>
      </ospf3-lsa-topology-link>
    </ospf3-lsa-topology>
  </ospf3-network-lsa>
</ospf3-database>

```

**Description** OSPFv3 topology information for a set of links to a LSA

### <ospf3-lsa-topology-link>

#### Usage

```

<ospf3-database-information>
  <ospf3-database>
    <ospf3-router-lsa>
      <ospf3-lsa-topology>
        <ospf3-lsa-topology-link>
          <link-type-name>
            link-type-name
          </link-type-name>
          <ospf-lsa-topology-link-node-id>
            ospf-lsa-topology-link-node-id
          </ospf-lsa-topology-link-node-id>

```

```
<ospf-lsa-topology-link-metric>
  ospf-lsa-topology-link-metric
</ospf-lsa-topology-link-metric>
<ospf-lsa-topology-link-state>
  ospf-lsa-topology-link-state
</ospf-lsa-topology-link-state>
</ospf3-lsa-topology-link>
</ospf3-lsa-topology>
</ospf3-router-lsa>
</ospf3-database>
</ospf3-database-information>
```

**Description** OSPFv3 topology information for a set of links to a LSA

### <ospf3-lsa-topology-link>

#### Usage

```
<ospf3-database-information>
<ospf3-database>
  <ospf3-network-lsa>
    <ospf3-lsa-topology>
      <ospf3-lsa-topology-link>
        <link-type-name>
          link-type-name
        </link-type-name>
        <ospf-lsa-topology-link-node-id>
          ospf-lsa-topology-link-node-id
        </ospf-lsa-topology-link-node-id>
        <ospf-lsa-topology-link-metric>
          ospf-lsa-topology-link-metric
        </ospf-lsa-topology-link-metric>
        <ospf-lsa-topology-link-state>
          ospf-lsa-topology-link-state
        </ospf-lsa-topology-link-state>
      </ospf3-lsa-topology-link>
    </ospf3-lsa-topology>
  </ospf3-network-lsa>
</ospf3-database>
</ospf3-database-information>
```

**Description** OSPFv3 topology information for a set of links to a LSA

### <ospf3-neighbor>

#### Usage

```
<ospf3-neighbor>
  <neighbor-id>
    neighbor-id
  </neighbor-id>
  <interface-name>
    interface-name
  </interface-name>
```

```
<ospf-neighbor-state>
  ospf-neighbor-state
</ospf-neighbor-state>
<neighbor-priority>
  neighbor-priority
</neighbor-priority>
<activity-timer>
  activity-timer
</activity-timer>
<neighbor-address>
  neighbor-address
</neighbor-address>
<ospf-area>
  ospf-area
</ospf-area>
<options>
  options
</options>
<neighbor-secondary>
  neighbor-secondary
</neighbor-secondary>
<ospf3-interface-index>
  ospf3-interface-index
</ospf3-interface-index>
<neighbor-cost>
  neighbor-cost
</neighbor-cost>
<dr-id>
  dr-id
</dr-id>
<bdr-id>
  bdr-id
</bdr-id>
<neighbor-up-time>
  neighbor-up-time
</neighbor-up-time>
<neighbor-adjacency-time>
  neighbor-adjacency-time
</neighbor-adjacency-time>
<neighbor-suppress-hello>
  neighbor-suppress-hello
</neighbor-suppress-hello>
<master-slave>
  master-slave
</master-slave>
<sequence-number>
  sequence-number
</sequence-number>
<dbd-retransmit-time>
  dbd-retransmit-time
</dbd-retransmit-time>
<lsreq-retransmit-time>
  lsreq-retransmit-time
</lsreq-retransmit-time>
<lsreq-enqueued>
  lsreq-enqueued
```

```
</lsreq-enqueued>
<lsreq-active>
  lsreq-active
</lsreq-active>
<lsa-list>
  lsa-list
</lsa-list>
</ospf3-neighbor>
```

## Description

### <ospf3-neighbor>

#### Usage

```
<ospf3-neighbor-information>
  <ospf3-neighbor>
    <neighbor-id>
      neighbor-id
    </neighbor-id>
    <interface-name>
      interface-name
    </interface-name>
    <ospf-neighbor-state>
      ospf-neighbor-state
    </ospf-neighbor-state>
    <neighbor-priority>
      neighbor-priority
    </neighbor-priority>
    <activity-timer>
      activity-timer
    </activity-timer>
    <neighbor-address>
      neighbor-address
    </neighbor-address>
    <ospf-area>
      ospf-area
    </ospf-area>
    <options>
      options
    </options>
    <neighbor-secondary>
      neighbor-secondary
    </neighbor-secondary>
    <ospf3-interface-index>
      ospf3-interface-index
    </ospf3-interface-index>
    <neighbor-cost>
      neighbor-cost
    </neighbor-cost>
    <dr-id>
      dr-id
    </dr-id>
    <bdr-id>
      bdr-id
    </bdr-id>
```

```

<neighbor-up-time>
  neighbor-up-time
</neighbor-up-time>
<neighbor-adjacency-time>
  neighbor-adjacency-time
</neighbor-adjacency-time>
<neighbor-suppress-hello>
  neighbor-suppress-hello
</neighbor-suppress-hello>
<master-slave>
  master-slave
</master-slave>
<sequence-number>
  sequence-number
</sequence-number>
<dbd-retransmit-time>
  dbd-retransmit-time
</dbd-retransmit-time>
<lsreq-retransmit-time>
  lsreq-retransmit-time
</lsreq-retransmit-time>
<lsreq-enqueued>
  lsreq-enqueued
</lsreq-enqueued>
<lsreq-active>
  lsreq-active
</lsreq-active>
<lsa-list>
  lsa-list
</lsa-list>
</ospf3-neighbor>
</ospf3-neighbor-information>

```

## Description

### <ospf3-neighbor>

#### Usage

```

<ospf3-realm-neighbor>
<ospf3-neighbor>
  <neighbor-id>
    neighbor-id
  </neighbor-id>
  <interface-name>
    interface-name
  </interface-name>
  <ospf-neighbor-state>
    ospf-neighbor-state
  </ospf-neighbor-state>
  <neighbor-priority>
    neighbor-priority
  </neighbor-priority>
  <activity-timer>
    activity-timer
  </activity-timer>

```

```
<neighbor-address>
  neighbor-address
</neighbor-address>
<ospf-area>
  ospf-area
</ospf-area>
<options>
  options
</options>
<neighbor-secondary>
  neighbor-secondary
</neighbor-secondary>
<ospf3-interface-index>
  ospf3-interface-index
</ospf3-interface-index>
<neighbor-cost>
  neighbor-cost
</neighbor-cost>
<dr-id>
  dr-id
</dr-id>
<bdr-id>
  bdr-id
</bdr-id>
<neighbor-up-time>
  neighbor-up-time
</neighbor-up-time>
<neighbor-adjacency-time>
  neighbor-adjacency-time
</neighbor-adjacency-time>
<neighbor-suppress-hello>
  neighbor-suppress-hello
</neighbor-suppress-hello>
<master-slave>
  master-slave
</master-slave>
<sequence-number>
  sequence-number
</sequence-number>
<dbd-retransmit-time>
  dbd-retransmit-time
</dbd-retransmit-time>
<lsreq-retransmit-time>
  lsreq-retransmit-time
</lsreq-retransmit-time>
<lsreq-enqueued>
  lsreq-enqueued
</lsreq-enqueued>
<lsreq-active>
  lsreq-active
</lsreq-active>
<lsa-list>
  lsa-list
</lsa-list>
</ospf3-neighbor>
```

```
</ospf3-realm-neighbor>
```

## Description

### <ospf3-neighbor>

#### Usage

```
<ospf3-neighbor-information-all>
  <ospf3-instance-neighbor>
    <ospf3-realm-neighbor>
      <ospf3-neighbor>
        <neighbor-id>
          neighbor-id
        </neighbor-id>
        <interface-name>
          interface-name
        </interface-name>
        <ospf-neighbor-state>
          ospf-neighbor-state
        </ospf-neighbor-state>
        <neighbor-priority>
          neighbor-priority
        </neighbor-priority>
        <activity-timer>
          activity-timer
        </activity-timer>
        <neighbor-address>
          neighbor-address
        </neighbor-address>
        <ospf-area>
          ospf-area
        </ospf-area>
        <options>
          options
        </options>
        <neighbor-secondary>
          neighbor-secondary
        </neighbor-secondary>
        <ospf3-interface-index>
          ospf3-interface-index
        </ospf3-interface-index>
        <neighbor-cost>
          neighbor-cost
        </neighbor-cost>
        <dr-id>
          dr-id
        </dr-id>
        <bdr-id>
          bdr-id
        </bdr-id>
        <neighbor-up-time>
          neighbor-up-time
        </neighbor-up-time>
        <neighbor-adjacency-time>
          neighbor-adjacency-time
```

```
</neighbor-adjacency-time>
<neighbor-suppress-hello>
  neighbor-suppress-hello
</neighbor-suppress-hello>
<master-slave>
  master-slave
</master-slave>
<sequence-number>
  sequence-number
</sequence-number>
<dbd-retransmit-time>
  dbd-retransmit-time
</dbd-retransmit-time>
<lsreq-retransmit-time>
  lsreq-retransmit-time
</lsreq-retransmit-time>
<lsreq-enqueued>
  lsreq-enqueued
</lsreq-enqueued>
<lsreq-active>
  lsreq-active
</lsreq-active>
<lsa-list>
  lsa-list
</lsa-list>
</ospf3-neighbor>
</ospf3-realm-neighbor>
</ospf3-instance-neighbor>
</ospf3-neighbor-information-all>
```

#### Description

### <ospf3-neighbor-information>

#### Usage

```
<ospf3-neighbor-information>
  <ospf3-neighbor>....</ospf3-neighbor>
</ospf3-neighbor-information>
```

#### Description

### <ospf3-neighbor-information-all>

#### Usage

```
<ospf3-neighbor-information-all>
  <ospf3-instance-neighbor>....</ospf3-instance-neighbor>
</ospf3-neighbor-information-all>
```

**Description** Information about OSPFv3 neighbors in all routing instances



**<ospf3-neighbor-replication-information>****Usage**

```

<ospf3-neighbor-replication-information>
  <ospf3-neighbor-replication>....</ospf3-neighbor-replication>
</ospf3-neighbor-replication-information>

```

**Description** OSPFv3 neighbor replication information

**<ospf3-network-lsa>****Usage**

```

<ospf3-network-lsa>
  <ospf3-options>
    ospf3-options
  </ospf3-options>
  <attached-router>
    attached-router
  </attached-router>
  <ospf3-lsa-topology>....</ospf3-lsa-topology>
</ospf3-network-lsa>

```

**Description****<ospf3-network-lsa>****Usage**

```

<ospf3-database>
  <ospf3-network-lsa>
    <ospf3-options>
      ospf3-options
    </ospf3-options>
    <attached-router>
      attached-router
    </attached-router>
    <ospf3-lsa-topology>....</ospf3-lsa-topology>
  </ospf3-network-lsa>
</ospf3-database>

```

**Description****<ospf3-network-lsa>****Usage**

```

<ospf3-database-information>
  <ospf3-database>
    <ospf3-network-lsa>
      <ospf3-options>
        ospf3-options
      </ospf3-options>
      <attached-router>
        attached-router

```

```
</attached-router>
<ospf3-lsa-topology>....</ospf3-lsa-topology>
</ospf3-network-lsa>
</ospf3-database>
</ospf3-database-information>
```

**Description**

### <ospf3-overview-information>

**Usage**

```
<ospf3-overview-information>
<ospf-overview>....</ospf-overview>
</ospf3-overview-information>
```

**Description** Overview information for an OSPFv3 instance

### <ospf3-realm-neighbor>

**Usage**

```
<ospf3-realm-neighbor>
<ospf3-realm-name>
  ospf3-realm-name
</ospf3-realm-name>
<ospf3-neighbor>....</ospf3-neighbor>
</ospf3-realm-neighbor>
```

**Description** Information about OSPFv3 neighbors within this realm

### <ospf3-realm-neighbor>

**Usage**

```
<ospf3-neighbor-information-all>
<ospf3-instance-neighbor>
  <ospf3-realm-neighbor>
    <ospf3-realm-name>
      ospf3-realm-name
    </ospf3-realm-name>
    <ospf3-neighbor>....</ospf3-neighbor>
  </ospf3-realm-neighbor>
</ospf3-instance-neighbor>
</ospf3-neighbor-information-all>
```

**Description** Information about OSPFv3 neighbors within this realm

### <ospf3-route>

**Usage**

```
<ospf3-route>
<ospf3-route-entry>....</ospf3-route-entry>
```

</ospf3-route>

#### Description

<ospf3-route>

#### Usage

```
<ospf3-route-information>
  <ospf3-route>
    <ospf3-route-entry>....</ospf3-route-entry>
  </ospf3-route>
</ospf3-route-information>
```

#### Description

<ospf3-route-entry>

#### Usage

```
<ospf3-route>
  <ospf3-route-entry>
    <address-prefix>
      address-prefix
    </address-prefix>
    <route-path-type>
      route-path-type
    </route-path-type>
    <route-type>
      route-type
    </route-type>
    <next-hop-type>
      next-hop-type
    </next-hop-type>
    <interface-cost>
      interface-cost
    </interface-cost>
    <ospf-next-hop>....</ospf-next-hop>
    <ospf-backup-next-hop>....</ospf-backup-next-hop>
    <ospf-area>
      ospf-area
    </ospf-area>
    <optional-capability>
      optional-capability
    </optional-capability>
    <route-origin>
      route-origin
    </route-origin>
    <route-priority>
      route-priority
    </route-priority>
    <type7>
      type7
    </type7>
    <pbit>
      pbit
```

```
</pbit>
<forward-nz>
  forward-nz
</forward-nz>
</ospf3-route-entry>
</ospf3-route>
```

## Description

### <ospf3-route-entry>

#### Usage

```
<ospf3-route-information>
<ospf3-route>
  <ospf3-route-entry>
    <address-prefix>
      address-prefix
    </address-prefix>
    <route-path-type>
      route-path-type
    </route-path-type>
    <route-type>
      route-type
    </route-type>
    <next-hop-type>
      next-hop-type
    </next-hop-type>
    <interface-cost>
      interface-cost
    </interface-cost>
    <ospf-next-hop>....</ospf-next-hop>
    <ospf-backup-next-hop>....</ospf-backup-next-hop>
    <ospf-area>
      ospf-area
    </ospf-area>
    <optional-capability>
      optional-capability
    </optional-capability>
    <route-origin>
      route-origin
    </route-origin>
    <route-priority>
      route-priority
    </route-priority>
    <type7>
      type7
    </type7>
    <pbit>
      pbit
    </pbit>
    <forward-nz>
      forward-nz
    </forward-nz>
  </ospf3-route-entry>
</ospf3-route>
```

```
</ospf3-route-information>
```

#### Description

**<ospf3-route-information>**

#### Usage

```
<ospf3-route-information>
  <ospf3-route>....</ospf3-route>
</ospf3-route-information>
```

#### Description

**<ospf3-router-lsa>**

#### Usage

```
<ospf3-router-lsa>
  <bits>
    bits
  </bits>
  <ospf3-options>
    ospf3-options
  </ospf3-options>
  <ospf3-link>....</ospf3-link>
  <ospf3-lsa-topology>....</ospf3-lsa-topology>
</ospf3-router-lsa>
```

#### Description

**<ospf3-router-lsa>**

#### Usage

```
<ospf3-database>
  <ospf3-router-lsa>
    <bits>
      bits
    </bits>
    <ospf3-options>
      ospf3-options
    </ospf3-options>
    <ospf3-link>....</ospf3-link>
    <ospf3-lsa-topology>....</ospf3-lsa-topology>
  </ospf3-router-lsa>
</ospf3-database>
```

#### Description

**<ospf3-router-lsa>**

#### Usage

```
<ospf3-database-information>
  <ospf3-database>
```

```
<ospf3-router-lsa>
  <bits>
    bits
  </bits>
  <ospf3-options>
    ospf3-options
  </ospf3-options>
  <ospf3-link>....</ospf3-link>
  <ospf3-lsa-topology>....</ospf3-lsa-topology>
</ospf3-router-lsa>
</ospf3-database>
</ospf3-database-information>
```

#### Description

### <ospf3-statistics-information>

#### Usage

```
<ospf3-statistics-information>
  <ospf-statistics>....</ospf-statistics>
</ospf3-statistics-information>
```

#### Description

### <ospf3-topology-area-backup-neighbor>

#### Usage

```
<ospf3-topology-area-backup-neighbor>
  <ospf-area>
    ospf-area
  </ospf-area>
  <ospf3-backup-neighbor-node>....</ospf3-backup-neighbor-node>
</ospf3-topology-area-backup-neighbor>
```

**Description** OSPFv3 topology area specific backup neighbors

### <ospf3-topology-area-backup-neighbor>

#### Usage

```
<ospf3-topology-backup-neighbor>
  <ospf3-topology-area-backup-neighbor>
    <ospf-area>
      ospf-area
    </ospf-area>
    <ospf3-backup-neighbor-node>....</ospf3-backup-neighbor-node>
  </ospf3-topology-area-backup-neighbor>
</ospf3-topology-backup-neighbor>
```

**Description** OSPFv3 topology area specific backup neighbors

### <ospf3-topology-area-backup-neighbor>

#### Usage

```
<ospf3-backup-neighbor-information>
  <ospf3-topology-backup-neighbor>
    <ospf3-topology-area-backup-neighbor>
      <ospf-area>
        ospf-area
      </ospf-area>
      <ospf3-backup-neighbor-node>....</ospf3-backup-neighbor-node>
    </ospf3-topology-area-backup-neighbor>
  </ospf3-topology-backup-neighbor>
</ospf3-backup-neighbor-information>
```

**Description** OSPFv3 topology area specific backup neighbors

### <ospf3-topology-area-backup-spf>

#### Usage

```
<ospf3-topology-area-backup-spf>
  <ospf-area>
    ospf-area
  </ospf-area>
  <ospf3-backup-spf-node>....</ospf3-backup-spf-node>
</ospf3-topology-area-backup-spf>
```

**Description** OSPFv3 topology area specific backup SPF results

### <ospf3-topology-area-backup-spf>

#### Usage

```
<ospf3-topology-backup-spf>
  <ospf3-topology-area-backup-spf>
    <ospf-area>
      ospf-area
    </ospf-area>
    <ospf3-backup-spf-node>....</ospf3-backup-spf-node>
  </ospf3-topology-area-backup-spf>
</ospf3-topology-backup-spf>
```

**Description** OSPFv3 topology area specific backup SPF results

### <ospf3-topology-area-backup-spf>

#### Usage

```
<ospf3-backup-spf-information>
  <ospf3-topology-backup-spf>
    <ospf3-topology-area-backup-spf>
      <ospf-area>
        ospf-area
      </ospf-area>
    </ospf3-topology-area-backup-spf>
  </ospf3-topology-backup-spf>
</ospf3-backup-spf-information>
```

```
</ospf-area>
  <ospf3-backup-spf-node>....</ospf3-backup-spf-node>
</ospf3-topology-area-backup-spf>
</ospf3-topology-backup-spf>
</ospf3-backup-spf-information>
```

**Description** OSPFv3 topology area specific backup SPF results

### <ospf3-topology-backup-coverage>

#### Usage

```
<ospf3-topology-backup-coverage>
  <ospf3-backup-node-coverage>....</ospf3-backup-node-coverage>
  <ospf3-backup-route-coverage>....</ospf3-backup-route-coverage>
</ospf3-topology-backup-coverage>
```

#### Description

### <ospf3-topology-backup-coverage>

#### Usage

```
<ospf3-backup-coverage-information>
  <ospf3-topology-backup-coverage>
    <ospf3-backup-node-coverage>....</ospf3-backup-node-coverage>
    <ospf3-backup-route-coverage>....</ospf3-backup-route-coverage>
  </ospf3-topology-backup-coverage>
</ospf3-backup-coverage-information>
```

#### Description

### <ospf3-topology-backup-neighbor>

#### Usage

```
<ospf3-topology-backup-neighbor>
  <ospf-topology-name>
    ospf-topology-name
  </ospf-topology-name>

  <ospf3-topology-area-backup-neighbor>....</ospf3-topology-area-backup-neighbor>
</ospf3-topology-backup-neighbor>
```

**Description** OSPFv3 topology specific backup neighbors

### <ospf3-topology-backup-neighbor>

#### Usage

```
<ospf3-backup-neighbor-information>
  <ospf3-topology-backup-neighbor>
    <ospf-topology-name>
      ospf-topology-name
    </ospf-topology-name>
```



```
<ospf3-topology-area-backup-neighbor>....</ospf3-topology-area-backup-neighbor>
  </ospf3-topology-backup-neighbor>
</ospf3-backup-neighbor-information>
```

**Description** OSPFv3 topology specific backup neighbors

### <ospf3-topology-backup-spf>

#### Usage

```
<ospf3-topology-backup-spf>
  <ospf-topology-name>
    ospf-topology-name
  </ospf-topology-name>
  <ospf3-topology-area-backup-spf>....</ospf3-topology-area-backup-spf>
</ospf3-topology-backup-spf>
```

**Description** OSPFv3 topology specific backup SPF results

### <ospf3-topology-backup-spf>

#### Usage

```
<ospf3-backup-spf-information>
  <ospf3-topology-backup-spf>
    <ospf-topology-name>
      ospf-topology-name
    </ospf-topology-name>
    <ospf3-topology-area-backup-spf>....</ospf3-topology-area-backup-spf>
  </ospf3-topology-backup-spf>
</ospf3-backup-spf-information>
```

**Description** OSPFv3 topology specific backup SPF results

### <overbooked-bandwidth>

#### Usage

```
<rsvp-telink>
  <overbooked-bandwidth>
    <bandwidth-priority>
      bandwidth-priority
    </bandwidth-priority>
    <total-reserved-bandwidth>
      total-reserved-bandwidth
    </total-reserved-bandwidth>
  </overbooked-bandwidth>
</rsvp-telink>
```

**Description** Bandwidth overbooked at different priority levels

**<overbooked-bandwidth>****Usage**

```
<rsvp-session-data>
  <rsvp-session>
    <rsvp-telink>
      <overbooked-bandwidth>
        <bandwidth-priority>
          bandwidth-priority
        </bandwidth-priority>
        <total-reserved-bandwidth>
          total-reserved-bandwidth
        </total-reserved-bandwidth>
      </overbooked-bandwidth>
    </rsvp-telink>
  </rsvp-session>
</rsvp-session-data>
```

**Description** Bandwidth overbooked at different priority levels

**<overbooked-bandwidth>****Usage**

```
<rsvp-session>
  <rsvp-telink>
    <overbooked-bandwidth>
      <bandwidth-priority>
        bandwidth-priority
      </bandwidth-priority>
      <total-reserved-bandwidth>
        total-reserved-bandwidth
      </total-reserved-bandwidth>
    </overbooked-bandwidth>
  </rsvp-telink>
</rsvp-session>
```

**Description** Bandwidth overbooked at different priority levels

**<overbooked-bandwidth>****Usage**

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <rsvp-telink>
        <overbooked-bandwidth>
          <bandwidth-priority>
            bandwidth-priority
          </bandwidth-priority>
          <total-reserved-bandwidth>
            total-reserved-bandwidth
          </total-reserved-bandwidth>
        </overbooked-bandwidth>
      </rsvp-telink>
    </rsvp-session>
  </rsvp-session-data>
</rsvp-session-information>
```

```

        </overbooked-bandwidth>
    </rsvp-telink>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>

```

**Description** Bandwidth overbooked at different priority levels

### <overbooked-bandwidth>

#### Usage

```

<rsvp-interface>
  <rsvp-telink>
    <overbooked-bandwidth>
      <bandwidth-priority>
        bandwidth-priority
      </bandwidth-priority>
      <total-reserved-bandwidth>
        total-reserved-bandwidth
      </total-reserved-bandwidth>
    </overbooked-bandwidth>
  </rsvp-telink>
</rsvp-interface>

```

**Description** Bandwidth overbooked at different priority levels

### <overbooked-bandwidth>

#### Usage

```

<rsvp-interface-information>
  <rsvp-interface>
    <rsvp-telink>
      <overbooked-bandwidth>
        <bandwidth-priority>
          bandwidth-priority
        </bandwidth-priority>
        <total-reserved-bandwidth>
          total-reserved-bandwidth
        </total-reserved-bandwidth>
      </overbooked-bandwidth>
    </rsvp-telink>
  </rsvp-interface>
</rsvp-interface-information>

```

**Description** Bandwidth overbooked at different priority levels

### <overbooked-bandwidth>

#### Usage

```

<mpls-lsp-information>
  <rsvp-session-data>

```

```
<rsvp-session>
  <rsvp-telink>
    <overbooked-bandwidth>
      <bandwidth-priority>
        bandwidth-priority
      </bandwidth-priority>
      <total-reserved-bandwidth>
        total-reserved-bandwidth
      </total-reserved-bandwidth>
    </overbooked-bandwidth>
  </rsvp-telink>
</rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>
```

**Description** Bandwidth overbooked at different priority levels

### <overbooked-ct-bandwidth>

#### Usage

```
<rsvp-telink>
  <overbooked-ct-bandwidth>
    <ct-class>
      ct-class
    </ct-class>
    <ct-bw0>
      ct-bw0
    </ct-bw0>
    <ct-bw1>
      ct-bw1
    </ct-bw1>
    <ct-bw2>
      ct-bw2
    </ct-bw2>
    <ct-bw3>
      ct-bw3
    </ct-bw3>
    <ct-bw4>
      ct-bw4
    </ct-bw4>
    <ct-bw5>
      ct-bw5
    </ct-bw5>
    <ct-bw6>
      ct-bw6
    </ct-bw6>
    <ct-bw7>
      ct-bw7
    </ct-bw7>
  </overbooked-ct-bandwidth>
</rsvp-telink>
```

**Description** Bandwidth overbooked at different class/priority levels

**<overbooked-ct-bandwidth>****Usage**

```

<rsvp-session-data>
  <rsvp-session>
    <rsvp-telink>
      <overbooked-ct-bandwidth>
        <ct-class>
          ct-class
        </ct-class>
        <ct-bw0>
          ct-bw0
        </ct-bw0>
        <ct-bw1>
          ct-bw1
        </ct-bw1>
        <ct-bw2>
          ct-bw2
        </ct-bw2>
        <ct-bw3>
          ct-bw3
        </ct-bw3>
        <ct-bw4>
          ct-bw4
        </ct-bw4>
        <ct-bw5>
          ct-bw5
        </ct-bw5>
        <ct-bw6>
          ct-bw6
        </ct-bw6>
        <ct-bw7>
          ct-bw7
        </ct-bw7>
      </overbooked-ct-bandwidth>
    </rsvp-telink>
  </rsvp-session>
</rsvp-session-data>

```

**Description** Bandwidth overbooked at different class/priority levels

**<overbooked-ct-bandwidth>****Usage**

```

<rsvp-session>
  <rsvp-telink>
    <overbooked-ct-bandwidth>
      <ct-class>
        ct-class
      </ct-class>
      <ct-bw0>
        ct-bw0
      </ct-bw0>
    </overbooked-ct-bandwidth>
  </rsvp-telink>
</rsvp-session>

```

```
<ct-bw1>
  ct-bw1
</ct-bw1>
<ct-bw2>
  ct-bw2
</ct-bw2>
<ct-bw3>
  ct-bw3
</ct-bw3>
<ct-bw4>
  ct-bw4
</ct-bw4>
<ct-bw5>
  ct-bw5
</ct-bw5>
<ct-bw6>
  ct-bw6
</ct-bw6>
<ct-bw7>
  ct-bw7
</ct-bw7>
</overbooked-ct-bandwidth>
</rsvp-telink>
</rsvp-session>
```

**Description** Bandwidth overbooked at different class/priority levels

### <overbooked-ct-bandwidth>

#### Usage

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <rsvp-telink>
        <overbooked-ct-bandwidth>
          <ct-class>
            ct-class
          </ct-class>
          <ct-bw0>
            ct-bw0
          </ct-bw0>
          <ct-bw1>
            ct-bw1
          </ct-bw1>
          <ct-bw2>
            ct-bw2
          </ct-bw2>
          <ct-bw3>
            ct-bw3
          </ct-bw3>
          <ct-bw4>
            ct-bw4
          </ct-bw4>
          <ct-bw5>
```

```

        ct-bw5
      </ct-bw5>
    <ct-bw6>
      ct-bw6
    </ct-bw6>
    <ct-bw7>
      ct-bw7
    </ct-bw7>
  </overbooked-ct-bandwidth>
</rsvp-telink>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>

```

**Description** Bandwidth overbooked at different class/priority levels

### <overbooked-ct-bandwidth>

#### Usage

```

<rsvp-interface>
  <rsvp-telink>
    <overbooked-ct-bandwidth>
      <ct-class>
        ct-class
      </ct-class>
      <ct-bw0>
        ct-bw0
      </ct-bw0>
      <ct-bw1>
        ct-bw1
      </ct-bw1>
      <ct-bw2>
        ct-bw2
      </ct-bw2>
      <ct-bw3>
        ct-bw3
      </ct-bw3>
      <ct-bw4>
        ct-bw4
      </ct-bw4>
      <ct-bw5>
        ct-bw5
      </ct-bw5>
      <ct-bw6>
        ct-bw6
      </ct-bw6>
      <ct-bw7>
        ct-bw7
      </ct-bw7>
    </overbooked-ct-bandwidth>
  </rsvp-telink>
</rsvp-interface>

```

**Description** Bandwidth overbooked at different class/priority levels

### <overbooked-ct-bandwidth>

#### Usage

```
<rsvp-interface-information>
  <rsvp-interface>
    <rsvp-telink>
      <overbooked-ct-bandwidth>
        <ct-class>
          ct-class
        </ct-class>
        <ct-bw0>
          ct-bw0
        </ct-bw0>
        <ct-bw1>
          ct-bw1
        </ct-bw1>
        <ct-bw2>
          ct-bw2
        </ct-bw2>
        <ct-bw3>
          ct-bw3
        </ct-bw3>
        <ct-bw4>
          ct-bw4
        </ct-bw4>
        <ct-bw5>
          ct-bw5
        </ct-bw5>
        <ct-bw6>
          ct-bw6
        </ct-bw6>
        <ct-bw7>
          ct-bw7
        </ct-bw7>
      </overbooked-ct-bandwidth>
    </rsvp-telink>
  </rsvp-interface>
</rsvp-interface-information>
```

**Description** Bandwidth overbooked at different class/priority levels

### <overbooked-ct-bandwidth>

#### Usage

```
<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <rsvp-telink>
        <overbooked-ct-bandwidth>
          <ct-class>
            ct-class
          </ct-class>
        </overbooked-ct-bandwidth>
      </rsvp-telink>
    </rsvp-session>
  </rsvp-session-data>
</mpls-lsp-information>
```



```

</ct-class>
<ct-bw0>
  ct-bw0
</ct-bw0>
<ct-bw1>
  ct-bw1
</ct-bw1>
<ct-bw2>
  ct-bw2
</ct-bw2>
<ct-bw3>
  ct-bw3
</ct-bw3>
<ct-bw4>
  ct-bw4
</ct-bw4>
<ct-bw5>
  ct-bw5
</ct-bw5>
<ct-bw6>
  ct-bw6
</ct-bw6>
<ct-bw7>
  ct-bw7
</ct-bw7>
</overbooked-ct-bandwidth>
</rsvp-telink>
</rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>

```

**Description** Bandwidth overbooked at different class/priority levels

## <packet-information>

### Usage

```

<rsvp-session-data>
  <rsvp-session>
    <packet-information>
      <previous-hop>
        previous-hop
      </previous-hop>
      <next-hop>
        next-hop
      </next-hop>
      <interface-name>
        interface-name
      </interface-name>
      <count>
        count
      </count>
    </packet-information>
  </rsvp-session>

```

```
</rsvp-session-data>
```

**Description** RSVP packets sent or received per session

### <packet-information>

#### Usage

```
<rsvp-session-data>
  <rsvp-session>
    <detour>
      <packet-information>
        <previous-hop>
          previous-hop
        </previous-hop>
        <next-hop>
          next-hop
        </next-hop>
        <interface-name>
          interface-name
        </interface-name>
        <count>
          count
        </count>
      </packet-information>
    </detour>
  </rsvp-session>
</rsvp-session-data>
```

**Description** RSVP packets sent or received per session

### <packet-information>

#### Usage

```
<rsvp-session-data>
  <rsvp-session>
    <detour-branch>
      <packet-information>
        <previous-hop>
          previous-hop
        </previous-hop>
        <next-hop>
          next-hop
        </next-hop>
        <interface-name>
          interface-name
        </interface-name>
        <count>
          count
        </count>
      </packet-information>
    </detour-branch>
  </rsvp-session>
```

</rsvp-session-data>

**Description** RSVP packets sent or received per session

### <packet-information>

#### Usage

```
<rsvp-session>
  <packet-information>
    <previous-hop>
      previous-hop
    </previous-hop>
    <next-hop>
      next-hop
    </next-hop>
    <interface-name>
      interface-name
    </interface-name>
    <count>
      count
    </count>
  </packet-information>
</rsvp-session>
```

**Description** RSVP packets sent or received per session

### <packet-information>

#### Usage

```
<rsvp-session>
  <detour>
    <packet-information>
      <previous-hop>
        previous-hop
      </previous-hop>
      <next-hop>
        next-hop
      </next-hop>
      <interface-name>
        interface-name
      </interface-name>
      <count>
        count
      </count>
    </packet-information>
  </detour>
</rsvp-session>
```

**Description** RSVP packets sent or received per session

**<packet-information>****Usage**

```
<rsvp-session>
  <detour-branch>
    <packet-information>
      <previous-hop>
        previous-hop
      </previous-hop>
      <next-hop>
        next-hop
      </next-hop>
      <interface-name>
        interface-name
      </interface-name>
      <count>
        count
      </count>
    </packet-information>
  </detour-branch>
</rsvp-session>
```

**Description** RSVP packets sent or received per session

**<packet-information>****Usage**

```
<detour>
  <packet-information>
    <previous-hop>
      previous-hop
    </previous-hop>
    <next-hop>
      next-hop
    </next-hop>
    <interface-name>
      interface-name
    </interface-name>
    <count>
      count
    </count>
  </packet-information>
</detour>
```

**Description** RSVP packets sent or received per session

**<packet-information>****Usage**

```
<detour-branch>
  <packet-information>
    <previous-hop>
```

```

        previous-hop
      </previous-hop>
    <next-hop>
      next-hop
    </next-hop>
    <interface-name>
      interface-name
    </interface-name>
    <count>
      count
    </count>
  </packet-information>
</detour-branch>

```

**Description** RSVP packets sent or received per session

### <packet-information>

#### Usage

```

<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <packet-information>
        <previous-hop>
          previous-hop
        </previous-hop>
        <next-hop>
          next-hop
        </next-hop>
        <interface-name>
          interface-name
        </interface-name>
        <count>
          count
        </count>
      </packet-information>
    </rsvp-session>
  </rsvp-session-data>
</rsvp-session-information>

```

**Description** RSVP packets sent or received per session

### <packet-information>

#### Usage

```

<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <detour>
        <packet-information>
          <previous-hop>
            previous-hop
          </previous-hop>
        </packet-information>
      </detour>
    </rsvp-session>
  </rsvp-session-data>
</rsvp-session-information>

```

```
</previous-hop>
<next-hop>
  next-hop
</next-hop>
<interface-name>
  interface-name
</interface-name>
<count>
  count
</count>
</packet-information>
</detour>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>
```

**Description** RSVP packets sent or received per session

### <packet-information>

#### Usage

```
<rsvp-session-information>
<rsvp-session-data>
<rsvp-session>
<detour-branch>
  <packet-information>
    <previous-hop>
      previous-hop
    </previous-hop>
    <next-hop>
      next-hop
    </next-hop>
    <interface-name>
      interface-name
    </interface-name>
    <count>
      count
    </count>
  </packet-information>
</detour-branch>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>
```

**Description** RSVP packets sent or received per session

### <packet-information>

#### Usage

```
<mpls-lsp-information>
<rsvp-session-data>
<rsvp-session>
```

```

<packet-information>
  <previous-hop>
    previous-hop
  </previous-hop>
  <next-hop>
    next-hop
  </next-hop>
  <interface-name>
    interface-name
  </interface-name>
  <count>
    count
  </count>
</packet-information>
</rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>

```

**Description** RSVP packets sent or received per session

### <packet-information>

#### Usage

```

<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <detour>
        <packet-information>
          <previous-hop>
            previous-hop
          </previous-hop>
          <next-hop>
            next-hop
          </next-hop>
          <interface-name>
            interface-name
          </interface-name>
          <count>
            count
          </count>
        </packet-information>
      </detour>
    </rsvp-session>
  </rsvp-session-data>
</mpls-lsp-information>

```

**Description** RSVP packets sent or received per session

### <packet-information>

#### Usage

```

<mpls-lsp-information>

```

```
<rsvp-session-data>
  <rsvp-session>
    <detour-branch>
      <packet-information>
        <previous-hop>
          previous-hop
        </previous-hop>
        <next-hop>
          next-hop
        </next-hop>
        <interface-name>
          interface-name
        </interface-name>
        <count>
          count
        </count>
      </packet-information>
    </detour-branch>
  </rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>
```

**Description** RSVP packets sent or received per session

## <packet-statistics>

### Usage

```
<ospf-statistics>
  <packet-statistics>
    <ospf-packet-type>
      ospf-packet-type
    </ospf-packet-type>
    <packets-sent>
      packets-sent
    </packets-sent>
    <packets-received>
      packets-received
    </packets-received>
    <packets-sent-5seconds>
      packets-sent-5seconds
    </packets-sent-5seconds>
    <packets-received-5seconds>
      packets-received-5seconds
    </packets-received-5seconds>
  </packet-statistics>
</ospf-statistics>
```

### Description

## <packet-statistics>

### Usage

```
<ospf-statistics-information>
```



```

<ospf-statistics>
  <packet-statistics>
    <ospf-packet-type>
      ospf-packet-type
    </ospf-packet-type>
    <packets-sent>
      packets-sent
    </packets-sent>
    <packets-received>
      packets-received
    </packets-received>
    <packets-sent-5seconds>
      packets-sent-5seconds
    </packets-sent-5seconds>
    <packets-received-5seconds>
      packets-received-5seconds
    </packets-received-5seconds>
  </packet-statistics>
</ospf-statistics>
</ospf-statistics-information>

```

#### Description

<packet-statistics>

#### Usage

```

<ospf3-statistics-information>
  <ospf-statistics>
    <packet-statistics>
      <ospf-packet-type>
        ospf-packet-type
      </ospf-packet-type>
      <packets-sent>
        packets-sent
      </packets-sent>
      <packets-received>
        packets-received
      </packets-received>
      <packets-sent-5seconds>
        packets-sent-5seconds
      </packets-sent-5seconds>
      <packets-received-5seconds>
        packets-received-5seconds
      </packets-received-5seconds>
    </packet-statistics>
  </ospf-statistics>
</ospf3-statistics-information>

```

#### Description

<path-available-bandwidth>

#### Usage

```

<rsvp-session-data>

```

```
<rsvp-session>
  <mpls-lsp>
    <mpls-lsp-path>
      <path-available-bandwidth>
        <bandwidth>
          bandwidth
        </bandwidth>
        <class-type>
          class-type
        </class-type>
        <class-bandwidth>
          class-bandwidth
        </class-bandwidth>
      </path-available-bandwidth>
    </mpls-lsp-path>
  </mpls-lsp>
</rsvp-session>
</rsvp-session-data>
```

**Description** Available bandwidth on an LSP path

### <path-available-bandwidth>

#### Usage

```
<rsvp-session>
  <mpls-lsp>
    <mpls-lsp-path>
      <path-available-bandwidth>
        <bandwidth>
          bandwidth
        </bandwidth>
        <class-type>
          class-type
        </class-type>
        <class-bandwidth>
          class-bandwidth
        </class-bandwidth>
      </path-available-bandwidth>
    </mpls-lsp-path>
  </mpls-lsp>
</rsvp-session>
```

**Description** Available bandwidth on an LSP path

### <path-available-bandwidth>

#### Usage

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <mpls-lsp-path>
```

```

    <path-available-bandwidth>
      <bandwidth>
        bandwidth
      </bandwidth>
      <class-type>
        class-type
      </class-type>
      <class-bandwidth>
        class-bandwidth
      </class-bandwidth>
    </path-available-bandwidth>
  </mpls-lsp-path>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>

```

**Description** Available bandwidth on an LSP path

### <path-available-bandwidth>

#### Usage

```

<mpls-lsp-path>
  <path-available-bandwidth>
    <bandwidth>
      bandwidth
    </bandwidth>
    <class-type>
      class-type
    </class-type>
    <class-bandwidth>
      class-bandwidth
    </class-bandwidth>
  </path-available-bandwidth>
</mpls-lsp-path>

```

**Description** Available bandwidth on an LSP path

### <path-available-bandwidth>

#### Usage

```

<mpls-lsp>
  <mpls-lsp-path>
    <path-available-bandwidth>
      <bandwidth>
        bandwidth
      </bandwidth>
      <class-type>
        class-type
      </class-type>
      <class-bandwidth>
        class-bandwidth

```

```
</class-bandwidth>
</path-available-bandwidth>
</mpls-lsp-path>
</mpls-lsp>
```

**Description** Available bandwidth on an LSP path

### <path-available-bandwidth>

#### Usage

```
<mpls-lsp-information>
<rsvp-session-data>
<rsvp-session>
<mpls-lsp>
<mpls-lsp-path>
<path-available-bandwidth>
<bandwidth>
bandwidth
</bandwidth>
<class-type>
class-type
</class-type>
<class-bandwidth>
class-bandwidth
</class-bandwidth>
</path-available-bandwidth>
</mpls-lsp-path>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>
```

**Description** Available bandwidth on an LSP path

### <path-available-bandwidth>

#### Usage

```
<mpls-call-admission-control-information>
<mpls-call-admission-control>
<mpls-lsp>
<mpls-lsp-path>
<path-available-bandwidth>
<bandwidth>
bandwidth
</bandwidth>
<class-type>
class-type
</class-type>
<class-bandwidth>
class-bandwidth
</class-bandwidth>
</path-available-bandwidth>
```

```

    </mpls-lsp-path>
  </mpls-lsp>
</mpls-call-admission-control>
</mpls-call-admission-control-information>

```

**Description** Available bandwidth on an LSP path

### <path-history>

#### Usage

```

<rsvp-session-data>
  <rsvp-session>
    <mpls-lsp>
      <mpls-lsp-path>
        <path-history>
          <sequence-number>
            sequence-number
          </sequence-number>
          <time>
            time
          </time>
          <log>
            log
          </log>
          <route>
            route
          </route>
        </path-history>
      </mpls-lsp-path>
    </mpls-lsp>
  </rsvp-session>
</rsvp-session-data>

```

**Description** Log over time of LSP path-related events

### <path-history>

#### Usage

```

<rsvp-session>
  <mpls-lsp>
    <mpls-lsp-path>
      <path-history>
        <sequence-number>
          sequence-number
        </sequence-number>
        <time>
          time
        </time>
        <log>
          log
        </log>
        <route>

```

```
    route
  </route>
</path-history>
</mpls-lsp-path>
</mpls-lsp>
</rsvp-session>
```

**Description** Log over time of LSP path-related events

### <path-history>

#### Usage

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <mpls-lsp>
        <mpls-lsp-path>
          <path-history>
            <sequence-number>
              sequence-number
            </sequence-number>
            <time>
              time
            </time>
            <log>
              log
            </log>
            <route>
              route
            </route>
          </path-history>
        </mpls-lsp-path>
      </mpls-lsp>
    </rsvp-session>
  </rsvp-session-data>
</rsvp-session-information>
```

**Description** Log over time of LSP path-related events

### <path-history>

#### Usage

```
<mpls-lsp-path>
  <path-history>
    <sequence-number>
      sequence-number
    </sequence-number>
    <time>
      time
    </time>
    <log>
      log
```

```

</log>
<route>
  route
</route>
</path-history>
</mpls-lsp-path>

```

**Description** Log over time of LSP path-related events

### <path-history>

#### Usage

```

<mpls-lsp>
<mpls-lsp-path>
  <path-history>
    <sequence-number>
      sequence-number
    </sequence-number>
    <time>
      time
    </time>
    <log>
      log
    </log>
    <route>
      route
    </route>
  </path-history>
</mpls-lsp-path>
</mpls-lsp>

```

**Description** Log over time of LSP path-related events

### <path-history>

#### Usage

```

<mpls-lsp-information>
<rsvp-session-data>
<rsvp-session>
  <mpls-lsp>
    <mpls-lsp-path>
      <path-history>
        <sequence-number>
          sequence-number
        </sequence-number>
        <time>
          time
        </time>
        <log>
          log
        </log>
      </path-history>
    </mpls-lsp-path>
  </mpls-lsp>
</rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>

```

```
        route
      </route>
    </path-history>
  </mpls-lsp-path>
</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>
```

**Description** Log over time of LSP path-related events

### <path-history>

#### Usage

```
<mpls-call-admission-control-information>
  <mpls-call-admission-control>
    <mpls-lsp>
      <mpls-lsp-path>
        <path-history>
          <sequence-number>
            sequence-number
          </sequence-number>
          <time>
            time
          </time>
          <log>
            log
          </log>
          <route>
            route
          </route>
        </path-history>
      </mpls-lsp-path>
    </mpls-lsp>
  </mpls-call-admission-control>
</mpls-call-admission-control-information>
```

**Description** Log over time of LSP path-related events

### <pim-bootstrap-information>

#### Usage

```
<pim-bootstrap-information>
  <pim-instance>
    pim-instance
  </pim-instance>
  <bootstrap-family>....</bootstrap-family>
</pim-bootstrap-information>
```

#### Description



## <pim-data-mdt-join-information>

### Usage

```

<pim-data-mdt-join-information>
  <pim-data-mdt-csource-address>
    pim-data-mdt-csource-address
  </pim-data-mdt-csource-address>
  <pim-data-mdt-cgroup-address>
    pim-data-mdt-cgroup-address
  </pim-data-mdt-cgroup-address>
  <pim-data-mdt-psource-address>
    pim-data-mdt-psource-address
  </pim-data-mdt-psource-address>
  <pim-data-mdt-pgroup-address>
    pim-data-mdt-pgroup-address
  </pim-data-mdt-pgroup-address>
  <pim-data-mdt-timeout>
    pim-data-mdt-timeout
  </pim-data-mdt-timeout>
</pim-data-mdt-join-information>

```

### Description

## <pim-group-flags>

### Usage

```

<pim-join-information>
  <join-family>
    <join-group>
      <pim-group-flags>
        <sparse>
          sparse
        </sparse>
        <dense>
          dense
        </dense>
        <delete>
          delete
        </delete>
        <rptree>
          rptree
        </rptree>
        <wildcard>
          wildcard
        </wildcard>
        <spt>
          spt
        </spt>
      </pim-group-flags>
    </join-group>
  </join-family>
</pim-join-information>

```

**Description**

## &lt;pim-interface&gt;

**Usage**

```
<pim-interfaces-information>
  <pim-interface>
    <pim-interface-name>
      pim-interface-name
    </pim-interface-name>
    <status>
      status
    </status>
    <pim-interface-mode>
      pim-interface-mode
    </pim-interface-mode>
    <ip-protocol-version>
      ip-protocol-version
    </ip-protocol-version>
    <protocol-version>
      protocol-version
    </protocol-version>
    <interface-state>
      interface-state
    </interface-state>
    <neighbor-count>
      neighbor-count
    </neighbor-count>
    <interface-join-sg-count>
      interface-join-sg-count
    </interface-join-sg-count>
    <interface-join-tsg-count>
      interface-join-tsg-count
    </interface-join-tsg-count>
    <designated-router-address>
      designated-router-address
    </designated-router-address>
    <pim-neighbor>....</pim-neighbor>
  </pim-interface>
</pim-interfaces-information>
```

**Description**

## &lt;pim-interface&gt;

**Usage**

```
<pim-neighbors-information>
  <pim-interface>
    <pim-interface-name>
      pim-interface-name
    </pim-interface-name>
    <status>
      status
    </status>
    <pim-interface-mode>
```

```

    pim-interface-mode
  </pim-interface-mode>
  <ip-protocol-version>
    ip-protocol-version
  </ip-protocol-version>
  <protocol-version>
    protocol-version
  </protocol-version>
  <interface-state>
    interface-state
  </interface-state>
  <neighbor-count>
    neighbor-count
  </neighbor-count>
  <interface-join-sg-count>
    interface-join-sg-count
  </interface-join-sg-count>
  <interface-join-tsg-count>
    interface-join-tsg-count
  </interface-join-tsg-count>
  <designated-router-address>
    designated-router-address
  </designated-router-address>
  <pim-neighbor>....</pim-neighbor>
</pim-interface>
</pim-neighbors-information>

```

#### Description

### <pim-interfaces-information>

#### Usage

```

<pim-interfaces-information>
  <pim-instance>
    pim-instance
  </pim-instance>
  <pim-interface>....</pim-interface>
</pim-interfaces-information>

```

#### Description

### <pim-join-information>

#### Usage

```

<pim-join-information>
  <join-family>....</join-family>
</pim-join-information>

```

#### Description

## <pim-mdt-information>

### Usage

```
<pim-mdt-information>
  <pim-instance>
    pim-instance
  </pim-instance>
  <mdt-default-group-address>
    mdt-default-group-address
  </mdt-default-group-address>
  <mdt-default-source-address>
    mdt-default-source-address
  </mdt-default-source-address>
  <mdt-default-interface-name>
    mdt-default-interface-name
  </mdt-default-interface-name>
  <mdt-default-tunnel-source>
    mdt-default-tunnel-source
  </mdt-default-tunnel-source>
  <mdt-tunnel-direction>
    mdt-tunnel-direction
  </mdt-tunnel-direction>
  <mdt-tunnel-mode>
    mdt-tunnel-mode
  </mdt-tunnel-mode>
  <mdt-pim-instance>
    mdt-pim-instance
  </mdt-pim-instance>
  <mdt-default-tunnel-information>....</mdt-default-tunnel-information>
  <mdt-active-tunnel>....</mdt-active-tunnel>
</pim-mdt-information>
```

### Description

## <pim-mvpn-information>

### Usage

```
<pim-mvpn-information>
  <pim-mvpn-instance-name>
    pim-mvpn-instance-name
  </pim-mvpn-instance-name>
  <pim-mvpn-address>
    pim-mvpn-address
  </pim-mvpn-address>
  <pim-mvpn-mode>
    pim-mvpn-mode
  </pim-mvpn-mode>
  <pim-mvpn-tunnel>
    pim-mvpn-tunnel
  </pim-mvpn-tunnel>
</pim-mvpn-information>
```

### Description

## &lt;pim-neighbor&gt;

## Usage

```

<pim-interfaces-information>
  <pim-interface>
    <pim-neighbor>
      <pim-interface-name>
        pim-interface-name
      </pim-interface-name>
      <ip-protocol-version>
        ip-protocol-version
      </ip-protocol-version>
      <protocol-version>
        protocol-version
      </protocol-version>
      <pim-interface-mode>
        pim-interface-mode
      </pim-interface-mode>
      <neighbor-join-sg-count>
        neighbor-join-sg-count
      </neighbor-join-sg-count>
      <neighbor-join-tsg-count>
        neighbor-join-tsg-count
      </neighbor-join-tsg-count>
      <pim-neighbor-flags>....</pim-neighbor-flags>
      <pim-neighbor-uptime>
        pim-neighbor-uptime
      </pim-neighbor-uptime>
      <pim-neighbor-address>
        pim-neighbor-address
      </pim-neighbor-address>
      <pim-neighbor-secondary-address>
        pim-neighbor-secondary-address
      </pim-neighbor-secondary-address>
      <hello-holdtime>
        hello-holdtime
      </hello-holdtime>
      <hello-holdtime-remaining>
        hello-holdtime-remaining
      </hello-holdtime-remaining>
      <hello-default-holdtime>
        hello-default-holdtime
      </hello-default-holdtime>
      <hello-default-holdtime-remaining>
        hello-default-holdtime-remaining
      </hello-default-holdtime-remaining>
      <hello-dr-priority>
        hello-dr-priority
      </hello-dr-priority>
      <hello-generation-id>
        hello-generation-id
      </hello-generation-id>
      <hello-lanprune-delay>
        hello-lanprune-delay
      </hello-lanprune-delay>

```

```
<hello-override-interval>
  hello-override-interval
</hello-override-interval>
<hello-nbr-t-bit>
  hello-nbr-t-bit
</hello-nbr-t-bit>
<pim-neighbor-bfd>....</pim-neighbor-bfd>
<pim-neighbor-join>....</pim-neighbor-join>
<pim-neighbor-assert>....</pim-neighbor-assert>
</pim-neighbor>
</pim-interface>
</pim-interfaces-information>
```

## Description

### <pim-neighbor>

#### Usage

```
<pim-neighbors-information>
<pim-interface>
  <pim-neighbor>
    <pim-interface-name>
      pim-interface-name
    </pim-interface-name>
    <ip-protocol-version>
      ip-protocol-version
    </ip-protocol-version>
    <protocol-version>
      protocol-version
    </protocol-version>
    <pim-interface-mode>
      pim-interface-mode
    </pim-interface-mode>
    <neighbor-join-sg-count>
      neighbor-join-sg-count
    </neighbor-join-sg-count>
    <neighbor-join-tsg-count>
      neighbor-join-tsg-count
    </neighbor-join-tsg-count>
    <pim-neighbor-flags>....</pim-neighbor-flags>
    <pim-neighbor-uptime>
      pim-neighbor-uptime
    </pim-neighbor-uptime>
    <pim-neighbor-address>
      pim-neighbor-address
    </pim-neighbor-address>
    <pim-neighbor-secondary-address>
      pim-neighbor-secondary-address
    </pim-neighbor-secondary-address>
    <hello-holdtime>
      hello-holdtime
    </hello-holdtime>
    <hello-holdtime-remaining>
      hello-holdtime-remaining
    </hello-holdtime-remaining>
```

```

<hello-default-holdtime>
  hello-default-holdtime
</hello-default-holdtime>
<hello-default-holdtime-remaining>
  hello-default-holdtime-remaining
</hello-default-holdtime-remaining>
<hello-dr-priority>
  hello-dr-priority
</hello-dr-priority>
<hello-generation-id>
  hello-generation-id
</hello-generation-id>
<hello-lanprune-delay>
  hello-lanprune-delay
</hello-lanprune-delay>
<hello-override-interval>
  hello-override-interval
</hello-override-interval>
<hello-nbr-t-bit>
  hello-nbr-t-bit
</hello-nbr-t-bit>
<pim-neighbor-bfd>....</pim-neighbor-bfd>
<pim-neighbor-join>....</pim-neighbor-join>
<pim-neighbor-assert>....</pim-neighbor-assert>
</pim-neighbor>
</pim-interface>
</pim-neighbors-information>

```

## Description

### <pim-neighbor-assert>

#### Usage

```

<pim-interfaces-information>
<pim-interface>
  <pim-neighbor>
    <pim-neighbor-assert>
      <multicast-group-address>
        multicast-group-address
      </multicast-group-address>
      <multicast-source-address>
        multicast-source-address
      </multicast-source-address>
      <assert-state>
        assert-state
      </assert-state>
      <pim-neighbor-address>
        pim-neighbor-address
      </pim-neighbor-address>
      <assert-timeout>
        assert-timeout
      </assert-timeout>
    </pim-neighbor-assert>
  </pim-neighbor>
</pim-interface>

```

</pim-interfaces-information>

#### Description

### <pim-neighbor-assert>

#### Usage

```
<pim-neighbors-information>
  <pim-interface>
    <pim-neighbor>
      <pim-neighbor-assert>
        <multicast-group-address>
          multicast-group-address
        </multicast-group-address>
        <multicast-source-address>
          multicast-source-address
        </multicast-source-address>
        <assert-state>
          assert-state
        </assert-state>
        <pim-neighbor-address>
          pim-neighbor-address
        </pim-neighbor-address>
        <assert-timeout>
          assert-timeout
        </assert-timeout>
      </pim-neighbor-assert>
    </pim-neighbor>
  </pim-interface>
</pim-neighbors-information>
```

#### Description

### <pim-neighbor-bfd>

#### Usage

```
<pim-interfaces-information>
  <pim-interface>
    <pim-neighbor>
      <pim-neighbor-bfd>
        <configuration-state>
          configuration-state
        </configuration-state>
        <operational-state>
          operational-state
        </operational-state>
      </pim-neighbor-bfd>
    </pim-neighbor>
  </pim-interface>
</pim-interfaces-information>
```

#### Description



## <pim-neighbor-bfd>

### Usage

```

<pim-neighbors-information>
  <pim-interface>
    <pim-neighbor>
      <pim-neighbor-bfd>
        <configuration-state>
          configuration-state
        </configuration-state>
        <operational-state>
          operational-state
        </operational-state>
      </pim-neighbor-bfd>
    </pim-neighbor>
  </pim-interface>
</pim-neighbors-information>

```

### Description

## <pim-neighbor-flags>

### Usage

```

<pim-interfaces-information>
  <pim-interface>
    <pim-neighbor>
      <pim-neighbor-flags>
        <pim-neighbor-hold-time-flag>
          pim-neighbor-hold-time-flag
        </pim-neighbor-hold-time-flag>
        <pim-neighbor-priority-flag>
          pim-neighbor-priority-flag
        </pim-neighbor-priority-flag>
        <pim-neighbor-lan-prune-flag>
          pim-neighbor-lan-prune-flag
        </pim-neighbor-lan-prune-flag>
        <pim-neighbor-generation-id-flag>
          pim-neighbor-generation-id-flag
        </pim-neighbor-generation-id-flag>
        <pim-neighbor-bidirectional-flag>
          pim-neighbor-bidirectional-flag
        </pim-neighbor-bidirectional-flag>
        <pim-neighbor-t-bit-flag>
          pim-neighbor-t-bit-flag
        </pim-neighbor-t-bit-flag>
      </pim-neighbor-flags>
    </pim-neighbor>
  </pim-interface>
</pim-interfaces-information>

```

### Description

## <pim-neighbor-flags>

### Usage

```
<pim-neighbors-information>
  <pim-interface>
    <pim-neighbor>
      <pim-neighbor-flags>
        <pim-neighbor-hold-time-flag>
          pim-neighbor-hold-time-flag
        </pim-neighbor-hold-time-flag>
        <pim-neighbor-priority-flag>
          pim-neighbor-priority-flag
        </pim-neighbor-priority-flag>
        <pim-neighbor-lan-prune-flag>
          pim-neighbor-lan-prune-flag
        </pim-neighbor-lan-prune-flag>
        <pim-neighbor-generation-id-flag>
          pim-neighbor-generation-id-flag
        </pim-neighbor-generation-id-flag>
        <pim-neighbor-bidirectional-flag>
          pim-neighbor-bidirectional-flag
        </pim-neighbor-bidirectional-flag>
        <pim-neighbor-t-bit-flag>
          pim-neighbor-t-bit-flag
        </pim-neighbor-t-bit-flag>
      </pim-neighbor-flags>
    </pim-neighbor>
  </pim-interface>
</pim-neighbors-information>
```

### Description

## <pim-neighbor-join>

### Usage

```
<pim-interfaces-information>
  <pim-interface>
    <pim-neighbor>
      <pim-neighbor-join>
        <multicast-group-address>
          multicast-group-address
        </multicast-group-address>
        <multicast-source-address>
          multicast-source-address
        </multicast-source-address>
        <join-timeout>
          join-timeout
        </join-timeout>
      </pim-neighbor-join>
    </pim-neighbor>
  </pim-interface>
</pim-interfaces-information>
```

## Description

## &lt;pim-neighbor-join&gt;

## Usage

```

<pim-neighbors-information>
  <pim-interface>
    <pim-neighbor>
      <pim-neighbor-join>
        <multicast-group-address>
          multicast-group-address
        </multicast-group-address>
        <multicast-source-address>
          multicast-source-address
        </multicast-source-address>
        <join-timeout>
          join-timeout
        </join-timeout>
      </pim-neighbor-join>
    </pim-neighbor>
  </pim-interface>
</pim-neighbors-information>

```

## Description

## &lt;pim-neighbors-information&gt;

## Usage

```

<pim-neighbors-information>
  <pim-instance>
    pim-instance
  </pim-instance>
  <pim-interface>....</pim-interface>
</pim-neighbors-information>

```

## Description

## &lt;pim-other-statistic&gt;

## Usage

```

<pim-statistics-information>
  <pim-statistics-all>
    <pim-statistics-other>
      <pim-other-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <statistic-count>
          statistic-count
        </statistic-count>
      </pim-other-statistic>
    </pim-statistics-other>
  </pim-statistics-all>

```

</pim-statistics-information>

#### Description

### <pim-other-statistic>

#### Usage

```
<pim-statistics-information>
  <everything>
    <pim-statistics-other>
      <pim-other-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <statistic-count>
          statistic-count
        </statistic-count>
      </pim-other-statistic>
    </pim-statistics-other>
  </everything>
</pim-statistics-information>
```

#### Description

### <pim-rps-information>

#### Usage

```
<pim-rps-information>
  <pim-instance>
    pim-instance
  </pim-instance>
  <rp-family>....</rp-family>
  <rendezvous-point-address-info>....</rendezvous-point-address-info>
</pim-rps-information>
```

#### Description

### <pim-source>

#### Usage

```
<pim-source-information>
  <source-family>
    <pim-source>
      <multicast-source-address>
        multicast-source-address
      </multicast-source-address>
      <route-prefix>
        route-prefix
      </route-prefix>
      <upstream-interface-name>
        upstream-interface-name
      </upstream-interface-name>
      <upstream-neighbor>
```

```
    upstream-neighbor
  </upstream-neighbor>
  <upstream-group>....</upstream-group>
</pim-source>
</source-family>
</pim-source-information>
```

#### Description

### <pim-source-information>

#### Usage

```
<pim-source-information>
  <source-family>....</source-family>
</pim-source-information>
```

#### Description

### <pim-statistic>

#### Usage

```
<pim-statistics-information>
  <statistics-family>
    <pim-statistics-interface>
      <pim-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <received-count>
          received-count
        </received-count>
        <sent-count>
          sent-count
        </sent-count>
        <error-count>
          error-count
        </error-count>
      </pim-statistic>
    </pim-statistics-interface>
  </statistics-family>
</pim-statistics-information>
```

#### Description

### <pim-statistic>

#### Usage

```
<pim-statistics-information>
  <pim-statistics-all>
    <pim-statistics-global>
      <pim-statistic>
        <statistic-name>
          statistic-name
```

```

</statistic-name>
<received-count>
  received-count
</received-count>
<sent-count>
  sent-count
</sent-count>
<error-count>
  error-count
</error-count>
</pim-statistic>
</pim-statistics-global>
</pim-statistics-all>
</pim-statistics-information>

```

## Description

### <pim-statistic>

#### Usage

```

<pim-statistics-information>
<everything>
  <pim-statistics-global>
    <pim-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <received-count>
        received-count
      </received-count>
      <sent-count>
        sent-count
      </sent-count>
      <error-count>
        error-count
      </error-count>
    </pim-statistic>
  </pim-statistics-global>
</everything>
</pim-statistics-information>

```

## Description

### <pim-statistics-all>

#### Usage

```

<pim-statistics-information>
<pim-statistics-all>
  <pim-instance>
    pim-instance
  </pim-instance>
  <pim-statistics-global>....</pim-statistics-global>
  <pim-statistics-other>....</pim-statistics-other>
</pim-statistics-all>

```

</pim-statistics-information>

#### Description

<pim-statistics-global>

#### Usage

```
<pim-statistics-information>
  <pim-statistics-all>
    <pim-statistics-global>
      <pim-statistic>....</pim-statistic>
    </pim-statistics-global>
  </pim-statistics-all>
</pim-statistics-information>
```

#### Description

<pim-statistics-global>

#### Usage

```
<pim-statistics-information>
  <everything>
    <pim-statistics-global>
      <pim-statistic>....</pim-statistic>
    </pim-statistics-global>
  </everything>
</pim-statistics-information>
```

#### Description

<pim-statistics-information>

#### Usage

```
<pim-statistics-information>
  <statistics-family>....</statistics-family>
  <pim-statistics-all>....</pim-statistics-all>
  <everything>....</everything>
</pim-statistics-information>
```

#### Description

<pim-statistics-interface>

#### Usage

```
<pim-statistics-information>
  <statistics-family>
    <pim-statistics-interface>
      <pim-interface-name>
        pim-interface-name
      </pim-interface-name>
      <pim-statistic>....</pim-statistic>
    </pim-statistics-interface>
```

```
</statistics-family>
</pim-statistics-information>
```

#### Description

### <pim-statistics-other>

#### Usage

```
<pim-statistics-information>
<pim-statistics-all>
  <pim-statistics-other>
    <pim-other-statistic>....</pim-other-statistic>
  </pim-statistics-other>
</pim-statistics-all>
</pim-statistics-information>
```

#### Description

### <pim-statistics-other>

#### Usage

```
<pim-statistics-information>
<everything>
  <pim-statistics-other>
    <pim-other-statistic>....</pim-other-statistic>
  </pim-statistics-other>
</everything>
</pim-statistics-information>
```

#### Description

### <prefix-element>

#### Usage

```
<isis-overview>
<isis-spf-information>
<isis-spf>
  <isis-spf-result>
    <prefix-element>
      <address-prefix>
        address-prefix
      </address-prefix>
      <prefix-metric>
        prefix-metric
      </prefix-metric>
      <external-prefix-metric>
        external-prefix-metric
      </external-prefix-metric>
    </prefix-element>
  </isis-spf-result>
</isis-spf>
</isis-spf-information>
```



```
</isis-overview>
```

#### Description

**<prefix-element>**

#### Usage

```
<isis-overview-information>
  <isis-overview>
    <isis-spf-information>
      <isis-spf>
        <isis-spf-result>
          <prefix-element>
            <address-prefix>
              address-prefix
            </address-prefix>
            <prefix-metric>
              prefix-metric
            </prefix-metric>
            <external-prefix-metric>
              external-prefix-metric
            </external-prefix-metric>
          </prefix-element>
        </isis-spf-result>
      </isis-spf>
    </isis-spf-information>
  </isis-overview>
</isis-overview-information>
```

#### Description

**<prefix-element>**

#### Usage

```
<isis-spf-result>
  <prefix-element>
    <address-prefix>
      address-prefix
    </address-prefix>
    <prefix-metric>
      prefix-metric
    </prefix-metric>
    <external-prefix-metric>
      external-prefix-metric
    </external-prefix-metric>
  </prefix-element>
</isis-spf-result>
```

#### Description

## <prefix-element>

### Usage

```
<isis-spf>
  <isis-spf-result>
    <prefix-element>
      <address-prefix>
        address-prefix
      </address-prefix>
      <prefix-metric>
        prefix-metric
      </prefix-metric>
      <external-prefix-metric>
        external-prefix-metric
      </external-prefix-metric>
    </prefix-element>
  </isis-spf-result>
</isis-spf>
```

### Description

## <prefix-element>

### Usage

```
<isis-spf-information>
  <isis-spf>
    <isis-spf-result>
      <prefix-element>
        <address-prefix>
          address-prefix
        </address-prefix>
        <prefix-metric>
          prefix-metric
        </prefix-metric>
        <external-prefix-metric>
          external-prefix-metric
        </external-prefix-metric>
      </prefix-element>
    </isis-spf-result>
  </isis-spf>
</isis-spf-information>
```

### Description

## <prefix-limit>

### Usage

```
<bgp-option-information>
  <prefix-limit>
    <nlri-type>
      nlri-type
    </nlri-type>
    <prefix-count>
```

```

    prefix-count
  </prefix-count>
  <limit-action>
    limit-action
  </limit-action>
  <warning-percentage>
    warning-percentage
  </warning-percentage>
</prefix-limit>
</bgp-option-information>

```

## Description

### <prefix-limit>

#### Usage

```

<bgp-peer>
  <bgp-option-information>
    <prefix-limit>
      <nlri-type>
        nlri-type
      </nlri-type>
      <prefix-count>
        prefix-count
      </prefix-count>
      <limit-action>
        limit-action
      </limit-action>
      <warning-percentage>
        warning-percentage
      </warning-percentage>
    </prefix-limit>
  </bgp-option-information>
</bgp-peer>

```

## Description

### <prefix-limit>

#### Usage

```

<bgp-group>
  <bgp-peer>
    <bgp-option-information>
      <prefix-limit>
        <nlri-type>
          nlri-type
        </nlri-type>
        <prefix-count>
          prefix-count
        </prefix-count>
        <limit-action>
          limit-action
        </limit-action>
        <warning-percentage>

```

```
        warning-percentage
      </warning-percentage>
    </prefix-limit>
  </bgp-option-information>
</bgp-peer>
</bgp-group>
```

#### Description

#### <prefix-limit>

##### Usage

```
<bgp-group>
  <bgp-option-information>
    <prefix-limit>
      <nlri-type>
        nlri-type
      </nlri-type>
      <prefix-count>
        prefix-count
      </prefix-count>
      <limit-action>
        limit-action
      </limit-action>
      <warning-percentage>
        warning-percentage
      </warning-percentage>
    </prefix-limit>
  </bgp-option-information>
</bgp-group>
```

#### Description

#### <prefix-limit>

##### Usage

```
<bgp-information>
  <bgp-peer>
    <bgp-option-information>
      <prefix-limit>
        <nlri-type>
          nlri-type
        </nlri-type>
        <prefix-count>
          prefix-count
        </prefix-count>
        <limit-action>
          limit-action
        </limit-action>
        <warning-percentage>
          warning-percentage
        </warning-percentage>
      </prefix-limit>
    </bgp-option-information>
```

```

    </bgp-peer>
  </bgp-information>

```

#### Description

#### <prefix-limit>

#### Usage

```

<bgp-group-information>
  <bgp-group>
    <bgp-peer>
      <bgp-option-information>
        <prefix-limit>
          <nlrri-type>
            nlri-type
          </nlri-type>
          <prefix-count>
            prefix-count
          </prefix-count>
          <limit-action>
            limit-action
          </limit-action>
          <warning-percentage>
            warning-percentage
          </warning-percentage>
        </prefix-limit>
      </bgp-option-information>
    </bgp-peer>
  </bgp-group>
</bgp-group-information>

```

#### Description

#### <prefix-limit>

#### Usage

```

<bgp-group-information>
  <bgp-group>
    <bgp-option-information>
      <prefix-limit>
        <nlrri-type>
          nlri-type
        </nlri-type>
        <prefix-count>
          prefix-count
        </prefix-count>
        <limit-action>
          limit-action
        </limit-action>
        <warning-percentage>
          warning-percentage
        </warning-percentage>
      </prefix-limit>
    </bgp-option-information>
  </bgp-group>
</bgp-group-information>

```

```
</bgp-group>
</bgp-group-information>
```

#### Description

### <prefix-limit>

#### Usage

```
<bgp-group-information>
<bgp-information>
  <bgp-peer>
    <bgp-option-information>
      <prefix-limit>
        <nlri-type>
          nlri-type
        </nlri-type>
        <prefix-count>
          prefix-count
        </prefix-count>
        <limit-action>
          limit-action
        </limit-action>
        <warning-percentage>
          warning-percentage
        </warning-percentage>
      </prefix-limit>
    </bgp-option-information>
  </bgp-peer>
</bgp-information>
</bgp-group-information>
```

#### Description

### <prefix-reachability>

#### Usage

```
<isis-database-local>
<isis-database-local-entry>
  <isis-database-local-data>
    <prefix-reachability>
      <address-prefix>
        address-prefix
      </address-prefix>
      <route-type>
        route-type
      </route-type>
      <metric>
        metric
      </metric>
      <flags>
        flags
      </flags>
      <level>
        level
      </level>
    </prefix-reachability>
  </isis-database-local-data>
</isis-database-local-entry>
</isis-database-local>
```

```

</level>
<isis-fragment>
  isis-fragment
</isis-fragment>
<tsi>
  tsi
</tsi>
<isis-topology-id>
  isis-topology-id
</isis-topology-id>
<isis-prefix-tag>....</isis-prefix-tag>
</prefix-reachability>
</isis-database-local-data>
</isis-database-local-entry>
</isis-database-local>

```

## Description

### <prefix-reachability>

#### Usage

```

<isis-database-local-information>
<isis-database-local>
  <isis-database-local-entry>
    <isis-database-local-data>
      <prefix-reachability>
        <address-prefix>
          address-prefix
        </address-prefix>
        <route-type>
          route-type
        </route-type>
        <metric>
          metric
        </metric>
        <flags>
          flags
        </flags>
        <level>
          level
        </level>
        <isis-fragment>
          isis-fragment
        </isis-fragment>
        <tsi>
          tsi
        </tsi>
        <isis-topology-id>
          isis-topology-id
        </isis-topology-id>
        <isis-prefix-tag>....</isis-prefix-tag>
      </prefix-reachability>
    </isis-database-local-data>
  </isis-database-local-entry>
</isis-database-local>

```

</isis-database-local-information>

## Description

<protocol-nh>

## Usage

```
<route-information>
<route-table>
<rt>
  <rt-entry>
    <protocol-nh>
      <to>
        to
      </to>
      <metric>
        metric
      </metric>
      <indirect-nh>
        indirect-nh
      </indirect-nh>
      <composite-nh>
        composite-nh
      </composite-nh>
      <vpnlabel-nh>
        vpnlabel-nh
      </vpnlabel-nh>
      <mpls-label>
        mpls-label
      </mpls-label>
      <balance>
        balance
      </balance>
      <flags>
        flags
      </flags>
      <forwarding-nh-count>
        forwarding-nh-count
      </forwarding-nh-count>
      <nh-type>
        nh-type
      </nh-type>
      <ext-int-type>
        ext-int-type
      </ext-int-type>
      <nh>....</nh>
    </protocol-nh>
  </rt-entry>
</rt>
</route-table>
</route-information>
```

**Description** Protocol next hop



**<protocol-nh>****Usage**

```

<route-resolution-information>
<route-resolution-tree>
  <node>
    <protocol-nh>
      <to>
        to
      </to>
      <metric>
        metric
      </metric>
      <indirect-nh>
        indirect-nh
      </indirect-nh>
      <composite-nh>
        composite-nh
      </composite-nh>
      <vpnlabel-nh>
        vpnlabel-nh
      </vpnlabel-nh>
      <mpls-label>
        mpls-label
      </mpls-label>
      <balance>
        balance
      </balance>
      <flags>
        flags
      </flags>
      <forwarding-nh-count>
        forwarding-nh-count
      </forwarding-nh-count>
      <nh-type>
        nh-type
      </nh-type>
      <ext-int-type>
        ext-int-type
      </ext-int-type>
      <nh>.....</nh>
    </protocol-nh>
  </node>
</route-resolution-tree>
</route-resolution-information>

```

**Description** Protocol next hop

**<protocol-nh>****Usage**

```

<route-summary-information>
<route-table>

```

```
<rt>
  <rt-entry>
    <protocol-nh>
      <to>
        to
      </to>
      <metric>
        metric
      </metric>
      <indirect-nh>
        indirect-nh
      </indirect-nh>
      <composite-nh>
        composite-nh
      </composite-nh>
      <vpnlabel-nh>
        vpnlabel-nh
      </vpnlabel-nh>
      <mpls-label>
        mpls-label
      </mpls-label>
      <balance>
        balance
      </balance>
      <flags>
        flags
      </flags>
      <forwarding-nh-count>
        forwarding-nh-count
      </forwarding-nh-count>
      <nh-type>
        nh-type
      </nh-type>
      <ext-int-type>
        ext-int-type
      </ext-int-type>
      <nh>....</nh>
    </protocol-nh>
  </rt-entry>
</rt>
</route-table>
</route-summary-information>
```

**Description** Protocol next hop

## <protocols>

### Usage

```
<route-information>
  <route-table>
    <protocols>
      <protocol-name>
        protocol-name
      </protocol-name>
```

```

    <protocol-route-count>
      protocol-route-count
    </protocol-route-count>
    <active-route-count>
      active-route-count
    </active-route-count>
  </protocols>
</route-table>
</route-information>

```

#### Description

#### <protocols>

##### Usage

```

<route-summary-information>
  <route-table>
    <protocols>
      <protocol-name>
        protocol-name
      </protocol-name>
      <protocol-route-count>
        protocol-route-count
      </protocol-route-count>
      <active-route-count>
        active-route-count
      </active-route-count>
    </protocols>
  </route-table>
</route-summary-information>

```

#### Description

#### <protocols-tlv>

##### Usage

```

<isis-tlv>
  <protocols-tlv>
    <protocol>
      protocol
    </protocol>
  </protocols-tlv>
</isis-tlv>

```

#### Description

#### <protocols-tlv>

##### Usage

```

<isis-database-entry>
  <isis-tlv>
    <protocols-tlv>
      <protocol>

```

```
    protocol
  </protocol>
</protocols-tlv>
</isis-tlv>
</isis-database-entry>
```

#### Description

### <protocols-tlv>

#### Usage

```
<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <protocols-tlv>
        <protocol>
          protocol
        </protocol>
      </protocols-tlv>
    </isis-tlv>
  </isis-database-entry>
</isis-database>
```

#### Description

### <protocols-tlv>

#### Usage

```
<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <protocols-tlv>
          <protocol>
            protocol
          </protocol>
        </protocols-tlv>
      </isis-tlv>
    </isis-database-entry>
  </isis-database>
</isis-database-information>
```

#### Description

### <provider-tunnel>

#### Usage

```
<instance>
  <provider-tunnel>
    <provider-tunnel-id>
      provider-tunnel-id
    </provider-tunnel-id>
  </provider-tunnel>
```

```
</instance>
```

#### Description

```
<provider-tunnel>
```

#### Usage

```
<l2vpn-connection-information>
  <instance>
    <provider-tunnel>
      <provider-tunnel-id>
        provider-tunnel-id
      </provider-tunnel-id>
    </provider-tunnel>
  </instance>
</l2vpn-connection-information>
```

#### Description

```
<provider-tunnel>
```

#### Usage

```
<vpls-connection-information>
  <instance>
    <provider-tunnel>
      <provider-tunnel-id>
        provider-tunnel-id
      </provider-tunnel-id>
    </provider-tunnel>
  </instance>
</vpls-connection-information>
```

#### Description

```
<provider-tunnel>
```

#### Usage

```
<vpls-statistics-information>
  <instance>
    <provider-tunnel>
      <provider-tunnel-id>
        provider-tunnel-id
      </provider-tunnel-id>
    </provider-tunnel>
  </instance>
</vpls-statistics-information>
```

#### Description

## <provider-tunnel>

### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <provider-tunnel>
      <provider-tunnel-id>
        provider-tunnel-id
      </provider-tunnel-id>
    </provider-tunnel>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

### Description

## <provider-tunnel>

### Usage

```
<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <provider-tunnel>
        <provider-tunnel-id>
          provider-tunnel-id
        </provider-tunnel-id>
      </provider-tunnel>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

### Description

## <provider-tunnel>

### Usage

```
<provider-tunnel>
  <provider-tunnel-id>
    provider-tunnel-id
  </provider-tunnel-id>
</provider-tunnel>
```

### Description

## <provider-tunnel>

### Usage

```
<instance-entry>
  <provider-tunnel>
    <provider-tunnel-id>
      provider-tunnel-id
    </provider-tunnel-id>
  </provider-tunnel>
```

```
</instance-entry>
```

#### Description

**<provider-tunnel>**

#### Usage

```
<mvpn-instance>
  <instance-entry>
    <provider-tunnel>
      <provider-tunnel-id>
        provider-tunnel-id
      </provider-tunnel-id>
    </provider-tunnel>
  </instance-entry>
</mvpn-instance>
```

#### Description

**<provider-tunnel>**

#### Usage

```
<mvpn-instance-information>
  <mvpn-instance>
    <instance-entry>
      <provider-tunnel>
        <provider-tunnel-id>
          provider-tunnel-id
        </provider-tunnel-id>
      </provider-tunnel>
    </instance-entry>
  </mvpn-instance>
</mvpn-instance-information>
```

#### Description

**<provider-tunnel>**

#### Usage

```
<mvpn-instance-information>
  <instance>
    <provider-tunnel>
      <provider-tunnel-id>
        provider-tunnel-id
      </provider-tunnel-id>
    </provider-tunnel>
  </instance>
</mvpn-instance-information>
```

#### Description

## <proxy-upstream-interface>

### Usage

```
<proxy-upstream-interface>
  <interface-name>
    interface-name
  </interface-name>
</proxy-upstream-interface>
```

### Description

## <proxy-upstream-interface>

### Usage

```
<mcast-pim-to-igmp-proxy-information>
  <mcast-pim-to-igmp-proxy>
    <proxy-upstream-interface>
      <interface-name>
        interface-name
      </interface-name>
    </proxy-upstream-interface>
  </mcast-pim-to-igmp-proxy>
</mcast-pim-to-igmp-proxy-information>
```

### Description

## <proxy-upstream-interface>

### Usage

```
<mcast-pim-to-mld-proxy-information>
  <mcast-pim-to-mld-proxy>
    <proxy-upstream-interface>
      <interface-name>
        interface-name
      </interface-name>
    </proxy-upstream-interface>
  </mcast-pim-to-mld-proxy>
</mcast-pim-to-mld-proxy-information>
```

### Description

## <reachability-tlv>

### Usage

```
<isis-tlv>
  <reachability-tlv>
    <isis-topology-id>
      isis-topology-id
    </isis-topology-id>
    <address-prefix>
      address-prefix
    </address-prefix>
```



```

<metric>
  metric
</metric>
<metric-flag>
  metric-flag
</metric-flag>
<reachability-delay>
  reachability-delay
</reachability-delay>
<reachability-expense>
  reachability-expense
</reachability-expense>
<reachability-error>
  reachability-error
</reachability-error>
<prefix-status>
  prefix-status
</prefix-status>
<address>
  address
</address>
<neighbor-prefix>
  neighbor-prefix
</neighbor-prefix>
<tlv-length>
  tlv-length
</tlv-length>
<isis-reachability-subtlv>....</isis-reachability-subtlv>
</reachability-tlv>
</isis-tlv>

```

## Description

### <reachability-tlv>

#### Usage

```

<isis-database-entry>
<isis-tlv>
  <reachability-tlv>
    <isis-topology-id>
      isis-topology-id
    </isis-topology-id>
    <address-prefix>
      address-prefix
    </address-prefix>
    <metric>
      metric
    </metric>
    <metric-flag>
      metric-flag
    </metric-flag>
    <reachability-delay>
      reachability-delay
    </reachability-delay>
    <reachability-expense>

```

```
    reachability-expense
  </reachability-expense>
  <reachability-error>
    reachability-error
  </reachability-error>
  <prefix-status>
    prefix-status
  </prefix-status>
  <address>
    address
  </address>
  <neighbor-prefix>
    neighbor-prefix
  </neighbor-prefix>
  <tlv-length>
    tlv-length
  </tlv-length>
  <isis-reachability-subtlv>....</isis-reachability-subtlv>
</reachability-tlv>
</isis-tlv>
</isis-database-entry>
```

## Description

### <reachability-tlv>

#### Usage

```
<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <reachability-tlv>
        <isis-topology-id>
          isis-topology-id
        </isis-topology-id>
        <address-prefix>
          address-prefix
        </address-prefix>
        <metric>
          metric
        </metric>
        <metric-flag>
          metric-flag
        </metric-flag>
        <reachability-delay>
          reachability-delay
        </reachability-delay>
        <reachability-expense>
          reachability-expense
        </reachability-expense>
        <reachability-error>
          reachability-error
        </reachability-error>
        <prefix-status>
          prefix-status
        </prefix-status>
```

```

<address>
  address
</address>
<neighbor-prefix>
  neighbor-prefix
</neighbor-prefix>
<tlv-length>
  tlv-length
</tlv-length>
<isis-reachability-subtlv>....</isis-reachability-subtlv>
</reachability-tlv>
</isis-tlv>
</isis-database-entry>
</isis-database>

```

## Description

### <reachability-tlv>

#### Usage

```

<isis-database-information>
<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <reachability-tlv>
        <isis-topology-id>
          isis-topology-id
        </isis-topology-id>
        <address-prefix>
          address-prefix
        </address-prefix>
        <metric>
          metric
        </metric>
        <metric-flag>
          metric-flag
        </metric-flag>
        <reachability-delay>
          reachability-delay
        </reachability-delay>
        <reachability-expense>
          reachability-expense
        </reachability-expense>
        <reachability-error>
          reachability-error
        </reachability-error>
        <prefix-status>
          prefix-status
        </prefix-status>
        <address>
          address
        </address>
        <neighbor-prefix>
          neighbor-prefix
        </neighbor-prefix>

```

```
<tlv-length>
  tlv-length
</tlv-length>
<isis-reachability-subtlv>.....</isis-reachability-subtlv>
</reachability-tlv>
</isis-tlv>
</isis-database-entry>
</isis-database>
</isis-database-information>
```

## Description

### <record-route>

#### Usage

```
<rsvp-session-data>
  <rsvp-session>
    <record-route>
      <address>
        address
      </address>
      <telink-id>
        telink-id
      </telink-id>
      <self>
        self
      </self>
      <incomplete>
        incomplete
      </incomplete>
    </record-route>
  </rsvp-session>
</rsvp-session-data>
```

**Description**    Record Route Object (RRO)

### <record-route>

#### Usage

```
<rsvp-session-data>
  <rsvp-session>
    <detour>
      <record-route>
        <address>
          address
        </address>
        <telink-id>
          telink-id
        </telink-id>
        <self>
          self
        </self>
        <incomplete>
```

```
        incomplete
      </incomplete>
    </record-route>
  </detour>
</rsvp-session>
</rsvp-session-data>
```

**Description** Record Route Object (RRO)

### <record-route>

#### Usage

```
<rsvp-session-data>
  <rsvp-session>
    <detour-branch>
      <record-route>
        <address>
          address
        </address>
        <telink-id>
          telink-id
        </telink-id>
        <self>
          self
        </self>
        <incomplete>
          incomplete
        </incomplete>
      </record-route>
    </detour-branch>
  </rsvp-session>
</rsvp-session-data>
```

**Description** Record Route Object (RRO)

### <record-route>

#### Usage

```
<rsvp-session>
  <record-route>
    <address>
      address
    </address>
    <telink-id>
      telink-id
    </telink-id>
    <self>
      self
    </self>
    <incomplete>
      incomplete
    </incomplete>
```

```
</record-route>
</rsvp-session>
```

**Description** Record Route Object (RRO)

### <record-route>

#### Usage

```
<rsvp-session>
<detour>
  <record-route>
    <address>
      address
    </address>
    <telink-id>
      telink-id
    </telink-id>
    <self>
      self
    </self>
    <incomplete>
      incomplete
    </incomplete>
  </record-route>
</detour>
</rsvp-session>
```

**Description** Record Route Object (RRO)

### <record-route>

#### Usage

```
<rsvp-session>
<detour-branch>
  <record-route>
    <address>
      address
    </address>
    <telink-id>
      telink-id
    </telink-id>
    <self>
      self
    </self>
    <incomplete>
      incomplete
    </incomplete>
  </record-route>
</detour-branch>
</rsvp-session>
```

**Description**    Record Route Object (RRO)

### <record-route>

**Usage**

```
<detour>
  <record-route>
    <address>
      address
    </address>
    <telink-id>
      telink-id
    </telink-id>
    <self>
      self
    </self>
    <incomplete>
      incomplete
    </incomplete>
  </record-route>
</detour>
```

**Description**    Record Route Object (RRO)

### <record-route>

**Usage**

```
<detour-branch>
  <record-route>
    <address>
      address
    </address>
    <telink-id>
      telink-id
    </telink-id>
    <self>
      self
    </self>
    <incomplete>
      incomplete
    </incomplete>
  </record-route>
</detour-branch>
```

**Description**    Record Route Object (RRO)

### <record-route>

**Usage**

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
```

```

<record-route>
  <address>
    address
  </address>
  <telink-id>
    telink-id
  </telink-id>
  <self>
    self
  </self>
  <incomplete>
    incomplete
  </incomplete>
</record-route>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>

```

**Description** Record Route Object (RRO)

## <record-route>

### Usage

```

<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <detour>
        <record-route>
          <address>
            address
          </address>
          <telink-id>
            telink-id
          </telink-id>
          <self>
            self
          </self>
          <incomplete>
            incomplete
          </incomplete>
        </record-route>
      </detour>
    </rsvp-session>
  </rsvp-session-data>
</rsvp-session-information>

```

**Description** Record Route Object (RRO)

## <record-route>

### Usage

```

<rsvp-session-information>

```



```
<rsvp-session-data>
  <rsvp-session>
    <detour-branch>
      <record-route>
        <address>
          address
        </address>
        <telink-id>
          telink-id
        </telink-id>
        <self>
          self
        </self>
        <incomplete>
          incomplete
        </incomplete>
      </record-route>
    </detour-branch>
  </rsvp-session>
</rsvp-session-data>
</rsvp-session-information>
```

**Description**    Record Route Object (RRO)

### <record-route>

#### Usage

```
<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <record-route>
        <address>
          address
        </address>
        <telink-id>
          telink-id
        </telink-id>
        <self>
          self
        </self>
        <incomplete>
          incomplete
        </incomplete>
      </record-route>
    </rsvp-session>
  </rsvp-session-data>
</mpls-lsp-information>
```

**Description**    Record Route Object (RRO)

## <record-route>

### Usage

```
<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <detour>
        <record-route>
          <address>
            address
          </address>
          <telink-id>
            telink-id
          </telink-id>
          <self>
            self
          </self>
          <incomplete>
            incomplete
          </incomplete>
        </record-route>
      </detour>
    </rsvp-session>
  </rsvp-session-data>
</mpls-lsp-information>
```

**Description**    Record Route Object (RRO)

## <record-route>

### Usage

```
<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <detour-branch>
        <record-route>
          <address>
            address
          </address>
          <telink-id>
            telink-id
          </telink-id>
          <self>
            self
          </self>
          <incomplete>
            incomplete
          </incomplete>
        </record-route>
      </detour-branch>
    </rsvp-session>
  </rsvp-session-data>
```

```
</mpls-lsp-information>
```

**Description** Record Route Object (RRO)

### <redundant-sources>

#### Usage

```
<multicast-flow-maps-information>
  <multicast-flow-maps>
    <multicast-flow-map>
      <redundant-sources>
        <multicast-source-address>
          multicast-source-address
        </multicast-source-address>
      </redundant-sources>
    </multicast-flow-map>
  </multicast-flow-maps>
</multicast-flow-maps-information>
```

**Description** Redundant source addresses

### <reference-site>

#### Usage

```
<instance>
  <reference-site>
    <vpls-signaling-protocol-identifier>
      vpls-signaling-protocol-identifier
    </vpls-signaling-protocol-identifier>
    <local-site-id>
      local-site-id
    </local-site-id>
    <vpls-id>
      vpls-id
    </vpls-id>
    <l2vpn-id>
      l2vpn-id
    </l2vpn-id>
    <local-id>
      local-id
    </local-id>
    <num-local-interfaces>
      num-local-interfaces
    </num-local-interfaces>
    <num-local-interfaces-up>
      num-local-interfaces-up
    </num-local-interfaces-up>
    <irb-present>
      irb-present
    </irb-present>
    <mesh-group-count>
      mesh-group-count
  </reference-site>
</instance>
```

```
</mesh-group-count>
<mesh-group-up-count>
  mesh-group-up-count
</mesh-group-up-count>
<remote-site-id>
  remote-site-id
</remote-site-id>
<mesh-group-interfaces>....</mesh-group-interfaces>
<interface>
  interface
</interface>
<label-block>....</label-block>
<connection>....</connection>
<mesh-group-connection>....</mesh-group-connection>
<automatic-site-name>
  automatic-site-name
</automatic-site-name>
<automatic-site-id-status>
  automatic-site-id-status
</automatic-site-id-status>
<automatic-site-claim-id>
  automatic-site-claim-id
</automatic-site-claim-id>
<automatic-site-collisions>
  automatic-site-collisions
</automatic-site-collisions>
<automatic-site-timer-status>
  automatic-site-timer-status
</automatic-site-timer-status>
<automatic-site-timers>....</automatic-site-timers>
<connections-summary>....</connections-summary>
</reference-site>
</instance>
```

## Description

<reference-site>

## Usage

```
<instance>
<vpls-protocol-state>
  <reference-site>
    <vpls-signaling-protocol-identifier>
      vpls-signaling-protocol-identifier
    </vpls-signaling-protocol-identifier>
    <local-site-id>
      local-site-id
    </local-site-id>
    <vpls-id>
      vpls-id
    </vpls-id>
    <l2vpn-id>
      l2vpn-id
    </l2vpn-id>
    <local-id>
```

```

    local-id
  </local-id>
  <num-local-interfaces>
    num-local-interfaces
  </num-local-interfaces>
  <num-local-interfaces-up>
    num-local-interfaces-up
  </num-local-interfaces-up>
  <irb-present>
    irb-present
  </irb-present>
  <mesh-group-count>
    mesh-group-count
  </mesh-group-count>
  <mesh-group-up-count>
    mesh-group-up-count
  </mesh-group-up-count>
  <remote-site-id>
    remote-site-id
  </remote-site-id>
  <mesh-group-interfaces>....</mesh-group-interfaces>
  <interface>
    interface
  </interface>
  <label-block>....</label-block>
  <connection>....</connection>
  <mesh-group-connection>....</mesh-group-connection>
  <automatic-site-name>
    automatic-site-name
  </automatic-site-name>
  <automatic-site-id-status>
    automatic-site-id-status
  </automatic-site-id-status>
  <automatic-site-claim-id>
    automatic-site-claim-id
  </automatic-site-claim-id>
  <automatic-site-collisions>
    automatic-site-collisions
  </automatic-site-collisions>
  <automatic-site-timer-status>
    automatic-site-timer-status
  </automatic-site-timer-status>
  <automatic-site-timers>....</automatic-site-timers>
  <connections-summary>....</connections-summary>
</reference-site>
</vpls-protocol-state>
</instance>

```

## Description

<reference-site>

## Usage

```

<l2vpn-connection-information>
<instance>

```

```
<reference-site>
  <vpls-signaling-protocol-identifier>
    vpls-signaling-protocol-identifier
  </vpls-signaling-protocol-identifier>
  <local-site-id>
    local-site-id
  </local-site-id>
  <vpls-id>
    vpls-id
  </vpls-id>
  <l2vpn-id>
    l2vpn-id
  </l2vpn-id>
  <local-id>
    local-id
  </local-id>
  <num-local-interfaces>
    num-local-interfaces
  </num-local-interfaces>
  <num-local-interfaces-up>
    num-local-interfaces-up
  </num-local-interfaces-up>
  <irb-present>
    irb-present
  </irb-present>
  <mesh-group-count>
    mesh-group-count
  </mesh-group-count>
  <mesh-group-up-count>
    mesh-group-up-count
  </mesh-group-up-count>
  <remote-site-id>
    remote-site-id
  </remote-site-id>
  <mesh-group-interfaces>....</mesh-group-interfaces>
  <interface>
    interface
  </interface>
  <label-block>....</label-block>
  <connection>....</connection>
  <mesh-group-connection>....</mesh-group-connection>
  <automatic-site-name>
    automatic-site-name
  </automatic-site-name>
  <automatic-site-id-status>
    automatic-site-id-status
  </automatic-site-id-status>
  <automatic-site-claim-id>
    automatic-site-claim-id
  </automatic-site-claim-id>
  <automatic-site-collisions>
    automatic-site-collisions
  </automatic-site-collisions>
  <automatic-site-timer-status>
    automatic-site-timer-status
  </automatic-site-timer-status>
```

```

    <automatic-site-timers>....</automatic-site-timers>
    <connections-summary>....</connections-summary>
  </reference-site>
</instance>
</l2vpn-connection-information>

```

## Description

### <reference-site>

#### Usage

```

<l2vpn-connection-information>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <vpls-signaling-protocol-identifier>
        vpls-signaling-protocol-identifier
      </vpls-signaling-protocol-identifier>
      <local-site-id>
        local-site-id
      </local-site-id>
      <vpls-id>
        vpls-id
      </vpls-id>
      <l2vpn-id>
        l2vpn-id
      </l2vpn-id>
      <local-id>
        local-id
      </local-id>
      <num-local-interfaces>
        num-local-interfaces
      </num-local-interfaces>
      <num-local-interfaces-up>
        num-local-interfaces-up
      </num-local-interfaces-up>
      <irb-present>
        irb-present
      </irb-present>
      <mesh-group-count>
        mesh-group-count
      </mesh-group-count>
      <mesh-group-up-count>
        mesh-group-up-count
      </mesh-group-up-count>
      <remote-site-id>
        remote-site-id
      </remote-site-id>
      <mesh-group-interfaces>....</mesh-group-interfaces>
      <interface>
        interface
      </interface>
      <label-block>....</label-block>
      <connection>....</connection>
      <mesh-group-connection>....</mesh-group-connection>
    </reference-site>
  </vpls-protocol-state>
</instance>
</l2vpn-connection-information>

```

```
<automatic-site-name>
  automatic-site-name
</automatic-site-name>
<automatic-site-id-status>
  automatic-site-id-status
</automatic-site-id-status>
<automatic-site-claim-id>
  automatic-site-claim-id
</automatic-site-claim-id>
<automatic-site-collisions>
  automatic-site-collisions
</automatic-site-collisions>
<automatic-site-timer-status>
  automatic-site-timer-status
</automatic-site-timer-status>
<automatic-site-timers>.....</automatic-site-timers>
<connections-summary>.....</connections-summary>
</reference-site>
</vpls-protocol-state>
</instance>
</l2vpn-connection-information>
```

## Description

### <reference-site>

#### Usage

```
<vpls-connection-information>
<instance>
  <reference-site>
    <vpls-signaling-protocol-identifier>
      vpls-signaling-protocol-identifier
    </vpls-signaling-protocol-identifier>
    <local-site-id>
      local-site-id
    </local-site-id>
    <vpls-id>
      vpls-id
    </vpls-id>
    <l2vpn-id>
      l2vpn-id
    </l2vpn-id>
    <local-id>
      local-id
    </local-id>
    <num-local-interfaces>
      num-local-interfaces
    </num-local-interfaces>
    <num-local-interfaces-up>
      num-local-interfaces-up
    </num-local-interfaces-up>
    <irb-present>
      irb-present
    </irb-present>
    <mesh-group-count>
```



```

    mesh-group-count
  </mesh-group-count>
  <mesh-group-up-count>
    mesh-group-up-count
  </mesh-group-up-count>
  <remote-site-id>
    remote-site-id
  </remote-site-id>
  <mesh-group-interfaces>....</mesh-group-interfaces>
  <interface>
    interface
  </interface>
  <label-block>....</label-block>
  <connection>....</connection>
  <mesh-group-connection>....</mesh-group-connection>
  <automatic-site-name>
    automatic-site-name
  </automatic-site-name>
  <automatic-site-id-status>
    automatic-site-id-status
  </automatic-site-id-status>
  <automatic-site-claim-id>
    automatic-site-claim-id
  </automatic-site-claim-id>
  <automatic-site-collisions>
    automatic-site-collisions
  </automatic-site-collisions>
  <automatic-site-timer-status>
    automatic-site-timer-status
  </automatic-site-timer-status>
  <automatic-site-timers>....</automatic-site-timers>
  <connections-summary>....</connections-summary>
</reference-site>
</instance>
</vpls-connection-information>

```

## Description

### <reference-site>

#### Usage

```

<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <vpls-signaling-protocol-identifier>
          vpls-signaling-protocol-identifier
        </vpls-signaling-protocol-identifier>
        <local-site-id>
          local-site-id
        </local-site-id>
        <vpls-id>
          vpls-id
        </vpls-id>
        <l2vpn-id>

```

```
    l2vpn-id
  </l2vpn-id>
  <local-id>
    local-id
  </local-id>
  <num-local-interfaces>
    num-local-interfaces
  </num-local-interfaces>
  <num-local-interfaces-up>
    num-local-interfaces-up
  </num-local-interfaces-up>
  <irb-present>
    irb-present
  </irb-present>
  <mesh-group-count>
    mesh-group-count
  </mesh-group-count>
  <mesh-group-up-count>
    mesh-group-up-count
  </mesh-group-up-count>
  <remote-site-id>
    remote-site-id
  </remote-site-id>
  <mesh-group-interfaces>....</mesh-group-interfaces>
  <interface>
    interface
  </interface>
  <label-block>....</label-block>
  <connection>....</connection>
  <mesh-group-connection>....</mesh-group-connection>
  <automatic-site-name>
    automatic-site-name
  </automatic-site-name>
  <automatic-site-id-status>
    automatic-site-id-status
  </automatic-site-id-status>
  <automatic-site-claim-id>
    automatic-site-claim-id
  </automatic-site-claim-id>
  <automatic-site-collisions>
    automatic-site-collisions
  </automatic-site-collisions>
  <automatic-site-timer-status>
    automatic-site-timer-status
  </automatic-site-timer-status>
  <automatic-site-timers>....</automatic-site-timers>
  <connections-summary>....</connections-summary>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-connection-information>
```

## Description

## &lt;reference-site&gt;

## Usage

```

<vpls-statistics-information>
  <instance>
    <reference-site>
      <vpls-signaling-protocol-identifier>
        vpls-signaling-protocol-identifier
      </vpls-signaling-protocol-identifier>
      <local-site-id>
        local-site-id
      </local-site-id>
      <vpls-id>
        vpls-id
      </vpls-id>
      <l2vpn-id>
        l2vpn-id
      </l2vpn-id>
      <local-id>
        local-id
      </local-id>
      <num-local-interfaces>
        num-local-interfaces
      </num-local-interfaces>
      <num-local-interfaces-up>
        num-local-interfaces-up
      </num-local-interfaces-up>
      <irb-present>
        irb-present
      </irb-present>
      <mesh-group-count>
        mesh-group-count
      </mesh-group-count>
      <mesh-group-up-count>
        mesh-group-up-count
      </mesh-group-up-count>
      <remote-site-id>
        remote-site-id
      </remote-site-id>
      <mesh-group-interfaces>....</mesh-group-interfaces>
      <interface>
        interface
      </interface>
      <label-block>....</label-block>
      <connection>....</connection>
      <mesh-group-connection>....</mesh-group-connection>
      <automatic-site-name>
        automatic-site-name
      </automatic-site-name>
      <automatic-site-id-status>
        automatic-site-id-status
      </automatic-site-id-status>
      <automatic-site-claim-id>
        automatic-site-claim-id
      </automatic-site-claim-id>

```

```
<automatic-site-collisions>
  automatic-site-collisions
</automatic-site-collisions>
<automatic-site-timer-status>
  automatic-site-timer-status
</automatic-site-timer-status>
<automatic-site-timers>....</automatic-site-timers>
<connections-summary>....</connections-summary>
</reference-site>
</instance>
</vpls-statistics-information>
```

## Description

### <reference-site>

#### Usage

```
<vpls-statistics-information>
<instance>
<vpls-protocol-state>
  <reference-site>
    <vpls-signaling-protocol-identifier>
      vpls-signaling-protocol-identifier
    </vpls-signaling-protocol-identifier>
    <local-site-id>
      local-site-id
    </local-site-id>
    <vpls-id>
      vpls-id
    </vpls-id>
    <l2vpn-id>
      l2vpn-id
    </l2vpn-id>
    <local-id>
      local-id
    </local-id>
    <num-local-interfaces>
      num-local-interfaces
    </num-local-interfaces>
    <num-local-interfaces-up>
      num-local-interfaces-up
    </num-local-interfaces-up>
    <irb-present>
      irb-present
    </irb-present>
    <mesh-group-count>
      mesh-group-count
    </mesh-group-count>
    <mesh-group-up-count>
      mesh-group-up-count
    </mesh-group-up-count>
    <remote-site-id>
      remote-site-id
    </remote-site-id>
    <mesh-group-interfaces>....</mesh-group-interfaces>
```

```

<interface>
  interface
</interface>
<label-block>....</label-block>
<connection>....</connection>
<mesh-group-connection>....</mesh-group-connection>
<automatic-site-name>
  automatic-site-name
</automatic-site-name>
<automatic-site-id-status>
  automatic-site-id-status
</automatic-site-id-status>
<automatic-site-claim-id>
  automatic-site-claim-id
</automatic-site-claim-id>
<automatic-site-collisions>
  automatic-site-collisions
</automatic-site-collisions>
<automatic-site-timer-status>
  automatic-site-timer-status
</automatic-site-timer-status>
<automatic-site-timers>....</automatic-site-timers>
<connections-summary>....</connections-summary>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-statistics-information>

```

## Description

### <reference-site>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <vpls-signaling-protocol-identifier>
        vpls-signaling-protocol-identifier
      </vpls-signaling-protocol-identifier>
      <local-site-id>
        local-site-id
      </local-site-id>
      <vpls-id>
        vpls-id
      </vpls-id>
      <l2vpn-id>
        l2vpn-id
      </l2vpn-id>
      <local-id>
        local-id
      </local-id>
      <num-local-interfaces>
        num-local-interfaces
      </num-local-interfaces>
      <num-local-interfaces-up>

```

```
    num-local-interfaces-up
  </num-local-interfaces-up>
  <irb-present>
    irb-present
  </irb-present>
  <mesh-group-count>
    mesh-group-count
  </mesh-group-count>
  <mesh-group-up-count>
    mesh-group-up-count
  </mesh-group-up-count>
  <remote-site-id>
    remote-site-id
  </remote-site-id>
  <mesh-group-interfaces>....</mesh-group-interfaces>
  <interface>
    interface
  </interface>
  <label-block>....</label-block>
  <connection>....</connection>
  <mesh-group-connection>....</mesh-group-connection>
  <automatic-site-name>
    automatic-site-name
  </automatic-site-name>
  <automatic-site-id-status>
    automatic-site-id-status
  </automatic-site-id-status>
  <automatic-site-claim-id>
    automatic-site-claim-id
  </automatic-site-claim-id>
  <automatic-site-collisions>
    automatic-site-collisions
  </automatic-site-collisions>
  <automatic-site-timer-status>
    automatic-site-timer-status
  </automatic-site-timer-status>
  <automatic-site-timers>....</automatic-site-timers>
  <connections-summary>....</connections-summary>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

## Description

### <reference-site>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <vpls-signaling-protocol-identifier>
          vpls-signaling-protocol-identifier
        </vpls-signaling-protocol-identifier>
        <local-site-id>
```

```

    local-site-id
  </local-site-id>
  <vpls-id>
    vpls-id
  </vpls-id>
  <l2vpn-id>
    l2vpn-id
  </l2vpn-id>
  <local-id>
    local-id
  </local-id>
  <num-local-interfaces>
    num-local-interfaces
  </num-local-interfaces>
  <num-local-interfaces-up>
    num-local-interfaces-up
  </num-local-interfaces-up>
  <irb-present>
    irb-present
  </irb-present>
  <mesh-group-count>
    mesh-group-count
  </mesh-group-count>
  <mesh-group-up-count>
    mesh-group-up-count
  </mesh-group-up-count>
  <remote-site-id>
    remote-site-id
  </remote-site-id>
  <mesh-group-interfaces>....</mesh-group-interfaces>
  <interface>
    interface
  </interface>
  <label-block>....</label-block>
  <connection>....</connection>
  <mesh-group-connection>....</mesh-group-connection>
  <automatic-site-name>
    automatic-site-name
  </automatic-site-name>
  <automatic-site-id-status>
    automatic-site-id-status
  </automatic-site-id-status>
  <automatic-site-claim-id>
    automatic-site-claim-id
  </automatic-site-claim-id>
  <automatic-site-collisions>
    automatic-site-collisions
  </automatic-site-collisions>
  <automatic-site-timer-status>
    automatic-site-timer-status
  </automatic-site-timer-status>
  <automatic-site-timers>....</automatic-site-timers>
  <connections-summary>....</connections-summary>
</reference-site>
</vpls-protocol-state>
</instance>

```

</vpls-ldp-dynamic-interface-repository-entity>

## Description

### <reference-site>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <vpls-signaling-protocol-identifier>
        vpls-signaling-protocol-identifier
      </vpls-signaling-protocol-identifier>
      <local-site-id>
        local-site-id
      </local-site-id>
      <vpls-id>
        vpls-id
      </vpls-id>
      <l2vpn-id>
        l2vpn-id
      </l2vpn-id>
      <local-id>
        local-id
      </local-id>
      <num-local-interfaces>
        num-local-interfaces
      </num-local-interfaces>
      <num-local-interfaces-up>
        num-local-interfaces-up
      </num-local-interfaces-up>
      <irb-present>
        irb-present
      </irb-present>
      <mesh-group-count>
        mesh-group-count
      </mesh-group-count>
      <mesh-group-up-count>
        mesh-group-up-count
      </mesh-group-up-count>
      <remote-site-id>
        remote-site-id
      </remote-site-id>
      <mesh-group-interfaces>....</mesh-group-interfaces>
      <interface>
        interface
      </interface>
      <label-block>....</label-block>
      <connection>....</connection>
      <mesh-group-connection>....</mesh-group-connection>
      <automatic-site-name>
        automatic-site-name
      </automatic-site-name>
      <automatic-site-id-status>
```



```

    automatic-site-id-status
  </automatic-site-id-status>
  <automatic-site-claim-id>
    automatic-site-claim-id
  </automatic-site-claim-id>
  <automatic-site-collisions>
    automatic-site-collisions
  </automatic-site-collisions>
  <automatic-site-timer-status>
    automatic-site-timer-status
  </automatic-site-timer-status>
  <automatic-site-timers>....</automatic-site-timers>
  <connections-summary>....</connections-summary>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

## Description

### <reference-site>

#### Usage

```

<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <vpls-protocol-state>
        <reference-site>
          <vpls-signaling-protocol-identifier>
            vpls-signaling-protocol-identifier
          </vpls-signaling-protocol-identifier>
          <local-site-id>
            local-site-id
          </local-site-id>
          <vpls-id>
            vpls-id
          </vpls-id>
          <l2vpn-id>
            l2vpn-id
          </l2vpn-id>
          <local-id>
            local-id
          </local-id>
          <num-local-interfaces>
            num-local-interfaces
          </num-local-interfaces>
          <num-local-interfaces-up>
            num-local-interfaces-up
          </num-local-interfaces-up>
          <irb-present>
            irb-present
          </irb-present>
          <mesh-group-count>
            mesh-group-count
          </mesh-group-count>
        </reference-site>
      </vpls-protocol-state>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

```
<mesh-group-up-count>
  mesh-group-up-count
</mesh-group-up-count>
<remote-site-id>
  remote-site-id
</remote-site-id>
<mesh-group-interfaces>....</mesh-group-interfaces>
<interface>
  interface
</interface>
<label-block>....</label-block>
<connection>....</connection>
<mesh-group-connection>....</mesh-group-connection>
<automatic-site-name>
  automatic-site-name
</automatic-site-name>
<automatic-site-id-status>
  automatic-site-id-status
</automatic-site-id-status>
<automatic-site-claim-id>
  automatic-site-claim-id
</automatic-site-claim-id>
<automatic-site-collisions>
  automatic-site-collisions
</automatic-site-collisions>
<automatic-site-timer-status>
  automatic-site-timer-status
</automatic-site-timer-status>
<automatic-site-timers>....</automatic-site-timers>
<connections-summary>....</connections-summary>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

## Description

### <reference-site>

#### Usage

```
<mvpn-instance-information>
<instance>
  <reference-site>
    <vpls-signaling-protocol-identifier>
      vpls-signaling-protocol-identifier
    </vpls-signaling-protocol-identifier>
    <local-site-id>
      local-site-id
    </local-site-id>
    <vpls-id>
      vpls-id
    </vpls-id>
    <l2vpn-id>
      l2vpn-id
```

```

</l2vpn-id>
<local-id>
  local-id
</local-id>
<num-local-interfaces>
  num-local-interfaces
</num-local-interfaces>
<num-local-interfaces-up>
  num-local-interfaces-up
</num-local-interfaces-up>
<irb-present>
  irb-present
</irb-present>
<mesh-group-count>
  mesh-group-count
</mesh-group-count>
<mesh-group-up-count>
  mesh-group-up-count
</mesh-group-up-count>
<remote-site-id>
  remote-site-id
</remote-site-id>
<mesh-group-interfaces>....</mesh-group-interfaces>
<interface>
  interface
</interface>
<label-block>....</label-block>
<connection>....</connection>
<mesh-group-connection>....</mesh-group-connection>
<automatic-site-name>
  automatic-site-name
</automatic-site-name>
<automatic-site-id-status>
  automatic-site-id-status
</automatic-site-id-status>
<automatic-site-claim-id>
  automatic-site-claim-id
</automatic-site-claim-id>
<automatic-site-collisions>
  automatic-site-collisions
</automatic-site-collisions>
<automatic-site-timer-status>
  automatic-site-timer-status
</automatic-site-timer-status>
<automatic-site-timers>....</automatic-site-timers>
<connections-summary>....</connections-summary>
</reference-site>
</instance>
</mvpn-instance-information>

```

## Description

## &lt;reference-site&gt;

## Usage

```
<mvpn-instance-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <vpls-signaling-protocol-identifier>
          vpls-signaling-protocol-identifier
        </vpls-signaling-protocol-identifier>
        <local-site-id>
          local-site-id
        </local-site-id>
        <vpls-id>
          vpls-id
        </vpls-id>
        <l2vpn-id>
          l2vpn-id
        </l2vpn-id>
        <local-id>
          local-id
        </local-id>
        <num-local-interfaces>
          num-local-interfaces
        </num-local-interfaces>
        <num-local-interfaces-up>
          num-local-interfaces-up
        </num-local-interfaces-up>
        <irb-present>
          irb-present
        </irb-present>
        <mesh-group-count>
          mesh-group-count
        </mesh-group-count>
        <mesh-group-up-count>
          mesh-group-up-count
        </mesh-group-up-count>
        <remote-site-id>
          remote-site-id
        </remote-site-id>
        <mesh-group-interfaces>....</mesh-group-interfaces>
        <interface>
          interface
        </interface>
        <label-block>....</label-block>
        <connection>....</connection>
        <mesh-group-connection>....</mesh-group-connection>
        <automatic-site-name>
          automatic-site-name
        </automatic-site-name>
        <automatic-site-id-status>
          automatic-site-id-status
        </automatic-site-id-status>
        <automatic-site-claim-id>
          automatic-site-claim-id
```

```

</automatic-site-claim-id>
<automatic-site-collisions>
  automatic-site-collisions
</automatic-site-collisions>
<automatic-site-timer-status>
  automatic-site-timer-status
</automatic-site-timer-status>
<automatic-site-timers>....</automatic-site-timers>
<connections-summary>....</connections-summary>
</reference-site>
</vpls-protocol-state>
</instance>
</mvpn-instance-information>

```

#### Description

<remote-interface>

#### Usage

```

<connection>
  <remote-interface>
    <interface-name>
      interface-name
    </interface-name>
    <interface-status>
      interface-status
    </interface-status>
    <interface-encapsulation>
      interface-encapsulation
    </interface-encapsulation>
  </remote-interface>
</connection>

```

#### Description

<remote-interface>

#### Usage

```

<mesh-group-connection>
  <connection>
    <remote-interface>
      <interface-name>
        interface-name
      </interface-name>
      <interface-status>
        interface-status
      </interface-status>
      <interface-encapsulation>
        interface-encapsulation
      </interface-encapsulation>
    </remote-interface>
  </connection>
</mesh-group-connection>

```

**Description****<remote-interface>****Usage**

```
<instance>
  <reference-site>
    <connection>
      <remote-interface>
        <interface-name>
          interface-name
        </interface-name>
        <interface-status>
          interface-status
        </interface-status>
        <interface-encapsulation>
          interface-encapsulation
        </interface-encapsulation>
      </remote-interface>
    </connection>
  </reference-site>
</instance>
```

**Description****<remote-interface>****Usage**

```
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <remote-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
        </remote-interface>
      </connection>
    </mesh-group-connection>
  </reference-site>
</instance>
```

**Description****<remote-interface>****Usage**

```
<instance>
```

```

<ldp-vpls-reference-site>
  <connection>
    <remote-interface>
      <interface-name>
        interface-name
      </interface-name>
      <interface-status>
        interface-status
      </interface-status>
      <interface-encapsulation>
        interface-encapsulation
      </interface-encapsulation>
    </remote-interface>
  </connection>
</ldp-vpls-reference-site>
</instance>

```

#### Description

#### <remote-interface>

#### Usage

```

<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <remote-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
        </remote-interface>
      </connection>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>

```

#### Description

#### <remote-interface>

#### Usage

```

<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <remote-interface>
          <interface-name>
            interface-name

```

```
</interface-name>
<interface-status>
  interface-status
</interface-status>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
</remote-interface>
</connection>
</mesh-group-connection>
</vpls-protocol-state>
</instance>
```

#### Description

**<remote-interface>**

#### Usage

```
<instance>
<vpls-protocol-state>
<reference-site>
<connection>
  <remote-interface>
    <interface-name>
      interface-name
    </interface-name>
    <interface-status>
      interface-status
    </interface-status>
    <interface-encapsulation>
      interface-encapsulation
    </interface-encapsulation>
  </remote-interface>
</connection>
</reference-site>
</vpls-protocol-state>
</instance>
```

#### Description

**<remote-interface>**

#### Usage

```
<instance>
<vpls-protocol-state>
<reference-site>
  <mesh-group-connection>
    <connection>
      <remote-interface>
        <interface-name>
          interface-name
        </interface-name>
        <interface-status>
          interface-status
```



```

    </interface-status>
    <interface-encapsulation>
        interface-encapsulation
    </interface-encapsulation>
</remote-interface>
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>

```

#### Description

#### <remote-interface>

##### Usage

```

<l2vpn-connection-information>
<instance>
<reference-site>
<connection>
    <remote-interface>
        <interface-name>
            interface-name
        </interface-name>
        <interface-status>
            interface-status
        </interface-status>
        <interface-encapsulation>
            interface-encapsulation
        </interface-encapsulation>
    </remote-interface>
</connection>
</reference-site>
</instance>
</l2vpn-connection-information>

```

#### Description

#### <remote-interface>

##### Usage

```

<l2vpn-connection-information>
<instance>
<reference-site>
    <mesh-group-connection>
        <connection>
            <remote-interface>
                <interface-name>
                    interface-name
                </interface-name>
                <interface-status>
                    interface-status
                </interface-status>
                <interface-encapsulation>

```

```
        interface-encapsulation
      </interface-encapsulation>
    </remote-interface>
  </connection>
</mesh-group-connection>
</reference-site>
</instance>
</l2vpn-connection-information>
```

#### Description

### <remote-interface>

#### Usage

```
<l2vpn-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <remote-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
        </remote-interface>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</l2vpn-connection-information>
```

#### Description

### <remote-interface>

#### Usage

```
<l2vpn-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <remote-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
            <interface-encapsulation>
              interface-encapsulation
            </interface-encapsulation>
```

```

    </remote-interface>
  </connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</l2vpn-connection-information>

```

## Description

### <remote-interface>

#### Usage

```

<l2vpn-connection-information>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <remote-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
        </remote-interface>
      </connection>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</l2vpn-connection-information>

```

## Description

### <remote-interface>

#### Usage

```

<l2vpn-connection-information>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <remote-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
        </remote-interface>
      </connection>
    </reference-site>
  </vpls-protocol-state>
</instance>
</l2vpn-connection-information>

```

```
</remote-interface>
</connection>
</reference-site>
</vpls-protocol-state>
</instance>
</l2vpn-connection-information>
```

#### Description

#### <remote-interface>

##### Usage

```
<l2vpn-connection-information>
<instance>
<vpls-protocol-state>
<reference-site>
<mesh-group-connection>
<connection>
<remote-interface>
<interface-name>
  interface-name
</interface-name>
<interface-status>
  interface-status
</interface-status>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
</remote-interface>
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</l2vpn-connection-information>
```

#### Description

#### <remote-interface>

##### Usage

```
<vpls-connection-information>
<instance>
<reference-site>
<connection>
<remote-interface>
<interface-name>
  interface-name
</interface-name>
<interface-status>
  interface-status
</interface-status>
<interface-encapsulation>
  interface-encapsulation
```

```

        </interface-encapsulation>
      </remote-interface>
    </connection>
  </reference-site>
</instance>
</vpls-connection-information>

```

## Description

### <remote-interface>

#### Usage

```

<vpls-connection-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <remote-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
            <interface-encapsulation>
              interface-encapsulation
            </interface-encapsulation>
          </remote-interface>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>
</vpls-connection-information>

```

## Description

### <remote-interface>

#### Usage

```

<vpls-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <remote-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
        </remote-interface>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-connection-information>

```

```
</connection>
</ldp-vpls-reference-site>
</instance>
</vpls-connection-information>
```

#### Description

### <remote-interface>

#### Usage

```
<vpls-connection-information>
<instance>
<ldp-vpls-reference-site>
<mesh-group-connection>
<connection>
<remote-interface>
<interface-name>
  interface-name
</interface-name>
<interface-status>
  interface-status
</interface-status>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
</remote-interface>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</vpls-connection-information>
```

#### Description

### <remote-interface>

#### Usage

```
<vpls-connection-information>
<instance>
<vpls-protocol-state>
<mesh-group-connection>
<connection>
<remote-interface>
<interface-name>
  interface-name
</interface-name>
<interface-status>
  interface-status
</interface-status>
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
</remote-interface>
</connection>
```

```

    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</vpls-connection-information>

```

#### Description

#### <remote-interface>

##### Usage

```

<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <remote-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
            <interface-encapsulation>
              interface-encapsulation
            </interface-encapsulation>
          </remote-interface>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-connection-information>

```

#### Description

#### <remote-interface>

##### Usage

```

<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <remote-interface>
              <interface-name>
                interface-name
              </interface-name>
              <interface-status>
                interface-status
              </interface-status>
              <interface-encapsulation>
                interface-encapsulation
              </interface-encapsulation>
            </remote-interface>
          </connection>
        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-connection-information>

```

```
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-connection-information>
```

#### Description

### <remote-interface>

#### Usage

```
<vpls-statistics-information>
<instance>
  <reference-site>
    <connection>
      <remote-interface>
        <interface-name>
          interface-name
        </interface-name>
        <interface-status>
          interface-status
        </interface-status>
        <interface-encapsulation>
          interface-encapsulation
        </interface-encapsulation>
      </remote-interface>
    </connection>
  </reference-site>
</instance>
</vpls-statistics-information>
```

#### Description

### <remote-interface>

#### Usage

```
<vpls-statistics-information>
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <remote-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
        </remote-interface>
      </connection>
```



```

    </mesh-group-connection>
  </reference-site>
</instance>
</vpls-statistics-information>

```

#### Description

#### <remote-interface>

##### Usage

```

<vpls-statistics-information>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <remote-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
        </remote-interface>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-statistics-information>

```

#### Description

#### <remote-interface>

##### Usage

```

<vpls-statistics-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <remote-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
            <interface-encapsulation>
              interface-encapsulation
            </interface-encapsulation>
          </remote-interface>
        </connection>
      </mesh-group-connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-statistics-information>

```

```
</instance>
</vpls-statistics-information>
```

#### Description

#### <remote-interface>

#### Usage

```
<vpls-statistics-information>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <remote-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
        </remote-interface>
      </connection>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</vpls-statistics-information>
```

#### Description

#### <remote-interface>

#### Usage

```
<vpls-statistics-information>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <remote-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
        </remote-interface>
      </connection>
    </reference-site>
  </vpls-protocol-state>
```

```

    </instance>
  </vpls-statistics-information>

```

### Description

#### <remote-interface>

### Usage

```

<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <remote-interface>
              <interface-name>
                interface-name
              </interface-name>
              <interface-status>
                interface-status
              </interface-status>
              <interface-encapsulation>
                interface-encapsulation
              </interface-encapsulation>
            </remote-interface>
          </connection>
        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</vpls-statistics-information>

```

### Description

#### <remote-interface>

### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <connection>
        <remote-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
        </remote-interface>
      </connection>
    </reference-site>

```

```
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

#### Description

<remote-interface>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <remote-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
        </remote-interface>
      </connection>
    </mesh-group-connection>
  </reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

#### Description

<remote-interface>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <remote-interface>
        <interface-name>
          interface-name
        </interface-name>
        <interface-status>
          interface-status
        </interface-status>
        <interface-encapsulation>
          interface-encapsulation
        </interface-encapsulation>
      </remote-interface>
    </connection>
  </ldp-vpls-reference-site>
</instance>
```

```
</vpls-ldp-dynamic-interface-repository-entity>
```

#### Description

**<remote-interface>**

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <remote-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
        </remote-interface>
      </connection>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

#### Description

**<remote-interface>**

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <remote-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
        </remote-interface>
      </connection>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
```

```
</vpls-ldp-dynamic-interface-repository-entity>
```

#### Description

**<remote-interface>**

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <remote-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
        </remote-interface>
      </connection>
    </reference-site>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

#### Description

**<remote-interface>**

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <remote-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
            <interface-encapsulation>
              interface-encapsulation
            </interface-encapsulation>
          </remote-interface>
        </connection>
      </mesh-group-connection>
    </reference-site>
```

```

    </vpls-protocol-state>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

## Description

### <remote-interface>

#### Usage

```

<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <reference-site>
        <connection>
          <remote-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
            <interface-encapsulation>
              interface-encapsulation
            </interface-encapsulation>
          </remote-interface>
        </connection>
      </reference-site>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

## Description

### <remote-interface>

#### Usage

```

<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <remote-interface>
              <interface-name>
                interface-name
              </interface-name>
              <interface-status>
                interface-status
              </interface-status>
              <interface-encapsulation>
                interface-encapsulation
              </interface-encapsulation>
            </remote-interface>
          </connection>
        </mesh-group-connection>
      </reference-site>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

```
        </mesh-group-connection>
      </reference-site>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

#### Description

### <remote-interface>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <remote-interface>
        <interface-name>
          interface-name
        </interface-name>
        <interface-status>
          interface-status
        </interface-status>
        <interface-encapsulation>
          interface-encapsulation
        </interface-encapsulation>
      </remote-interface>
    </connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

#### Description

### <remote-interface>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <remote-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
        </remote-interface>
      </connection>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```



```

    </remote-interface>
  </connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

#### Description

#### <remote-interface>

##### Usage

```

<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <vpls-protocol-state>
        <mesh-group-connection>
          <connection>
            <remote-interface>
              <interface-name>
                interface-name
              </interface-name>
              <interface-status>
                interface-status
              </interface-status>
              <interface-encapsulation>
                interface-encapsulation
              </interface-encapsulation>
            </remote-interface>
          </connection>
        </mesh-group-connection>
      </vpls-protocol-state>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

#### Description

#### <remote-interface>

##### Usage

```

<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <vpls-protocol-state>
        <reference-site>
          <connection>
            <remote-interface>
              <interface-name>
                interface-name
              </interface-name>
              <interface-status>
                interface-status

```

```
        </interface-status>
        <interface-encapsulation>
            interface-encapsulation
        </interface-encapsulation>
    </remote-interface>
</connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

#### Description

#### <remote-interface>

##### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
    <vpls-protocol-state>
        <reference-site>
            <mesh-group-connection>
                <connection>
                    <remote-interface>
                        <interface-name>
                            interface-name
                        </interface-name>
                        <interface-status>
                            interface-status
                        </interface-status>
                        <interface-encapsulation>
                            interface-encapsulation
                        </interface-encapsulation>
                    </remote-interface>
                </connection>
            </mesh-group-connection>
        </reference-site>
    </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

#### Description

#### <remote-interface>

##### Usage

```
<l2circuit-connection-information>
<l2circuit-neighbor>
<connection>
    <remote-interface>
        <interface-name>
            interface-name
```

```

    </interface-name>
    <interface-status>
      interface-status
    </interface-status>
    <interface-encapsulation>
      interface-encapsulation
    </interface-encapsulation>
  </remote-interface>
</connection>
</l2circuit-neighbor>
</l2circuit-connection-information>

```

#### Description

#### <remote-interface>

##### Usage

```

<mvpn-instance-information>
  <instance>
    <reference-site>
      <connection>
        <remote-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
          </interface-encapsulation>
        </remote-interface>
      </connection>
    </reference-site>
  </instance>
</mvpn-instance-information>

```

#### Description

#### <remote-interface>

##### Usage

```

<mvpn-instance-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <remote-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
          </remote-interface>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>
</mvpn-instance-information>

```

```
<interface-encapsulation>
  interface-encapsulation
</interface-encapsulation>
</remote-interface>
</connection>
</mesh-group-connection>
</reference-site>
</instance>
</mvpn-instance-information>
```

#### Description

### <remote-interface>

#### Usage

```
<mvpn-instance-information>
<instance>
  <ldp-vpls-reference-site>
    <connection>
      <remote-interface>
        <interface-name>
          interface-name
        </interface-name>
        <interface-status>
          interface-status
        </interface-status>
        <interface-encapsulation>
          interface-encapsulation
        </interface-encapsulation>
      </remote-interface>
    </connection>
  </ldp-vpls-reference-site>
</instance>
</mvpn-instance-information>
```

#### Description

### <remote-interface>

#### Usage

```
<mvpn-instance-information>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <remote-interface>
          <interface-name>
            interface-name
          </interface-name>
          <interface-status>
            interface-status
          </interface-status>
          <interface-encapsulation>
            interface-encapsulation
```

```

        </interface-encapsulation>
      </remote-interface>
    </connection>
  </mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</mvpn-instance-information>

```

#### Description

#### <remote-interface>

#### Usage

```

<mvpn-instance-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <remote-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
            <interface-encapsulation>
              interface-encapsulation
            </interface-encapsulation>
          </remote-interface>
        </connection>
      </mesh-group-connection>
    </vpls-protocol-state>
  </instance>
</mvpn-instance-information>

```

#### Description

#### <remote-interface>

#### Usage

```

<mvpn-instance-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <remote-interface>
            <interface-name>
              interface-name
            </interface-name>
            <interface-status>
              interface-status
            </interface-status>
            <interface-encapsulation>
              interface-encapsulation

```

```
        </interface-encapsulation>
      </remote-interface>
    </connection>
  </reference-site>
</vpls-protocol-state>
</instance>
</mvpn-instance-information>
```

#### Description

### <remote-interface>

#### Usage

```
<mvpn-instance-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <remote-interface>
              <interface-name>
                interface-name
              </interface-name>
              <interface-status>
                interface-status
              </interface-status>
              <interface-encapsulation>
                interface-encapsulation
              </interface-encapsulation>
            </remote-interface>
          </connection>
        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</mvpn-instance-information>
```

#### Description

### <rendezvous-point>

#### Usage

```
<pim-rps-information>
  <rp-family>
    <rendezvous-point>
      <rendezvous-point-address>
        rendezvous-point-address
      </rendezvous-point-address>
      <rp-flag-static>
        rp-flag-static
      </rp-flag-static>
      <rp-flag-autorp>
        rp-flag-autorp
      </rp-flag-autorp>
```

```

    <rp-flag-bootstrap>
      rp-flag-bootstrap
    </rp-flag-bootstrap>
    <rp-flag-embedded-rp>
      rp-flag-embedded-rp
    </rp-flag-embedded-rp>
    <rendezvous-point-from-address>
      rendezvous-point-from-address
    </rendezvous-point-from-address>
    <rendezvous-point-holdtime>
      rendezvous-point-holdtime
    </rendezvous-point-holdtime>
    <rendezvous-point-refcount>
      rendezvous-point-refcount
    </rendezvous-point-refcount>
    <rendezvous-point-time-active>
      rendezvous-point-time-active
    </rendezvous-point-time-active>
    <rendezvous-point-holdtime-remaining>
      rendezvous-point-holdtime-remaining
    </rendezvous-point-holdtime-remaining>
    <rp-interface-device-index>
      rp-interface-device-index
    </rp-interface-device-index>
    <rp-interface-device-subunit>
      rp-interface-device-subunit
    </rp-interface-device-subunit>
    <pim-interface-name>
      pim-interface-name
    </pim-interface-name>
    <rendezvous-point-timeout>
      rendezvous-point-timeout
    </rendezvous-point-timeout>
    <rendezvous-point-active-groups>
      rendezvous-point-active-groups
    </rendezvous-point-active-groups>
    <rendezvous-point-group-prefixes>....</rendezvous-point-group-prefixes>

<rendezvous-point-active-group-prefixes>....</rendezvous-point-active-group-prefixes>

    <rendezvous-point-register-state>....</rendezvous-point-register-state>

<rendezvous-point-anycast-pim-rpset>....</rendezvous-point-anycast-pim-rpset>
    <rendezvous-point-anycast-pim-local-address>
      rendezvous-point-anycast-pim-local-address
    </rendezvous-point-anycast-pim-local-address>

<rendezvous-point-anycast-register-state>....</rendezvous-point-anycast-register-state>

  </rendezvous-point>
</rp-family>
</pim-rps-information>

```

## Description

## <rendezvous-point-active-group-prefix>

### Usage

```
<pim-rps-information>
  <rp-family>
    <rendezvous-point>
      <rendezvous-point-active-group-prefixes>
        <rendezvous-point-active-group-prefix>
          <multicast-group-address>
            multicast-group-address
          </multicast-group-address>
        </rendezvous-point-active-group-prefix>
      </rendezvous-point-active-group-prefixes>
    </rendezvous-point>
  </rp-family>
</pim-rps-information>
```

### Description

## <rendezvous-point-active-group-prefixes>

### Usage

```
<pim-rps-information>
  <rp-family>
    <rendezvous-point>
      <rendezvous-point-active-group-prefixes>

        <rendezvous-point-active-group-prefix>....</rendezvous-point-active-group-prefix>
        <rendezvous-point-active-groups>
          rendezvous-point-active-groups
        </rendezvous-point-active-groups>
      </rendezvous-point-active-group-prefixes>
    </rendezvous-point>
  </rp-family>
</pim-rps-information>
```

### Description

## <rendezvous-point-address-info>

### Usage

```
<pim-rps-information>
  <rendezvous-point-address-info>
    <pim-instance>
      pim-instance
    </pim-instance>
    <rendezvous-point-trees>....</rendezvous-point-trees>
    <rendezvous-point-address>
      rendezvous-point-address
    </rendezvous-point-address>
    <rendezvous-point-embedded-rp-address>
      rendezvous-point-embedded-rp-address
    </rendezvous-point-embedded-rp-address>
```



```

    <rendezvous-point-no-address>
      rendezvous-point-no-address
    </rendezvous-point-no-address>
  </rendezvous-point-address-info>
</pim-rps-information>

```

#### Description

### <rendezvous-point-addresses>

#### Usage

```

<pim-rps-information>
  <rendezvous-point-address-info>
    <rendezvous-point-trees>
      <rendezvous-point-addresses>
        <rendezvous-point-address>
          rendezvous-point-address
        </rendezvous-point-address>
        <rendezvous-point-hash>
          rendezvous-point-hash
        </rendezvous-point-hash>
      </rendezvous-point-addresses>
    </rendezvous-point-trees>
  </rendezvous-point-address-info>
</pim-rps-information>

```

#### Description

### <rendezvous-point-anycast-pim-rpset>

#### Usage

```

<pim-rps-information>
  <rp-family>
    <rendezvous-point>
      <rendezvous-point-anycast-pim-rpset>
        <multicast-group-address>
          multicast-group-address
        </multicast-group-address>
      </rendezvous-point-anycast-pim-rpset>
    </rendezvous-point>
  </rp-family>
</pim-rps-information>

```

**Description** IPv4 address of one or more remote anycast RPs

### <rendezvous-point-anycast-register-state>

#### Usage

```

<pim-rps-information>
  <rp-family>
    <rendezvous-point>
      <rendezvous-point-anycast-register-state>

```

```
<multicast-group-address>
  multicast-group-address
</multicast-group-address>
<multicast-source-address>
  multicast-source-address
</multicast-source-address>
<pim-anycast-register-state-origin>
  pim-anycast-register-state-origin
</pim-anycast-register-state-origin>
</rendezvous-point-anycast-register-state>
</rendezvous-point>
</rp-family>
</pim-rps-information>
```

**Description** Anycast register state

### <rendezvous-point-group-prefixes>

#### Usage

```
<pim-rps-information>
  <rp-family>
    <rendezvous-point>
      <rendezvous-point-group-prefixes>
        <multicast-group-prefix>
          multicast-group-prefix
        </multicast-group-prefix>
        <rp-group-timeout>
          rp-group-timeout
        </rp-group-timeout>
        <rp-group-state>
          rp-group-state
        </rp-group-state>
      </rendezvous-point-group-prefixes>
    </rendezvous-point>
  </rp-family>
</pim-rps-information>
```

#### Description

### <rendezvous-point-register-state>

#### Usage

```
<pim-rps-information>
  <rp-family>
    <rendezvous-point>
      <rendezvous-point-register-state>
        <multicast-group-address>
          multicast-group-address
        </multicast-group-address>
        <multicast-source-address>
          multicast-source-address
        </multicast-source-address>
        <first-hop-address>
```

```

    first-hop-address
  </first-hop-address>
  <rendezvous-point-address>
    rendezvous-point-address
  </rendezvous-point-address>
  <pim-register-state>
    pim-register-state
  </pim-register-state>
  <pim-register-timeout>
    pim-register-timeout
  </pim-register-timeout>
  </rendezvous-point-register-state>
</rendezvous-point>
</rp-family>
</pim-rps-information>

```

#### Description

### <rendezvous-point-trees>

#### Usage

```

<pim-rps-information>
  <rendezvous-point-address-info>
    <rendezvous-point-trees>
      <multicast-group-prefix>
        multicast-group-prefix
      </multicast-group-prefix>
      <rendezvous-point-addresses>....</rendezvous-point-addresses>
    </rendezvous-point-trees>
  </rendezvous-point-address-info>
</pim-rps-information>

```

#### Description

### <reserved-bandwidth>

#### Usage

```

<rsvp-telink>
  <reserved-bandwidth>
    <bandwidth-priority>
      bandwidth-priority
    </bandwidth-priority>
    <total-reserved-bandwidth>
      total-reserved-bandwidth
    </total-reserved-bandwidth>
  </reserved-bandwidth>
</rsvp-telink>

```

**Description** Bandwidth reserved at different priority levels

## <reserved-bandwidth>

### Usage

```
<rsvp-session-data>
  <rsvp-session>
    <rsvp-telink>
      <reserved-bandwidth>
        <bandwidth-priority>
          bandwidth-priority
        </bandwidth-priority>
        <total-reserved-bandwidth>
          total-reserved-bandwidth
        </total-reserved-bandwidth>
      </reserved-bandwidth>
    </rsvp-telink>
  </rsvp-session>
</rsvp-session-data>
```

**Description** Bandwidth reserved at different priority levels

## <reserved-bandwidth>

### Usage

```
<rsvp-session>
  <rsvp-telink>
    <reserved-bandwidth>
      <bandwidth-priority>
        bandwidth-priority
      </bandwidth-priority>
      <total-reserved-bandwidth>
        total-reserved-bandwidth
      </total-reserved-bandwidth>
    </reserved-bandwidth>
  </rsvp-telink>
</rsvp-session>
```

**Description** Bandwidth reserved at different priority levels

## <reserved-bandwidth>

### Usage

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <rsvp-telink>
        <reserved-bandwidth>
          <bandwidth-priority>
            bandwidth-priority
          </bandwidth-priority>
          <total-reserved-bandwidth>
            total-reserved-bandwidth
          </total-reserved-bandwidth>
        </reserved-bandwidth>
      </rsvp-telink>
    </rsvp-session>
  </rsvp-session-data>
</rsvp-session-information>
```

```
        </reserved-bandwidth>
    </rsvp-telink>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>
```

**Description** Bandwidth reserved at different priority levels

### <reserved-bandwidth>

#### Usage

```
<rsvp-interface>
  <rsvp-telink>
    <reserved-bandwidth>
      <bandwidth-priority>
        bandwidth-priority
      </bandwidth-priority>
      <total-reserved-bandwidth>
        total-reserved-bandwidth
      </total-reserved-bandwidth>
    </reserved-bandwidth>
  </rsvp-telink>
</rsvp-interface>
```

**Description** Bandwidth reserved at different priority levels

### <reserved-bandwidth>

#### Usage

```
<rsvp-interface-information>
  <rsvp-interface>
    <rsvp-telink>
      <reserved-bandwidth>
        <bandwidth-priority>
          bandwidth-priority
        </bandwidth-priority>
        <total-reserved-bandwidth>
          total-reserved-bandwidth
        </total-reserved-bandwidth>
      </reserved-bandwidth>
    </rsvp-telink>
  </rsvp-interface>
</rsvp-interface-information>
```

**Description** Bandwidth reserved at different priority levels

### <reserved-bandwidth>

#### Usage

```
<mpls-lsp-information>
  <rsvp-session-data>
```

```
<rsvp-session>
  <rsvp-telink>
    <reserved-bandwidth>
      <bandwidth-priority>
        bandwidth-priority
      </bandwidth-priority>
      <total-reserved-bandwidth>
        total-reserved-bandwidth
      </total-reserved-bandwidth>
    </reserved-bandwidth>
  </rsvp-telink>
</rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>
```

**Description** Bandwidth reserved at different priority levels

### <reserved-ct-bandwidth>

#### Usage

```
<rsvp-telink>
  <reserved-ct-bandwidth>
    <ct-class>
      ct-class
    </ct-class>
    <ct-bw0>
      ct-bw0
    </ct-bw0>
    <ct-bw1>
      ct-bw1
    </ct-bw1>
    <ct-bw2>
      ct-bw2
    </ct-bw2>
    <ct-bw3>
      ct-bw3
    </ct-bw3>
    <ct-bw4>
      ct-bw4
    </ct-bw4>
    <ct-bw5>
      ct-bw5
    </ct-bw5>
    <ct-bw6>
      ct-bw6
    </ct-bw6>
    <ct-bw7>
      ct-bw7
    </ct-bw7>
  </reserved-ct-bandwidth>
</rsvp-telink>
```

**Description** Bandwidth reserved at different class and priority levels

**<reserved-ct-bandwidth>****Usage**

```

<rsvp-session-data>
  <rsvp-session>
    <rsvp-telink>
      <reserved-ct-bandwidth>
        <ct-class>
          ct-class
        </ct-class>
        <ct-bw0>
          ct-bw0
        </ct-bw0>
        <ct-bw1>
          ct-bw1
        </ct-bw1>
        <ct-bw2>
          ct-bw2
        </ct-bw2>
        <ct-bw3>
          ct-bw3
        </ct-bw3>
        <ct-bw4>
          ct-bw4
        </ct-bw4>
        <ct-bw5>
          ct-bw5
        </ct-bw5>
        <ct-bw6>
          ct-bw6
        </ct-bw6>
        <ct-bw7>
          ct-bw7
        </ct-bw7>
      </reserved-ct-bandwidth>
    </rsvp-telink>
  </rsvp-session>
</rsvp-session-data>

```

**Description** Bandwidth reserved at different class and priority levels

**<reserved-ct-bandwidth>****Usage**

```

<rsvp-session>
  <rsvp-telink>
    <reserved-ct-bandwidth>
      <ct-class>
        ct-class
      </ct-class>
      <ct-bw0>
        ct-bw0
      </ct-bw0>
    </reserved-ct-bandwidth>
  </rsvp-telink>
</rsvp-session>

```

```
<ct-bw1>
  ct-bw1
</ct-bw1>
<ct-bw2>
  ct-bw2
</ct-bw2>
<ct-bw3>
  ct-bw3
</ct-bw3>
<ct-bw4>
  ct-bw4
</ct-bw4>
<ct-bw5>
  ct-bw5
</ct-bw5>
<ct-bw6>
  ct-bw6
</ct-bw6>
<ct-bw7>
  ct-bw7
</ct-bw7>
</reserved-ct-bandwidth>
</rsvp-telink>
</rsvp-session>
```

**Description** Bandwidth reserved at different class and priority levels

### <reserved-ct-bandwidth>

#### Usage

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <rsvp-telink>
        <reserved-ct-bandwidth>
          <ct-class>
            ct-class
          </ct-class>
          <ct-bw0>
            ct-bw0
          </ct-bw0>
          <ct-bw1>
            ct-bw1
          </ct-bw1>
          <ct-bw2>
            ct-bw2
          </ct-bw2>
          <ct-bw3>
            ct-bw3
          </ct-bw3>
          <ct-bw4>
            ct-bw4
          </ct-bw4>
          <ct-bw5>
```



```

        ct-bw5
      </ct-bw5>
    <ct-bw6>
      ct-bw6
    </ct-bw6>
    <ct-bw7>
      ct-bw7
    </ct-bw7>
  </reserved-ct-bandwidth>
</rsvp-telink>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>

```

**Description** Bandwidth reserved at different class and priority levels

### <reserved-ct-bandwidth>

#### Usage

```

<rsvp-interface>
  <rsvp-telink>
    <reserved-ct-bandwidth>
      <ct-class>
        ct-class
      </ct-class>
      <ct-bw0>
        ct-bw0
      </ct-bw0>
      <ct-bw1>
        ct-bw1
      </ct-bw1>
      <ct-bw2>
        ct-bw2
      </ct-bw2>
      <ct-bw3>
        ct-bw3
      </ct-bw3>
      <ct-bw4>
        ct-bw4
      </ct-bw4>
      <ct-bw5>
        ct-bw5
      </ct-bw5>
      <ct-bw6>
        ct-bw6
      </ct-bw6>
      <ct-bw7>
        ct-bw7
      </ct-bw7>
    </reserved-ct-bandwidth>
  </rsvp-telink>
</rsvp-interface>

```

**Description** Bandwidth reserved at different class and priority levels

### <reserved-ct-bandwidth>

#### Usage

```
<rsvp-interface-information>
  <rsvp-interface>
    <rsvp-telink>
      <reserved-ct-bandwidth>
        <ct-class>
          ct-class
        </ct-class>
        <ct-bw0>
          ct-bw0
        </ct-bw0>
        <ct-bw1>
          ct-bw1
        </ct-bw1>
        <ct-bw2>
          ct-bw2
        </ct-bw2>
        <ct-bw3>
          ct-bw3
        </ct-bw3>
        <ct-bw4>
          ct-bw4
        </ct-bw4>
        <ct-bw5>
          ct-bw5
        </ct-bw5>
        <ct-bw6>
          ct-bw6
        </ct-bw6>
        <ct-bw7>
          ct-bw7
        </ct-bw7>
      </reserved-ct-bandwidth>
    </rsvp-telink>
  </rsvp-interface>
</rsvp-interface-information>
```

**Description** Bandwidth reserved at different class and priority levels

### <reserved-ct-bandwidth>

#### Usage

```
<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <rsvp-telink>
        <reserved-ct-bandwidth>
          <ct-class>
            ct-class
          </ct-class>
        </reserved-ct-bandwidth>
      </rsvp-telink>
    </rsvp-session>
  </rsvp-session-data>
</mpls-lsp-information>
```

```

</ct-class>
<ct-bw0>
  ct-bw0
</ct-bw0>
<ct-bw1>
  ct-bw1
</ct-bw1>
<ct-bw2>
  ct-bw2
</ct-bw2>
<ct-bw3>
  ct-bw3
</ct-bw3>
<ct-bw4>
  ct-bw4
</ct-bw4>
<ct-bw5>
  ct-bw5
</ct-bw5>
<ct-bw6>
  ct-bw6
</ct-bw6>
<ct-bw7>
  ct-bw7
</ct-bw7>
</reserved-ct-bandwidth>
</rsvp-telink>
</rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>

```

**Description** Bandwidth reserved at different class and priority levels

## <reverse-oif>

### Usage

```

<mgm-interface-groups>
  <mgm-group>
    <reverse-oif>
      <oif-name>
        oif-name
      </oif-name>
      <host-count>
        host-count
      </host-count>
    </reverse-oif>
  </mgm-group>
</mgm-interface-groups>

```

### Description

### <reverse-oif>

#### Usage

```
<igmp-group-information>
  <mgm-interface-groups>
    <mgm-group>
      <reverse-oif>
        <oif-name>
          oif-name
        </oif-name>
        <host-count>
          host-count
        </host-count>
      </reverse-oif>
    </mgm-group>
  </mgm-interface-groups>
</igmp-group-information>
```

#### Description

### <reverse-oif>

#### Usage

```
<mld-group-information>
  <mgm-interface-groups>
    <mgm-group>
      <reverse-oif>
        <oif-name>
          oif-name
        </oif-name>
        <host-count>
          host-count
        </host-count>
      </reverse-oif>
    </mgm-group>
  </mgm-interface-groups>
</mld-group-information>
```

#### Description

### <reverse-oif>

#### Usage

```
<amt-tunnel>
  <mgm-group>
    <reverse-oif>
      <oif-name>
        oif-name
      </oif-name>
      <host-count>
        host-count
      </host-count>
    </reverse-oif>
```

```
</mgm-group>
</amt-tunnel>
```

**Description****<reverse-oif>****Usage**

```
<amt-tunnel-information>
<amt-tunnel>
  <mgm-group>
    <reverse-oif>
      <oif-name>
        oif-name
      </oif-name>
      <host-count>
        host-count
      </host-count>
    </reverse-oif>
  </mgm-group>
</amt-tunnel>
</amt-tunnel-information>
```

**Description****<rip-error>****Usage**

```
<rip-error>
  <rip-error-message>
    rip-error-message
  </rip-error-message>
</rip-error>
```

**Description****<rip-general-statistics>****Usage**

```
<rip-general-statistics>
  <rip-protocol-name>
    rip-protocol-name
  </rip-protocol-name>
  <rip-bad-messages>
    rip-bad-messages
  </rip-bad-messages>
  <rip-interface-count>
    rip-interface-count
  </rip-interface-count>
  <rip-current-memory>
    rip-current-memory
  </rip-current-memory>
  <rip-maximum-memory>
```

```
    rip-maximum-memory
  </rip-maximum-memory>
</rip-general-statistics>
```

#### Description

### <rip-general-statistics>

#### Usage

```
<rip-general-statistics-information>
  <rip-general-statistics>
    <rip-protocol-name>
      rip-protocol-name
    </rip-protocol-name>
    <rip-bad-messages>
      rip-bad-messages
    </rip-bad-messages>
    <rip-interface-count>
      rip-interface-count
    </rip-interface-count>
    <rip-current-memory>
      rip-current-memory
    </rip-current-memory>
    <rip-maximum-memory>
      rip-maximum-memory
    </rip-maximum-memory>
  </rip-general-statistics>
</rip-general-statistics-information>
```

#### Description

### <rip-general-statistics-information>

#### Usage

```
<rip-general-statistics-information>
  <rip-general-statistics>....</rip-general-statistics>
</rip-general-statistics-information>
```

#### Description

### <rip-global-statistics>

#### Usage

```
<rip-global-statistics>
  <rip-routes-learned>
    rip-routes-learned
  </rip-routes-learned>
  <rip-routes-holddown>
    rip-routes-holddown
  </rip-routes-holddown>
  <rip-requests-dropped>
    rip-requests-dropped
  </rip-requests-dropped>
```

```

    <rip-responses-dropped>
      rip-responses-dropped
    </rip-responses-dropped>
  </rip-global-statistics>

```

**Description** RIP global statistics

### <rip-global-statistics>

#### Usage

```

<rip-statistics-information>
  <rip-global-statistics>
    <rip-routes-learned>
      rip-routes-learned
    </rip-routes-learned>
    <rip-routes-holddown>
      rip-routes-holddown
    </rip-routes-holddown>
    <rip-requests-dropped>
      rip-requests-dropped
    </rip-requests-dropped>
    <rip-responses-dropped>
      rip-responses-dropped
    </rip-responses-dropped>
  </rip-global-statistics>
</rip-statistics-information>

```

**Description** RIP global statistics

### <rip-global-statistics>

#### Usage

```

<rip-statistics-information-all>
  <rip-instance-statistics>
    <rip-global-statistics>
      <rip-routes-learned>
        rip-routes-learned
      </rip-routes-learned>
      <rip-routes-holddown>
        rip-routes-holddown
      </rip-routes-holddown>
      <rip-requests-dropped>
        rip-requests-dropped
      </rip-requests-dropped>
      <rip-responses-dropped>
        rip-responses-dropped
      </rip-responses-dropped>
    </rip-global-statistics>
  </rip-instance-statistics>
</rip-statistics-information-all>

```

**Description** RIP global statistics

### <rip-instance-neighbor>

**Usage**

```
<rip-neighbor-information-all>
  <rip-instance-neighbor>
    <rip-instance-name>
      rip-instance-name
    </rip-instance-name>
    <rip-neighbor>....</rip-neighbor>
  </rip-instance-neighbor>
</rip-neighbor-information-all>
```

**Description** Information about RIP neighbors within this routing instance

### <rip-instance-statistics>

**Usage**

```
<rip-statistics-information-all>
  <rip-instance-statistics>
    <rip-instance-name>
      rip-instance-name
    </rip-instance-name>
    <rip-timer-values>....</rip-timer-values>
    <rip-restart-values>....</rip-restart-values>
    <rip-global-statistics>....</rip-global-statistics>
    <rip-neighbor-statistics>....</rip-neighbor-statistics>
  </rip-instance-statistics>
</rip-statistics-information-all>
```

**Description** Information about statistics for this routing instance

### <rip-message-statistics>

**Usage**

```
<rip-message-statistics>
  <rip-message>
    rip-message
  </rip-message>
  <rip-message-total>
    rip-message-total
  </rip-message-total>
  <rip-message-last-5minutes>
    rip-message-last-5minutes
  </rip-message-last-5minutes>
  <rip-message-last-minute>
    rip-message-last-minute
  </rip-message-last-minute>
</rip-message-statistics>
```



## Description

## &lt;rip-message-statistics&gt;

## Usage

```

<rip-neighbor-statistics>
  <rip-message-statistics>
    <rip-message>
      rip-message
    </rip-message>
    <rip-message-total>
      rip-message-total
    </rip-message-total>
    <rip-message-last-5minutes>
      rip-message-last-5minutes
    </rip-message-last-5minutes>
    <rip-message-last-minute>
      rip-message-last-minute
    </rip-message-last-minute>
  </rip-message-statistics>
</rip-neighbor-statistics>

```

## Description

## &lt;rip-message-statistics&gt;

## Usage

```

<rip-statistics-information>
  <rip-neighbor-statistics>
    <rip-message-statistics>
      <rip-message>
        rip-message
      </rip-message>
      <rip-message-total>
        rip-message-total
      </rip-message-total>
      <rip-message-last-5minutes>
        rip-message-last-5minutes
      </rip-message-last-5minutes>
      <rip-message-last-minute>
        rip-message-last-minute
      </rip-message-last-minute>
    </rip-message-statistics>
  </rip-neighbor-statistics>
</rip-statistics-information>

```

## Description

## &lt;rip-message-statistics&gt;

## Usage

```

<rip-statistics-information-all>
  <rip-instance-statistics>
    <rip-neighbor-statistics>

```

```
<rip-message-statistics>
  <rip-message>
    rip-message
  </rip-message>
  <rip-message-total>
    rip-message-total
  </rip-message-total>
  <rip-message-last-5minutes>
    rip-message-last-5minutes
  </rip-message-last-5minutes>
  <rip-message-last-minute>
    rip-message-last-minute
  </rip-message-last-minute>
</rip-message-statistics>
</rip-neighbor-statistics>
</rip-instance-statistics>
</rip-statistics-information-all>
```

## Description

### <rip-neighbor>

#### Usage

```
<rip-neighbor>
  <rip-neighbor-name>
    rip-neighbor-name
  </rip-neighbor-name>
  <rip-neighbor-state>
    rip-neighbor-state
  </rip-neighbor-state>
  <rip-neighbor-metric-in>
    rip-neighbor-metric-in
  </rip-neighbor-metric-in>
  <rip-local-address-ipv4>
    rip-local-address-ipv4
  </rip-local-address-ipv4>
  <rip-remote-address-ipv4>
    rip-remote-address-ipv4
  </rip-remote-address-ipv4>
  <send-mode-ripv2>
    send-mode-ripv2
  </send-mode-ripv2>
  <receive-mode-ripv2>
    receive-mode-ripv2
  </receive-mode-ripv2>
  <rip-local-address-ipv6>
    rip-local-address-ipv6
  </rip-local-address-ipv6>
  <rip-remote-address-ipv6>
    rip-remote-address-ipv6
  </rip-remote-address-ipv6>
  <send-mode-ripng>
    send-mode-ripng
  </send-mode-ripng>
  <receive-mode-ripng>
```

```

    receive-mode-ripng
  </receive-mode-ripng>
</rip-neighbor>

```

## Description

### <rip-neighbor>

#### Usage

```

<rip-neighbor-information>
  <rip-neighbor>
    <rip-neighbor-name>
      rip-neighbor-name
    </rip-neighbor-name>
    <rip-neighbor-state>
      rip-neighbor-state
    </rip-neighbor-state>
    <rip-neighbor-metric-in>
      rip-neighbor-metric-in
    </rip-neighbor-metric-in>
    <rip-local-address-ipv4>
      rip-local-address-ipv4
    </rip-local-address-ipv4>
    <rip-remote-address-ipv4>
      rip-remote-address-ipv4
    </rip-remote-address-ipv4>
    <send-mode-ripv2>
      send-mode-ripv2
    </send-mode-ripv2>
    <receive-mode-ripv2>
      receive-mode-ripv2
    </receive-mode-ripv2>
    <rip-local-address-ipv6>
      rip-local-address-ipv6
    </rip-local-address-ipv6>
    <rip-remote-address-ipv6>
      rip-remote-address-ipv6
    </rip-remote-address-ipv6>
    <send-mode-ripng>
      send-mode-ripng
    </send-mode-ripng>
    <receive-mode-ripng>
      receive-mode-ripng
    </receive-mode-ripng>
  </rip-neighbor>
</rip-neighbor-information>

```

## Description

### <rip-neighbor>

#### Usage

```

<rip-neighbor-information-all>
  <rip-instance-neighbor>

```

```
<rip-neighbor>
  <rip-neighbor-name>
    rip-neighbor-name
  </rip-neighbor-name>
  <rip-neighbor-state>
    rip-neighbor-state
  </rip-neighbor-state>
  <rip-neighbor-metric-in>
    rip-neighbor-metric-in
  </rip-neighbor-metric-in>
  <rip-local-address-ipv4>
    rip-local-address-ipv4
  </rip-local-address-ipv4>
  <rip-remote-address-ipv4>
    rip-remote-address-ipv4
  </rip-remote-address-ipv4>
  <send-mode-ripv2>
    send-mode-ripv2
  </send-mode-ripv2>
  <receive-mode-ripv2>
    receive-mode-ripv2
  </receive-mode-ripv2>
  <rip-local-address-ipv6>
    rip-local-address-ipv6
  </rip-local-address-ipv6>
  <rip-remote-address-ipv6>
    rip-remote-address-ipv6
  </rip-remote-address-ipv6>
  <send-mode-ripng>
    send-mode-ripng
  </send-mode-ripng>
  <receive-mode-ripng>
    receive-mode-ripng
  </receive-mode-ripng>
</rip-neighbor>
</rip-instance-neighbor>
</rip-neighbor-information-all>
```

#### Description

### <rip-neighbor-information>

#### Usage

```
<rip-neighbor-information>
  <rip-neighbor>....</rip-neighbor>
</rip-neighbor-information>
```

**Description** Information about RIP neighbors in a routing instance

### <rip-neighbor-information-all>

#### Usage

```
<rip-neighbor-information-all>
```

```
<rip-instance-neighbor>....</rip-instance-neighbor>
</rip-neighbor-information-all>
```

**Description** Information about RIP neighbors in all routing instances

### <rip-neighbor-statistics>

#### Usage

```
<rip-neighbor-statistics>
  <rip-neighbor-name>
    rip-neighbor-name
  </rip-neighbor-name>
  <rip-neighbor-learnt-routes>
    rip-neighbor-learnt-routes
  </rip-neighbor-learnt-routes>
  <rip-neighbor-advertised-routes>
    rip-neighbor-advertised-routes
  </rip-neighbor-advertised-routes>
  <rip-neighbor-route-timeout>
    rip-neighbor-route-timeout
  </rip-neighbor-route-timeout>
  <rip-neighbor-update-interval>
    rip-neighbor-update-interval
  </rip-neighbor-update-interval>
  <rip-message-statistics>....</rip-message-statistics>
</rip-neighbor-statistics>
```

**Description** RIP neighbor statistics

### <rip-neighbor-statistics>

#### Usage

```
<rip-statistics-information>
  <rip-neighbor-statistics>
    <rip-neighbor-name>
      rip-neighbor-name
    </rip-neighbor-name>
    <rip-neighbor-learnt-routes>
      rip-neighbor-learnt-routes
    </rip-neighbor-learnt-routes>
    <rip-neighbor-advertised-routes>
      rip-neighbor-advertised-routes
    </rip-neighbor-advertised-routes>
    <rip-neighbor-route-timeout>
      rip-neighbor-route-timeout
    </rip-neighbor-route-timeout>
    <rip-neighbor-update-interval>
      rip-neighbor-update-interval
    </rip-neighbor-update-interval>
    <rip-message-statistics>....</rip-message-statistics>
  </rip-neighbor-statistics>
```

</rip-statistics-information>

**Description**    RIP neighbor statistics

### <rip-neighbor-statistics>

#### Usage

```
<rip-statistics-information-all>
  <rip-instance-statistics>
    <rip-neighbor-statistics>
      <rip-neighbor-name>
        rip-neighbor-name
      </rip-neighbor-name>
      <rip-neighbor-learnt-routes>
        rip-neighbor-learnt-routes
      </rip-neighbor-learnt-routes>
      <rip-neighbor-advertised-routes>
        rip-neighbor-advertised-routes
      </rip-neighbor-advertised-routes>
      <rip-neighbor-route-timeout>
        rip-neighbor-route-timeout
      </rip-neighbor-route-timeout>
      <rip-neighbor-update-interval>
        rip-neighbor-update-interval
      </rip-neighbor-update-interval>
      <rip-message-statistics>.....</rip-message-statistics>
    </rip-neighbor-statistics>
  </rip-instance-statistics>
</rip-statistics-information-all>
```

**Description**    RIP neighbor statistics

### <rip-restart-values>

#### Usage

```
<rip-restart-values>
  <rip-restart-state>
    rip-restart-state
  </rip-restart-state>
  <rip-restart-time>
    rip-restart-time
  </rip-restart-time>
  <rip-restart-timeout>
    rip-restart-timeout
  </rip-restart-timeout>
</rip-restart-values>
```

**Description**    Information about RIP restart values

**<rip-restart-values>****Usage**

```

<rip-statistics-information>
  <rip-restart-values>
    <rip-restart-state>
      rip-restart-state
    </rip-restart-state>
    <rip-restart-time>
      rip-restart-time
    </rip-restart-time>
    <rip-restart-timeout>
      rip-restart-timeout
    </rip-restart-timeout>
  </rip-restart-values>
</rip-statistics-information>

```

**Description** Information about RIP restart values

**<rip-restart-values>****Usage**

```

<rip-statistics-information-all>
  <rip-instance-statistics>
    <rip-restart-values>
      <rip-restart-state>
        rip-restart-state
      </rip-restart-state>
      <rip-restart-time>
        rip-restart-time
      </rip-restart-time>
      <rip-restart-timeout>
        rip-restart-timeout
      </rip-restart-timeout>
    </rip-restart-values>
  </rip-instance-statistics>
</rip-statistics-information-all>

```

**Description** Information about RIP restart values

**<rip-statistics-information>****Usage**

```

<rip-statistics-information>
  <rip-timer-values>....</rip-timer-values>
  <rip-restart-values>....</rip-restart-values>
  <rip-global-statistics>....</rip-global-statistics>
  <rip-neighbor-statistics>....</rip-neighbor-statistics>
</rip-statistics-information>

```

**Description** Information about RIP statistics for a routing instance

### <rip-statistics-information-all>

**Usage**

```
<rip-statistics-information-all>
  <rip-instance-statistics>....</rip-instance-statistics>
</rip-statistics-information-all>
```

**Description** Information about RIP statistics for all routing instances

### <rip-timer-values>

**Usage**

```
<rip-timer-values>
  <rip-protocol-name>
    rip-protocol-name
  </rip-protocol-name>
  <rip-port>
    rip-port
  </rip-port>
  <rip-holddown>
    rip-holddown
  </rip-holddown>
</rip-timer-values>
```

**Description** Information about RIP timer values

### <rip-timer-values>

**Usage**

```
<rip-statistics-information>
  <rip-timer-values>
    <rip-protocol-name>
      rip-protocol-name
    </rip-protocol-name>
    <rip-port>
      rip-port
    </rip-port>
    <rip-holddown>
      rip-holddown
    </rip-holddown>
  </rip-timer-values>
</rip-statistics-information>
```

**Description** Information about RIP timer values



**<rip-timer-values>****Usage**

```

<rip-statistics-information-all>
  <rip-instance-statistics>
    <rip-timer-values>
      <rip-protocol-name>
        rip-protocol-name
      </rip-protocol-name>
      <rip-port>
        rip-port
      </rip-port>
      <rip-holddown>
        rip-holddown
      </rip-holddown>
    </rip-timer-values>
  </rip-instance-statistics>
</rip-statistics-information-all>

```

**Description** Information about RIP timer values

**<route-family>****Usage**

```

<multicast-route-information>
  <route-family>
    <bulking-indicator>
      bulking-indicator
    </bulking-indicator>
    <address-family>
      address-family
    </address-family>
    <multicast-route>....</multicast-route>
  </route-family>
</multicast-route-information>

```

**Description**

**<route-filter>****Usage**

```

<route-filter>
  <address>
    address
  </address>
  <flags>
    flags
  </flags>
  <extended-information>
    extended-information
  </extended-information>
</route-filter>

```

**Description** Entries in martian table

### <route-filter>

#### Usage

```
<route-information>
  <rt-martians>
    <route-filter>
      <address>
        address
      </address>
      <flags>
        flags
      </flags>
      <extended-information>
        extended-information
      </extended-information>
    </route-filter>
  </rt-martians>
</route-information>
```

**Description** Entries in martian table

### <route-filter>

#### Usage

```
<bgp-group>
  <unconfigured-peers>
    <route-filter>
      <address>
        address
      </address>
      <flags>
        flags
      </flags>
      <extended-information>
        extended-information
      </extended-information>
    </route-filter>
  </unconfigured-peers>
</bgp-group>
```

**Description** Entries in martian table

### <route-filter>

#### Usage

```
<bgp-group-information>
  <bgp-group>
    <unconfigured-peers>
      <route-filter>
        <address>
```

```

        address
      </address>
    <flags>
      flags
    </flags>
    <extended-information>
      extended-information
    </extended-information>
  </route-filter>
</unconfigured-peers>
</bgp-group>
</bgp-group-information>

```

**Description** Entries in martian table

## <route-flap-damping>

### Usage

```

<route-flap-damping>
  <merit>
    merit
  </merit>
  <last-merit>
    last-merit
  </last-merit>
  <damping-parameters>
    damping-parameters
  </damping-parameters>
  <default-damping-parameters>
    default-damping-parameters
  </default-damping-parameters>
  <last-update>
    last-update
  </last-update>
  <first-update>
    first-update
  </first-update>
  <route-flap-count>
    route-flap-count
  </route-flap-count>
  <suppressed>
    suppressed
  </suppressed>
  <reuse-time>
    reuse-time
  </reuse-time>
  <reuse-preference>
    reuse-preference
  </reuse-preference>
  <expire-time>
    expire-time
  </expire-time>
</route-flap-damping>

```

**Description****<route-flap-damping>****Usage**

```
<route-information>
  <route-table>
    <rt>
      <rt-entry>
        <route-flap-damping>
          <merit>
            merit
          </merit>
          <last-merit>
            last-merit
          </last-merit>
          <damping-parameters>
            damping-parameters
          </damping-parameters>
          <default-damping-parameters>
            default-damping-parameters
          </default-damping-parameters>
          <last-update>
            last-update
          </last-update>
          <first-update>
            first-update
          </first-update>
          <route-flap-count>
            route-flap-count
          </route-flap-count>
          <suppressed>
            suppressed
          </suppressed>
          <reuse-time>
            reuse-time
          </reuse-time>
          <reuse-preference>
            reuse-preference
          </reuse-preference>
          <expire-time>
            expire-time
          </expire-time>
        </route-flap-damping>
      </rt-entry>
    </rt>
  </route-table>
</route-information>
```

**Description****<route-flap-damping>****Usage**

```
<route-summary-information>
```

```

<route-table>
<rt>
  <rt-entry>
    <route-flap-damping>
      <merit>
        merit
      </merit>
      <last-merit>
        last-merit
      </last-merit>
      <damping-parameters>
        damping-parameters
      </damping-parameters>
      <default-damping-parameters>
        default-damping-parameters
      </default-damping-parameters>
      <last-update>
        last-update
      </last-update>
      <first-update>
        first-update
      </first-update>
      <route-flap-count>
        route-flap-count
      </route-flap-count>
      <suppressed>
        suppressed
      </suppressed>
      <reuse-time>
        reuse-time
      </reuse-time>
      <reuse-preference>
        reuse-preference
      </reuse-preference>
      <expire-time>
        expire-time
      </expire-time>
    </route-flap-damping>
  </rt-entry>
</rt>
</route-table>
</route-summary-information>

```

#### Description

#### <route-information>

#### Usage

```

<route-information>
  <as-number>
    as-number
  </as-number>
  <router-id>
    router-id
  </router-id>

```

```
<maximum-ecmp>
  maximum-ecmp
</maximum-ecmp>
<note-network-services-mode>
  note-network-services-mode
</note-network-services-mode>
<route-table>....</route-table>
<rt-martians>....</rt-martians>
<rt-ribgroup>....</rt-ribgroup>
<rt-test-policy-prefix>....</rt-test-policy-prefix>
<rt-test-policy>....</rt-test-policy>
</route-information>
```

#### Description

**<route-queue>**

#### Usage

```
<bgp-peer>
  <route-queue>
    <timer>
      timer
    </timer>
    <state>
      state
    </state>
    <element>
      element
    </element>
  </route-queue>
</bgp-peer>
```

#### Description

**<route-queue>**

#### Usage

```
<bgp-group>
  <route-queue>
    <timer>
      timer
    </timer>
    <state>
      state
    </state>
    <element>
      element
    </element>
  </route-queue>
</bgp-group>
```

#### Description

**<route-queue>****Usage**

```

<bgp-group>
  <bgp-peer>
    <route-queue>
      <timer>
        timer
      </timer>
      <state>
        state
      </state>
    <element>
      element
    </element>
  </route-queue>
</bgp-peer>
</bgp-group>

```

**Description****<route-queue>****Usage**

```

<bgp-information>
  <bgp-peer>
    <route-queue>
      <timer>
        timer
      </timer>
      <state>
        state
      </state>
    <element>
      element
    </element>
  </route-queue>
</bgp-peer>
</bgp-information>

```

**Description****<route-queue>****Usage**

```

<bgp-group-information>
  <bgp-group>
    <route-queue>
      <timer>
        timer
      </timer>
      <state>
        state

```

```
</state>
<element>
  element
</element>
</route-queue>
</bgp-group>
</bgp-group-information>
```

#### Description

#### <route-queue>

##### Usage

```
<bgp-group-information>
<bgp-group>
<bgp-peer>
  <route-queue>
    <timer>
      timer
    </timer>
    <state>
      state
    </state>
    <element>
      element
    </element>
  </route-queue>
</bgp-peer>
</bgp-group>
</bgp-group-information>
```

#### Description

#### <route-queue>

##### Usage

```
<bgp-group-information>
<bgp-information>
<bgp-peer>
  <route-queue>
    <timer>
      timer
    </timer>
    <state>
      state
    </state>
    <element>
      element
    </element>
  </route-queue>
</bgp-peer>
</bgp-information>
</bgp-group-information>
```



## Description

## &lt;route-resolution-information&gt;

## Usage

```
<route-resolution-information>
  <route-resolution-tree>....</route-resolution-tree>
</route-resolution-information>
```

## Description

## &lt;route-resolution-tree&gt;

## Usage

```
<route-resolution-information>
  <route-resolution-tree>
    <tree-index>
      tree-index
    </tree-index>
    <nodes>
      nodes
    </nodes>
    <tree-reference-count>
      tree-reference-count
    </tree-reference-count>
    <tree-contributing-ribs>
      tree-contributing-ribs
    </tree-contributing-ribs>
    <tree-policy>
      tree-policy
    </tree-policy>
    <node>....</node>
  </route-resolution-tree>
</route-resolution-information>
```

## Description

## &lt;route-summary-information&gt;

## Usage

```
<route-summary-information>
  <as-number>
    as-number
  </as-number>
  <router-id>
    router-id
  </router-id>
  <maximum-ecmp>
    maximum-ecmp
  </maximum-ecmp>
  <note-network-services-mode>
    note-network-services-mode
  </note-network-services-mode>
</route-table>....</route-table>
```

</route-summary-information>

#### Description

<route-table>

#### Usage

```
<route-information>
  <route-table>
    <protocols>....</protocols>
    <table-name>
      table-name
    </table-name>
    <destination-count>
      destination-count
    </destination-count>
    <total-route-count>
      total-route-count
    </total-route-count>
    <active-route-count>
      active-route-count
    </active-route-count>
    <holddown-route-count>
      holddown-route-count
    </holddown-route-count>
    <hidden-route-count>
      hidden-route-count
    </hidden-route-count>
    <restart-state>
      restart-state
    </restart-state>
    <rt>....</rt>
  </route-table>
</route-information>
```

#### Description

<route-table>

#### Usage

```
<route-summary-information>
  <route-table>
    <protocols>....</protocols>
    <table-name>
      table-name
    </table-name>
    <destination-count>
      destination-count
    </destination-count>
    <total-route-count>
      total-route-count
    </total-route-count>
    <active-route-count>
      active-route-count
```

```

</active-route-count>
<holddown-route-count>
  holddown-route-count
</holddown-route-count>
<hidden-route-count>
  hidden-route-count
</hidden-route-count>
<restart-state>
  restart-state
</restart-state>
<rt>....</rt>
</route-table>
</route-summary-information>

```

#### Description

<router-id-tlv>

#### Usage

```

<isis-tlv>
  <router-id-tlv>
    <router-id>
      router-id
    </router-id>
  </router-id-tlv>
</isis-tlv>

```

#### Description

<router-id-tlv>

#### Usage

```

<isis-database-entry>
  <isis-tlv>
    <router-id-tlv>
      <router-id>
        router-id
      </router-id>
    </router-id-tlv>
  </isis-tlv>
</isis-database-entry>

```

#### Description

<router-id-tlv>

#### Usage

```

<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <router-id-tlv>
        <router-id>
          router-id
        </router-id>
      </router-id-tlv>
    </isis-tlv>
  </isis-database-entry>
</isis-database>

```

```
</router-id>
</router-id-tlv>
</isis-tlv>
</isis-database-entry>
</isis-database>
```

#### Description

#### <router-id-tlv>

##### Usage

```
<isis-database-information>
<isis-database>
<isis-database-entry>
<isis-tlv>
  <router-id-tlv>
    <router-id>
      router-id
    </router-id>
  </router-id-tlv>
</isis-tlv>
</isis-database-entry>
</isis-database>
</isis-database-information>
```

#### Description

#### <rp-family>

##### Usage

```
<pim-rps-information>
<rp-family>
  <address-family>
    address-family
  </address-family>
  <rendezvous-point>....</rendezvous-point>
</rp-family>
</pim-rps-information>
```

#### Description

#### <rpf-family>

##### Usage

```
<multicast-rpf-information>
<rpf-family>
  <address-family>
    address-family
  </address-family>
  <rpf-table-name>
    rpf-table-name
  </rpf-table-name>
  <rpf-table-entry-count>
```

```

    rpf-table-entry-count
  </rpf-table-entry-count>
  <rpf-route>....</rpf-route>
</rpf-family>
</multicast-rpf-information>

```

#### Description

#### <rpf-route>

#### Usage

```

<multicast-rpf-information>
  <rpf-family>
    <rpf-route>
      <prefix>
        prefix
      </prefix>
      <rpf-route-inactive>
        rpf-route-inactive
      </rpf-route-inactive>
      <rpf-route-protocol>
        rpf-route-protocol
      </rpf-route-protocol>
      <interface-name>
        interface-name
      </interface-name>
      <rpf-route-neighbor>
        rpf-route-neighbor
      </rpf-route-neighbor>
    </rpf-route>
  </rpf-family>
</multicast-rpf-information>

```

#### Description

#### <rsvp-bypass-repl>

#### Usage

```

<rsvp-bypass-repl>
  <bypass-repl-interface-id>
    bypass-repl-interface-id
  </bypass-repl-interface-id>
  <bypass-repl-to-addr>
    bypass-repl-to-addr
  </bypass-repl-to-addr>
  <bypass-repl-avoid-addr>
    bypass-repl-avoid-addr
  </bypass-repl-avoid-addr>
  <bypass-repl-lp-num>
    bypass-repl-lp-num
  </bypass-repl-lp-num>
  <bypass-repl-id>
    bypass-repl-id
  </bypass-repl-id>

```

```
<bypass-repl-resolve-status>
  bypass-repl-resolve-status
</bypass-repl-resolve-status>
<bypass-repl-psb-id>
  bypass-repl-psb-id
</bypass-repl-psb-id>
<bypass-repl-state>
  bypass-repl-state
</bypass-repl-state>
<bypass-repl-manual-bypass-name>
  bypass-repl-manual-bypass-name
</bypass-repl-manual-bypass-name>
</rsvp-bypass-repl>
```

**Description** Information replicated for a bypass LSP

### <rsvp-bypass-repl>

#### Usage

```
<rsvp-bypass-repl-information>
<rsvp-bypass-repl>
  <bypass-repl-interface-id>
    bypass-repl-interface-id
  </bypass-repl-interface-id>
  <bypass-repl-to-addr>
    bypass-repl-to-addr
  </bypass-repl-to-addr>
  <bypass-repl-avoid-addr>
    bypass-repl-avoid-addr
  </bypass-repl-avoid-addr>
  <bypass-repl-lp-num>
    bypass-repl-lp-num
  </bypass-repl-lp-num>
  <bypass-repl-id>
    bypass-repl-id
  </bypass-repl-id>
  <bypass-repl-resolve-status>
    bypass-repl-resolve-status
  </bypass-repl-resolve-status>
  <bypass-repl-psb-id>
    bypass-repl-psb-id
  </bypass-repl-psb-id>
  <bypass-repl-state>
    bypass-repl-state
  </bypass-repl-state>
  <bypass-repl-manual-bypass-name>
    bypass-repl-manual-bypass-name
  </bypass-repl-manual-bypass-name>
</rsvp-bypass-repl>
</rsvp-bypass-repl-information>
```

**Description** Information replicated for a bypass LSP

### <rsvp-bypass-repl-information>

**Usage**

```
<rsvp-bypass-repl-information>
  <rsvp-bypass-repl>....</rsvp-bypass-repl>
</rsvp-bypass-repl-information>
```

**Description** Information replicated for one or more bypasses

### <rsvp-error>

**Usage**

```
<rsvp-error>
  <error-message>
    error-message
  </error-message>
  <error-count>
    error-count
  </error-count>
  <error-count-5seconds>
    error-count-5seconds
  </error-count-5seconds>
</rsvp-error>
```

**Description**

### <rsvp-error>

**Usage**

```
<rsvp-statistics-information>
  <rsvp-error>
    <error-message>
      error-message
    </error-message>
    <error-count>
      error-count
    </error-count>
    <error-count-5seconds>
      error-count-5seconds
    </error-count-5seconds>
  </rsvp-error>
</rsvp-statistics-information>
```

**Description**

### <rsvp-graceful-restart>

**Usage**

```
<rsvp-graceful-restart>
  <restart-status>
    restart-status
  </restart-status>
```

```
<helper-status>
  helper-status
</helper-status>
<maximum-helper-restart-time>
  maximum-helper-restart-time
</maximum-helper-restart-time>
<maximum-helper-recovery-time>
  maximum-helper-recovery-time
</maximum-helper-recovery-time>
<restart-time>
  restart-time
</restart-time>
<recovery-time>
  recovery-time
</recovery-time>
</rsvp-graceful-restart>
```

#### Description

**<rsvp-graceful-restart>**

#### Usage

```
<rsvp-neighbor>
  <rsvp-graceful-restart>
    <restart-status>
      restart-status
    </restart-status>
    <helper-status>
      helper-status
    </helper-status>
    <maximum-helper-restart-time>
      maximum-helper-restart-time
    </maximum-helper-restart-time>
    <maximum-helper-recovery-time>
      maximum-helper-recovery-time
    </maximum-helper-recovery-time>
    <restart-time>
      restart-time
    </restart-time>
    <recovery-time>
      recovery-time
    </recovery-time>
  </rsvp-graceful-restart>
</rsvp-neighbor>
```

#### Description

**<rsvp-graceful-restart>**

#### Usage

```
<rsvp-neighbor-information>
  <rsvp-neighbor>
    <rsvp-graceful-restart>
      <restart-status>
```



```

    restart-status
  </restart-status>
  <helper-status>
    helper-status
  </helper-status>
  <maximum-helper-restart-time>
    maximum-helper-restart-time
  </maximum-helper-restart-time>
  <maximum-helper-recovery-time>
    maximum-helper-recovery-time
  </maximum-helper-recovery-time>
  <restart-time>
    restart-time
  </restart-time>
  <recovery-time>
    recovery-time
  </recovery-time>
</rsvp-graceful-restart>
</rsvp-neighbor>
</rsvp-neighbor-information>

```

#### Description

### <rsvp-graceful-restart>

#### Usage

```

<rsvp-replication-neighbor>
  <rsvp-graceful-restart>
    <restart-status>
      restart-status
    </restart-status>
    <helper-status>
      helper-status
    </helper-status>
    <maximum-helper-restart-time>
      maximum-helper-restart-time
    </maximum-helper-restart-time>
    <maximum-helper-recovery-time>
      maximum-helper-recovery-time
    </maximum-helper-recovery-time>
    <restart-time>
      restart-time
    </restart-time>
    <recovery-time>
      recovery-time
    </recovery-time>
  </rsvp-graceful-restart>
</rsvp-replication-neighbor>

```

#### Description

## <rsvp-graceful-restart>

### Usage

```
<rsvp-neighbor-replication-information>
  <rsvp-replication-neighbor>
    <rsvp-graceful-restart>
      <restart-status>
        restart-status
      </restart-status>
      <helper-status>
        helper-status
      </helper-status>
      <maximum-helper-restart-time>
        maximum-helper-restart-time
      </maximum-helper-restart-time>
      <maximum-helper-recovery-time>
        maximum-helper-recovery-time
      </maximum-helper-recovery-time>
      <restart-time>
        restart-time
      </restart-time>
      <recovery-time>
        recovery-time
      </recovery-time>
    </rsvp-graceful-restart>
  </rsvp-replication-neighbor>
</rsvp-neighbor-replication-information>
```

### Description

## <rsvp-graceful-restart>

### Usage

```
<rsvp-version>
  <rsvp-graceful-restart>
    <restart-status>
      restart-status
    </restart-status>
    <helper-status>
      helper-status
    </helper-status>
    <maximum-helper-restart-time>
      maximum-helper-restart-time
    </maximum-helper-restart-time>
    <maximum-helper-recovery-time>
      maximum-helper-recovery-time
    </maximum-helper-recovery-time>
    <restart-time>
      restart-time
    </restart-time>
    <recovery-time>
      recovery-time
    </recovery-time>
  </rsvp-graceful-restart>
```

```
</rsvp-version>
```

## Description

### <rsvp-graceful-restart>

#### Usage

```
<rsvp-version-information>
  <rsvp-version>
    <rsvp-graceful-restart>
      <restart-status>
        restart-status
      </restart-status>
      <helper-status>
        helper-status
      </helper-status>
      <maximum-helper-restart-time>
        maximum-helper-restart-time
      </maximum-helper-restart-time>
      <maximum-helper-recovery-time>
        maximum-helper-recovery-time
      </maximum-helper-recovery-time>
      <restart-time>
        restart-time
      </restart-time>
      <recovery-time>
        recovery-time
      </recovery-time>
    </rsvp-graceful-restart>
  </rsvp-version>
</rsvp-version-information>
```

## Description

### <rsvp-interface>

#### Usage

```
<rsvp-interface>
  <interface-name>
    interface-name
  </interface-name>
  <rsvp-status>
    rsvp-status
  </rsvp-status>
  <active-control-channel>
    active-control-channel
  </active-control-channel>
  <control-channel-unusable>
    control-channel-unusable
  </control-channel-unusable>
  <index>
    index
  </index>
  <authentication-flag>
```

```
    authentication-flag
  </authentication-flag>
  <aggregate-flag>
    aggregate-flag
  </aggregate-flag>
  <ack-flag>
    ack-flag
  </ack-flag>
  <protect-flag>
    protect-flag
  </protect-flag>
  <hello-interval>
    hello-interval
  </hello-interval>
  <forward-rsvp>
    forward-rsvp
  </forward-rsvp>
  <interface-address>
    interface-address
  </interface-address>
  <loopback-address>
    loopback-address
  </loopback-address>
  <rsvp-telink>....</rsvp-telink>
  <message-statistics>....</message-statistics>
  <bypass-info>....</bypass-info>
  <cos-info>....</cos-info>
</rsvp-interface>
```

## Description

### <rsvp-interface>

#### Usage

```
<rsvp-interface-information>
  <rsvp-interface>
    <interface-name>
      interface-name
    </interface-name>
    <rsvp-status>
      rsvp-status
    </rsvp-status>
    <active-control-channel>
      active-control-channel
    </active-control-channel>
    <control-channel-unusable>
      control-channel-unusable
    </control-channel-unusable>
    <index>
      index
    </index>
    <authentication-flag>
      authentication-flag
    </authentication-flag>
    <aggregate-flag>
```

```

    aggregate-flag
  </aggregate-flag>
  <ack-flag>
    ack-flag
  </ack-flag>
  <protect-flag>
    protect-flag
  </protect-flag>
  <hello-interval>
    hello-interval
  </hello-interval>
  <forward-rsvp>
    forward-rsvp
  </forward-rsvp>
  <interface-address>
    interface-address
  </interface-address>
  <loopback-address>
    loopback-address
  </loopback-address>
  <rsvp-telink>....</rsvp-telink>
  <message-statistics>....</message-statistics>
  <bypass-info>....</bypass-info>
  <cos-info>....</cos-info>
</rsvp-interface>
</rsvp-interface-information>

```

**Description****<rsvp-interface-information>****Usage**

```

<rsvp-interface-information>
  <active-count>
    active-count
  </active-count>
  <rsvp-interface>....</rsvp-interface>
</rsvp-interface-information>

```

**Description****<rsvp-interface-replication-information>****Usage**

```

<rsvp-interface-replication-information>
  <rsvp-replication-te-link>....</rsvp-replication-te-link>
</rsvp-interface-replication-information>

```

**Description** Information about one or more replicated RSVP traffic-engineering links

## <rsvp-neighbor>

### Usage

```
<rsvp-neighbor>
  <rsvp-neighbor-address>
    rsvp-neighbor-address
  </rsvp-neighbor-address>
  <rsvp-neighbor-interface>
    rsvp-neighbor-interface
  </rsvp-neighbor-interface>
  <rsvp-neighbor-status>
    rsvp-neighbor-status
  </rsvp-neighbor-status>
  <rsvp-neighbor-remote>
    rsvp-neighbor-remote
  </rsvp-neighbor-remote>
  <rsvp-neighbor-node>
    rsvp-neighbor-node
  </rsvp-neighbor-node>
  <neighbor-idle>
    neighbor-idle
  </neighbor-idle>
  <neighbor-up-count>
    neighbor-up-count
  </neighbor-up-count>
  <neighbor-down-count>
    neighbor-down-count
  </neighbor-down-count>
  <last-changed-time>
    last-changed-time
  </last-changed-time>
  <hello-interval>
    hello-interval
  </hello-interval>
  <hellos-sent>
    hellos-sent
  </hellos-sent>
  <hellos-received>
    hellos-received
  </hellos-received>
  <messages-received>
    messages-received
  </messages-received>
  <rsvp-neighbor-remote-instance>
    rsvp-neighbor-remote-instance
  </rsvp-neighbor-remote-instance>
  <rsvp-neighbor-local-instance>
    rsvp-neighbor-local-instance
  </rsvp-neighbor-local-instance>
  <rsvp-message>
    rsvp-message
  </rsvp-message>
  <rsvp-refresh-reduct-status>
    rsvp-refresh-reduct-status
  </rsvp-refresh-reduct-status>
```

```

<rsvp-refresh-reduct-remote-status>
  rsvp-refresh-reduct-remote-status
</rsvp-refresh-reduct-remote-status>
<rsvp-refresh-reduct-ack-status>
  rsvp-refresh-reduct-ack-status
</rsvp-refresh-reduct-ack-status>
<rsvp-graceful-restart>....</rsvp-graceful-restart>
</rsvp-neighbor>

```

## Description

### <rsvp-neighbor>

#### Usage

```

<rsvp-neighbor-information>
<rsvp-neighbor>
  <rsvp-neighbor-address>
    rsvp-neighbor-address
  </rsvp-neighbor-address>
  <rsvp-neighbor-interface>
    rsvp-neighbor-interface
  </rsvp-neighbor-interface>
  <rsvp-neighbor-status>
    rsvp-neighbor-status
  </rsvp-neighbor-status>
  <rsvp-neighbor-remote>
    rsvp-neighbor-remote
  </rsvp-neighbor-remote>
  <rsvp-neighbor-node>
    rsvp-neighbor-node
  </rsvp-neighbor-node>
  <neighbor-idle>
    neighbor-idle
  </neighbor-idle>
  <neighbor-up-count>
    neighbor-up-count
  </neighbor-up-count>
  <neighbor-down-count>
    neighbor-down-count
  </neighbor-down-count>
  <last-changed-time>
    last-changed-time
  </last-changed-time>
  <hello-interval>
    hello-interval
  </hello-interval>
  <hellos-sent>
    hellos-sent
  </hellos-sent>
  <hellos-received>
    hellos-received
  </hellos-received>
  <messages-received>
    messages-received
  </messages-received>

```

```
<rsvp-neighbor-remote-instance>
  rsvp-neighbor-remote-instance
</rsvp-neighbor-remote-instance>
<rsvp-neighbor-local-instance>
  rsvp-neighbor-local-instance
</rsvp-neighbor-local-instance>
<rsvp-message>
  rsvp-message
</rsvp-message>
<rsvp-refresh-reduct-status>
  rsvp-refresh-reduct-status
</rsvp-refresh-reduct-status>
<rsvp-refresh-reduct-remote-status>
  rsvp-refresh-reduct-remote-status
</rsvp-refresh-reduct-remote-status>
<rsvp-refresh-reduct-ack-status>
  rsvp-refresh-reduct-ack-status
</rsvp-refresh-reduct-ack-status>
<rsvp-graceful-restart>....</rsvp-graceful-restart>
</rsvp-neighbor>
</rsvp-neighbor-information>
```

#### Description

### <rsvp-neighbor-information>

#### Usage

```
<rsvp-neighbor-information>
  <rsvp-neighbor-count>
    rsvp-neighbor-count
  </rsvp-neighbor-count>
  <rsvp-neighbor>....</rsvp-neighbor>
</rsvp-neighbor-information>
```

#### Description

### <rsvp-neighbor-replication-information>

#### Usage

```
<rsvp-neighbor-replication-information>
  <rsvp-replication-neighbor>....</rsvp-replication-neighbor>
</rsvp-neighbor-replication-information>
```

**Description** Information about one or more RSVP replication neighbors

### <rsvp-path-state-replication-information>

#### Usage

```
<rsvp-path-state-replication-information>
  <rsvp-replication-path-state>....</rsvp-replication-path-state>
</rsvp-path-state-replication-information>
```



**Description** Information about one or more replicated RSVP PATH state blocks

### <rsvp-replication-neighbor>

#### Usage

```
<rsvp-replication-neighbor>
  <replication-neighbor-address>
    replication-neighbor-address
  </replication-neighbor-address>
  <neighbor-interface>
    neighbor-interface
  </neighbor-interface>
  <neighbor-status>
    neighbor-status
  </neighbor-status>
  <replication-neighbor-up-count>
    replication-neighbor-up-count
  </replication-neighbor-up-count>
  <neighbor-flags>
    neighbor-flags
  </neighbor-flags>
  <neighbor-replication-sync-status>
    neighbor-replication-sync-status
  </neighbor-replication-sync-status>
  <neighbor-remote-instance>
    neighbor-remote-instance
  </neighbor-remote-instance>
  <neighbor-local-instance>
    neighbor-local-instance
  </neighbor-local-instance>
  <rsvp-graceful-restart>....</rsvp-graceful-restart>
</rsvp-replication-neighbor>
```

**Description** Replication information for an RSVP neighbor

### <rsvp-replication-neighbor>

#### Usage

```
<rsvp-neighbor-replication-information>
  <rsvp-replication-neighbor>
    <replication-neighbor-address>
      replication-neighbor-address
    </replication-neighbor-address>
    <neighbor-interface>
      neighbor-interface
    </neighbor-interface>
    <neighbor-status>
      neighbor-status
    </neighbor-status>
    <replication-neighbor-up-count>
      replication-neighbor-up-count
    </replication-neighbor-up-count>
    <neighbor-flags>
```

```
    neighbor-flags
  </neighbor-flags>
  <neighbor-replication-sync-status>
    neighbor-replication-sync-status
  </neighbor-replication-sync-status>
  <neighbor-remote-instance>
    neighbor-remote-instance
  </neighbor-remote-instance>
  <neighbor-local-instance>
    neighbor-local-instance
  </neighbor-local-instance>
  <rsvp-graceful-restart>....</rsvp-graceful-restart>
</rsvp-replication-neighbor>
</rsvp-neighbor-replication-information>
```

**Description** Replication information for an RSVP neighbor

### <rsvp-replication-path-state>

#### Usage

```
<rsvp-replication-path-state>
  <path-state-address>
    path-state-address
  </path-state-address>
  <path-state-interface-id>
    path-state-interface-id
  </path-state-interface-id>
  <path-state-session-id>
    path-state-session-id
  </path-state-session-id>
  <path-state-id>
    path-state-id
  </path-state-id>
  <path-state-self-id>
    path-state-self-id
  </path-state-self-id>
  <path-state-tag>
    path-state-tag
  </path-state-tag>
  <path-state-rr-epoch>
    path-state-rr-epoch
  </path-state-rr-epoch>
  <path-state-p2mp-remerge-head>
    path-state-p2mp-remerge-head
  </path-state-p2mp-remerge-head>
  <path-state-resv-msg-id>
    path-state-resv-msg-id
  </path-state-resv-msg-id>
  <path-state-bypass-id>
    path-state-bypass-id
  </path-state-bypass-id>
  <path-state-nh-type>
    path-state-nh-type
  </path-state-nh-type>
```

```

<path-state-nh-outgoing-interface>
  path-state-nh-outgoing-interface
</path-state-nh-outgoing-interface>
<path-state-nh-upstream-tag>
  path-state-nh-upstream-tag
</path-state-nh-upstream-tag>
<path-state-nh-te-link-id>
  path-state-nh-te-link-id
</path-state-nh-te-link-id>
<path-state-nh-peer-address>
  path-state-nh-peer-address
</path-state-nh-peer-address>
<path-state-nh-avoid-address>
  path-state-nh-avoid-address
</path-state-nh-avoid-address>
<path-state-nh-ero>
  path-state-nh-ero
</path-state-nh-ero>
<path-state-nh-msg-id>
  path-state-nh-msg-id
</path-state-nh-msg-id>
</rsvp-replication-path-state>

```

**Description** Information about a replicated RSVP PATH state block

### <rsvp-replication-path-state>

#### Usage

```

<rsvp-path-state-replication-information>
  <rsvp-replication-path-state>
    <path-state-address>
      path-state-address
    </path-state-address>
    <path-state-interface-id>
      path-state-interface-id
    </path-state-interface-id>
    <path-state-session-id>
      path-state-session-id
    </path-state-session-id>
    <path-state-id>
      path-state-id
    </path-state-id>
    <path-state-self-id>
      path-state-self-id
    </path-state-self-id>
    <path-state-tag>
      path-state-tag
    </path-state-tag>
    <path-state-rr-epoch>
      path-state-rr-epoch
    </path-state-rr-epoch>
    <path-state-p2mp-remerge-head>
      path-state-p2mp-remerge-head
    </path-state-p2mp-remerge-head>
  </rsvp-replication-path-state>
</rsvp-path-state-replication-information>

```

```
<path-state-resv-msg-id>
  path-state-resv-msg-id
</path-state-resv-msg-id>
<path-state-bypass-id>
  path-state-bypass-id
</path-state-bypass-id>
<path-state-nh-type>
  path-state-nh-type
</path-state-nh-type>
<path-state-nh-outgoing-interface>
  path-state-nh-outgoing-interface
</path-state-nh-outgoing-interface>
<path-state-nh-upstream-tag>
  path-state-nh-upstream-tag
</path-state-nh-upstream-tag>
<path-state-nh-te-link-id>
  path-state-nh-te-link-id
</path-state-nh-te-link-id>
<path-state-nh-peer-address>
  path-state-nh-peer-address
</path-state-nh-peer-address>
<path-state-nh-avoid-address>
  path-state-nh-avoid-address
</path-state-nh-avoid-address>
<path-state-nh-ero>
  path-state-nh-ero
</path-state-nh-ero>
<path-state-nh-msg-id>
  path-state-nh-msg-id
</path-state-nh-msg-id>
</rsvp-replication-path-state>
</rsvp-path-state-replication-information>
```

**Description** Information about a replicated RSVP PATH state block

### <rsvp-replication-resv-state>

#### Usage

```
<rsvp-replication-resv-state>
  <resv-state-interface-id>
    resv-state-interface-id
  </resv-state-interface-id>
  <resv-state-session-id>
    resv-state-session-id
  </resv-state-session-id>
  <resv-state-self-id>
    resv-state-self-id
  </resv-state-self-id>
</rsvp-replication-resv-state>
```

**Description** Information about replicated RESV state block

**<rsvp-replication-resv-state>****Usage**

```

<rsvp-resv-state-replication-information>
  <rsvp-replication-resv-state>
    <resv-state-interface-id>
      resv-state-interface-id
    </resv-state-interface-id>
    <resv-state-session-id>
      resv-state-session-id
    </resv-state-session-id>
    <resv-state-self-id>
      resv-state-self-id
    </resv-state-self-id>
  </rsvp-replication-resv-state>
</rsvp-resv-state-replication-information>

```

**Description** Information about replicated RESV state block

**<rsvp-replication-session>****Usage**

```

<rsvp-replication-session>
  <destination-address>
    destination-address
  </destination-address>
  <source-address>
    source-address
  </source-address>
  <label-in>
    label-in
  </label-in>
  <path-state-id>
    path-state-id
  </path-state-id>
  <session-id>
    session-id
  </session-id>
  <name>
    name
  </name>
  <replication-state>
    replication-state
  </replication-state>
</rsvp-replication-session>

```

**Description** Information about a replicated RSVP session

**<rsvp-replication-session>****Usage**

```

<rsvp-session-replication-information>

```

```
<rsvp-replication-session>
  <destination-address>
    destination-address
  </destination-address>
  <source-address>
    source-address
  </source-address>
  <label-in>
    label-in
  </label-in>
  <path-state-id>
    path-state-id
  </path-state-id>
  <session-id>
    session-id
  </session-id>
  <name>
    name
  </name>
  <replication-state>
    replication-state
  </replication-state>
</rsvp-replication-session>
</rsvp-session-replication-information>
```

**Description** Information about a replicated RSVP session

### <rsvp-replication-te-link>

#### Usage

```
<rsvp-replication-te-link>
  <te-link-id>
    te-link-id
  </te-link-id>
  <te-link-interface-id>
    te-link-interface-id
  </te-link-interface-id>
  <te-link-reference-count>
    te-link-reference-count
  </te-link-reference-count>
</rsvp-replication-te-link>
```

**Description** Information about a replicated traffic-engineering link

### <rsvp-replication-te-link>

#### Usage

```
<rsvp-interface-replication-information>
  <rsvp-replication-te-link>
    <te-link-id>
      te-link-id
    </te-link-id>
```

```

<te-link-interface-id>
  te-link-interface-id
</te-link-interface-id>
<te-link-reference-count>
  te-link-reference-count
</te-link-reference-count>
</rsvp-replication-te-link>
</rsvp-interface-replication-information>

```

**Description** Information about a replicated traffic-engineering link

### <rsvp-resv-state-replication-information>

#### Usage

```

<rsvp-resv-state-replication-information>
  <rsvp-replication-resv-state>....</rsvp-replication-resv-state>
</rsvp-resv-state-replication-information>

```

**Description** Information about one or more replicated RSVP RESV state blocks

### <rsvp-session>

#### Usage

```

<rsvp-session-data>
  <rsvp-session>
    <destination-address>
      destination-address
    </destination-address>
    <is-detour>
      is-detour
    </is-detour>
    <source-address>
      source-address
    </source-address>
    <lsp-state>
      lsp-state
    </lsp-state>
    <lsp-pktbytes>
      lsp-pktbytes
    </lsp-pktbytes>
    <bypass-name>
      bypass-name
    </bypass-name>
    <no-statistics>
      no-statistics
    </no-statistics>
    <route-count>
      route-count
    </route-count>
    <rsb-count>
      rsb-count
    </rsb-count>
  </rsvp-session>
</rsvp-session-data>

```

```
<resv-style>
  resv-style
</resv-style>
<label-in>
  label-in
</label-in>
<label-out>
  label-out
</label-out>
<name>
  name
</name>
<mpls-p2mp-lsp-name>
  mpls-p2mp-lsp-name
</mpls-p2mp-lsp-name>
<p2mp-remerge-state>
  p2mp-remerge-state
</p2mp-remerge-state>
<lsp-description>
  lsp-description
</lsp-description>
<lsp-path-type>
  lsp-path-type
</lsp-path-type>
<mpls-lsp-type>
  mpls-lsp-type
</mpls-lsp-type>
<lsp-aggregation>
  lsp-aggregation
</lsp-aggregation>
<graceful-deletion-triggered>
  graceful-deletion-triggered
</graceful-deletion-triggered>
<source-tna-address>
  source-tna-address
</source-tna-address>
<destination-tna-address>
  destination-tna-address
</destination-tna-address>
<bidirectional>
  bidirectional
</bidirectional>
<upstream-label-in>
  upstream-label-in
</upstream-label-in>
<upstream-label-out>
  upstream-label-out
</upstream-label-out>
<suggested-label-in>
  suggested-label-in
</suggested-label-in>
<suggested-label-out>
  suggested-label-out
</suggested-label-out>
<recovery-label-in>
  recovery-label-in
```



```
</recovery-label-in>
<recovery-label-out>
  recovery-label-out
</recovery-label-out>
<psb-lifetime>
  psb-lifetime
</psb-lifetime>
<psb-creation-time>
  psb-creation-time
</psb-creation-time>
<path-mtu>
  path-mtu
</path-mtu>
<path-mtu-in-kernel>
  path-mtu-in-kernel
</path-mtu-in-kernel>
<sender-tspec>
  sender-tspec
</sender-tspec>
<layer2-tspec>....</layer2-tspec>
<adspec>
  adspec
</adspec>
<ct-bw>
  ct-bw
</ct-bw>
<lsp-diffserv-info>
  lsp-diffserv-info
</lsp-diffserv-info>
<lsp-id>
  lsp-id
</lsp-id>
<tunnel-id>
  tunnel-id
</tunnel-id>
<proto-id>
  proto-id
</proto-id>
<self-id>
  self-id
</self-id>
<session-id>
  session-id
</session-id>
<is-fastreroute>
  is-fastreroute
</is-fastreroute>
<is-linkprotection>
  is-linkprotection
</is-linkprotection>
<is-nodeprotection>
  is-nodeprotection
</is-nodeprotection>
<is-soft-preemption>
  is-soft-preemption
</is-soft-preemption>
```

```
<rsvp-path-status>
  rsvp-path-status
</rsvp-path-status>
<rsvp-lp-backup-route-cnt>
  rsvp-lp-backup-route-cnt
</rsvp-lp-backup-route-cnt>
<rsvp-lp-backup-lsp-cnt>
  rsvp-lp-backup-lsp-cnt
</rsvp-lp-backup-lsp-cnt>
<packet-information>....</packet-information>
<explicit-route>....</explicit-route>
<record-route>....</record-route>
<lsp-attribute-flags>....</lsp-attribute-flags>
<lp-history>....</lp-history>
<rsvp-telink>....</rsvp-telink>
<detour>....</detour>
<detour-branch>....</detour-branch>
<mpls-lsp>....</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
```

**Description**    Single RSVP session

### <rsvp-session>

#### Usage

```
<rsvp-session>
<destination-address>
  destination-address
</destination-address>
<is-detour>
  is-detour
</is-detour>
<source-address>
  source-address
</source-address>
<lsp-state>
  lsp-state
</lsp-state>
<lsp-pktbytes>
  lsp-pktbytes
</lsp-pktbytes>
<bypass-name>
  bypass-name
</bypass-name>
<no-statistics>
  no-statistics
</no-statistics>
<route-count>
  route-count
</route-count>
<rsb-count>
  rsb-count
</rsb-count>
```

```
<resv-style>
  resv-style
</resv-style>
<label-in>
  label-in
</label-in>
<label-out>
  label-out
</label-out>
<name>
  name
</name>
<mpls-p2mp-lsp-name>
  mpls-p2mp-lsp-name
</mpls-p2mp-lsp-name>
<p2mp-remerge-state>
  p2mp-remerge-state
</p2mp-remerge-state>
<lsp-description>
  lsp-description
</lsp-description>
<lsp-path-type>
  lsp-path-type
</lsp-path-type>
<mpls-lsp-type>
  mpls-lsp-type
</mpls-lsp-type>
<lsp-aggregation>
  lsp-aggregation
</lsp-aggregation>
<graceful-deletion-triggered>
  graceful-deletion-triggered
</graceful-deletion-triggered>
<source-tna-address>
  source-tna-address
</source-tna-address>
<destination-tna-address>
  destination-tna-address
</destination-tna-address>
<bidirectional>
  bidirectional
</bidirectional>
<upstream-label-in>
  upstream-label-in
</upstream-label-in>
<upstream-label-out>
  upstream-label-out
</upstream-label-out>
<suggested-label-in>
  suggested-label-in
</suggested-label-in>
<suggested-label-out>
  suggested-label-out
</suggested-label-out>
<recovery-label-in>
  recovery-label-in
```

```
</recovery-label-in>
<recovery-label-out>
  recovery-label-out
</recovery-label-out>
<psb-lifetime>
  psb-lifetime
</psb-lifetime>
<psb-creation-time>
  psb-creation-time
</psb-creation-time>
<path-mtu>
  path-mtu
</path-mtu>
<path-mtu-in-kernel>
  path-mtu-in-kernel
</path-mtu-in-kernel>
<sender-tspec>
  sender-tspec
</sender-tspec>
<layer2-tspec>....</layer2-tspec>
<adspec>
  adspec
</adspec>
<ct-bw>
  ct-bw
</ct-bw>
<lsp-diffserv-info>
  lsp-diffserv-info
</lsp-diffserv-info>
<lsp-id>
  lsp-id
</lsp-id>
<tunnel-id>
  tunnel-id
</tunnel-id>
<proto-id>
  proto-id
</proto-id>
<self-id>
  self-id
</self-id>
<session-id>
  session-id
</session-id>
<is-fastreroute>
  is-fastreroute
</is-fastreroute>
<is-linkprotection>
  is-linkprotection
</is-linkprotection>
<is-nodeprotection>
  is-nodeprotection
</is-nodeprotection>
<is-soft-preemption>
  is-soft-preemption
</is-soft-preemption>
```

```

<rsvp-path-status>
  rsvp-path-status
</rsvp-path-status>
<rsvp-lp-backup-route-cnt>
  rsvp-lp-backup-route-cnt
</rsvp-lp-backup-route-cnt>
<rsvp-lp-backup-lsp-cnt>
  rsvp-lp-backup-lsp-cnt
</rsvp-lp-backup-lsp-cnt>
<packet-information>....</packet-information>
<explicit-route>....</explicit-route>
<record-route>....</record-route>
<lsp-attribute-flags>....</lsp-attribute-flags>
<lp-history>....</lp-history>
<rsvp-telink>....</rsvp-telink>
<detour>....</detour>
<detour-branch>....</detour-branch>
<mpls-lsp>....</mpls-lsp>
</rsvp-session>

```

**Description** Single RSVP session

## <rsvp-session>

### Usage

```

<rsvp-session-information>
<rsvp-session-data>
  <rsvp-session>
    <destination-address>
      destination-address
    </destination-address>
    <is-detour>
      is-detour
    </is-detour>
    <source-address>
      source-address
    </source-address>
    <lsp-state>
      lsp-state
    </lsp-state>
    <lsp-pktbytes>
      lsp-pktbytes
    </lsp-pktbytes>
    <bypass-name>
      bypass-name
    </bypass-name>
    <no-statistics>
      no-statistics
    </no-statistics>
    <route-count>
      route-count
    </route-count>
    <rsb-count>
      rsb-count

```

```
</rsb-count>
<resv-style>
  resv-style
</resv-style>
<label-in>
  label-in
</label-in>
<label-out>
  label-out
</label-out>
<name>
  name
</name>
<mpls-p2mp-lsp-name>
  mpls-p2mp-lsp-name
</mpls-p2mp-lsp-name>
<p2mp-remerge-state>
  p2mp-remerge-state
</p2mp-remerge-state>
<lsp-description>
  lsp-description
</lsp-description>
<lsp-path-type>
  lsp-path-type
</lsp-path-type>
<mpls-lsp-type>
  mpls-lsp-type
</mpls-lsp-type>
<lsp-aggregation>
  lsp-aggregation
</lsp-aggregation>
<graceful-deletion-triggered>
  graceful-deletion-triggered
</graceful-deletion-triggered>
<source-tna-address>
  source-tna-address
</source-tna-address>
<destination-tna-address>
  destination-tna-address
</destination-tna-address>
<bidirectional>
  bidirectional
</bidirectional>
<upstream-label-in>
  upstream-label-in
</upstream-label-in>
<upstream-label-out>
  upstream-label-out
</upstream-label-out>
<suggested-label-in>
  suggested-label-in
</suggested-label-in>
<suggested-label-out>
  suggested-label-out
</suggested-label-out>
<recovery-label-in>
```

```
    recovery-label-in
  </recovery-label-in>
  <recovery-label-out>
    recovery-label-out
  </recovery-label-out>
  <psb-lifetime>
    psb-lifetime
  </psb-lifetime>
  <psb-creation-time>
    psb-creation-time
  </psb-creation-time>
  <path-mtu>
    path-mtu
  </path-mtu>
  <path-mtu-in-kernel>
    path-mtu-in-kernel
  </path-mtu-in-kernel>
  <sender-tspec>
    sender-tspec
  </sender-tspec>
  <layer2-tspec>....</layer2-tspec>
  <adspec>
    adspec
  </adspec>
  <ct-bw>
    ct-bw
  </ct-bw>
  <lsp-diffserv-info>
    lsp-diffserv-info
  </lsp-diffserv-info>
  <lsp-id>
    lsp-id
  </lsp-id>
  <tunnel-id>
    tunnel-id
  </tunnel-id>
  <proto-id>
    proto-id
  </proto-id>
  <self-id>
    self-id
  </self-id>
  <session-id>
    session-id
  </session-id>
  <is-fastreroute>
    is-fastreroute
  </is-fastreroute>
  <is-linkprotection>
    is-linkprotection
  </is-linkprotection>
  <is-nodeprotection>
    is-nodeprotection
  </is-nodeprotection>
  <is-soft-preemption>
    is-soft-preemption
```

```
</is-soft-preemption>
<rsvp-path-status>
  rsvp-path-status
</rsvp-path-status>
<rsvp-lp-backup-route-cnt>
  rsvp-lp-backup-route-cnt
</rsvp-lp-backup-route-cnt>
<rsvp-lp-backup-lsp-cnt>
  rsvp-lp-backup-lsp-cnt
</rsvp-lp-backup-lsp-cnt>
<packet-information>....</packet-information>
<explicit-route>....</explicit-route>
<record-route>....</record-route>
<lsp-attribute-flags>....</lsp-attribute-flags>
<lp-history>....</lp-history>
<rsvp-telink>....</rsvp-telink>
<detour>....</detour>
<detour-branch>....</detour-branch>
<mpls-lsp>....</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>
```

**Description**    Single RSVP session

### <rsvp-session>

#### Usage

```
<mpls-lsp-information>
<rsvp-session-data>
  <rsvp-session>
    <destination-address>
      destination-address
    </destination-address>
    <is-detour>
      is-detour
    </is-detour>
    <source-address>
      source-address
    </source-address>
    <lsp-state>
      lsp-state
    </lsp-state>
    <lsp-pktbytes>
      lsp-pktbytes
    </lsp-pktbytes>
    <bypass-name>
      bypass-name
    </bypass-name>
    <no-statistics>
      no-statistics
    </no-statistics>
    <route-count>
      route-count
  </rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>
```



```
</route-count>
<rsb-count>
  rsb-count
</rsb-count>
<resv-style>
  resv-style
</resv-style>
<label-in>
  label-in
</label-in>
<label-out>
  label-out
</label-out>
<name>
  name
</name>
<mpls-p2mp-lsp-name>
  mpls-p2mp-lsp-name
</mpls-p2mp-lsp-name>
<p2mp-remerge-state>
  p2mp-remerge-state
</p2mp-remerge-state>
<lsp-description>
  lsp-description
</lsp-description>
<lsp-path-type>
  lsp-path-type
</lsp-path-type>
<mpls-lsp-type>
  mpls-lsp-type
</mpls-lsp-type>
<lsp-aggregation>
  lsp-aggregation
</lsp-aggregation>
<graceful-deletion-triggered>
  graceful-deletion-triggered
</graceful-deletion-triggered>
<source-tna-address>
  source-tna-address
</source-tna-address>
<destination-tna-address>
  destination-tna-address
</destination-tna-address>
<bidirectional>
  bidirectional
</bidirectional>
<upstream-label-in>
  upstream-label-in
</upstream-label-in>
<upstream-label-out>
  upstream-label-out
</upstream-label-out>
<suggested-label-in>
  suggested-label-in
</suggested-label-in>
<suggested-label-out>
```

```
    suggested-label-out
  </suggested-label-out>
  <recovery-label-in>
    recovery-label-in
  </recovery-label-in>
  <recovery-label-out>
    recovery-label-out
  </recovery-label-out>
  <psb-lifetime>
    psb-lifetime
  </psb-lifetime>
  <psb-creation-time>
    psb-creation-time
  </psb-creation-time>
  <path-mtu>
    path-mtu
  </path-mtu>
  <path-mtu-in-kernel>
    path-mtu-in-kernel
  </path-mtu-in-kernel>
  <sender-tspec>
    sender-tspec
  </sender-tspec>
  <layer2-tspec>....</layer2-tspec>
  <adspec>
    adspec
  </adspec>
  <ct-bw>
    ct-bw
  </ct-bw>
  <lsp-diffserv-info>
    lsp-diffserv-info
  </lsp-diffserv-info>
  <lsp-id>
    lsp-id
  </lsp-id>
  <tunnel-id>
    tunnel-id
  </tunnel-id>
  <proto-id>
    proto-id
  </proto-id>
  <self-id>
    self-id
  </self-id>
  <session-id>
    session-id
  </session-id>
  <is-fastreroute>
    is-fastreroute
  </is-fastreroute>
  <is-linkprotection>
    is-linkprotection
  </is-linkprotection>
  <is-nodeprotection>
    is-nodeprotection
```

```

</is-nodeprotection>
<is-soft-preemption>
  is-soft-preemption
</is-soft-preemption>
<rsvp-path-status>
  rsvp-path-status
</rsvp-path-status>
<rsvp-lp-backup-route-cnt>
  rsvp-lp-backup-route-cnt
</rsvp-lp-backup-route-cnt>
<rsvp-lp-backup-lsp-cnt>
  rsvp-lp-backup-lsp-cnt
</rsvp-lp-backup-lsp-cnt>
<packet-information>....</packet-information>
<explicit-route>....</explicit-route>
<record-route>....</record-route>
<lsp-attribute-flags>....</lsp-attribute-flags>
<lp-history>....</lp-history>
<rsvp-telink>....</rsvp-telink>
<detour>....</detour>
<detour-branch>....</detour-branch>
<mpls-lsp>....</mpls-lsp>
</rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>

```

**Description** Single RSVP session

### <rsvp-session-data>

#### Usage

```

<rsvp-session-data>
  <session-type>
    session-type
  </session-type>
  <count>
    count
  </count>
  <display-count>
    display-count
  </display-count>
  <up-count>
    up-count
  </up-count>
  <down-count>
    down-count
  </down-count>
  <detours>
    detours
  </detours>
  <rsvp-session>....</rsvp-session>
  <mpls-p2mp-lsp>....</mpls-p2mp-lsp>
</rsvp-session-data>

```

**Description****<rsvp-session-data>****Usage**

```
<rsvp-session-information>
  <rsvp-session-data>
    <session-type>
      session-type
    </session-type>
    <count>
      count
    </count>
    <display-count>
      display-count
    </display-count>
    <up-count>
      up-count
    </up-count>
    <down-count>
      down-count
    </down-count>
    <detours>
      detours
    </detours>
    <rsvp-session>....</rsvp-session>
    <mpls-p2mp-lsp>....</mpls-p2mp-lsp>
  </rsvp-session-data>
</rsvp-session-information>
```

**Description****<rsvp-session-data>****Usage**

```
<mpls-lsp-information>
  <rsvp-session-data>
    <session-type>
      session-type
    </session-type>
    <count>
      count
    </count>
    <display-count>
      display-count
    </display-count>
    <up-count>
      up-count
    </up-count>
    <down-count>
      down-count
    </down-count>
    <detours>
      detours
    </detours>
```

```

    <rsvp-session>....</rsvp-session>
    <mpls-p2mp-lsp>....</mpls-p2mp-lsp>
  </rsvp-session-data>
</mpls-lsp-information>

```

**Description****<rsvp-session-information>****Usage**

```

<rsvp-session-information>
  <rsvp-session-data>....</rsvp-session-data>
</rsvp-session-information>

```

**Description****<rsvp-session-replication-information>****Usage**

```

<rsvp-session-replication-information>
  <rsvp-replication-session>....</rsvp-replication-session>
</rsvp-session-replication-information>

```

**Description** Information about one or more replicated RSVP sessions

**<rsvp-statistics-information>****Usage**

```

<rsvp-statistics-information>
  <message-statistics>....</message-statistics>
  <rsvp-error>....</rsvp-error>
</rsvp-statistics-information>

```

**Description****<rsvp-telink>****Usage**

```

<rsvp-telink>
  <telink-name>
    telink-name
  </telink-name>
  <telink-local-id>
    telink-local-id
  </telink-local-id>
  <telink-state>
    telink-state
  </telink-state>
  <active-reservation>
    active-reservation
  </active-reservation>

```

```
<subscription>
  subscription
</subscription>
<ct-subscription>
  ct-subscription
</ct-subscription>
<static-bandwidth>
  static-bandwidth
</static-bandwidth>
<available-bandwidth>
  available-bandwidth
</available-bandwidth>
<max-available-bandwidth>
  max-available-bandwidth
</max-available-bandwidth>
<max-available-description>
  max-available-description
</max-available-description>
<static-bc-bandwidth>
  static-bc-bandwidth
</static-bc-bandwidth>
<total-reserved-bandwidth>
  total-reserved-bandwidth
</total-reserved-bandwidth>
<bc>
  bc
</bc>
<bc-description>
  bc-description
</bc-description>
<ct-class>
  ct-class
</ct-class>
<ct-bw0>
  ct-bw0
</ct-bw0>
<ct-bw1>
  ct-bw1
</ct-bw1>
<ct-bw2>
  ct-bw2
</ct-bw2>
<ct-bw3>
  ct-bw3
</ct-bw3>
<ct-bw4>
  ct-bw4
</ct-bw4>
<ct-bw5>
  ct-bw5
</ct-bw5>
<ct-bw6>
  ct-bw6
</ct-bw6>
<ct-bw7>
  ct-bw7
```

```

</ct-bw7>
<high-watermark>
  high-watermark
</high-watermark>
<preemption-count>
  preemption-count
</preemption-count>
<soft-preemption-count>
  soft-preemption-count
</soft-preemption-count>
<soft-preemption-pending>
  soft-preemption-pending
</soft-preemption-pending>
<update-threshold>
  update-threshold
</update-threshold>
<reserved-bandwidth>....</reserved-bandwidth>
<reserved-ct-bandwidth>....</reserved-ct-bandwidth>
<detour-bandwidth>....</detour-bandwidth>
<overbooked-bandwidth>....</overbooked-bandwidth>
<overbooked-ct-bandwidth>....</overbooked-ct-bandwidth>
</rsvp-telink>

```

## Description

<rsvp-telink>

## Usage

```

<rsvp-session-data>
  <rsvp-session>
    <rsvp-telink>
      <telink-name>
        telink-name
      </telink-name>
      <telink-local-id>
        telink-local-id
      </telink-local-id>
      <telink-state>
        telink-state
      </telink-state>
      <active-reservation>
        active-reservation
      </active-reservation>
      <subscription>
        subscription
      </subscription>
      <ct-subscription>
        ct-subscription
      </ct-subscription>
      <static-bandwidth>
        static-bandwidth
      </static-bandwidth>
      <available-bandwidth>
        available-bandwidth
      </available-bandwidth>
    </rsvp-telink>
  </rsvp-session>
</rsvp-session-data>

```

```
<max-available-bandwidth>
  max-available-bandwidth
</max-available-bandwidth>
<max-available-description>
  max-available-description
</max-available-description>
<static-bc-bandwidth>
  static-bc-bandwidth
</static-bc-bandwidth>
<total-reserved-bandwidth>
  total-reserved-bandwidth
</total-reserved-bandwidth>
<bc>
  bc
</bc>
<bc-description>
  bc-description
</bc-description>
<ct-class>
  ct-class
</ct-class>
<ct-bw0>
  ct-bw0
</ct-bw0>
<ct-bw1>
  ct-bw1
</ct-bw1>
<ct-bw2>
  ct-bw2
</ct-bw2>
<ct-bw3>
  ct-bw3
</ct-bw3>
<ct-bw4>
  ct-bw4
</ct-bw4>
<ct-bw5>
  ct-bw5
</ct-bw5>
<ct-bw6>
  ct-bw6
</ct-bw6>
<ct-bw7>
  ct-bw7
</ct-bw7>
<high-watermark>
  high-watermark
</high-watermark>
<preemption-count>
  preemption-count
</preemption-count>
<soft-preemption-count>
  soft-preemption-count
</soft-preemption-count>
<soft-preemption-pending>
  soft-preemption-pending
```



```

</soft-preemption-pending>
<update-threshold>
  update-threshold
</update-threshold>
<reserved-bandwidth>....</reserved-bandwidth>
<reserved-ct-bandwidth>....</reserved-ct-bandwidth>
<detour-bandwidth>....</detour-bandwidth>
<overbooked-bandwidth>....</overbooked-bandwidth>
<overbooked-ct-bandwidth>....</overbooked-ct-bandwidth>
</rsvp-telink>
</rsvp-session>
</rsvp-session-data>

```

## Description

### <rsvp-telink>

#### Usage

```

<rsvp-session>
<rsvp-telink>
  <telink-name>
    telink-name
  </telink-name>
  <telink-local-id>
    telink-local-id
  </telink-local-id>
  <telink-state>
    telink-state
  </telink-state>
  <active-reservation>
    active-reservation
  </active-reservation>
  <subscription>
    subscription
  </subscription>
  <ct-subscription>
    ct-subscription
  </ct-subscription>
  <static-bandwidth>
    static-bandwidth
  </static-bandwidth>
  <available-bandwidth>
    available-bandwidth
  </available-bandwidth>
  <max-available-bandwidth>
    max-available-bandwidth
  </max-available-bandwidth>
  <max-available-description>
    max-available-description
  </max-available-description>
  <static-bc-bandwidth>
    static-bc-bandwidth
  </static-bc-bandwidth>
  <total-reserved-bandwidth>
    total-reserved-bandwidth

```

```
</total-reserved-bandwidth>
<bc>
  bc
</bc>
<bc-description>
  bc-description
</bc-description>
<ct-class>
  ct-class
</ct-class>
<ct-bw0>
  ct-bw0
</ct-bw0>
<ct-bw1>
  ct-bw1
</ct-bw1>
<ct-bw2>
  ct-bw2
</ct-bw2>
<ct-bw3>
  ct-bw3
</ct-bw3>
<ct-bw4>
  ct-bw4
</ct-bw4>
<ct-bw5>
  ct-bw5
</ct-bw5>
<ct-bw6>
  ct-bw6
</ct-bw6>
<ct-bw7>
  ct-bw7
</ct-bw7>
<high-watermark>
  high-watermark
</high-watermark>
<preemption-count>
  preemption-count
</preemption-count>
<soft-preemption-count>
  soft-preemption-count
</soft-preemption-count>
<soft-preemption-pending>
  soft-preemption-pending
</soft-preemption-pending>
<update-threshold>
  update-threshold
</update-threshold>
<reserved-bandwidth>....</reserved-bandwidth>
<reserved-ct-bandwidth>....</reserved-ct-bandwidth>
<detour-bandwidth>....</detour-bandwidth>
<overbooked-bandwidth>....</overbooked-bandwidth>
<overbooked-ct-bandwidth>....</overbooked-ct-bandwidth>
</rsvp-telink>
```

```
</rsvp-session>
```

## Description

### <rsvp-telink>

## Usage

```
<rsvp-session-information>
  <rsvp-session-data>
    <rsvp-session>
      <rsvp-telink>
        <telink-name>
          telink-name
        </telink-name>
        <telink-local-id>
          telink-local-id
        </telink-local-id>
        <telink-state>
          telink-state
        </telink-state>
        <active-reservation>
          active-reservation
        </active-reservation>
        <subscription>
          subscription
        </subscription>
        <ct-subscription>
          ct-subscription
        </ct-subscription>
        <static-bandwidth>
          static-bandwidth
        </static-bandwidth>
        <available-bandwidth>
          available-bandwidth
        </available-bandwidth>
        <max-available-bandwidth>
          max-available-bandwidth
        </max-available-bandwidth>
        <max-available-description>
          max-available-description
        </max-available-description>
        <static-bc-bandwidth>
          static-bc-bandwidth
        </static-bc-bandwidth>
        <total-reserved-bandwidth>
          total-reserved-bandwidth
        </total-reserved-bandwidth>
        <bc>
          bc
        </bc>
        <bc-description>
          bc-description
        </bc-description>
        <ct-class>
          ct-class
```

```
</ct-class>
<ct-bw0>
  ct-bw0
</ct-bw0>
<ct-bw1>
  ct-bw1
</ct-bw1>
<ct-bw2>
  ct-bw2
</ct-bw2>
<ct-bw3>
  ct-bw3
</ct-bw3>
<ct-bw4>
  ct-bw4
</ct-bw4>
<ct-bw5>
  ct-bw5
</ct-bw5>
<ct-bw6>
  ct-bw6
</ct-bw6>
<ct-bw7>
  ct-bw7
</ct-bw7>
<high-watermark>
  high-watermark
</high-watermark>
<preemption-count>
  preemption-count
</preemption-count>
<soft-preemption-count>
  soft-preemption-count
</soft-preemption-count>
<soft-preemption-pending>
  soft-preemption-pending
</soft-preemption-pending>
<update-threshold>
  update-threshold
</update-threshold>
<reserved-bandwidth>....</reserved-bandwidth>
<reserved-ct-bandwidth>....</reserved-ct-bandwidth>
<detour-bandwidth>....</detour-bandwidth>
<overbooked-bandwidth>....</overbooked-bandwidth>
<overbooked-ct-bandwidth>....</overbooked-ct-bandwidth>
</rsvp-telink>
</rsvp-session>
</rsvp-session-data>
</rsvp-session-information>
```

## Description

## <rsvp-telink>

### Usage

```

<rsvp-interface>
  <rsvp-telink>
    <telink-name>
      telink-name
    </telink-name>
    <telink-local-id>
      telink-local-id
    </telink-local-id>
    <telink-state>
      telink-state
    </telink-state>
    <active-reservation>
      active-reservation
    </active-reservation>
    <subscription>
      subscription
    </subscription>
    <ct-subscription>
      ct-subscription
    </ct-subscription>
    <static-bandwidth>
      static-bandwidth
    </static-bandwidth>
    <available-bandwidth>
      available-bandwidth
    </available-bandwidth>
    <max-available-bandwidth>
      max-available-bandwidth
    </max-available-bandwidth>
    <max-available-description>
      max-available-description
    </max-available-description>
    <static-bc-bandwidth>
      static-bc-bandwidth
    </static-bc-bandwidth>
    <total-reserved-bandwidth>
      total-reserved-bandwidth
    </total-reserved-bandwidth>
    <bc>
      bc
    </bc>
    <bc-description>
      bc-description
    </bc-description>
    <ct-class>
      ct-class
    </ct-class>
    <ct-bw0>
      ct-bw0
    </ct-bw0>
    <ct-bw1>
      ct-bw1

```

```
</ct-bw1>
<ct-bw2>
  ct-bw2
</ct-bw2>
<ct-bw3>
  ct-bw3
</ct-bw3>
<ct-bw4>
  ct-bw4
</ct-bw4>
<ct-bw5>
  ct-bw5
</ct-bw5>
<ct-bw6>
  ct-bw6
</ct-bw6>
<ct-bw7>
  ct-bw7
</ct-bw7>
<high-watermark>
  high-watermark
</high-watermark>
<preemption-count>
  preemption-count
</preemption-count>
<soft-preemption-count>
  soft-preemption-count
</soft-preemption-count>
<soft-preemption-pending>
  soft-preemption-pending
</soft-preemption-pending>
<update-threshold>
  update-threshold
</update-threshold>
<reserved-bandwidth>....</reserved-bandwidth>
<reserved-ct-bandwidth>....</reserved-ct-bandwidth>
<detour-bandwidth>....</detour-bandwidth>
<overbooked-bandwidth>....</overbooked-bandwidth>
<overbooked-ct-bandwidth>....</overbooked-ct-bandwidth>
</rsvp-telink>
</rsvp-interface>
```

## Description

### <rsvp-telink>

#### Usage

```
<rsvp-interface-information>
<rsvp-interface>
  <rsvp-telink>
    <telink-name>
      telink-name
    </telink-name>
    <telink-local-id>
      telink-local-id
```

```
</telink-local-id>
<telink-state>
  telink-state
</telink-state>
<active-reservation>
  active-reservation
</active-reservation>
<subscription>
  subscription
</subscription>
<ct-subscription>
  ct-subscription
</ct-subscription>
<static-bandwidth>
  static-bandwidth
</static-bandwidth>
<available-bandwidth>
  available-bandwidth
</available-bandwidth>
<max-available-bandwidth>
  max-available-bandwidth
</max-available-bandwidth>
<max-available-description>
  max-available-description
</max-available-description>
<static-bc-bandwidth>
  static-bc-bandwidth
</static-bc-bandwidth>
<total-reserved-bandwidth>
  total-reserved-bandwidth
</total-reserved-bandwidth>
<bc>
  bc
</bc>
<bc-description>
  bc-description
</bc-description>
<ct-class>
  ct-class
</ct-class>
<ct-bw0>
  ct-bw0
</ct-bw0>
<ct-bw1>
  ct-bw1
</ct-bw1>
<ct-bw2>
  ct-bw2
</ct-bw2>
<ct-bw3>
  ct-bw3
</ct-bw3>
<ct-bw4>
  ct-bw4
</ct-bw4>
<ct-bw5>
```

```

    ct-bw5
  </ct-bw5>
  <ct-bw6>
    ct-bw6
  </ct-bw6>
  <ct-bw7>
    ct-bw7
  </ct-bw7>
  <high-watermark>
    high-watermark
  </high-watermark>
  <preemption-count>
    preemption-count
  </preemption-count>
  <soft-preemption-count>
    soft-preemption-count
  </soft-preemption-count>
  <soft-preemption-pending>
    soft-preemption-pending
  </soft-preemption-pending>
  <update-threshold>
    update-threshold
  </update-threshold>
  <reserved-bandwidth>....</reserved-bandwidth>
  <reserved-ct-bandwidth>....</reserved-ct-bandwidth>
  <detour-bandwidth>....</detour-bandwidth>
  <overbooked-bandwidth>....</overbooked-bandwidth>
  <overbooked-ct-bandwidth>....</overbooked-ct-bandwidth>
</rsvp-telink>
</rsvp-interface>
</rsvp-interface-information>

```

## Description

<rsvp-telink>

## Usage

```

<mpls-lsp-information>
  <rsvp-session-data>
    <rsvp-session>
      <rsvp-telink>
        <telink-name>
          telink-name
        </telink-name>
        <telink-local-id>
          telink-local-id
        </telink-local-id>
        <telink-state>
          telink-state
        </telink-state>
        <active-reservation>
          active-reservation
        </active-reservation>
        <subscription>
          subscription
      </rsvp-telink>
    </rsvp-session>
  </rsvp-session-data>
</mpls-lsp-information>

```



```
</subscription>
<ct-subscription>
  ct-subscription
</ct-subscription>
<static-bandwidth>
  static-bandwidth
</static-bandwidth>
<available-bandwidth>
  available-bandwidth
</available-bandwidth>
<max-available-bandwidth>
  max-available-bandwidth
</max-available-bandwidth>
<max-available-description>
  max-available-description
</max-available-description>
<static-bc-bandwidth>
  static-bc-bandwidth
</static-bc-bandwidth>
<total-reserved-bandwidth>
  total-reserved-bandwidth
</total-reserved-bandwidth>
<bc>
  bc
</bc>
<bc-description>
  bc-description
</bc-description>
<ct-class>
  ct-class
</ct-class>
<ct-bw0>
  ct-bw0
</ct-bw0>
<ct-bw1>
  ct-bw1
</ct-bw1>
<ct-bw2>
  ct-bw2
</ct-bw2>
<ct-bw3>
  ct-bw3
</ct-bw3>
<ct-bw4>
  ct-bw4
</ct-bw4>
<ct-bw5>
  ct-bw5
</ct-bw5>
<ct-bw6>
  ct-bw6
</ct-bw6>
<ct-bw7>
  ct-bw7
</ct-bw7>
<high-watermark>
```

```
    high-watermark
  </high-watermark>
  <preemption-count>
    preemption-count
  </preemption-count>
  <soft-preemption-count>
    soft-preemption-count
  </soft-preemption-count>
  <soft-preemption-pending>
    soft-preemption-pending
  </soft-preemption-pending>
  <update-threshold>
    update-threshold
  </update-threshold>
  <reserved-bandwidth>....</reserved-bandwidth>
  <reserved-ct-bandwidth>....</reserved-ct-bandwidth>
  <detour-bandwidth>....</detour-bandwidth>
  <overbooked-bandwidth>....</overbooked-bandwidth>
  <overbooked-ct-bandwidth>....</overbooked-ct-bandwidth>
</rsvp-telink>
</rsvp-session>
</rsvp-session-data>
</mpls-lsp-information>
```

## Description

<rsvp-version>

## Usage

```
<rsvp-version>
  <rsvp-status>
    rsvp-status
  </rsvp-status>
  <rsvp-restart-flag>
    rsvp-restart-flag
  </rsvp-restart-flag>
  <refresh-timer>
    refresh-timer
  </refresh-timer>
  <keep-multiplier>
    keep-multiplier
  </keep-multiplier>
  <preemption-type>
    preemption-type
  </preemption-type>
  <soft-preemption-cleanup-timer>
    soft-preemption-cleanup-timer
  </soft-preemption-cleanup-timer>
  <graceful-deletion-timeout>
    graceful-deletion-timeout
  </graceful-deletion-timeout>
  <rsvp-nsr-mode>
    rsvp-nsr-mode
  </rsvp-nsr-mode>
  <rsvp-nsr-state>
```

```

    rsvp-nsr-state
  </rsvp-nsr-state>
  <rsvp-graceful-restart>....</rsvp-graceful-restart>
</rsvp-version>

```

#### Description

#### <rsvp-version>

#### Usage

```

<rsvp-version-information>
  <rsvp-version>
    <rsvp-status>
      rsvp-status
    </rsvp-status>
    <rsvp-restart-flag>
      rsvp-restart-flag
    </rsvp-restart-flag>
    <refresh-timer>
      refresh-timer
    </refresh-timer>
    <keep-multiplier>
      keep-multiplier
    </keep-multiplier>
    <preemption-type>
      preemption-type
    </preemption-type>
    <soft-preemption-cleanup-timer>
      soft-preemption-cleanup-timer
    </soft-preemption-cleanup-timer>
    <graceful-deletion-timeout>
      graceful-deletion-timeout
    </graceful-deletion-timeout>
    <rsvp-nsr-mode>
      rsvp-nsr-mode
    </rsvp-nsr-mode>
    <rsvp-nsr-state>
      rsvp-nsr-state
    </rsvp-nsr-state>
    <rsvp-graceful-restart>....</rsvp-graceful-restart>
  </rsvp-version>
</rsvp-version-information>

```

#### Description

#### <rsvp-version-information>

#### Usage

```

<rsvp-version-information>
  <rsvp-version>....</rsvp-version>
</rsvp-version-information>

```

#### Description

&lt;rt&gt;

**Usage**

```
<route-information>
<route-table>
  <rt>
    <rt-destination>
      rt-destination
    </rt-destination>
    <rt-prefix-length>
      rt-prefix-length
    </rt-prefix-length>
    <rt-entry-count>
      rt-entry-count
    </rt-entry-count>
    <rt-announced-count>
      rt-announced-count
    </rt-announced-count>
    <rt-state>
      rt-state
    </rt-state>
    <rt-entry>....</rt-entry>
    <tsi>
      tsi
    </tsi>
    <communities>....</communities>
  </rt>
</route-table>
</route-information>
```

**Description**

&lt;rt&gt;

**Usage**

```
<route-summary-information>
<route-table>
  <rt>
    <rt-destination>
      rt-destination
    </rt-destination>
    <rt-prefix-length>
      rt-prefix-length
    </rt-prefix-length>
    <rt-entry-count>
      rt-entry-count
    </rt-entry-count>
    <rt-announced-count>
      rt-announced-count
    </rt-announced-count>
    <rt-state>
      rt-state
    </rt-state>
    <rt-entry>....</rt-entry>
```

```

    <tsi>
      tsi
    </tsi>
    <communities>....</communities>
  </rt>
</route-table>
</route-summary-information>

```

## Description

### <rt-entry>

## Usage

```

<route-information>
  <route-table>
    <rt>
      <rt-entry>
        <active-tag>
          active-tag
        </active-tag>
        <last-active>
          last-active
        </last-active>
        <current-active>
          current-active
        </current-active>
        <protocol-name>
          protocol-name
        </protocol-name>
        <preference>
          preference
        </preference>
        <preference2>
          preference2
        </preference2>
        <route-distinguisher>
          route-distinguisher
        </route-distinguisher>
        <pmsi>
          pmsi
        </pmsi>
        <color>
          color
        </color>
        <rt-isis-level>
          rt-isis-level
        </rt-isis-level>
        <color2>
          color2
        </color2>
        <rt-isis-downbit>
          rt-isis-downbit
        </rt-isis-downbit>
        <age>
          age
      </rt-entry>
    </rt>
  </route-table>
</route-information>

```

```
</age>
<metric>
  metric
</metric>
<metric2>
  metric2
</metric2>
<med-plus-igp>
  med-plus-igp
</med-plus-igp>
<rt-tag>
  rt-tag
</rt-tag>
<rt-tag2>
  rt-tag2
</rt-tag2>
<rt-ospf-area>
  rt-ospf-area
</rt-ospf-area>
<learned-from>
  learned-from
</learned-from>
<peer-as>
  peer-as
</peer-as>
<local-as>
  local-as
</local-as>
<rt-entry-state>
  rt-entry-state
</rt-entry-state>
<inactive-reason>
  inactive-reason
</inactive-reason>
<task-name>
  task-name
</task-name>
<announce-bits>
  announce-bits
</announce-bits>
<announce-tasks>
  announce-tasks
</announce-tasks>
<bgp-rt-flag>
  bgp-rt-flag
</bgp-rt-flag>
<label-base>
  label-base
</label-base>
<label-range>
  label-range
</label-range>
<l2vpn-status-vector>
  l2vpn-status-vector
</l2vpn-status-vector>
<l2vpn-mesh-group>
```

```
l2vpn-mesh-group
</l2vpn-mesh-group>
<vc-label>
  vc-label
</vc-label>
<mtu>
  mtu
</mtu>
<cell-bundle-size>
  cell-bundle-size
</cell-bundle-size>
<vlan-id>
  vlan-id
</vlan-id>
<tdm-payload-size>
  tdm-payload-size
</tdm-payload-size>
<tdm-bitrate>
  tdm-bitrate
</tdm-bitrate>
<pw-status-code>
  pw-status-code
</pw-status-code>
<connection-bandwidth>....</connection-bandwidth>
<cac-bandwidth-failure>
  cac-bandwidth-failure
</cac-bandwidth-failure>
<context-id>
  context-id
</context-id>
<route-control-word>
  route-control-word
</route-control-word>
<vpn-label>
  vpn-label
</vpn-label>
<route-label>
  route-label
</route-label>
<bgp-no-label-reason>
  bgp-no-label-reason
</bgp-no-label-reason>
<rtd-flow-dep>....</rtd-flow-dep>
<as-path>
  as-path
</as-path>
<communities>....</communities>
<helper-nhid>
  helper-nhid
</helper-nhid>
<helper-refcount>
  helper-refcount
</helper-refcount>
<bgp-metric-flags>
  bgp-metric-flags
</bgp-metric-flags>
```

```
<local-preference>
  local-preference
</local-preference>
<med>
  med
</med>
<peer-id>
  peer-id
</peer-id>
<cluster-id>
  cluster-id
</cluster-id>
<path-id>
  path-id
</path-id>
<originator>
  originator
</originator>
<attrset>....</attrset>
<bgp-group-name>
  bgp-group-name
</bgp-group-name>
<deleted>
  deleted
</deleted>
<route-flap-damping>....</route-flap-damping>
<aggregate>....</aggregate>
<gateway>
  gateway
</gateway>
<indirect-nh-count>
  indirect-nh-count
</indirect-nh-count>
<composite-nh-count>
  composite-nh-count
</composite-nh-count>
<nh-type>
  nh-type
</nh-type>
<nh-index>
  nh-index
</nh-index>
<nh-address>
  nh-address
</nh-address>
<nh-reference-count>
  nh-reference-count
</nh-reference-count>
<nh-kernel-id>
  nh-kernel-id
</nh-kernel-id>
<ext-int-intf-index>
  ext-int-intf-index
</ext-int-intf-index>
<nh-flood-overflow>
  nh-flood-overflow
```



```

</nh-flood-overflow>
<n timer>.....</n timer>
<n timer>.....</n timer>
<protocol-nh>.....</protocol-nh>
<rtrib-primary>
  rtrib-primary
</rtrib-primary>
<rtrib-secondary>
  rtrib-secondary
</rtrib-secondary>
<backup-pe-group-name>
  backup-pe-group-name
</backup-pe-group-name>
<designated-forwarder>
  designated-forwarder
</designated-forwarder>
</rt-entry>
</rt>
</route-table>
</route-information>

```

## Description

### <rt-entry>

## Usage

```

<route-summary-information>
<route-table>
<rt>
  <rt-entry>
    <active-tag>
      active-tag
    </active-tag>
    <last-active>
      last-active
    </last-active>
    <current-active>
      current-active
    </current-active>
    <protocol-name>
      protocol-name
    </protocol-name>
    <preference>
      preference
    </preference>
    <preference2>
      preference2
    </preference2>
    <route-distinguisher>
      route-distinguisher
    </route-distinguisher>
    <pmsi>
      pmsi
    </pmsi>
    <color>

```

```
    color
  </color>
  <rt-isis-level>
    rt-isis-level
  </rt-isis-level>
  <color2>
    color2
  </color2>
  <rt-isis-downbit>
    rt-isis-downbit
  </rt-isis-downbit>
  <age>
    age
  </age>
  <metric>
    metric
  </metric>
  <metric2>
    metric2
  </metric2>
  <med-plus-igp>
    med-plus-igp
  </med-plus-igp>
  <rt-tag>
    rt-tag
  </rt-tag>
  <rt-tag2>
    rt-tag2
  </rt-tag2>
  <rt-ospf-area>
    rt-ospf-area
  </rt-ospf-area>
  <learned-from>
    learned-from
  </learned-from>
  <peer-as>
    peer-as
  </peer-as>
  <local-as>
    local-as
  </local-as>
  <rt-entry-state>
    rt-entry-state
  </rt-entry-state>
  <inactive-reason>
    inactive-reason
  </inactive-reason>
  <task-name>
    task-name
  </task-name>
  <announce-bits>
    announce-bits
  </announce-bits>
  <announce-tasks>
    announce-tasks
  </announce-tasks>
```

```
<bgp-rt-flag>
  bgp-rt-flag
</bgp-rt-flag>
<label-base>
  label-base
</label-base>
<label-range>
  label-range
</label-range>
<l2vpn-status-vector>
  l2vpn-status-vector
</l2vpn-status-vector>
<l2vpn-mesh-group>
  l2vpn-mesh-group
</l2vpn-mesh-group>
<vc-label>
  vc-label
</vc-label>
<mtu>
  mtu
</mtu>
<cell-bundle-size>
  cell-bundle-size
</cell-bundle-size>
<vlan-id>
  vlan-id
</vlan-id>
<tdm-payload-size>
  tdm-payload-size
</tdm-payload-size>
<tdm-bitrate>
  tdm-bitrate
</tdm-bitrate>
<pw-status-code>
  pw-status-code
</pw-status-code>
<connection-bandwidth>....</connection-bandwidth>
<cac-bandwidth-failure>
  cac-bandwidth-failure
</cac-bandwidth-failure>
<context-id>
  context-id
</context-id>
<route-control-word>
  route-control-word
</route-control-word>
<vpn-label>
  vpn-label
</vpn-label>
<route-label>
  route-label
</route-label>
<bgp-no-label-reason>
  bgp-no-label-reason
</bgp-no-label-reason>
<rtd-flow-dep>....</rtd-flow-dep>
```

```
<as-path>
  as-path
</as-path>
<communities>....</communities>
<helper-nhid>
  helper-nhid
</helper-nhid>
<helper-refcount>
  helper-refcount
</helper-refcount>
<bgp-metric-flags>
  bgp-metric-flags
</bgp-metric-flags>
<local-preference>
  local-preference
</local-preference>
<med>
  med
</med>
<peer-id>
  peer-id
</peer-id>
<cluster-id>
  cluster-id
</cluster-id>
<path-id>
  path-id
</path-id>
<originator>
  originator
</originator>
<attrset>....</attrset>
<bgp-group-name>
  bgp-group-name
</bgp-group-name>
<deleted>
  deleted
</deleted>
<route-flap-damping>....</route-flap-damping>
<aggregate>....</aggregate>
<gateway>
  gateway
</gateway>
<indirect-nh-count>
  indirect-nh-count
</indirect-nh-count>
<composite-nh-count>
  composite-nh-count
</composite-nh-count>
<nh-type>
  nh-type
</nh-type>
<nh-index>
  nh-index
</nh-index>
<nh-address>
```

```

    nh-address
  </nh-address>
  <nh-reference-count>
    nh-reference-count
  </nh-reference-count>
  <nh-kernel-id>
    nh-kernel-id
  </nh-kernel-id>
  <ext-int-intf-index>
    ext-int-intf-index
  </ext-int-intf-index>
  <nh-flood-overflow>
    nh-flood-overflow
  </nh-flood-overflow>
  <nhh>....</nhh>
  <nh>....</nh>
  <protocol-nh>....</protocol-nh>
  <rtrib-primary>
    rtrib-primary
  </rtrib-primary>
  <rtrib-secondary>
    rtrib-secondary
  </rtrib-secondary>
  <backup-pe-group-name>
    backup-pe-group-name
  </backup-pe-group-name>
  <designated-forwarder>
    designated-forwarder
  </designated-forwarder>
</rt-entry>
</rt>
</route-table>
</route-summary-information>

```

#### Description

#### <rt-martians>

#### Usage

```

<route-information>
  <rt-martians>
    <rt-martian-table-name>
      rt-martian-table-name
    </rt-martian-table-name>
    <route-filter>....</route-filter>
  </rt-martians>
</route-information>

```

#### Description

#### <rt-ribgroup>

#### Usage

```

<route-information>

```

```
<rt-ribgroup>
  <rt-ribgroup-name>
    rt-ribgroup-name
  </rt-ribgroup-name>
  <rt-ribgroup-address>
    rt-ribgroup-address
  </rt-ribgroup-address>
  <rt-ribgroup-flags>
    rt-ribgroup-flags
  </rt-ribgroup-flags>
  <rt-ribgroup-address-family>
    rt-ribgroup-address-family
  </rt-ribgroup-address-family>
  <rt-ribgroup-refcount>
    rt-ribgroup-refcount
  </rt-ribgroup-refcount>
  <rt-ribgroup-export-name>
    rt-ribgroup-export-name
  </rt-ribgroup-export-name>
  <rt-ribgroup-import-name>
    rt-ribgroup-import-name
  </rt-ribgroup-import-name>
  <rt-ribgroup-import-policy-name>
    rt-ribgroup-import-policy-name
  </rt-ribgroup-import-policy-name>
  <rt-ribgroup-import-secondary-name>
    rt-ribgroup-import-secondary-name
  </rt-ribgroup-import-secondary-name>
  <rt-ribgroup-union-head-name>
    rt-ribgroup-union-head-name
  </rt-ribgroup-union-head-name>
  <rt-ribgroup-union-child-name>
    rt-ribgroup-union-child-name
  </rt-ribgroup-union-child-name>
</rt-ribgroup>
</route-information>
```

## Description

### <rt-test-policy>

#### Usage

```
<route-information>
  <rt-test-policy>
    <rt-policy-name>
      rt-policy-name
    </rt-policy-name>
    <rt-route-accepted>
      rt-route-accepted
    </rt-route-accepted>
    <rt-route-rejected>
      rt-route-rejected
    </rt-route-rejected>
  </rt-test-policy>
```

</route-information>

#### Description

### <rt-test-policy-prefix>

#### Usage

```
<route-information>
  <rt-test-policy-prefix>
    <rt-policy-name>
      rt-policy-name
    </rt-policy-name>
    <rt-destination>
      rt-destination
    </rt-destination>
    <rt-prefix-length>
      rt-prefix-length
    </rt-prefix-length>
    <rt-test-policy-term>....</rt-test-policy-term>
  </rt-test-policy-prefix>
</route-information>
```

#### Description

### <rt-test-policy-term>

#### Usage

```
<route-information>
  <rt-test-policy-prefix>
    <rt-test-policy-term>
      <rt-policy-term-name>
        rt-policy-term-name
      </rt-policy-term-name>
      <rt-policy-term-result>
        rt-policy-term-result
      </rt-policy-term-result>
      <rt-policy-term-action>
        rt-policy-term-action
      </rt-policy-term-action>
    </rt-test-policy-term>
  </rt-test-policy-prefix>
</route-information>
```

#### Description

### <rtd-flow-dep>

#### Usage

```
<route-information>
  <route-table>
    <rt>
      <rt-entry>
        <rtd-flow-dep>
```

```
<flow-origin>
  flow-origin
</flow-origin>
<flow-dep-state>
  flow-dep-state
</flow-dep-state>
<flow-ucast-rt>....</flow-ucast-rt>
</rtd-flow-dep>
</rt-entry>
</rt>
</route-table>
</route-information>
```

#### Description

### <rtd-flow-dep>

#### Usage

```
<route-summary-information>
<route-table>
<rt>
  <rt-entry>
    <rtd-flow-dep>
      <flow-origin>
        flow-origin
      </flow-origin>
      <flow-dep-state>
        flow-dep-state
      </flow-dep-state>
      <flow-ucast-rt>....</flow-ucast-rt>
    </rtd-flow-dep>
  </rt-entry>
</rt>
</route-table>
</route-summary-information>
```

#### Description

### <rte-instance>

#### Usage

```
<rte-instance>
<instance-name>
  instance-name
</instance-name>
<rte-instance-type>
  rte-instance-type
</rte-instance-type>
<instance-flags>
  instance-flags
</instance-flags>
<instance-options>
  instance-options
</instance-options>
```



```

<import-policy>
  import-policy
</import-policy>
<export-policy>
  export-policy
</export-policy>
</rte-instance>

```

#### Description

#### <rte-instance>

#### Usage

```

<rteexport-table-information>
  <rte-instance>
    <instance-name>
      instance-name
    </instance-name>
    <rte-instance-type>
      rte-instance-type
    </rte-instance-type>
    <instance-flags>
      instance-flags
    </instance-flags>
    <instance-options>
      instance-options
    </instance-options>
    <import-policy>
      import-policy
    </import-policy>
    <export-policy>
      export-policy
    </export-policy>
  </rte-instance>
</rteexport-table-information>

```

#### Description

#### <rte-table>

#### Usage

```

<rte-table>
  <table-name>
    table-name
  </table-name>
  <table-export-on>
    table-export-on
  </table-export-on>
  <import-list>
    import-list
  </import-list>
  <table-flags>
    table-flags
  </table-flags>

```

```
<table-usage>
  table-usage
</table-usage>
</rte-table>
```

#### Description

### <rte-table>

#### Usage

```
<rteexport-table-information>
  <rte-table>
    <table-name>
      table-name
    </table-name>
    <table-export-on>
      table-export-on
    </table-export-on>
    <import-list>
      import-list
    </import-list>
    <table-flags>
      table-flags
    </table-flags>
    <table-usage>
      table-usage
    </table-usage>
  </rte-table>
</rteexport-table-information>
```

#### Description

### <rte-target>

#### Usage

```
<rte-target>
  <target-string>
    target-string
  </target-string>
  <family>
    family
  </family>
  <subaf>
    subaf
  </subaf>
  <import-count>
    import-count
  </import-count>
  <export-count>
    export-count
  </export-count>
  <import-list>
    import-list
  </import-list>
```

```

    <export-list>
      export-list
    </export-list>
  </rte-target>

```

#### Description

### <rte-target>

#### Usage

```

<rteexport-table-information>
  <rte-target>
    <target-string>
      target-string
    </target-string>
    <family>
      family
    </family>
    <subaf>
      subaf
    </subaf>
    <import-count>
      import-count
    </import-count>
    <export-count>
      export-count
    </export-count>
    <import-list>
      import-list
    </import-list>
    <export-list>
      export-list
    </export-list>
  </rte-target>
</rteexport-table-information>

```

#### Description

### <rteexport-table-information>

#### Usage

```

<rteexport-table-information>
  <rte-table>....</rte-table>
  <rte-target>....</rte-target>
  <rte-instance>....</rte-instance>
</rteexport-table-information>

```

**Description** Operational information policy-based instance export

### <rtflow-dep-information>

#### Usage

```
<rtflow-dep-information>
  <rtflow-dep-table>....</rtflow-dep-table>
</rtflow-dep-information>
```

**Description** Operational information on flow route validation

### <rtflow-dep-table>

#### Usage

```
<rtflow-dep-information>
  <rtflow-dep-table>
    <table-name>
      table-name
    </table-name>
    <fdep-node>....</fdep-node>
  </rtflow-dep-table>
</rtflow-dep-information>
```

#### Description

### <sap-listen>

#### Usage

```
<sap-listen-information>
  <sap-listen>
    <sap-listen-group>
      sap-listen-group
    </sap-listen-group>
    <sap-listen-port>
      sap-listen-port
    </sap-listen-port>
  </sap-listen>
</sap-listen-information>
```

#### Description

### <sap-listen-information>

#### Usage

```
<sap-listen-information>
  <sap-listen>....</sap-listen>
</sap-listen-information>
```

#### Description

**<session-connection-data>****Usage**

```

<multicast-sessions-information>
  <multicast-session>
    <session-connection-data>
      <session-address>
        session-address
      </session-address>
      <session-ttl>
        session-ttl
      </session-ttl>
      <session-layers>
        session-layers
      </session-layers>
    </session-connection-data>
  </multicast-session>
</multicast-sessions-information>

```

**Description****<session-origin>****Usage**

```

<multicast-sessions-information>
  <multicast-session>
    <session-origin>
      <session-originator-username>
        session-originator-username
      </session-originator-username>
      <session-originator-address>
        session-originator-address
      </session-originator-address>
    </session-origin>
  </multicast-session>
</multicast-sessions-information>

```

**Description****<source-family>****Usage**

```

<pim-source-information>
  <source-family>
    <pim-instance>
      pim-instance
    </pim-instance>
    <address-family>
      address-family
    </address-family>
    <pim-source>....</pim-source>
  </source-family>

```

</pim-source-information>

#### Description

### <sparse-downstream-interface>

#### Usage

```
<pim-join-information>
  <join-family>
    <join-group>
      <sparse-downstream-interface>
        <pim-interface-name>
          pim-interface-name
        </pim-interface-name>
        <register-rp>
          register-rp
        </register-rp>
        <register-interface-name>
          register-interface-name
        </register-interface-name>
        <pim-interface-state>
          pim-interface-state
        </pim-interface-state>
        <pim-pseudo-downstream-interface-name>
          pim-pseudo-downstream-interface-name
        </pim-pseudo-downstream-interface-name>
        <downstream-neighbor>....</downstream-neighbor>
        <downstream-assert-neighbor>....</downstream-assert-neighbor>
      </sparse-downstream-interface>
    </join-group>
  </join-family>
</pim-join-information>
```

#### Description

### <statistics-family>

#### Usage

```
<pim-statistics-information>
  <statistics-family>
    <pim-instance>
      pim-instance
    </pim-instance>
    <address-family>
      address-family
    </address-family>
    <pim-statistics-interface>....</pim-statistics-interface>
  </statistics-family>
</pim-statistics-information>
```

#### Description

## <switching-capability-descriptor>

### Usage

```

<switching-capability-descriptor>
  <encoding-type>
    encoding-type
  </encoding-type>
  <switching-type>
    switching-type
  </switching-type>
  <maximum-lsp-bw0>
    maximum-lsp-bw0
  </maximum-lsp-bw0>
  <maximum-lsp-bw1>
    maximum-lsp-bw1
  </maximum-lsp-bw1>
  <maximum-lsp-bw2>
    maximum-lsp-bw2
  </maximum-lsp-bw2>
  <maximum-lsp-bw3>
    maximum-lsp-bw3
  </maximum-lsp-bw3>
  <maximum-lsp-bw4>
    maximum-lsp-bw4
  </maximum-lsp-bw4>
  <maximum-lsp-bw5>
    maximum-lsp-bw5
  </maximum-lsp-bw5>
  <maximum-lsp-bw6>
    maximum-lsp-bw6
  </maximum-lsp-bw6>
  <maximum-lsp-bw7>
    maximum-lsp-bw7
  </maximum-lsp-bw7>
  <minimum-lsp-bw>
    minimum-lsp-bw
  </minimum-lsp-bw>
  <mtu>
    mtu
  </mtu>
  <tdm-indication>
    tdm-indication
  </tdm-indication>
</switching-capability-descriptor>

```

**Description** Switching capability of an interface

## <switching-capability-descriptor>

### Usage

```

<ted-link>
  <switching-capability-descriptor>
    <encoding-type>

```

```
    encoding-type
  </encoding-type>
  <switching-type>
    switching-type
  </switching-type>
  <maximum-lsp-bw0>
    maximum-lsp-bw0
  </maximum-lsp-bw0>
  <maximum-lsp-bw1>
    maximum-lsp-bw1
  </maximum-lsp-bw1>
  <maximum-lsp-bw2>
    maximum-lsp-bw2
  </maximum-lsp-bw2>
  <maximum-lsp-bw3>
    maximum-lsp-bw3
  </maximum-lsp-bw3>
  <maximum-lsp-bw4>
    maximum-lsp-bw4
  </maximum-lsp-bw4>
  <maximum-lsp-bw5>
    maximum-lsp-bw5
  </maximum-lsp-bw5>
  <maximum-lsp-bw6>
    maximum-lsp-bw6
  </maximum-lsp-bw6>
  <maximum-lsp-bw7>
    maximum-lsp-bw7
  </maximum-lsp-bw7>
  <minimum-lsp-bw>
    minimum-lsp-bw
  </minimum-lsp-bw>
  <mtu>
    mtu
  </mtu>
  <tdm-indication>
    tdm-indication
  </tdm-indication>
</switching-capability-descriptor>
</ted-link>
```

**Description** Switching capability of an interface

### <switching-capability-descriptor>

#### Usage

```
<ted-database>
  <ted-link>
    <switching-capability-descriptor>
      <encoding-type>
        encoding-type
      </encoding-type>
      <switching-type>
        switching-type
```



```

</switching-type>
<maximum-lsp-bw0>
  maximum-lsp-bw0
</maximum-lsp-bw0>
<maximum-lsp-bw1>
  maximum-lsp-bw1
</maximum-lsp-bw1>
<maximum-lsp-bw2>
  maximum-lsp-bw2
</maximum-lsp-bw2>
<maximum-lsp-bw3>
  maximum-lsp-bw3
</maximum-lsp-bw3>
<maximum-lsp-bw4>
  maximum-lsp-bw4
</maximum-lsp-bw4>
<maximum-lsp-bw5>
  maximum-lsp-bw5
</maximum-lsp-bw5>
<maximum-lsp-bw6>
  maximum-lsp-bw6
</maximum-lsp-bw6>
<maximum-lsp-bw7>
  maximum-lsp-bw7
</maximum-lsp-bw7>
<minimum-lsp-bw>
  minimum-lsp-bw
</minimum-lsp-bw>
<mtu>
  mtu
</mtu>
<tdm-indication>
  tdm-indication
</tdm-indication>
</switching-capability-descriptor>
</ted-link>
</ted-database>

```

**Description** Switching capability of an interface

### <switching-capability-descriptor>

#### Usage

```

<ted-database-information>
  <ted-database>
    <ted-link>
      <switching-capability-descriptor>
        <encoding-type>
          encoding-type
        </encoding-type>
        <switching-type>
          switching-type
        </switching-type>
        <maximum-lsp-bw0>

```

```
    maximum-lsp-bw0
  </maximum-lsp-bw0>
  <maximum-lsp-bw1>
    maximum-lsp-bw1
  </maximum-lsp-bw1>
  <maximum-lsp-bw2>
    maximum-lsp-bw2
  </maximum-lsp-bw2>
  <maximum-lsp-bw3>
    maximum-lsp-bw3
  </maximum-lsp-bw3>
  <maximum-lsp-bw4>
    maximum-lsp-bw4
  </maximum-lsp-bw4>
  <maximum-lsp-bw5>
    maximum-lsp-bw5
  </maximum-lsp-bw5>
  <maximum-lsp-bw6>
    maximum-lsp-bw6
  </maximum-lsp-bw6>
  <maximum-lsp-bw7>
    maximum-lsp-bw7
  </maximum-lsp-bw7>
  <minimum-lsp-bw>
    minimum-lsp-bw
  </minimum-lsp-bw>
  <mtu>
    mtu
  </mtu>
  <tdm-indication>
    tdm-indication
  </tdm-indication>
</switching-capability-descriptor>
</ted-link>
</ted-database>
</ted-database-information>
```

**Description** Switching capability of an interface

### <switching-capability-descriptor>

#### Usage

```
<ted-link-information>
  <ted-link>
    <switching-capability-descriptor>
      <encoding-type>
        encoding-type
      </encoding-type>
      <switching-type>
        switching-type
      </switching-type>
      <maximum-lsp-bw0>
        maximum-lsp-bw0
      </maximum-lsp-bw0>
```

```

<maximum-lsp-bw1>
  maximum-lsp-bw1
</maximum-lsp-bw1>
<maximum-lsp-bw2>
  maximum-lsp-bw2
</maximum-lsp-bw2>
<maximum-lsp-bw3>
  maximum-lsp-bw3
</maximum-lsp-bw3>
<maximum-lsp-bw4>
  maximum-lsp-bw4
</maximum-lsp-bw4>
<maximum-lsp-bw5>
  maximum-lsp-bw5
</maximum-lsp-bw5>
<maximum-lsp-bw6>
  maximum-lsp-bw6
</maximum-lsp-bw6>
<maximum-lsp-bw7>
  maximum-lsp-bw7
</maximum-lsp-bw7>
<minimum-lsp-bw>
  minimum-lsp-bw
</minimum-lsp-bw>
<mtu>
  mtu
</mtu>
<tdm-indication>
  tdm-indication
</tdm-indication>
</switching-capability-descriptor>
</ted-link>
</ted-link-information>

```

**Description** Switching capability of an interface

## <task>

### Usage

```

<task-information>
  <task>
    <task-name>
      task-name
    </task-name>
    <task-no-information>
      task-no-information
    </task-no-information>
    <task-timer>....</task-timer>
  </task>
</task-information>

```

### Description

## &lt;task&gt;

## Usage

```
<task-timer-information>
  <task>
    <task-name>
      task-name
    </task-name>
    <task-no-information>
      task-no-information
    </task-no-information>
    <task-timer>....</task-timer>
  </task>
</task-timer-information>
```

## Description

## &lt;task-block&gt;

## Usage

```
<task-block-list>
  <task-block>
    <tb-name>
      tb-name
    </tb-name>
    <tb-size>
      tb-size
    </tb-size>
    <tb-alloc-size>
      tb-alloc-size
    </tb-alloc-size>
    <tb-terse-transient>
      tb-terse-transient
    </tb-terse-transient>
    <tb-terse-fullpage>
      tb-terse-fullpage
    </tb-terse-fullpage>
    <tb-terse-debug>
      tb-terse-debug
    </tb-terse-debug>
    <tb-alloc-blocks>
      tb-alloc-blocks
    </tb-alloc-blocks>
    <tb-alloc-bytes>
      tb-alloc-bytes
    </tb-alloc-bytes>
    <tb-max-alloc-blocks>
      tb-max-alloc-blocks
    </tb-max-alloc-blocks>
    <tb-max-alloc-bytes>
      tb-max-alloc-bytes
    </tb-max-alloc-bytes>
  </task-block>
```

```
</task-block-list>
```

#### Description

**<task-block>**

#### Usage

```
<task-memory-information>
<task-memory-allocator-report>
<task-block-list>
  <task-block>
    <tb-name>
      tb-name
    </tb-name>
    <tb-size>
      tb-size
    </tb-size>
    <tb-alloc-size>
      tb-alloc-size
    </tb-alloc-size>
    <tb-terse-transient>
      tb-terse-transient
    </tb-terse-transient>
    <tb-terse-fullpage>
      tb-terse-fullpage
    </tb-terse-fullpage>
    <tb-terse-debug>
      tb-terse-debug
    </tb-terse-debug>
    <tb-alloc-blocks>
      tb-alloc-blocks
    </tb-alloc-blocks>
    <tb-alloc-bytes>
      tb-alloc-bytes
    </tb-alloc-bytes>
    <tb-max-alloc-blocks>
      tb-max-alloc-blocks
    </tb-max-alloc-blocks>
    <tb-max-alloc-bytes>
      tb-max-alloc-bytes
    </tb-max-alloc-bytes>
  </task-block>
</task-block-list>
</task-memory-allocator-report>
</task-memory-information>
```

#### Description

**<task-block-list>**

#### Usage

```
<task-block-list>
<task-block>....</task-block>
```

</task-block-list>

#### Description

<task-block-list>

#### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>
      <task-block>....</task-block>
    </task-block-list>
  </task-memory-allocator-report>
</task-memory-information>
```

#### Description

<task-information>

#### Usage

```
<task-information>
  <task>....</task>
</task-information>
```

#### Description

<task-lite-page>

#### Usage

```
<task-lite-page-list>
  <task-lite-page>
    <tlp-name>
      tlp-name
    </tlp-name>
    <tlp-alloc-pages>
      tlp-alloc-pages
    </tlp-alloc-pages>
    <tlp-alloc-bytes>
      tlp-alloc-bytes
    </tlp-alloc-bytes>
    <tlp-max-alloc-pages>
      tlp-max-alloc-pages
    </tlp-max-alloc-pages>
    <tlp-max-alloc-bytes>
      tlp-max-alloc-bytes
    </tlp-max-alloc-bytes>
  </task-lite-page>
</task-lite-page-list>
```

#### Description

**<task-lite-page>****Usage**

```

<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>
        <tlp-name>
          tlp-name
        </tlp-name>
        <tlp-alloc-pages>
          tlp-alloc-pages
        </tlp-alloc-pages>
        <tlp-alloc-bytes>
          tlp-alloc-bytes
        </tlp-alloc-bytes>
        <tlp-max-alloc-pages>
          tlp-max-alloc-pages
        </tlp-max-alloc-pages>
        <tlp-max-alloc-bytes>
          tlp-max-alloc-bytes
        </tlp-max-alloc-bytes>
      </task-lite-page>
    </task-lite-page-list>
  </task-memory-allocator-report>
</task-memory-information>

```

**Description****<task-lite-page-list>****Usage**

```

<task-lite-page-list>
  <task-lite-page>....</task-lite-page>
</task-lite-page-list>

```

**Description****<task-lite-page-list>****Usage**

```

<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>....</task-lite-page>
    </task-lite-page-list>
  </task-memory-allocator-report>
</task-memory-information>

```

**Description**

## <task-malloc>

### Usage

```
<task-malloc-list>
  <task-malloc>
    <tm-name>
      tm-name
    </tm-name>
    <tm-allocs>
      tm-allocs
    </tm-allocs>
    <tm-alloc-bytes>
      tm-alloc-bytes
    </tm-alloc-bytes>
    <tm-max-allocs>
      tm-max-allocs
    </tm-max-allocs>
    <tm-max-alloc-bytes>
      tm-max-alloc-bytes
    </tm-max-alloc-bytes>
    <tm-function-calls>
      tm-function-calls
    </tm-function-calls>
  </task-malloc>
</task-malloc-list>
```

### Description

## <task-malloc>

### Usage

```
<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>
        <tm-name>
          tm-name
        </tm-name>
        <tm-allocs>
          tm-allocs
        </tm-allocs>
        <tm-alloc-bytes>
          tm-alloc-bytes
        </tm-alloc-bytes>
        <tm-max-allocs>
          tm-max-allocs
        </tm-max-allocs>
        <tm-max-alloc-bytes>
          tm-max-alloc-bytes
        </tm-max-alloc-bytes>
        <tm-function-calls>
          tm-function-calls
        </tm-function-calls>
      </task-malloc>
```



```

    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

#### Description

### <task-malloc-list>

#### Usage

```

<task-malloc-list>
  <task-malloc>....</task-malloc>
</task-malloc-list>

```

#### Description

### <task-malloc-list>

#### Usage

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>....</task-malloc>
    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

#### Description

### <task-memory-allocator-report>

#### Usage

```

<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>....</task-block-list>
    <task-lite-page-list>....</task-lite-page-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-allocator-report>
</task-memory-information>

```

#### Description

### <task-memory-information>

#### Usage

```

<task-memory-information>
  <task-memory-in-use-size>
    task-memory-in-use-size

```

```
</task-memory-in-use-size>
<task-memory-in-use-avail>
  task-memory-in-use-avail
</task-memory-in-use-avail>
<task-memory-max-size>
  task-memory-max-size
</task-memory-max-size>
<task-memory-max-avail>
  task-memory-max-avail
</task-memory-max-avail>
<task-memory-max-when>
  task-memory-max-when
</task-memory-max-when>
<task-memory-free-size>
  task-memory-free-size
</task-memory-free-size>
<task-memory-overall-report>....</task-memory-overall-report>
<task-memory-allocator-report>....</task-memory-allocator-report>
<task-memory-malloc-usage-report>....</task-memory-malloc-usage-report>
<task-memory-dynamic-allocs>
  task-memory-dynamic-allocs
</task-memory-dynamic-allocs>
<task-memory-max-dynamic-allocs>
  task-memory-max-dynamic-allocs
</task-memory-max-dynamic-allocs>
<task-memory-bss-bytes>
  task-memory-bss-bytes
</task-memory-bss-bytes>
<task-memory-max-bss-bytes>
  task-memory-max-bss-bytes
</task-memory-max-bss-bytes>
<task-memory-page-data-bytes>
  task-memory-page-data-bytes
</task-memory-page-data-bytes>
<task-memory-max-page-data-bytes>
  task-memory-max-page-data-bytes
</task-memory-max-page-data-bytes>
<task-memory-dir-bytes>
  task-memory-dir-bytes
</task-memory-dir-bytes>
<task-memory-max-dir-bytes>
  task-memory-max-dir-bytes
</task-memory-max-dir-bytes>
<task-memory-total-bytes-in-use>
  task-memory-total-bytes-in-use
</task-memory-total-bytes-in-use>
<task-memory-total-bytes-percent>
  task-memory-total-bytes-percent
</task-memory-total-bytes-percent>
</task-memory-information>
```

## Description

## <task-memory-malloc-usage-report>

### Usage

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>....</task-malloc-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

### Description

## <task-memory-overall-report>

### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>....</task-size-block-list>
    <task-memory-stats-list>....</task-memory-stats-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
    <task-memory-total-free-bytes>
      task-memory-total-free-bytes
    </task-memory-total-free-bytes>
  </task-memory-overall-report>
</task-memory-information>

```

### Description

## <task-memory-stats>

### Usage

```

<task-memory-stats>
  <tms-name>
    tms-name
  </tms-name>
  <tms-allocs>
    tms-allocs
  </tms-allocs>
  <tms-mallocs>
    tms-mallocs
  </tms-mallocs>
  <tms-alloc-bytes>
    tms-alloc-bytes

```

```
</tms-alloc-bytes>
<tms-max-allocs>
  tms-max-allocs
</tms-max-allocs>
<tms-max-bytes>
  tms-max-bytes
</tms-max-bytes>
<tms-free-bytes>
  tms-free-bytes
</tms-free-bytes>
</task-memory-stats>
```

#### Description

### <task-memory-stats>

#### Usage

```
<task-memory-information>
  <task-memory-overall-report>
    <task-memory-stats-list>
      <task-memory-stats>
        <tms-name>
          tms-name
        </tms-name>
        <tms-allocs>
          tms-allocs
        </tms-allocs>
        <tms-mallocs>
          tms-mallocs
        </tms-mallocs>
        <tms-alloc-bytes>
          tms-alloc-bytes
        </tms-alloc-bytes>
        <tms-max-allocs>
          tms-max-allocs
        </tms-max-allocs>
        <tms-max-bytes>
          tms-max-bytes
        </tms-max-bytes>
        <tms-free-bytes>
          tms-free-bytes
        </tms-free-bytes>
      </task-memory-stats>
    </task-memory-stats-list>
  </task-memory-overall-report>
</task-memory-information>
```

#### Description

### <task-memory-stats-list>

#### Usage

```
<task-memory-information>
  <task-memory-overall-report>
```

```

<task-memory-stats-list>
  <task-memory-stats>....</task-memory-stats>
</task-memory-stats-list>
</task-memory-overall-report>
</task-memory-information>

```

#### Description

### <task-replication-state>

#### Usage

```

<task-replication-state>
  <task-gres-state>
    task-gres-state
  </task-gres-state>
  <task-re-mode>
    task-re-mode
  </task-re-mode>
  <task-protocol-replication-state>
    task-protocol-replication-state
  </task-protocol-replication-state>
  <task-protocol-replication-name>
    task-protocol-replication-name
  </task-protocol-replication-name>
</task-replication-state>

```

**Description** Current state of task replication

### <task-size-block>

#### Usage

```

<task-size-block-list>
  <task-size-block>
    <tsb-size>
      tsb-size
    </tsb-size>
    <tsb-terse-transient>
      tsb-terse-transient
    </tsb-terse-transient>
    <tsb-terse-fullpage>
      tsb-terse-fullpage
    </tsb-terse-fullpage>
    <tsb-allocs>
      tsb-allocs
    </tsb-allocs>
    <tsb-mallocs>
      tsb-mallocs
    </tsb-mallocs>
    <tsb-alloc-bytes>
      tsb-alloc-bytes
    </tsb-alloc-bytes>
    <tsb-max-allocs>
      tsb-max-allocs
  </task-size-block>
</task-size-block-list>

```

```
</tsb-max-allocs>
<tsb-max-bytes>
  tsb-max-bytes
</tsb-max-bytes>
<tsb-free-bytes>
  tsb-free-bytes
</tsb-free-bytes>
</task-size-block>
</task-size-block-list>
```

## Description

### <task-size-block>

#### Usage

```
<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>
      <task-size-block>
        <tsb-size>
          tsb-size
        </tsb-size>
        <tsb-terse-transient>
          tsb-terse-transient
        </tsb-terse-transient>
        <tsb-terse-fullpage>
          tsb-terse-fullpage
        </tsb-terse-fullpage>
        <tsb-allocs>
          tsb-allocs
        </tsb-allocs>
        <tsb-mallocs>
          tsb-mallocs
        </tsb-mallocs>
        <tsb-alloc-bytes>
          tsb-alloc-bytes
        </tsb-alloc-bytes>
        <tsb-max-allocs>
          tsb-max-allocs
        </tsb-max-allocs>
        <tsb-max-bytes>
          tsb-max-bytes
        </tsb-max-bytes>
        <tsb-free-bytes>
          tsb-free-bytes
        </tsb-free-bytes>
      </task-size-block>
    </task-size-block-list>
  </task-memory-overall-report>
</task-memory-information>
```

## Description

**<task-size-block-list>****Usage**

```
<task-size-block-list>
  <task-size-block>....</task-size-block>
</task-size-block-list>
```

**Description****<task-size-block-list>****Usage**

```
<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>
      <task-size-block>....</task-size-block>
    </task-size-block-list>
  </task-memory-overall-report>
</task-memory-information>
```

**Description****<task-timer>****Usage**

```
<task-information>
  <task>
    <task-timer>
      <timer-name>
        timer-name
      </timer-name>
      <timer-late>
        timer-late
      </timer-late>
      <timer-expires>
        timer-expires
      </timer-expires>
      <timer-jitter>
        timer-jitter
      </timer-jitter>
      <timer-interval>
        timer-interval
      </timer-interval>
      <timer-flags>
        timer-flags
      </timer-flags>
    </task-timer>
  </task>
</task-information>
```

**Description**

## &lt;task-timer&gt;

## Usage

```
<task-timer>
  <timer-name>
    timer-name
  </timer-name>
  <timer-late>
    timer-late
  </timer-late>
  <timer-expires>
    timer-expires
  </timer-expires>
  <timer-jitter>
    timer-jitter
  </timer-jitter>
  <timer-interval>
    timer-interval
  </timer-interval>
  <timer-flags>
    timer-flags
  </timer-flags>
</task-timer>
```

## Description

## &lt;task-timer&gt;

## Usage

```
<task-timer-information>
  <task>
    <task-timer>
      <timer-name>
        timer-name
      </timer-name>
      <timer-late>
        timer-late
      </timer-late>
      <timer-expires>
        timer-expires
      </timer-expires>
      <timer-jitter>
        timer-jitter
      </timer-jitter>
      <timer-interval>
        timer-interval
      </timer-interval>
      <timer-flags>
        timer-flags
      </timer-flags>
    </task-timer>
  </task>
</task-timer-information>
```



**Description****<task-timer-information>****Usage**

```
<task-timer-information>  
  <task>.....</task>  
</task-timer-information>
```

**Description****<te-class-map>****Usage**

```
<te-class-map>  
  <te-class>  
    te-class  
  </te-class>  
  <traffic-class>  
    traffic-class  
  </traffic-class>  
  <te-prio>  
    te-prio  
  </te-prio>  
</te-class-map>
```

**Description****<te-class-map>****Usage**

```
<mpls-diffserv-te-information>  
  <te-class-map>  
    <te-class>  
      te-class  
    </te-class>  
    <traffic-class>  
      traffic-class  
    </traffic-class>  
    <te-prio>  
      te-prio  
    </te-prio>  
  </te-class-map>  
</mpls-diffserv-te-information>
```

**Description****<te-subtlv>****Usage**

```
<te-subtlv>  
  <tlv-type-name>  
    tlv-type-name
```

```
</tlv-type-name>
<tlv-type-value>
  tlv-type-value
</tlv-type-value>
<tlv-length>
  tlv-length
</tlv-length>
<bytes-left>
  bytes-left
</bytes-left>
<formatted-tlv-data>
  formatted-tlv-data
</formatted-tlv-data>
</te-subtlv>
```

#### Description

#### <te-subtlv>

#### Usage

```
<ospf-opaque-area-lsa>
<te-subtlv>
  <tlv-type-name>
    tlv-type-name
  </tlv-type-name>
  <tlv-type-value>
    tlv-type-value
  </tlv-type-value>
  <tlv-length>
    tlv-length
  </tlv-length>
  <bytes-left>
    bytes-left
  </bytes-left>
  <formatted-tlv-data>
    formatted-tlv-data
  </formatted-tlv-data>
</te-subtlv>
</ospf-opaque-area-lsa>
```

#### Description

#### <te-subtlv>

#### Usage

```
<ospf-database>
<ospf-opaque-area-lsa>
  <te-subtlv>
    <tlv-type-name>
      tlv-type-name
    </tlv-type-name>
    <tlv-type-value>
      tlv-type-value
    </tlv-type-value>
```

```

<tlv-length>
  tlv-length
</tlv-length>
<bytes-left>
  bytes-left
</bytes-left>
<formatted-tlv-data>
  formatted-tlv-data
</formatted-tlv-data>
</te-subtlv>
</ospf-opaque-area-lsa>
</ospf-database>

```

#### Description

#### <te-subtlv>

#### Usage

```

<ospf-database-information>
<ospf-database>
  <ospf-opaque-area-lsa>
    <te-subtlv>
      <tlv-type-name>
        tlv-type-name
      </tlv-type-name>
      <tlv-type-value>
        tlv-type-value
      </tlv-type-value>
      <tlv-length>
        tlv-length
      </tlv-length>
      <bytes-left>
        bytes-left
      </bytes-left>
      <formatted-tlv-data>
        formatted-tlv-data
      </formatted-tlv-data>
    </te-subtlv>
  </ospf-opaque-area-lsa>
</ospf-database>
</ospf-database-information>

```

#### Description

#### <ted-database>

#### Usage

```

<ted-database>
  <ted-database-id>
    ted-database-id
  </ted-database-id>
  <ted-database-id-overload>
    ted-database-id-overload
  </ted-database-id-overload>

```

```
<ted-database-type>
  ted-database-type
</ted-database-type>
<ted-database-age>
  ted-database-age
</ted-database-age>
<ted-database-link-in>
  ted-database-link-in
</ted-database-link-in>
<ted-database-link-out>
  ted-database-link-out
</ted-database-link-out>
<ted-database-protocol>
  ted-database-protocol
</ted-database-protocol>
<ted-link>....</ted-link>
<ted-database-lcl-addr>....</ted-database-lcl-addr>
</ted-database>
```

**Description** MPLS traffic engineering database

## <ted-database>

### Usage

```
<ted-database-information>
  <ted-database>
    <ted-database-id>
      ted-database-id
    </ted-database-id>
    <ted-database-id-overload>
      ted-database-id-overload
    </ted-database-id-overload>
    <ted-database-type>
      ted-database-type
    </ted-database-type>
    <ted-database-age>
      ted-database-age
    </ted-database-age>
    <ted-database-link-in>
      ted-database-link-in
    </ted-database-link-in>
    <ted-database-link-out>
      ted-database-link-out
    </ted-database-link-out>
    <ted-database-protocol>
      ted-database-protocol
    </ted-database-protocol>
    <ted-link>....</ted-link>
    <ted-database-lcl-addr>....</ted-database-lcl-addr>
  </ted-database>
</ted-database-information>
```

**Description** MPLS traffic engineering database

### <ted-database-information>

#### Usage

```
<ted-database-information>
  <ted-database-summary>....</ted-database-summary>
  <ted-database>....</ted-database>
</ted-database-information>
```

#### Description

### <ted-database-lcl-addr>

#### Usage

```
<ted-database-lcl-addr>
  <ted-lcl-addr>
    ted-lcl-addr
  </ted-lcl-addr>
</ted-database-lcl-addr>
```

#### Description

### <ted-database-lcl-addr>

#### Usage

```
<ted-database>
  <ted-database-lcl-addr>
    <ted-lcl-addr>
      ted-lcl-addr
    </ted-lcl-addr>
  </ted-database-lcl-addr>
</ted-database>
```

#### Description

### <ted-database-lcl-addr>

#### Usage

```
<ted-database-information>
  <ted-database>
    <ted-database-lcl-addr>
      <ted-lcl-addr>
        ted-lcl-addr
      </ted-lcl-addr>
    </ted-database-lcl-addr>
  </ted-database>
</ted-database-information>
```

#### Description

## <ted-database-summary>

### Usage

```
<ted-database-summary>
  <ted-database-iso-count>
    ted-database-iso-count
  </ted-database-iso-count>
  <ted-database-inet-count>
    ted-database-inet-count
  </ted-database-inet-count>
</ted-database-summary>
```

### Description

## <ted-database-summary>

### Usage

```
<ted-database-information>
  <ted-database-summary>
    <ted-database-iso-count>
      ted-database-iso-count
    </ted-database-iso-count>
    <ted-database-inet-count>
      ted-database-inet-count
    </ted-database-inet-count>
  </ted-database-summary>
</ted-database-information>
```

### Description

## <ted-link>

### Usage

```
<ted-link>
  <ted-link-from>
    ted-link-from
  </ted-link-from>
  <ted-link-to>
    ted-link-to
  </ted-link-to>
  <ted-link-local-address>
    ted-link-local-address
  </ted-link-local-address>
  <ted-link-remote-address>
    ted-link-remote-address
  </ted-link-remote-address>
  <ted-link-local-ifindex>
    ted-link-local-ifindex
  </ted-link-local-ifindex>
  <ted-link-remote-ifindex>
    ted-link-remote-ifindex
  </ted-link-remote-ifindex>
  <admin-groups>....</admin-groups>
```

```
<ted-link-extended-admin-group>....</ted-link-extended-admin-group>
<ted-link-metric>
  ted-link-metric
</ted-link-metric>
<ted-link-link-out>
  ted-link-link-out
</ted-link-link-out>
<ted-link-static-bandwidth>
  ted-link-static-bandwidth
</ted-link-static-bandwidth>
<ted-link-reservable-bandwidth>
  ted-link-reservable-bandwidth
</ted-link-reservable-bandwidth>
<ted-link-forwarding-adjacency>
  ted-link-forwarding-adjacency
</ted-link-forwarding-adjacency>
<ted-link-local-bw0>
  ted-link-local-bw0
</ted-link-local-bw0>
<ted-link-local-bw1>
  ted-link-local-bw1
</ted-link-local-bw1>
<ted-link-local-bw2>
  ted-link-local-bw2
</ted-link-local-bw2>
<ted-link-local-bw3>
  ted-link-local-bw3
</ted-link-local-bw3>
<ted-link-local-bw4>
  ted-link-local-bw4
</ted-link-local-bw4>
<ted-link-local-bw5>
  ted-link-local-bw5
</ted-link-local-bw5>
<ted-link-local-bw6>
  ted-link-local-bw6
</ted-link-local-bw6>
<ted-link-local-bw7>
  ted-link-local-bw7
</ted-link-local-bw7>
<ted-link-avail-bw0>
  ted-link-avail-bw0
</ted-link-avail-bw0>
<ted-link-avail-bw1>
  ted-link-avail-bw1
</ted-link-avail-bw1>
<ted-link-avail-bw2>
  ted-link-avail-bw2
</ted-link-avail-bw2>
<ted-link-avail-bw3>
  ted-link-avail-bw3
</ted-link-avail-bw3>
<ted-link-avail-bw4>
  ted-link-avail-bw4
</ted-link-avail-bw4>
<ted-link-avail-bw5>
```

```
    ted-link-avail-bw5
  </ted-link-avail-bw5>
  <ted-link-avail-bw6>
    ted-link-avail-bw6
  </ted-link-avail-bw6>
  <ted-link-avail-bw7>
    ted-link-avail-bw7
  </ted-link-avail-bw7>
  <ted-link-model>
    ted-link-model
  </ted-link-model>
  <ted-link-ct-bw0>
    ted-link-ct-bw0
  </ted-link-ct-bw0>
  <ted-link-ct-bw1>
    ted-link-ct-bw1
  </ted-link-ct-bw1>
  <ted-link-ct-bw2>
    ted-link-ct-bw2
  </ted-link-ct-bw2>
  <ted-link-ct-bw3>
    ted-link-ct-bw3
  </ted-link-ct-bw3>
  <ted-link-ct-bw4>
    ted-link-ct-bw4
  </ted-link-ct-bw4>
  <ted-link-ct-bw5>
    ted-link-ct-bw5
  </ted-link-ct-bw5>
  <ted-link-ct-bw6>
    ted-link-ct-bw6
  </ted-link-ct-bw6>
  <ted-link-ct-bw7>
    ted-link-ct-bw7
  </ted-link-ct-bw7>
  <switching-capability-descriptor>....</switching-capability-descriptor>
  <ted-link-srlg>....</ted-link-srlg>
  <ted-link-unreserved-bw-tlv-meaning>
    ted-link-unreserved-bw-tlv-meaning
  </ted-link-unreserved-bw-tlv-meaning>
  <ted-link-dste-tlv-meaning>
    ted-link-dste-tlv-meaning
  </ted-link-dste-tlv-meaning>
</ted-link>
```

#### Description

<ted-link>

#### Usage

```
<ted-database>
  <ted-link>
    <ted-link-from>
      ted-link-from
    </ted-link-from>
```



```
<ted-link-to>
  ted-link-to
</ted-link-to>
<ted-link-local-address>
  ted-link-local-address
</ted-link-local-address>
<ted-link-remote-address>
  ted-link-remote-address
</ted-link-remote-address>
<ted-link-local-ifindex>
  ted-link-local-ifindex
</ted-link-local-ifindex>
<ted-link-remote-ifindex>
  ted-link-remote-ifindex
</ted-link-remote-ifindex>
<admin-groups>....</admin-groups>
<ted-link-extended-admin-group>....</ted-link-extended-admin-group>
<ted-link-metric>
  ted-link-metric
</ted-link-metric>
<ted-link-link-out>
  ted-link-link-out
</ted-link-link-out>
<ted-link-static-bandwidth>
  ted-link-static-bandwidth
</ted-link-static-bandwidth>
<ted-link-reservable-bandwidth>
  ted-link-reservable-bandwidth
</ted-link-reservable-bandwidth>
<ted-link-forwarding-adjacency>
  ted-link-forwarding-adjacency
</ted-link-forwarding-adjacency>
<ted-link-local-bw0>
  ted-link-local-bw0
</ted-link-local-bw0>
<ted-link-local-bw1>
  ted-link-local-bw1
</ted-link-local-bw1>
<ted-link-local-bw2>
  ted-link-local-bw2
</ted-link-local-bw2>
<ted-link-local-bw3>
  ted-link-local-bw3
</ted-link-local-bw3>
<ted-link-local-bw4>
  ted-link-local-bw4
</ted-link-local-bw4>
<ted-link-local-bw5>
  ted-link-local-bw5
</ted-link-local-bw5>
<ted-link-local-bw6>
  ted-link-local-bw6
</ted-link-local-bw6>
<ted-link-local-bw7>
  ted-link-local-bw7
</ted-link-local-bw7>
```

```
<ted-link-avail-bw0>
  ted-link-avail-bw0
</ted-link-avail-bw0>
<ted-link-avail-bw1>
  ted-link-avail-bw1
</ted-link-avail-bw1>
<ted-link-avail-bw2>
  ted-link-avail-bw2
</ted-link-avail-bw2>
<ted-link-avail-bw3>
  ted-link-avail-bw3
</ted-link-avail-bw3>
<ted-link-avail-bw4>
  ted-link-avail-bw4
</ted-link-avail-bw4>
<ted-link-avail-bw5>
  ted-link-avail-bw5
</ted-link-avail-bw5>
<ted-link-avail-bw6>
  ted-link-avail-bw6
</ted-link-avail-bw6>
<ted-link-avail-bw7>
  ted-link-avail-bw7
</ted-link-avail-bw7>
<ted-link-model>
  ted-link-model
</ted-link-model>
<ted-link-ct-bw0>
  ted-link-ct-bw0
</ted-link-ct-bw0>
<ted-link-ct-bw1>
  ted-link-ct-bw1
</ted-link-ct-bw1>
<ted-link-ct-bw2>
  ted-link-ct-bw2
</ted-link-ct-bw2>
<ted-link-ct-bw3>
  ted-link-ct-bw3
</ted-link-ct-bw3>
<ted-link-ct-bw4>
  ted-link-ct-bw4
</ted-link-ct-bw4>
<ted-link-ct-bw5>
  ted-link-ct-bw5
</ted-link-ct-bw5>
<ted-link-ct-bw6>
  ted-link-ct-bw6
</ted-link-ct-bw6>
<ted-link-ct-bw7>
  ted-link-ct-bw7
</ted-link-ct-bw7>
<switching-capability-descriptor>....</switching-capability-descriptor>
<ted-link-srlg>....</ted-link-srlg>
<ted-link-unreserved-bw-tlv-meaning>
  ted-link-unreserved-bw-tlv-meaning
</ted-link-unreserved-bw-tlv-meaning>
```

```

    <ted-link-dste-tlv-meaning>
      ted-link-dste-tlv-meaning
    </ted-link-dste-tlv-meaning>
  </ted-link>
</ted-database>

```

## Description

### <ted-link>

#### Usage

```

<ted-database-information>
  <ted-database>
    <ted-link>
      <ted-link-from>
        ted-link-from
      </ted-link-from>
      <ted-link-to>
        ted-link-to
      </ted-link-to>
      <ted-link-local-address>
        ted-link-local-address
      </ted-link-local-address>
      <ted-link-remote-address>
        ted-link-remote-address
      </ted-link-remote-address>
      <ted-link-local-ifindex>
        ted-link-local-ifindex
      </ted-link-local-ifindex>
      <ted-link-remote-ifindex>
        ted-link-remote-ifindex
      </ted-link-remote-ifindex>
      <admin-groups>....</admin-groups>
      <ted-link-extended-admin-group>....</ted-link-extended-admin-group>
      <ted-link-metric>
        ted-link-metric
      </ted-link-metric>
      <ted-link-link-out>
        ted-link-link-out
      </ted-link-link-out>
      <ted-link-static-bandwidth>
        ted-link-static-bandwidth
      </ted-link-static-bandwidth>
      <ted-link-reservable-bandwidth>
        ted-link-reservable-bandwidth
      </ted-link-reservable-bandwidth>
      <ted-link-forwarding-adjacency>
        ted-link-forwarding-adjacency
      </ted-link-forwarding-adjacency>
      <ted-link-local-bw0>
        ted-link-local-bw0
      </ted-link-local-bw0>
      <ted-link-local-bw1>
        ted-link-local-bw1
      </ted-link-local-bw1>
    </ted-link>
  </ted-database>
</ted-database-information>

```

```
<ted-link-local-bw2>
  ted-link-local-bw2
</ted-link-local-bw2>
<ted-link-local-bw3>
  ted-link-local-bw3
</ted-link-local-bw3>
<ted-link-local-bw4>
  ted-link-local-bw4
</ted-link-local-bw4>
<ted-link-local-bw5>
  ted-link-local-bw5
</ted-link-local-bw5>
<ted-link-local-bw6>
  ted-link-local-bw6
</ted-link-local-bw6>
<ted-link-local-bw7>
  ted-link-local-bw7
</ted-link-local-bw7>
<ted-link-avail-bw0>
  ted-link-avail-bw0
</ted-link-avail-bw0>
<ted-link-avail-bw1>
  ted-link-avail-bw1
</ted-link-avail-bw1>
<ted-link-avail-bw2>
  ted-link-avail-bw2
</ted-link-avail-bw2>
<ted-link-avail-bw3>
  ted-link-avail-bw3
</ted-link-avail-bw3>
<ted-link-avail-bw4>
  ted-link-avail-bw4
</ted-link-avail-bw4>
<ted-link-avail-bw5>
  ted-link-avail-bw5
</ted-link-avail-bw5>
<ted-link-avail-bw6>
  ted-link-avail-bw6
</ted-link-avail-bw6>
<ted-link-avail-bw7>
  ted-link-avail-bw7
</ted-link-avail-bw7>
<ted-link-model>
  ted-link-model
</ted-link-model>
<ted-link-ct-bw0>
  ted-link-ct-bw0
</ted-link-ct-bw0>
<ted-link-ct-bw1>
  ted-link-ct-bw1
</ted-link-ct-bw1>
<ted-link-ct-bw2>
  ted-link-ct-bw2
</ted-link-ct-bw2>
<ted-link-ct-bw3>
  ted-link-ct-bw3
```

```

</ted-link-ct-bw3>
<ted-link-ct-bw4>
  ted-link-ct-bw4
</ted-link-ct-bw4>
<ted-link-ct-bw5>
  ted-link-ct-bw5
</ted-link-ct-bw5>
<ted-link-ct-bw6>
  ted-link-ct-bw6
</ted-link-ct-bw6>
<ted-link-ct-bw7>
  ted-link-ct-bw7
</ted-link-ct-bw7>
<switching-capability-descriptor>....</switching-capability-descriptor>
<ted-link-srlg>....</ted-link-srlg>
<ted-link-unreserved-bw-tlv-meaning>
  ted-link-unreserved-bw-tlv-meaning
</ted-link-unreserved-bw-tlv-meaning>
<ted-link-dste-tlv-meaning>
  ted-link-dste-tlv-meaning
</ted-link-dste-tlv-meaning>
</ted-link>
</ted-database>
</ted-database-information>

```

## Description

### <ted-link>

## Usage

```

<ted-link-information>
<ted-link>
  <ted-link-from>
    ted-link-from
  </ted-link-from>
  <ted-link-to>
    ted-link-to
  </ted-link-to>
  <ted-link-local-address>
    ted-link-local-address
  </ted-link-local-address>
  <ted-link-remote-address>
    ted-link-remote-address
  </ted-link-remote-address>
  <ted-link-local-ifindex>
    ted-link-local-ifindex
  </ted-link-local-ifindex>
  <ted-link-remote-ifindex>
    ted-link-remote-ifindex
  </ted-link-remote-ifindex>
  <admin-groups>....</admin-groups>
  <ted-link-extended-admin-group>....</ted-link-extended-admin-group>
  <ted-link-metric>
    ted-link-metric
  </ted-link-metric>

```

```
<ted-link-link-out>
  ted-link-link-out
</ted-link-link-out>
<ted-link-static-bandwidth>
  ted-link-static-bandwidth
</ted-link-static-bandwidth>
<ted-link-reservable-bandwidth>
  ted-link-reservable-bandwidth
</ted-link-reservable-bandwidth>
<ted-link-forwarding-adjacency>
  ted-link-forwarding-adjacency
</ted-link-forwarding-adjacency>
<ted-link-local-bw0>
  ted-link-local-bw0
</ted-link-local-bw0>
<ted-link-local-bw1>
  ted-link-local-bw1
</ted-link-local-bw1>
<ted-link-local-bw2>
  ted-link-local-bw2
</ted-link-local-bw2>
<ted-link-local-bw3>
  ted-link-local-bw3
</ted-link-local-bw3>
<ted-link-local-bw4>
  ted-link-local-bw4
</ted-link-local-bw4>
<ted-link-local-bw5>
  ted-link-local-bw5
</ted-link-local-bw5>
<ted-link-local-bw6>
  ted-link-local-bw6
</ted-link-local-bw6>
<ted-link-local-bw7>
  ted-link-local-bw7
</ted-link-local-bw7>
<ted-link-avail-bw0>
  ted-link-avail-bw0
</ted-link-avail-bw0>
<ted-link-avail-bw1>
  ted-link-avail-bw1
</ted-link-avail-bw1>
<ted-link-avail-bw2>
  ted-link-avail-bw2
</ted-link-avail-bw2>
<ted-link-avail-bw3>
  ted-link-avail-bw3
</ted-link-avail-bw3>
<ted-link-avail-bw4>
  ted-link-avail-bw4
</ted-link-avail-bw4>
<ted-link-avail-bw5>
  ted-link-avail-bw5
</ted-link-avail-bw5>
<ted-link-avail-bw6>
  ted-link-avail-bw6
```

```

</ted-link-avail-bw6>
<ted-link-avail-bw7>
  ted-link-avail-bw7
</ted-link-avail-bw7>
<ted-link-model>
  ted-link-model
</ted-link-model>
<ted-link-ct-bw0>
  ted-link-ct-bw0
</ted-link-ct-bw0>
<ted-link-ct-bw1>
  ted-link-ct-bw1
</ted-link-ct-bw1>
<ted-link-ct-bw2>
  ted-link-ct-bw2
</ted-link-ct-bw2>
<ted-link-ct-bw3>
  ted-link-ct-bw3
</ted-link-ct-bw3>
<ted-link-ct-bw4>
  ted-link-ct-bw4
</ted-link-ct-bw4>
<ted-link-ct-bw5>
  ted-link-ct-bw5
</ted-link-ct-bw5>
<ted-link-ct-bw6>
  ted-link-ct-bw6
</ted-link-ct-bw6>
<ted-link-ct-bw7>
  ted-link-ct-bw7
</ted-link-ct-bw7>
<switching-capability-descriptor>....</switching-capability-descriptor>
<ted-link-srlg>....</ted-link-srlg>
<ted-link-unreserved-bw-tlv-meaning>
  ted-link-unreserved-bw-tlv-meaning
</ted-link-unreserved-bw-tlv-meaning>
<ted-link-dste-tlv-meaning>
  ted-link-dste-tlv-meaning
</ted-link-dste-tlv-meaning>
</ted-link>
</ted-link-information>

```

#### Description

### <ted-link-extended-admin-group>

#### Usage

```

<ted-link-extended-admin-group>
  <admin-group-name>
    admin-group-name
  </admin-group-name>
</ted-link-extended-admin-group>

```

#### Description

## <ted-link-extended-admin-group>

### Usage

```
<ted-link>
  <ted-link-extended-admin-group>
    <admin-group-name>
      admin-group-name
    </admin-group-name>
  </ted-link-extended-admin-group>
</ted-link>
```

### Description

## <ted-link-extended-admin-group>

### Usage

```
<ted-database>
  <ted-link>
    <ted-link-extended-admin-group>
      <admin-group-name>
        admin-group-name
      </admin-group-name>
    </ted-link-extended-admin-group>
  </ted-link>
</ted-database>
```

### Description

## <ted-link-extended-admin-group>

### Usage

```
<ted-database-information>
  <ted-database>
    <ted-link>
      <ted-link-extended-admin-group>
        <admin-group-name>
          admin-group-name
        </admin-group-name>
      </ted-link-extended-admin-group>
    </ted-link>
  </ted-database>
</ted-database-information>
```

### Description

## <ted-link-extended-admin-group>

### Usage

```
<ted-link-information>
  <ted-link>
    <ted-link-extended-admin-group>
      <admin-group-name>
```



```

        admin-group-name
      </admin-group-name>
    </ted-link-extended-admin-group>
  </ted-link>
</ted-link-information>

```

#### Description

### <ted-link-information>

#### Usage

```

<ted-link-information>
  <ted-link>....</ted-link>
</ted-link-information>

```

#### Description

### <ted-link-srlg>

#### Usage

```

<ted-link-srlg>
  <srlg-name>
    srlg-name
  </srlg-name>
</ted-link-srlg>

```

#### Description

### <ted-link-srlg>

#### Usage

```

<ted-link>
  <ted-link-srlg>
    <srlg-name>
      srlg-name
    </srlg-name>
  </ted-link-srlg>
</ted-link>

```

#### Description

### <ted-link-srlg>

#### Usage

```

<ted-database>
  <ted-link>
    <ted-link-srlg>
      <srlg-name>
        srlg-name
      </srlg-name>
    </ted-link-srlg>
  </ted-link>

```

</ted-database>

#### Description

<ted-link-srlg>

#### Usage

```
<ted-database-information>
  <ted-database>
    <ted-link>
      <ted-link-srlg>
        <srlg-name>
          srlg-name
        </srlg-name>
      </ted-link-srlg>
    </ted-link>
  </ted-database>
</ted-database-information>
```

#### Description

<ted-link-srlg>

#### Usage

```
<ted-link-information>
  <ted-link>
    <ted-link-srlg>
      <srlg-name>
        srlg-name
      </srlg-name>
    </ted-link-srlg>
  </ted-link>
</ted-link-information>
```

#### Description

<ted-protocol>

#### Usage

```
<ted-protocol>
  <ted-protocol-name>
    ted-protocol-name
  </ted-protocol-name>
  <ted-protocol-credibility>
    ted-protocol-credibility
  </ted-protocol-credibility>
  <ted-protocol-self-node>
    ted-protocol-self-node
  </ted-protocol-self-node>
</ted-protocol>
```

#### Description

**<ted-protocol>****Usage**

```

<ted-protocol-information>
  <ted-protocol>
    <ted-protocol-name>
      ted-protocol-name
    </ted-protocol-name>
    <ted-protocol-credibility>
      ted-protocol-credibility
    </ted-protocol-credibility>
    <ted-protocol-self-node>
      ted-protocol-self-node
    </ted-protocol-self-node>
  </ted-protocol>
</ted-protocol-information>

```

**Description****<ted-protocol-information>****Usage**

```

<ted-protocol-information>
  <ted-protocol>....</ted-protocol>
</ted-protocol-information>

```

**Description****<tlv-block>****Usage**

```

<tlv-block>
  <tlv-type-name>
    tlv-type-name
  </tlv-type-name>
  <tlv-type-value>
    tlv-type-value
  </tlv-type-value>
  <tlv-length>
    tlv-length
  </tlv-length>
  <bytes-left>
    bytes-left
  </bytes-left>
  <formatted-tlv-data>
    formatted-tlv-data
  </formatted-tlv-data>
</tlv-block>

```

**Description**

## <tlv-block>

### Usage

```
<ospf-opaque-area-lsa>
  <tlv-block>
    <tlv-type-name>
      tlv-type-name
    </tlv-type-name>
    <tlv-type-value>
      tlv-type-value
    </tlv-type-value>
    <tlv-length>
      tlv-length
    </tlv-length>
    <bytes-left>
      bytes-left
    </bytes-left>
    <formatted-tlv-data>
      formatted-tlv-data
    </formatted-tlv-data>
  </tlv-block>
</ospf-opaque-area-lsa>
```

### Description

## <tlv-block>

### Usage

```
<ospf-database>
  <ospf-opaque-area-lsa>
    <tlv-block>
      <tlv-type-name>
        tlv-type-name
      </tlv-type-name>
      <tlv-type-value>
        tlv-type-value
      </tlv-type-value>
      <tlv-length>
        tlv-length
      </tlv-length>
      <bytes-left>
        bytes-left
      </bytes-left>
      <formatted-tlv-data>
        formatted-tlv-data
      </formatted-tlv-data>
    </tlv-block>
  </ospf-opaque-area-lsa>
</ospf-database>
```

### Description

## <tlv-block>

### Usage

```

<ospf-database-information>
  <ospf-database>
    <ospf-opaque-area-lsa>
      <tlv-block>
        <tlv-type-name>
          tlv-type-name
        </tlv-type-name>
        <tlv-type-value>
          tlv-type-value
        </tlv-type-value>
        <tlv-length>
          tlv-length
        </tlv-length>
        <bytes-left>
          bytes-left
        </bytes-left>
        <formatted-tlv-data>
          formatted-tlv-data
        </formatted-tlv-data>
      </tlv-block>
    </ospf-opaque-area-lsa>
  </ospf-database>
</ospf-database-information>

```

### Description

## <tlv-stragglers>

### Usage

```

<isis-tlv>
  <tlv-stragglers>
    <bytes-left>
      bytes-left
    </bytes-left>
  </tlv-stragglers>
</isis-tlv>

```

### Description

## <tlv-stragglers>

### Usage

```

<isis-database-entry>
  <isis-tlv>
    <tlv-stragglers>
      <bytes-left>
        bytes-left
      </bytes-left>
    </tlv-stragglers>
  </isis-tlv>

```

</isis-database-entry>

#### Description

<tlv-stragglers>

#### Usage

```
<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <tlv-stragglers>
        <bytes-left>
          bytes-left
        </bytes-left>
      </tlv-stragglers>
    </isis-tlv>
  </isis-database-entry>
</isis-database>
```

#### Description

<tlv-stragglers>

#### Usage

```
<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <tlv-stragglers>
          <bytes-left>
            bytes-left
          </bytes-left>
        </tlv-stragglers>
      </isis-tlv>
    </isis-database-entry>
  </isis-database>
</isis-database-information>
```

#### Description

<totals-information>

#### Usage

```
<isis-statistics>
  <totals-information>
    <packets-received>
      packets-received
    </packets-received>
    <packets-sent>
      packets-sent
    </packets-sent>
  </totals-information>
```

```
</isis-statistics>
```

#### Description

**<totals-information>**

#### Usage

```
<isis-statistics-information>
  <isis-statistics>
    <totals-information>
      <packets-received>
        packets-received
      </packets-received>
      <packets-sent>
        packets-sent
      </packets-sent>
    </totals-information>
  </isis-statistics>
</isis-statistics-information>
```

#### Description

**<tracing-information>**

#### Usage

```
<tracing-information>
  <flags>
    flags
  </flags>
  <filename>
    filename
  </filename>
  <filesize>
    filesize
  </filesize>
  <filelimit>
    filelimit
  </filelimit>
</tracing-information>
```

#### Description

**<tracing-information>**

#### Usage

```
<bgp-option-information>
  <nlri-information>
    <nlri-traffic-stats>
      <tracing-information>
        <flags>
          flags
        </flags>
        <filename>
```

```
    filename
  </filename>
  <filesize>
    filesize
  </filesize>
  <filelimit>
    filelimit
  </filelimit>
</tracing-information>
</nlri-traffic-stats>
</nlri-information>
</bgp-option-information>
```

#### Description

<tracing-information>

#### Usage

```
<bgp-peer>
  <bgp-option-information>
    <nlri-information>
      <nlri-traffic-stats>
        <tracing-information>
          <flags>
            flags
          </flags>
          <filename>
            filename
          </filename>
          <filesize>
            filesize
          </filesize>
          <filelimit>
            filelimit
          </filelimit>
        </tracing-information>
      </nlri-traffic-stats>
    </nlri-information>
  </bgp-option-information>
</bgp-peer>
```

#### Description

<tracing-information>

#### Usage

```
<bgp-peer>
  <tracing-information>
    <flags>
      flags
    </flags>
    <filename>
      filename
    </filename>
```



```

    <filesize>
      filesize
    </filesize>
    <filelimit>
      filelimit
    </filelimit>
  </tracing-information>
</bgp-peer>

```

#### Description

### <tracing-information>

#### Usage

```

<bgp-group>
  <bgp-peer>
    <bgp-option-information>
      <nlri-information>
        <nlri-traffic-stats>
          <tracing-information>
            <flags>
              flags
            </flags>
            <filename>
              filename
            </filename>
            <filesize>
              filesize
            </filesize>
            <filelimit>
              filelimit
            </filelimit>
          </tracing-information>
        </nlri-traffic-stats>
      </nlri-information>
    </bgp-option-information>
  </bgp-peer>
</bgp-group>

```

#### Description

### <tracing-information>

#### Usage

```

<bgp-group>
  <bgp-peer>
    <tracing-information>
      <flags>
        flags
      </flags>
      <filename>
        filename
      </filename>
      <filesize>

```

```
        filesize
      </filesize>
    <filelimit>
      filelimit
    </filelimit>
  </tracing-information>
</bgp-peer>
</bgp-group>
```

#### Description

### <tracing-information>

#### Usage

```
<bgp-group>
  <bgp-option-information>
    <nlri-information>
      <nlri-traffic-stats>
        <tracing-information>
          <flags>
            flags
          </flags>
          <filename>
            filename
          </filename>
          <filesize>
            filesize
          </filesize>
          <filelimit>
            filelimit
          </filelimit>
        </tracing-information>
      </nlri-traffic-stats>
    </nlri-information>
  </bgp-option-information>
</bgp-group>
```

#### Description

### <tracing-information>

#### Usage

```
<bgp-group>
  <tracing-information>
    <flags>
      flags
    </flags>
    <filename>
      filename
    </filename>
    <filesize>
      filesize
    </filesize>
    <filelimit>
```

```

        filelimit
      </filelimit>
    </tracing-information>
  </bgp-group>

```

#### Description

<tracing-information>

#### Usage

```

<bgp-information>
  <bgp-peer>
    <bgp-option-information>
      <nlri-information>
        <nlri-traffic-stats>
          <tracing-information>
            <flags>
              flags
            </flags>
            <filename>
              filename
            </filename>
            <filesize>
              filesize
            </filesize>
            <filelimit>
              filelimit
            </filelimit>
          </tracing-information>
        </nlri-traffic-stats>
      </nlri-information>
    </bgp-option-information>
  </bgp-peer>
</bgp-information>

```

#### Description

<tracing-information>

#### Usage

```

<bgp-information>
  <bgp-peer>
    <tracing-information>
      <flags>
        flags
      </flags>
      <filename>
        filename
      </filename>
      <filesize>
        filesize
      </filesize>
      <filelimit>
        filelimit
      </filelimit>
    </tracing-information>
  </bgp-peer>
</bgp-information>

```

```
</filelimit>
</tracing-information>
</bgp-peer>
</bgp-information>
```

#### Description

**<tracing-information>**

#### Usage

```
<bgp-group-information>
  <bgp-group>
    <bgp-peer>
      <bgp-option-information>
        <nlri-information>
          <nlri-traffic-stats>
            <tracing-information>
              <flags>
                flags
              </flags>
              <filename>
                filename
              </filename>
              <filesize>
                filesize
              </filesize>
              <filelimit>
                filelimit
              </filelimit>
            </tracing-information>
          </nlri-traffic-stats>
        </nlri-information>
      </bgp-option-information>
    </bgp-peer>
  </bgp-group>
</bgp-group-information>
```

#### Description

**<tracing-information>**

#### Usage

```
<bgp-group-information>
  <bgp-group>
    <bgp-peer>
      <tracing-information>
        <flags>
          flags
        </flags>
        <filename>
          filename
        </filename>
        <filesize>
          filesize
        </filesize>
      </tracing-information>
    </bgp-peer>
  </bgp-group>
</bgp-group-information>
```

```

    </filesize>
    <filelimit>
      filelimit
    </filelimit>
  </tracing-information>
</bgp-peer>
</bgp-group>
</bgp-group-information>

```

#### Description

#### <tracing-information>

##### Usage

```

<bgp-group-information>
  <bgp-group>
    <bgp-option-information>
      <nlri-information>
        <nlri-traffic-stats>
          <tracing-information>
            <flags>
              flags
            </flags>
            <filename>
              filename
            </filename>
            <filesize>
              filesize
            </filesize>
            <filelimit>
              filelimit
            </filelimit>
          </tracing-information>
        </nlri-traffic-stats>
      </nlri-information>
    </bgp-option-information>
  </bgp-group>
</bgp-group-information>

```

#### Description

#### <tracing-information>

##### Usage

```

<bgp-group-information>
  <bgp-group>
    <tracing-information>
      <flags>
        flags
      </flags>
      <filename>
        filename
      </filename>
      <filesize>

```

```
        filesize
      </filesize>
    <filelimit>
      filelimit
    </filelimit>
  </tracing-information>
</bgp-group>
</bgp-group-information>
```

#### Description

### <tracing-information>

#### Usage

```
<bgp-group-information>
  <bgp-information>
    <bgp-peer>
      <bgp-option-information>
        <nlri-information>
          <nlri-traffic-stats>
            <tracing-information>
              <flags>
                flags
              </flags>
            <filename>
              filename
            </filename>
          <filesize>
            filesize
          </filesize>
          <filelimit>
            filelimit
          </filelimit>
        </tracing-information>
      </nlri-traffic-stats>
    </nlri-information>
  </bgp-option-information>
</bgp-peer>
</bgp-information>
</bgp-group-information>
```

#### Description

### <tracing-information>

#### Usage

```
<bgp-group-information>
  <bgp-information>
    <bgp-peer>
      <tracing-information>
        <flags>
          flags
        </flags>
      <filename>
```

```

        filename
      </filename>
    <filesize>
      filesize
    </filesize>
    <filelimit>
      filelimit
    </filelimit>
  </tracing-information>
</bgp-peer>
</bgp-information>
</bgp-group-information>

```

#### Description

<tracing-information>

#### Usage

```

<ospf-overview>
  <tracing-information>
    <flags>
      flags
    </flags>
    <filename>
      filename
    </filename>
    <filesize>
      filesize
    </filesize>
    <filelimit>
      filelimit
    </filelimit>
  </tracing-information>
</ospf-overview>

```

#### Description

<tracing-information>

#### Usage

```

<ospf-overview-information>
  <ospf-overview>
    <tracing-information>
      <flags>
        flags
      </flags>
      <filename>
        filename
      </filename>
      <filesize>
        filesize
      </filesize>
      <filelimit>
        filelimit
    </tracing-information>
  </ospf-overview>
</ospf-overview-information>

```

```

        </filelimit>
      </tracing-information>
    </ospf-overview>
  </ospf-overview-information>

```

#### Description

**<tracing-information>**

#### Usage

```

<ospf3-overview-information>
  <ospf-overview>
    <tracing-information>
      <flags>
        flags
      </flags>
      <filename>
        filename
      </filename>
      <filesize>
        filesize
      </filesize>
      <filelimit>
        filelimit
      </filelimit>
    </tracing-information>
  </ospf-overview>
</ospf3-overview-information>

```

#### Description

**<transmission-status>**

#### Usage

```

<transmission-status>
  <transmit-count>
    transmit-count
  </transmit-count>
  <message>
    message
  </message>
  <interface-name>
    interface-name
  </interface-name>
  <transmit-time>
    transmit-time
  </transmit-time>
</transmission-status>

```

#### Description



**<transmission-status>****Usage**

```
<isis-database-entry>
  <transmission-status>
    <transmit-count>
      transmit-count
    </transmit-count>
    <message>
      message
    </message>
    <interface-name>
      interface-name
    </interface-name>
    <transmit-time>
      transmit-time
    </transmit-time>
  </transmission-status>
</isis-database-entry>
```

**Description****<transmission-status>****Usage**

```
<isis-database>
  <isis-database-entry>
    <transmission-status>
      <transmit-count>
        transmit-count
      </transmit-count>
      <message>
        message
      </message>
      <interface-name>
        interface-name
      </interface-name>
      <transmit-time>
        transmit-time
      </transmit-time>
    </transmission-status>
  </isis-database-entry>
</isis-database>
```

**Description****<transmission-status>****Usage**

```
<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <transmission-status>
```

```
<transmit-count>
  transmit-count
</transmit-count>
<message>
  message
</message>
<interface-name>
  interface-name
</interface-name>
<transmit-time>
  transmit-time
</transmit-time>
</transmission-status>
</isis-database-entry>
</isis-database>
</isis-database-information>
```

#### Description

### <tunnel-nexthop>

#### Usage

```
<dynamic-tunnel>
  <tunnel-nexthop>
    <tunnel-nh-type>
      tunnel-nh-type
    </tunnel-nh-type>
    <tunnel-nh-src>
      tunnel-nh-src
    </tunnel-nh-src>
    <via>
      via
    </via>
    <tunnel-nh-state>
      tunnel-nh-state
    </tunnel-nh-state>
    <tunnel-nh-reason>
      tunnel-nh-reason
    </tunnel-nh-reason>
    <tunnel-nh-lsp-name>
      tunnel-nh-lsp-name
    </tunnel-nh-lsp-name>
  </tunnel-nexthop>
</dynamic-tunnel>
```

#### Description

### <tunnel-nexthop>

#### Usage

```
<destination-network>
  <dynamic-tunnel>
    <tunnel-nexthop>
      <tunnel-nh-type>
```

```

    tunnel-nh-type
  </tunnel-nh-type>
  <tunnel-nh-src>
    tunnel-nh-src
  </tunnel-nh-src>
  <via>
    via
  </via>
  <tunnel-nh-state>
    tunnel-nh-state
  </tunnel-nh-state>
  <tunnel-nh-reason>
    tunnel-nh-reason
  </tunnel-nh-reason>
  <tunnel-nh-lsp-name>
    tunnel-nh-lsp-name
  </tunnel-nh-lsp-name>
</tunnel-nexthop>
</dynamic-tunnel>
</destination-network>

```

#### Description

#### <tunnel-nexthop>

#### Usage

```

<dynamic-tunnel-table>
  <destination-network>
    <dynamic-tunnel>
      <tunnel-nexthop>
        <tunnel-nh-type>
          tunnel-nh-type
        </tunnel-nh-type>
        <tunnel-nh-src>
          tunnel-nh-src
        </tunnel-nh-src>
        <via>
          via
        </via>
        <tunnel-nh-state>
          tunnel-nh-state
        </tunnel-nh-state>
        <tunnel-nh-reason>
          tunnel-nh-reason
        </tunnel-nh-reason>
        <tunnel-nh-lsp-name>
          tunnel-nh-lsp-name
        </tunnel-nh-lsp-name>
      </tunnel-nexthop>
    </dynamic-tunnel>
  </destination-network>
</dynamic-tunnel-table>

```

#### Description

## <tunnel-nexthop>

### Usage

```
<dynamic-tunnels-information>
  <dynamic-tunnel-table>
    <destination-network>
      <dynamic-tunnel>
        <tunnel-nexthop>
          <tunnel-nh-type>
            tunnel-nh-type
          </tunnel-nh-type>
          <tunnel-nh-src>
            tunnel-nh-src
          </tunnel-nh-src>
          <via>
            via
          </via>
          <tunnel-nh-state>
            tunnel-nh-state
          </tunnel-nh-state>
          <tunnel-nh-reason>
            tunnel-nh-reason
          </tunnel-nh-reason>
          <tunnel-nh-lsp-name>
            tunnel-nh-lsp-name
          </tunnel-nh-lsp-name>
        </tunnel-nexthop>
      </dynamic-tunnel>
    </destination-network>
  </dynamic-tunnel-table>
</dynamic-tunnels-information>
```

### Description

## <unconfigured-peers>

### Usage

```
<bgp-group>
  <unconfigured-peers>
    <route-filter>....</route-filter>
  </unconfigured-peers>
</bgp-group>
```

**Description** Set of address prefixes from which this group allows peering

## <unconfigured-peers>

### Usage

```
<bgp-group-information>
  <bgp-group>
    <unconfigured-peers>
      <route-filter>....</route-filter>
    </unconfigured-peers>
```

```

    </bgp-group>
  </bgp-group-information>

```

**Description** Set of address prefixes from which this group allows peering

### <unknown-tlv>

#### Usage

```

<isis-tlv>
  <unknown-tlv>
    <isis-tlv-type>
      isis-tlv-type
    </isis-tlv-type>
    <tlv-length>
      tlv-length
    </tlv-length>
  </unknown-tlv>
</isis-tlv>

```

#### Description

### <unknown-tlv>

#### Usage

```

<isis-database-entry>
  <isis-tlv>
    <unknown-tlv>
      <isis-tlv-type>
        isis-tlv-type
      </isis-tlv-type>
      <tlv-length>
        tlv-length
      </tlv-length>
    </unknown-tlv>
  </isis-tlv>
</isis-database-entry>

```

#### Description

### <unknown-tlv>

#### Usage

```

<isis-database>
  <isis-database-entry>
    <isis-tlv>
      <unknown-tlv>
        <isis-tlv-type>
          isis-tlv-type
        </isis-tlv-type>
        <tlv-length>
          tlv-length
        </tlv-length>
      </unknown-tlv>
    </isis-tlv>
  </isis-database-entry>
</isis-database>

```

```
</unknown-tlv>
</isis-tlv>
</isis-database-entry>
</isis-database>
```

#### Description

### <unknown-tlv>

#### Usage

```
<isis-database-information>
  <isis-database>
    <isis-database-entry>
      <isis-tlv>
        <unknown-tlv>
          <isis-tlv-type>
            isis-tlv-type
          </isis-tlv-type>
          <tlv-length>
            tlv-length
          </tlv-length>
        </unknown-tlv>
      </isis-tlv>
    </isis-database-entry>
  </isis-database>
</isis-database-information>
```

#### Description

### <upstream-group>

#### Usage

```
<pim-source-information>
  <source-family>
    <pim-source>
      <upstream-group>
        <multicast-group-address>
          multicast-group-address
        </multicast-group-address>
      </upstream-group>
    </pim-source>
  </source-family>
</pim-source-information>
```

#### Description

### <upstream-state-flags>

#### Usage

```
<pim-join-information>
  <join-family>
    <join-group>
      <upstream-state-flags>
```

```

<none>
  none
</none>
<local-source>
  local-source
</local-source>
<local-rp>
  local-rp
</local-rp>
<join-to-rp>
  join-to-rp
</join-to-rp>
<join-to-source>
  join-to-source
</join-to-source>
<prune-to-rp>
  prune-to-rp
</prune-to-rp>
<prune-to-source>
  prune-to-source
</prune-to-source>
</upstream-state-flags>
</join-group>
</join-family>
</pim-join-information>

```

## Description

### <vpls-auto-site-repository>

#### Usage

```

<vpls-auto-site-repository>
  <route-distinguisher>
    route-distinguisher
  </route-distinguisher>
  <instance-id>
    instance-id
  </instance-id>
  <local-site-id>
    local-site-id
  </local-site-id>
  <auto-site-count>
    auto-site-count
  </auto-site-count>
  <auto-site-repository-state>
    auto-site-repository-state
  </auto-site-repository-state>
</vpls-auto-site-repository>

```

**Description** Information about one or more automatic site replication entries

### <vpls-auto-site-repository>

#### Usage

```
<vpls-auto-site-repository-information>
  <vpls-auto-site-repository>
    <route-distinguisher>
      route-distinguisher
    </route-distinguisher>
    <instance-id>
      instance-id
    </instance-id>
    <local-site-id>
      local-site-id
    </local-site-id>
    <auto-site-count>
      auto-site-count
    </auto-site-count>
    <auto-site-repository-state>
      auto-site-repository-state
    </auto-site-repository-state>
  </vpls-auto-site-repository>
</vpls-auto-site-repository-information>
```

**Description** Information about one or more automatic site replication entries

### <vpls-auto-site-repository-information>

#### Usage

```
<vpls-auto-site-repository-information>
  <vpls-auto-site-repository>....</vpls-auto-site-repository>
</vpls-auto-site-repository-information>
```

**Description** Information about automatic site replication repository

### <vpls-bgp-label-repository-information>

#### Usage

```
<vpls-bgp-label-repository-information>

  <vpls-bgp-route-distinguisher-information>....</vpls-bgp-route-distinguisher-information>

</vpls-bgp-label-repository-information>
```

**Description** Information about VPLS label replication using BGP signaling

### <vpls-bgp-route-distinguisher-information>

#### Usage

```
<vpls-bgp-route-distinguisher-information>
  <route-distinguisher>
```



```
    route-distinguisher
  </route-distinguisher>
  <instance-id>
    instance-id
  </instance-id>
  <l2vpn-nlri-advertisement>....</l2vpn-nlri-advertisement>
</vpls-bgp-route-distinguisher-information>
```

**Description** Information about one or more VPLS route distinguisher replication entries

### <vpls-bgp-route-distinguisher-information>

#### Usage

```
<vpls-bgp-label-repository-information>
  <vpls-bgp-route-distinguisher-information>
    <route-distinguisher>
      route-distinguisher
    </route-distinguisher>
    <instance-id>
      instance-id
    </instance-id>
    <l2vpn-nlri-advertisement>....</l2vpn-nlri-advertisement>
  </vpls-bgp-route-distinguisher-information>
</vpls-bgp-label-repository-information>
```

**Description** Information about one or more VPLS route distinguisher replication entries

### <vpls-connection-information>

#### Usage

```
<vpls-connection-information>
  <instance>....</instance>
</vpls-connection-information>
```

**Description**

### <vpls-dyn-prof-session-information>

#### Usage

```
<vpls-dyn-prof-session-information>
  <vpls-dyn-session-entry>....</vpls-dyn-session-entry>
</vpls-dyn-prof-session-information>
```

**Description** Information about the dynamic profiles for VE Ifls

### <vpls-dyn-session-entry>

#### Usage

```
<vpls-dyn-session-entry>
  <vpls-dyn-session-id>
```

```
    vpls-dyn-session-id
  </vpls-dyn-session-id>
  <vpls-dyn-profile-name>
    vpls-dyn-profile-name
  </vpls-dyn-profile-name>
  <vpls-dyn-interface-name>
    vpls-dyn-interface-name
  </vpls-dyn-interface-name>
  <vpls-dyn-instance-name>
    vpls-dyn-instance-name
  </vpls-dyn-instance-name>
</vpls-dyn-session-entry>
```

**Description** Information for sessions created using dynamic profiles for VE ifls

### <vpls-dyn-session-entry>

#### Usage

```
<vpls-dyn-prof-session-information>
  <vpls-dyn-session-entry>
    <vpls-dyn-session-id>
      vpls-dyn-session-id
    </vpls-dyn-session-id>
    <vpls-dyn-profile-name>
      vpls-dyn-profile-name
    </vpls-dyn-profile-name>
    <vpls-dyn-interface-name>
      vpls-dyn-interface-name
    </vpls-dyn-interface-name>
    <vpls-dyn-instance-name>
      vpls-dyn-instance-name
    </vpls-dyn-instance-name>
  </vpls-dyn-session-entry>
</vpls-dyn-prof-session-information>
```

**Description** Information for sessions created using dynamic profiles for VE ifls

### <vpls-dynamic-interface-repository>

#### Usage

```
<vpls-dynamic-interface-repository>
  <instance-id>
    instance-id
  </instance-id>
  <local-site-id>
    local-site-id
  </local-site-id>
  <remote-site-id>
    remote-site-id
  </remote-site-id>
  <interface-name>
    interface-name
```

```

</interface-name>
<local-interface-index>
  local-interface-index
</local-interface-index>
<vpls-label>
  vpls-label
</vpls-label>
<interface-repository-state>
  interface-repository-state
</interface-repository-state>
<mesh-group-id>
  mesh-group-id
</mesh-group-id>
</vpls-dynamic-interface-repository>

```

**Description** Information about one or more dynamic interface replication entries

### <vpls-dynamic-interface-repository>

#### Usage

```

<vpls-dynamic-interface-repository-information>
<vpls-dynamic-interface-repository>
  <instance-id>
    instance-id
  </instance-id>
  <local-site-id>
    local-site-id
  </local-site-id>
  <remote-site-id>
    remote-site-id
  </remote-site-id>
  <interface-name>
    interface-name
  </interface-name>
  <local-interface-index>
    local-interface-index
  </local-interface-index>
  <vpls-label>
    vpls-label
  </vpls-label>
  <interface-repository-state>
    interface-repository-state
  </interface-repository-state>
  <mesh-group-id>
    mesh-group-id
  </mesh-group-id>
</vpls-dynamic-interface-repository>
</vpls-dynamic-interface-repository-information>

```

**Description** Information about one or more dynamic interface replication entries

### <vpls-dynamic-interface-repository-information>

#### Usage

```
<vpls-dynamic-interface-repository-information>
  <vpls-dynamic-interface-repository>....</vpls-dynamic-interface-repository>

  <vpls-fec129-dynamic-interface-repository>....</vpls-fec129-dynamic-interface-repository>

  <vpls-ldp-dynamic-interface-repository-entity>....</vpls-ldp-dynamic-interface-repository-entity>

</vpls-dynamic-interface-repository-information>
```

**Description** Information about the VPLS dynamic interface replication repository

### <vpls-fec129-dynamic-interface-repository>

#### Usage

```
<vpls-fec129-dynamic-interface-repository>
  <interface-name>
    interface-name
  </interface-name>
  <neighbor-id>
    neighbor-id
  </neighbor-id>
  <agi>
    agi
  </agi>
  <saii>
    saii
  </saii>
  <taii>
    taii
  </taii>
  <vpls-label>
    vpls-label
  </vpls-label>
  <interface-repository-state>
    interface-repository-state
  </interface-repository-state>
  <mesh-group-id>
    mesh-group-id
  </mesh-group-id>
</vpls-fec129-dynamic-interface-repository>
```

**Description** Information about one or more dynamic interface replication entries

### <vpls-fec129-dynamic-interface-repository>

#### Usage

```
<vpls-dynamic-interface-repository-information>
  <vpls-fec129-dynamic-interface-repository>
```

```

<interface-name>
  interface-name
</interface-name>
<neighbor-id>
  neighbor-id
</neighbor-id>
<agi>
  agi
</agi>
<saii>
  saii
</saii>
<taii>
  taii
</taii>
<vpls-label>
  vpls-label
</vpls-label>
<interface-repository-state>
  interface-repository-state
</interface-repository-state>
<mesh-group-id>
  mesh-group-id
</mesh-group-id>
</vpls-fec129-dynamic-interface-repository>
</vpls-dynamic-interface-repository-information>

```

**Description** Information about one or more dynamic interface replication entries

### <vpls-ldp-dynamic-interface-repository>

#### Usage

```

<vpls-ldp-dynamic-interface-repository>
<vpls-id>
  vpls-id
</vpls-id>
<neighbor-id>
  neighbor-id
</neighbor-id>
<interface-name>
  interface-name
</interface-name>
<vpls-label>
  vpls-label
</vpls-label>
<ifl-repository-state>
  ifl-repository-state
</ifl-repository-state>
<mesh-group-id>
  mesh-group-id
</mesh-group-id>
</vpls-ldp-dynamic-interface-repository>

```

**Description** Information about one or more dynamic interface replication entries

### <vpls-ldp-dynamic-interface-repository>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
  <vpls-ldp-dynamic-interface-repository>
    <vpls-id>
      vpls-id
    </vpls-id>
    <neighbor-id>
      neighbor-id
    </neighbor-id>
    <interface-name>
      interface-name
    </interface-name>
    <vpls-label>
      vpls-label
    </vpls-label>
    <ifl-repository-state>
      ifl-repository-state
    </ifl-repository-state>
    <mesh-group-id>
      mesh-group-id
    </mesh-group-id>
  </vpls-ldp-dynamic-interface-repository>
</vpls-ldp-dynamic-interface-repository-entity>
```

**Description** Information about one or more dynamic interface replication entries

### <vpls-ldp-dynamic-interface-repository>

#### Usage

```
<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <vpls-ldp-dynamic-interface-repository>
      <vpls-id>
        vpls-id
      </vpls-id>
      <neighbor-id>
        neighbor-id
      </neighbor-id>
      <interface-name>
        interface-name
      </interface-name>
      <vpls-label>
        vpls-label
      </vpls-label>
      <ifl-repository-state>
        ifl-repository-state
      </ifl-repository-state>
      <mesh-group-id>
        mesh-group-id
      </mesh-group-id>
    </vpls-ldp-dynamic-interface-repository>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

```

    </mesh-group-id>
  </vpls-ldp-dynamic-interface-repository>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

**Description** Information about one or more dynamic interface replication entries

### <vpls-ldp-dynamic-interface-repository-entity>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>....</instance>

<vpls-ldp-dynamic-interface-repository>....</vpls-ldp-dynamic-interface-repository>
</vpls-ldp-dynamic-interface-repository-entity>

```

**Description** Information about the VPLS dynamic interface using LDP signaling

### <vpls-ldp-dynamic-interface-repository-entity>

#### Usage

```

<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>....</instance>

<vpls-ldp-dynamic-interface-repository>....</vpls-ldp-dynamic-interface-repository>
  </vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

**Description** Information about the VPLS dynamic interface using LDP signaling

### <vpls-ldp-label-repository>

#### Usage

```

<vpls-ldp-label-repository>
  <neighbor-id>
    neighbor-id
  </neighbor-id>
  <vpls-id>
    vpls-id
  </vpls-id>
  <vpls-label>
    vpls-label
  </vpls-label>
  <label-repository-state>
    label-repository-state
  </label-repository-state>
</vpls-ldp-label-repository>

```

**Description** Information about one or more VPLS label replication entries

### <vpls-ldp-label-repository>

**Usage**

```
<vpls-ldp-label-repository-entity>
  <vpls-ldp-label-repository>
    <neighbor-id>
      neighbor-id
    </neighbor-id>
    <vpls-id>
      vpls-id
    </vpls-id>
    <vpls-label>
      vpls-label
    </vpls-label>
    <label-repository-state>
      label-repository-state
    </label-repository-state>
  </vpls-ldp-label-repository>
</vpls-ldp-label-repository-entity>
```

**Description** Information about one or more VPLS label replication entries

### <vpls-ldp-label-repository>

**Usage**

```
<vpls-ldp-label-repository-information>
  <vpls-ldp-label-repository-entity>
    <vpls-ldp-label-repository>
      <neighbor-id>
        neighbor-id
      </neighbor-id>
      <vpls-id>
        vpls-id
      </vpls-id>
      <vpls-label>
        vpls-label
      </vpls-label>
      <label-repository-state>
        label-repository-state
      </label-repository-state>
    </vpls-ldp-label-repository>
  </vpls-ldp-label-repository-entity>
</vpls-ldp-label-repository-information>
```

**Description** Information about one or more VPLS label replication entries

### <vpls-ldp-label-repository-entity>

**Usage**

```
<vpls-ldp-label-repository-entity>
```



```

<instance-name>
  instance-name
</instance-name>
<vpls-ldp-label-repository>....</vpls-ldp-label-repository>
</vpls-ldp-label-repository-entity>

```

**Description** Information about VPLS label replication using LDP signaling

### <vpls-ldp-label-repository-entity>

#### Usage

```

<vpls-ldp-label-repository-information>
  <vpls-ldp-label-repository-entity>
    <instance-name>
      instance-name
    </instance-name>
    <vpls-ldp-label-repository>....</vpls-ldp-label-repository>
  </vpls-ldp-label-repository-entity>
</vpls-ldp-label-repository-information>

```

**Description** Information about VPLS label replication using LDP signaling

### <vpls-ldp-label-repository-information>

#### Usage

```

<vpls-ldp-label-repository-information>
  <vpls-ldp-label-repository-entity>....</vpls-ldp-label-repository-entity>
</vpls-ldp-label-repository-information>

```

**Description** Information about VPLS label replication using LDP signaling

### <vpls-protocol-state>

#### Usage

```

<instance>
  <vpls-protocol-state>
    <vpls-signaling-protocol-identifier>
      vpls-signaling-protocol-identifier
    </vpls-signaling-protocol-identifier>
    <num-local-interfaces>
      num-local-interfaces
    </num-local-interfaces>
    <num-local-interfaces-up>
      num-local-interfaces-up
    </num-local-interfaces-up>
    <irb-present>
      irb-present
    </irb-present>
    <mesh-group-count>
      mesh-group-count
    </mesh-group-count>
  </vpls-protocol-state>
</instance>

```

```
<mesh-group-up-count>
  mesh-group-up-count
</mesh-group-up-count>
<mesh-group-interfaces>....</mesh-group-interfaces>
<interface>
  interface
</interface>
<mesh-group-connection>....</mesh-group-connection>
<reference-site>....</reference-site>
</vpls-protocol-state>
</instance>
```

#### Description

### <vpls-protocol-state>

#### Usage

```
<l2vpn-connection-information>
<instance>
  <vpls-protocol-state>
    <vpls-signaling-protocol-identifier>
      vpls-signaling-protocol-identifier
    </vpls-signaling-protocol-identifier>
    <num-local-interfaces>
      num-local-interfaces
    </num-local-interfaces>
    <num-local-interfaces-up>
      num-local-interfaces-up
    </num-local-interfaces-up>
    <irb-present>
      irb-present
    </irb-present>
    <mesh-group-count>
      mesh-group-count
    </mesh-group-count>
    <mesh-group-up-count>
      mesh-group-up-count
    </mesh-group-up-count>
    <mesh-group-interfaces>....</mesh-group-interfaces>
    <interface>
      interface
    </interface>
    <mesh-group-connection>....</mesh-group-connection>
    <reference-site>....</reference-site>
  </vpls-protocol-state>
</instance>
</l2vpn-connection-information>
```

#### Description

### <vpls-protocol-state>

#### Usage

```
<vpls-connection-information>
```

```

<instance>
  <vpls-protocol-state>
    <vpls-signaling-protocol-identifier>
      vpls-signaling-protocol-identifier
    </vpls-signaling-protocol-identifier>
    <num-local-interfaces>
      num-local-interfaces
    </num-local-interfaces>
    <num-local-interfaces-up>
      num-local-interfaces-up
    </num-local-interfaces-up>
    <irb-present>
      irb-present
    </irb-present>
    <mesh-group-count>
      mesh-group-count
    </mesh-group-count>
    <mesh-group-up-count>
      mesh-group-up-count
    </mesh-group-up-count>
    <mesh-group-interfaces>....</mesh-group-interfaces>
    <interface>
      interface
    </interface>
    <mesh-group-connection>....</mesh-group-connection>
    <reference-site>....</reference-site>
  </vpls-protocol-state>
</instance>
</vpls-connection-information>

```

## Description

### <vpls-protocol-state>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <vpls-protocol-state>
      <vpls-signaling-protocol-identifier>
        vpls-signaling-protocol-identifier
      </vpls-signaling-protocol-identifier>
      <num-local-interfaces>
        num-local-interfaces
      </num-local-interfaces>
      <num-local-interfaces-up>
        num-local-interfaces-up
      </num-local-interfaces-up>
      <irb-present>
        irb-present
      </irb-present>
      <mesh-group-count>
        mesh-group-count
      </mesh-group-count>
      <mesh-group-up-count>
        mesh-group-up-count

```

```
</mesh-group-up-count>
<mesh-group-interfaces>....</mesh-group-interfaces>
<interface>
  interface
</interface>
<mesh-group-connection>....</mesh-group-connection>
<reference-site>....</reference-site>
</vpls-protocol-state>
</instance>
</vpls-statistics-information>
```

## Description

### <vpls-protocol-state>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <vpls-signaling-protocol-identifier>
      vpls-signaling-protocol-identifier
    </vpls-signaling-protocol-identifier>
    <num-local-interfaces>
      num-local-interfaces
    </num-local-interfaces>
    <num-local-interfaces-up>
      num-local-interfaces-up
    </num-local-interfaces-up>
    <irb-present>
      irb-present
    </irb-present>
    <mesh-group-count>
      mesh-group-count
    </mesh-group-count>
    <mesh-group-up-count>
      mesh-group-up-count
    </mesh-group-up-count>
    <mesh-group-interfaces>....</mesh-group-interfaces>
    <interface>
      interface
    </interface>
    <mesh-group-connection>....</mesh-group-connection>
    <reference-site>....</reference-site>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

## Description

### <vpls-protocol-state>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
```

```

<instance>
  <vpls-protocol-state>
    <vpls-signaling-protocol-identifier>
      vpls-signaling-protocol-identifier
    </vpls-signaling-protocol-identifier>
    <num-local-interfaces>
      num-local-interfaces
    </num-local-interfaces>
    <num-local-interfaces-up>
      num-local-interfaces-up
    </num-local-interfaces-up>
    <irb-present>
      irb-present
    </irb-present>
    <mesh-group-count>
      mesh-group-count
    </mesh-group-count>
    <mesh-group-up-count>
      mesh-group-up-count
    </mesh-group-up-count>
    <mesh-group-interfaces>....</mesh-group-interfaces>
    <interface>
      interface
    </interface>
    <mesh-group-connection>....</mesh-group-connection>
    <reference-site>....</reference-site>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

## Description

### <vpls-protocol-state>

#### Usage

```

<mvpn-instance-information>
  <instance>
    <vpls-protocol-state>
      <vpls-signaling-protocol-identifier>
        vpls-signaling-protocol-identifier
      </vpls-signaling-protocol-identifier>
      <num-local-interfaces>
        num-local-interfaces
      </num-local-interfaces>
      <num-local-interfaces-up>
        num-local-interfaces-up
      </num-local-interfaces-up>
      <irb-present>
        irb-present
      </irb-present>
      <mesh-group-count>
        mesh-group-count
      </mesh-group-count>
      <mesh-group-up-count>

```

```
    mesh-group-up-count
  </mesh-group-up-count>
  <mesh-group-interfaces>....</mesh-group-interfaces>
  <interface>
    interface
  </interface>
  <mesh-group-connection>....</mesh-group-connection>
  <reference-site>....</reference-site>
</vpls-protocol-state>
</instance>
</mvpn-instance-information>
```

#### Description

### <vpls-rsvp-te-ingress-p2mp-lsp>

#### Usage

```
<vpls-rsvp-te-ingress-p2mp-lsp>
  <vpls-ingress-p2mp-lsp-name>
    vpls-ingress-p2mp-lsp-name
  </vpls-ingress-p2mp-lsp-name>
  <vpls-rsvp-te-p2mp-flood-nexthop-id>
    vpls-rsvp-te-p2mp-flood-nexthop-id
  </vpls-rsvp-te-p2mp-flood-nexthop-id>
</vpls-rsvp-te-ingress-p2mp-lsp>
```

#### Description

### <vpls-rsvp-te-ingress-p2mp-lsp>

#### Usage

```
<instance>
  <vpls-rsvp-te-ingress-p2mp-lsp>
    <vpls-ingress-p2mp-lsp-name>
      vpls-ingress-p2mp-lsp-name
    </vpls-ingress-p2mp-lsp-name>
    <vpls-rsvp-te-p2mp-flood-nexthop-id>
      vpls-rsvp-te-p2mp-flood-nexthop-id
    </vpls-rsvp-te-p2mp-flood-nexthop-id>
  </vpls-rsvp-te-ingress-p2mp-lsp>
</instance>
```

#### Description

### <vpls-rsvp-te-ingress-p2mp-lsp>

#### Usage

```
<l2vpn-connection-information>
  <instance>
    <vpls-rsvp-te-ingress-p2mp-lsp>
      <vpls-ingress-p2mp-lsp-name>
        vpls-ingress-p2mp-lsp-name
      </vpls-ingress-p2mp-lsp-name>
```

```

        <vpls-rsvp-te-p2mp-flood-nexthop-id>
        vpls-rsvp-te-p2mp-flood-nexthop-id
      </vpls-rsvp-te-p2mp-flood-nexthop-id>
    </vpls-rsvp-te-ingress-p2mp-lsp>
  </instance>
</l2vpn-connection-information>

```

#### Description

### <vpls-rsvp-te-ingress-p2mp-lsp>

#### Usage

```

<vpls-connection-information>
  <instance>
    <vpls-rsvp-te-ingress-p2mp-lsp>
      <vpls-ingress-p2mp-lsp-name>
      vpls-ingress-p2mp-lsp-name
    </vpls-ingress-p2mp-lsp-name>
      <vpls-rsvp-te-p2mp-flood-nexthop-id>
      vpls-rsvp-te-p2mp-flood-nexthop-id
    </vpls-rsvp-te-p2mp-flood-nexthop-id>
    </vpls-rsvp-te-ingress-p2mp-lsp>
  </instance>
</vpls-connection-information>

```

#### Description

### <vpls-rsvp-te-ingress-p2mp-lsp>

#### Usage

```

<vpls-statistics-information>
  <instance>
    <vpls-rsvp-te-ingress-p2mp-lsp>
      <vpls-ingress-p2mp-lsp-name>
      vpls-ingress-p2mp-lsp-name
    </vpls-ingress-p2mp-lsp-name>
      <vpls-rsvp-te-p2mp-flood-nexthop-id>
      vpls-rsvp-te-p2mp-flood-nexthop-id
    </vpls-rsvp-te-p2mp-flood-nexthop-id>
    </vpls-rsvp-te-ingress-p2mp-lsp>
  </instance>
</vpls-statistics-information>

```

#### Description

### <vpls-rsvp-te-ingress-p2mp-lsp>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-rsvp-te-ingress-p2mp-lsp>
      <vpls-ingress-p2mp-lsp-name>
      vpls-ingress-p2mp-lsp-name
    </vpls-rsvp-te-ingress-p2mp-lsp>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

```
</vpls-ingress-p2mp-lsp-name>
<vpls-rsvp-te-p2mp-flood-nexthop-id>
  vpls-rsvp-te-p2mp-flood-nexthop-id
</vpls-rsvp-te-p2mp-flood-nexthop-id>
</vpls-rsvp-te-ingress-p2mp-lsp>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

#### Description

### <vpls-rsvp-te-ingress-p2mp-lsp>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <vpls-rsvp-te-ingress-p2mp-lsp>
      <vpls-ingress-p2mp-lsp-name>
        vpls-ingress-p2mp-lsp-name
      </vpls-ingress-p2mp-lsp-name>
      <vpls-rsvp-te-p2mp-flood-nexthop-id>
        vpls-rsvp-te-p2mp-flood-nexthop-id
      </vpls-rsvp-te-p2mp-flood-nexthop-id>
    </vpls-rsvp-te-ingress-p2mp-lsp>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

#### Description

### <vpls-rsvp-te-ingress-p2mp-lsp>

#### Usage

```
<mvpn-instance-information>
  <instance>
    <vpls-rsvp-te-ingress-p2mp-lsp>
      <vpls-ingress-p2mp-lsp-name>
        vpls-ingress-p2mp-lsp-name
      </vpls-ingress-p2mp-lsp-name>
      <vpls-rsvp-te-p2mp-flood-nexthop-id>
        vpls-rsvp-te-p2mp-flood-nexthop-id
      </vpls-rsvp-te-p2mp-flood-nexthop-id>
    </vpls-rsvp-te-ingress-p2mp-lsp>
  </instance>
</mvpn-instance-information>
```

#### Description

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<vpls-rsvp-te-p2mp-lsp-information>
  <vpls-ingress-p2mp-branch-lsp-name>
```



```

    vpls-ingress-p2mp-branch-lsp-name
  </vpls-ingress-p2mp-branch-lsp-name>
  <vpls-ingress-p2mp-branch-lsp-state>
    vpls-ingress-p2mp-branch-lsp-state
  </vpls-ingress-p2mp-branch-lsp-state>
  <vpls-egress-p2mp-branch-lsp-name>
    vpls-egress-p2mp-branch-lsp-name
  </vpls-egress-p2mp-branch-lsp-name>
  <vpls-egress-p2mp-branch-lsp-state>
    vpls-egress-p2mp-branch-lsp-state
  </vpls-egress-p2mp-branch-lsp-state>
</vpls-rsvp-te-p2mp-lsp-information>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```

<connection>
  <vpls-rsvp-te-p2mp-lsp-information>
    <vpls-ingress-p2mp-branch-lsp-name>
      vpls-ingress-p2mp-branch-lsp-name
    </vpls-ingress-p2mp-branch-lsp-name>
    <vpls-ingress-p2mp-branch-lsp-state>
      vpls-ingress-p2mp-branch-lsp-state
    </vpls-ingress-p2mp-branch-lsp-state>
    <vpls-egress-p2mp-branch-lsp-name>
      vpls-egress-p2mp-branch-lsp-name
    </vpls-egress-p2mp-branch-lsp-name>
    <vpls-egress-p2mp-branch-lsp-state>
      vpls-egress-p2mp-branch-lsp-state
    </vpls-egress-p2mp-branch-lsp-state>
  </vpls-rsvp-te-p2mp-lsp-information>
</connection>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```

<mesh-group-connection>
  <connection>
    <vpls-rsvp-te-p2mp-lsp-information>
      <vpls-ingress-p2mp-branch-lsp-name>
        vpls-ingress-p2mp-branch-lsp-name
      </vpls-ingress-p2mp-branch-lsp-name>
      <vpls-ingress-p2mp-branch-lsp-state>
        vpls-ingress-p2mp-branch-lsp-state
      </vpls-ingress-p2mp-branch-lsp-state>
      <vpls-egress-p2mp-branch-lsp-name>
        vpls-egress-p2mp-branch-lsp-name
      </vpls-egress-p2mp-branch-lsp-name>
    </vpls-rsvp-te-p2mp-lsp-information>
  </connection>
</mesh-group-connection>

```

```
<vpls-egress-p2mp-branch-lsp-state>
  vpls-egress-p2mp-branch-lsp-state
</vpls-egress-p2mp-branch-lsp-state>
</vpls-rsvp-te-p2mp-lsp-information>
</connection>
</mesh-group-connection>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<instance>
  <reference-site>
    <connection>
      <vpls-rsvp-te-p2mp-lsp-information>
        <vpls-ingress-p2mp-branch-lsp-name>
          vpls-ingress-p2mp-branch-lsp-name
        </vpls-ingress-p2mp-branch-lsp-name>
        <vpls-ingress-p2mp-branch-lsp-state>
          vpls-ingress-p2mp-branch-lsp-state
        </vpls-ingress-p2mp-branch-lsp-state>
        <vpls-egress-p2mp-branch-lsp-name>
          vpls-egress-p2mp-branch-lsp-name
        </vpls-egress-p2mp-branch-lsp-name>
        <vpls-egress-p2mp-branch-lsp-state>
          vpls-egress-p2mp-branch-lsp-state
        </vpls-egress-p2mp-branch-lsp-state>
      </vpls-rsvp-te-p2mp-lsp-information>
    </connection>
  </reference-site>
</instance>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
          <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
          </vpls-ingress-p2mp-branch-lsp-name>
          <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
          </vpls-ingress-p2mp-branch-lsp-state>
          <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
          </vpls-egress-p2mp-branch-lsp-name>
```

```

        <vpls-egress-p2mp-branch-lsp-state>
        vpls-egress-p2mp-branch-lsp-state
        </vpls-egress-p2mp-branch-lsp-state>
    </vpls-rsvp-te-p2mp-lsp-information>
</connection>
</mesh-group-connection>
</reference-site>
</instance>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```

<instance>
<ldp-vpls-reference-site>
<connection>
    <vpls-rsvp-te-p2mp-lsp-information>
    <vpls-ingress-p2mp-branch-lsp-name>
    vpls-ingress-p2mp-branch-lsp-name
    </vpls-ingress-p2mp-branch-lsp-name>
    <vpls-ingress-p2mp-branch-lsp-state>
    vpls-ingress-p2mp-branch-lsp-state
    </vpls-ingress-p2mp-branch-lsp-state>
    <vpls-egress-p2mp-branch-lsp-name>
    vpls-egress-p2mp-branch-lsp-name
    </vpls-egress-p2mp-branch-lsp-name>
    <vpls-egress-p2mp-branch-lsp-state>
    vpls-egress-p2mp-branch-lsp-state
    </vpls-egress-p2mp-branch-lsp-state>
    </vpls-rsvp-te-p2mp-lsp-information>
</connection>
</ldp-vpls-reference-site>
</instance>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```

<instance>
<ldp-vpls-reference-site>
<mesh-group-connection>
    <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
        <vpls-ingress-p2mp-branch-lsp-name>
        vpls-ingress-p2mp-branch-lsp-name
        </vpls-ingress-p2mp-branch-lsp-name>
        <vpls-ingress-p2mp-branch-lsp-state>
        vpls-ingress-p2mp-branch-lsp-state
        </vpls-ingress-p2mp-branch-lsp-state>
        <vpls-egress-p2mp-branch-lsp-name>

```

```
        vpls-egress-p2mp-branch-lsp-name
      </vpls-egress-p2mp-branch-lsp-name>
    <vpls-egress-p2mp-branch-lsp-state>
      vpls-egress-p2mp-branch-lsp-state
    </vpls-egress-p2mp-branch-lsp-state>
  </vpls-rsvp-te-p2mp-lsp-information>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
          <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
          </vpls-ingress-p2mp-branch-lsp-name>
          <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
          </vpls-ingress-p2mp-branch-lsp-state>
          <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
          </vpls-egress-p2mp-branch-lsp-name>
          <vpls-egress-p2mp-branch-lsp-state>
            vpls-egress-p2mp-branch-lsp-state
          </vpls-egress-p2mp-branch-lsp-state>
        </vpls-rsvp-te-p2mp-lsp-information>
      </connection>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
          <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
          </vpls-ingress-p2mp-branch-lsp-name>
```

```

    <vpls-ingress-p2mp-branch-lsp-state>
      vpls-ingress-p2mp-branch-lsp-state
    </vpls-ingress-p2mp-branch-lsp-state>
    <vpls-egress-p2mp-branch-lsp-name>
      vpls-egress-p2mp-branch-lsp-name
    </vpls-egress-p2mp-branch-lsp-name>
    <vpls-egress-p2mp-branch-lsp-state>
      vpls-egress-p2mp-branch-lsp-state
    </vpls-egress-p2mp-branch-lsp-state>
  </vpls-rsvp-te-p2mp-lsp-information>
</connection>
</reference-site>
</vpls-protocol-state>
</instance>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```

<instance>
  <vpls-protocol-state>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <vpls-rsvp-te-p2mp-lsp-information>
            <vpls-ingress-p2mp-branch-lsp-name>
              vpls-ingress-p2mp-branch-lsp-name
            </vpls-ingress-p2mp-branch-lsp-name>
            <vpls-ingress-p2mp-branch-lsp-state>
              vpls-ingress-p2mp-branch-lsp-state
            </vpls-ingress-p2mp-branch-lsp-state>
            <vpls-egress-p2mp-branch-lsp-name>
              vpls-egress-p2mp-branch-lsp-name
            </vpls-egress-p2mp-branch-lsp-name>
            <vpls-egress-p2mp-branch-lsp-state>
              vpls-egress-p2mp-branch-lsp-state
            </vpls-egress-p2mp-branch-lsp-state>
          </vpls-rsvp-te-p2mp-lsp-information>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </vpls-protocol-state>
</instance>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```

<l2vpn-connection-information>
  <instance>

```

```
<reference-site>
  <connection>
    <vpls-rsvp-te-p2mp-lsp-information>
      <vpls-ingress-p2mp-branch-lsp-name>
        vpls-ingress-p2mp-branch-lsp-name
      </vpls-ingress-p2mp-branch-lsp-name>
      <vpls-ingress-p2mp-branch-lsp-state>
        vpls-ingress-p2mp-branch-lsp-state
      </vpls-ingress-p2mp-branch-lsp-state>
      <vpls-egress-p2mp-branch-lsp-name>
        vpls-egress-p2mp-branch-lsp-name
      </vpls-egress-p2mp-branch-lsp-name>
      <vpls-egress-p2mp-branch-lsp-state>
        vpls-egress-p2mp-branch-lsp-state
      </vpls-egress-p2mp-branch-lsp-state>
    </vpls-rsvp-te-p2mp-lsp-information>
  </connection>
</reference-site>
</instance>
</l2vpn-connection-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<l2vpn-connection-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <vpls-rsvp-te-p2mp-lsp-information>
            <vpls-ingress-p2mp-branch-lsp-name>
              vpls-ingress-p2mp-branch-lsp-name
            </vpls-ingress-p2mp-branch-lsp-name>
            <vpls-ingress-p2mp-branch-lsp-state>
              vpls-ingress-p2mp-branch-lsp-state
            </vpls-ingress-p2mp-branch-lsp-state>
            <vpls-egress-p2mp-branch-lsp-name>
              vpls-egress-p2mp-branch-lsp-name
            </vpls-egress-p2mp-branch-lsp-name>
            <vpls-egress-p2mp-branch-lsp-state>
              vpls-egress-p2mp-branch-lsp-state
            </vpls-egress-p2mp-branch-lsp-state>
          </vpls-rsvp-te-p2mp-lsp-information>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>
</l2vpn-connection-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

**<vpls-rsvp-te-p2mp-lsp-information>****Usage**

```

<l2vpn-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
          <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
          </vpls-ingress-p2mp-branch-lsp-name>
          <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
          </vpls-ingress-p2mp-branch-lsp-state>
          <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
          </vpls-egress-p2mp-branch-lsp-name>
          <vpls-egress-p2mp-branch-lsp-state>
            vpls-egress-p2mp-branch-lsp-state
          </vpls-egress-p2mp-branch-lsp-state>
        </vpls-rsvp-te-p2mp-lsp-information>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</l2vpn-connection-information>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

**<vpls-rsvp-te-p2mp-lsp-information>****Usage**

```

<l2vpn-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <vpls-rsvp-te-p2mp-lsp-information>
            <vpls-ingress-p2mp-branch-lsp-name>
              vpls-ingress-p2mp-branch-lsp-name
            </vpls-ingress-p2mp-branch-lsp-name>
            <vpls-ingress-p2mp-branch-lsp-state>
              vpls-ingress-p2mp-branch-lsp-state
            </vpls-ingress-p2mp-branch-lsp-state>
            <vpls-egress-p2mp-branch-lsp-name>
              vpls-egress-p2mp-branch-lsp-name
            </vpls-egress-p2mp-branch-lsp-name>
            <vpls-egress-p2mp-branch-lsp-state>
              vpls-egress-p2mp-branch-lsp-state
            </vpls-egress-p2mp-branch-lsp-state>
          </vpls-rsvp-te-p2mp-lsp-information>
        </connection>
      </mesh-group-connection>
    </ldp-vpls-reference-site>

```

```
</instance>
</l2vpn-connection-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<l2vpn-connection-information>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
          <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
          </vpls-ingress-p2mp-branch-lsp-name>
          <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
          </vpls-ingress-p2mp-branch-lsp-state>
          <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
          </vpls-egress-p2mp-branch-lsp-name>
          <vpls-egress-p2mp-branch-lsp-state>
            vpls-egress-p2mp-branch-lsp-state
          </vpls-egress-p2mp-branch-lsp-state>
        </vpls-rsvp-te-p2mp-lsp-information>
      </connection>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</l2vpn-connection-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<l2vpn-connection-information>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
          <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
          </vpls-ingress-p2mp-branch-lsp-name>
          <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
          </vpls-ingress-p2mp-branch-lsp-state>
          <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
```



```

        </vpls-egress-p2mp-branch-lsp-name>
        <vpls-egress-p2mp-branch-lsp-state>
            vpls-egress-p2mp-branch-lsp-state
        </vpls-egress-p2mp-branch-lsp-state>
    </vpls-rsvp-te-p2mp-lsp-information>
</connection>
</reference-site>
</vpls-protocol-state>
</instance>
</l2vpn-connection-information>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```

<l2vpn-connection-information>
<instance>
<vpls-protocol-state>
<reference-site>
<mesh-group-connection>
<connection>
    <vpls-rsvp-te-p2mp-lsp-information>
        <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
        </vpls-ingress-p2mp-branch-lsp-name>
        <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
        </vpls-ingress-p2mp-branch-lsp-state>
        <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
        </vpls-egress-p2mp-branch-lsp-name>
        <vpls-egress-p2mp-branch-lsp-state>
            vpls-egress-p2mp-branch-lsp-state
        </vpls-egress-p2mp-branch-lsp-state>
    </vpls-rsvp-te-p2mp-lsp-information>
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</l2vpn-connection-information>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```

<vpls-connection-information>
<instance>
<reference-site>
<connection>

```

```
<vpls-rsvp-te-p2mp-lsp-information>
  <vpls-ingress-p2mp-branch-lsp-name>
    vpls-ingress-p2mp-branch-lsp-name
  </vpls-ingress-p2mp-branch-lsp-name>
  <vpls-ingress-p2mp-branch-lsp-state>
    vpls-ingress-p2mp-branch-lsp-state
  </vpls-ingress-p2mp-branch-lsp-state>
  <vpls-egress-p2mp-branch-lsp-name>
    vpls-egress-p2mp-branch-lsp-name
  </vpls-egress-p2mp-branch-lsp-name>
  <vpls-egress-p2mp-branch-lsp-state>
    vpls-egress-p2mp-branch-lsp-state
  </vpls-egress-p2mp-branch-lsp-state>
</vpls-rsvp-te-p2mp-lsp-information>
</connection>
</reference-site>
</instance>
</vpls-connection-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<vpls-connection-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <vpls-rsvp-te-p2mp-lsp-information>
            <vpls-ingress-p2mp-branch-lsp-name>
              vpls-ingress-p2mp-branch-lsp-name
            </vpls-ingress-p2mp-branch-lsp-name>
            <vpls-ingress-p2mp-branch-lsp-state>
              vpls-ingress-p2mp-branch-lsp-state
            </vpls-ingress-p2mp-branch-lsp-state>
            <vpls-egress-p2mp-branch-lsp-name>
              vpls-egress-p2mp-branch-lsp-name
            </vpls-egress-p2mp-branch-lsp-name>
            <vpls-egress-p2mp-branch-lsp-state>
              vpls-egress-p2mp-branch-lsp-state
            </vpls-egress-p2mp-branch-lsp-state>
          </vpls-rsvp-te-p2mp-lsp-information>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>
</vpls-connection-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

**<vpls-rsvp-te-p2mp-lsp-information>****Usage**

```

<vpls-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
          <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
          </vpls-ingress-p2mp-branch-lsp-name>
          <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
          </vpls-ingress-p2mp-branch-lsp-state>
          <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
          </vpls-egress-p2mp-branch-lsp-name>
          <vpls-egress-p2mp-branch-lsp-state>
            vpls-egress-p2mp-branch-lsp-state
          </vpls-egress-p2mp-branch-lsp-state>
        </vpls-rsvp-te-p2mp-lsp-information>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-connection-information>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

**<vpls-rsvp-te-p2mp-lsp-information>****Usage**

```

<vpls-connection-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <vpls-rsvp-te-p2mp-lsp-information>
            <vpls-ingress-p2mp-branch-lsp-name>
              vpls-ingress-p2mp-branch-lsp-name
            </vpls-ingress-p2mp-branch-lsp-name>
            <vpls-ingress-p2mp-branch-lsp-state>
              vpls-ingress-p2mp-branch-lsp-state
            </vpls-ingress-p2mp-branch-lsp-state>
            <vpls-egress-p2mp-branch-lsp-name>
              vpls-egress-p2mp-branch-lsp-name
            </vpls-egress-p2mp-branch-lsp-name>
            <vpls-egress-p2mp-branch-lsp-state>
              vpls-egress-p2mp-branch-lsp-state
            </vpls-egress-p2mp-branch-lsp-state>
          </vpls-rsvp-te-p2mp-lsp-information>
        </connection>
      </mesh-group-connection>
    </ldp-vpls-reference-site>

```

```
</instance>
</vpls-connection-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <mesh-group-connection>
        <connection>
          <vpls-rsvp-te-p2mp-lsp-information>
            <vpls-ingress-p2mp-branch-lsp-name>
              vpls-ingress-p2mp-branch-lsp-name
            </vpls-ingress-p2mp-branch-lsp-name>
            <vpls-ingress-p2mp-branch-lsp-state>
              vpls-ingress-p2mp-branch-lsp-state
            </vpls-ingress-p2mp-branch-lsp-state>
            <vpls-egress-p2mp-branch-lsp-name>
              vpls-egress-p2mp-branch-lsp-name
            </vpls-egress-p2mp-branch-lsp-name>
            <vpls-egress-p2mp-branch-lsp-state>
              vpls-egress-p2mp-branch-lsp-state
            </vpls-egress-p2mp-branch-lsp-state>
          </vpls-rsvp-te-p2mp-lsp-information>
        </connection>
      </mesh-group-connection>
    </vpls-protocol-state>
  </instance>
</vpls-connection-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<vpls-connection-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <vpls-rsvp-te-p2mp-lsp-information>
            <vpls-ingress-p2mp-branch-lsp-name>
              vpls-ingress-p2mp-branch-lsp-name
            </vpls-ingress-p2mp-branch-lsp-name>
            <vpls-ingress-p2mp-branch-lsp-state>
              vpls-ingress-p2mp-branch-lsp-state
            </vpls-ingress-p2mp-branch-lsp-state>
            <vpls-egress-p2mp-branch-lsp-name>
              vpls-egress-p2mp-branch-lsp-name
```

```

        </vpls-egress-p2mp-branch-lsp-name>
        <vpls-egress-p2mp-branch-lsp-state>
            vpls-egress-p2mp-branch-lsp-state
        </vpls-egress-p2mp-branch-lsp-state>
    </vpls-rsvp-te-p2mp-lsp-information>
</connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-connection-information>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```

<vpls-connection-information>
<instance>
<vpls-protocol-state>
<reference-site>
<mesh-group-connection>
<connection>
    <vpls-rsvp-te-p2mp-lsp-information>
        <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
        </vpls-ingress-p2mp-branch-lsp-name>
        <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
        </vpls-ingress-p2mp-branch-lsp-state>
        <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
        </vpls-egress-p2mp-branch-lsp-name>
        <vpls-egress-p2mp-branch-lsp-state>
            vpls-egress-p2mp-branch-lsp-state
        </vpls-egress-p2mp-branch-lsp-state>
    </vpls-rsvp-te-p2mp-lsp-information>
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-connection-information>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```

<vpls-statistics-information>
<instance>
<reference-site>
<connection>

```

```
<vpls-rsvp-te-p2mp-lsp-information>
  <vpls-ingress-p2mp-branch-lsp-name>
    vpls-ingress-p2mp-branch-lsp-name
  </vpls-ingress-p2mp-branch-lsp-name>
  <vpls-ingress-p2mp-branch-lsp-state>
    vpls-ingress-p2mp-branch-lsp-state
  </vpls-ingress-p2mp-branch-lsp-state>
  <vpls-egress-p2mp-branch-lsp-name>
    vpls-egress-p2mp-branch-lsp-name
  </vpls-egress-p2mp-branch-lsp-name>
  <vpls-egress-p2mp-branch-lsp-state>
    vpls-egress-p2mp-branch-lsp-state
  </vpls-egress-p2mp-branch-lsp-state>
</vpls-rsvp-te-p2mp-lsp-information>
</connection>
</reference-site>
</instance>
</vpls-statistics-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<vpls-statistics-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <vpls-rsvp-te-p2mp-lsp-information>
            <vpls-ingress-p2mp-branch-lsp-name>
              vpls-ingress-p2mp-branch-lsp-name
            </vpls-ingress-p2mp-branch-lsp-name>
            <vpls-ingress-p2mp-branch-lsp-state>
              vpls-ingress-p2mp-branch-lsp-state
            </vpls-ingress-p2mp-branch-lsp-state>
            <vpls-egress-p2mp-branch-lsp-name>
              vpls-egress-p2mp-branch-lsp-name
            </vpls-egress-p2mp-branch-lsp-name>
            <vpls-egress-p2mp-branch-lsp-state>
              vpls-egress-p2mp-branch-lsp-state
            </vpls-egress-p2mp-branch-lsp-state>
          </vpls-rsvp-te-p2mp-lsp-information>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>
</vpls-statistics-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

## <vpls-rsvp-te-p2mp-lsp-information>

### Usage

```

<vpls-statistics-information>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
          <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
          </vpls-ingress-p2mp-branch-lsp-name>
          <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
          </vpls-ingress-p2mp-branch-lsp-state>
          <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
          </vpls-egress-p2mp-branch-lsp-name>
          <vpls-egress-p2mp-branch-lsp-state>
            vpls-egress-p2mp-branch-lsp-state
          </vpls-egress-p2mp-branch-lsp-state>
        </vpls-rsvp-te-p2mp-lsp-information>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-statistics-information>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

## <vpls-rsvp-te-p2mp-lsp-information>

### Usage

```

<vpls-statistics-information>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <vpls-rsvp-te-p2mp-lsp-information>
            <vpls-ingress-p2mp-branch-lsp-name>
              vpls-ingress-p2mp-branch-lsp-name
            </vpls-ingress-p2mp-branch-lsp-name>
            <vpls-ingress-p2mp-branch-lsp-state>
              vpls-ingress-p2mp-branch-lsp-state
            </vpls-ingress-p2mp-branch-lsp-state>
            <vpls-egress-p2mp-branch-lsp-name>
              vpls-egress-p2mp-branch-lsp-name
            </vpls-egress-p2mp-branch-lsp-name>
            <vpls-egress-p2mp-branch-lsp-state>
              vpls-egress-p2mp-branch-lsp-state
            </vpls-egress-p2mp-branch-lsp-state>
          </vpls-rsvp-te-p2mp-lsp-information>
        </connection>
      </mesh-group-connection>
    </ldp-vpls-reference-site>

```

```
</instance>
</vpls-statistics-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<vpls-statistics-information>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
          <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
          </vpls-ingress-p2mp-branch-lsp-name>
          <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
          </vpls-ingress-p2mp-branch-lsp-state>
          <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
          </vpls-egress-p2mp-branch-lsp-name>
          <vpls-egress-p2mp-branch-lsp-state>
            vpls-egress-p2mp-branch-lsp-state
          </vpls-egress-p2mp-branch-lsp-state>
        </vpls-rsvp-te-p2mp-lsp-information>
      </connection>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</vpls-statistics-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<vpls-statistics-information>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
          <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
          </vpls-ingress-p2mp-branch-lsp-name>
          <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
          </vpls-ingress-p2mp-branch-lsp-state>
          <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
```



```

        </vpls-egress-p2mp-branch-lsp-name>
        <vpls-egress-p2mp-branch-lsp-state>
            vpls-egress-p2mp-branch-lsp-state
        </vpls-egress-p2mp-branch-lsp-state>
    </vpls-rsvp-te-p2mp-lsp-information>
</connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-statistics-information>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```

<vpls-statistics-information>
<instance>
<vpls-protocol-state>
<reference-site>
<mesh-group-connection>
<connection>
    <vpls-rsvp-te-p2mp-lsp-information>
        <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
        </vpls-ingress-p2mp-branch-lsp-name>
        <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
        </vpls-ingress-p2mp-branch-lsp-state>
        <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
        </vpls-egress-p2mp-branch-lsp-name>
        <vpls-egress-p2mp-branch-lsp-state>
            vpls-egress-p2mp-branch-lsp-state
        </vpls-egress-p2mp-branch-lsp-state>
    </vpls-rsvp-te-p2mp-lsp-information>
</connection>
</mesh-group-connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-statistics-information>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
<instance>
<reference-site>
<connection>

```

```
<vpls-rsvp-te-p2mp-lsp-information>
  <vpls-ingress-p2mp-branch-lsp-name>
    vpls-ingress-p2mp-branch-lsp-name
  </vpls-ingress-p2mp-branch-lsp-name>
  <vpls-ingress-p2mp-branch-lsp-state>
    vpls-ingress-p2mp-branch-lsp-state
  </vpls-ingress-p2mp-branch-lsp-state>
  <vpls-egress-p2mp-branch-lsp-name>
    vpls-egress-p2mp-branch-lsp-name
  </vpls-egress-p2mp-branch-lsp-name>
  <vpls-egress-p2mp-branch-lsp-state>
    vpls-egress-p2mp-branch-lsp-state
  </vpls-egress-p2mp-branch-lsp-state>
</vpls-rsvp-te-p2mp-lsp-information>
</connection>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <vpls-rsvp-te-p2mp-lsp-information>
            <vpls-ingress-p2mp-branch-lsp-name>
              vpls-ingress-p2mp-branch-lsp-name
            </vpls-ingress-p2mp-branch-lsp-name>
            <vpls-ingress-p2mp-branch-lsp-state>
              vpls-ingress-p2mp-branch-lsp-state
            </vpls-ingress-p2mp-branch-lsp-state>
            <vpls-egress-p2mp-branch-lsp-name>
              vpls-egress-p2mp-branch-lsp-name
            </vpls-egress-p2mp-branch-lsp-name>
            <vpls-egress-p2mp-branch-lsp-state>
              vpls-egress-p2mp-branch-lsp-state
            </vpls-egress-p2mp-branch-lsp-state>
          </vpls-rsvp-te-p2mp-lsp-information>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

## <vpls-rsvp-te-p2mp-lsp-information>

### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
          <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
          </vpls-ingress-p2mp-branch-lsp-name>
          <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
          </vpls-ingress-p2mp-branch-lsp-state>
          <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
          </vpls-egress-p2mp-branch-lsp-name>
          <vpls-egress-p2mp-branch-lsp-state>
            vpls-egress-p2mp-branch-lsp-state
          </vpls-egress-p2mp-branch-lsp-state>
        </vpls-rsvp-te-p2mp-lsp-information>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

## <vpls-rsvp-te-p2mp-lsp-information>

### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <vpls-rsvp-te-p2mp-lsp-information>
            <vpls-ingress-p2mp-branch-lsp-name>
              vpls-ingress-p2mp-branch-lsp-name
            </vpls-ingress-p2mp-branch-lsp-name>
            <vpls-ingress-p2mp-branch-lsp-state>
              vpls-ingress-p2mp-branch-lsp-state
            </vpls-ingress-p2mp-branch-lsp-state>
            <vpls-egress-p2mp-branch-lsp-name>
              vpls-egress-p2mp-branch-lsp-name
            </vpls-egress-p2mp-branch-lsp-name>
            <vpls-egress-p2mp-branch-lsp-state>
              vpls-egress-p2mp-branch-lsp-state
            </vpls-egress-p2mp-branch-lsp-state>
          </vpls-rsvp-te-p2mp-lsp-information>
        </connection>
      </mesh-group-connection>
    </ldp-vpls-reference-site>

```

```
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
          <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
          </vpls-ingress-p2mp-branch-lsp-name>
          <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
          </vpls-ingress-p2mp-branch-lsp-state>
          <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
          </vpls-egress-p2mp-branch-lsp-name>
          <vpls-egress-p2mp-branch-lsp-state>
            vpls-egress-p2mp-branch-lsp-state
          </vpls-egress-p2mp-branch-lsp-state>
        </vpls-rsvp-te-p2mp-lsp-information>
      </connection>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
          <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
          </vpls-ingress-p2mp-branch-lsp-name>
          <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
          </vpls-ingress-p2mp-branch-lsp-state>
          <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
```

```

        </vpls-egress-p2mp-branch-lsp-name>
        <vpls-egress-p2mp-branch-lsp-state>
            vpls-egress-p2mp-branch-lsp-state
        </vpls-egress-p2mp-branch-lsp-state>
    </vpls-rsvp-te-p2mp-lsp-information>
</connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```

<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <vpls-rsvp-te-p2mp-lsp-information>
            <vpls-ingress-p2mp-branch-lsp-name>
                vpls-ingress-p2mp-branch-lsp-name
            </vpls-ingress-p2mp-branch-lsp-name>
            <vpls-ingress-p2mp-branch-lsp-state>
                vpls-ingress-p2mp-branch-lsp-state
            </vpls-ingress-p2mp-branch-lsp-state>
            <vpls-egress-p2mp-branch-lsp-name>
                vpls-egress-p2mp-branch-lsp-name
            </vpls-egress-p2mp-branch-lsp-name>
            <vpls-egress-p2mp-branch-lsp-state>
                vpls-egress-p2mp-branch-lsp-state
            </vpls-egress-p2mp-branch-lsp-state>
          </vpls-rsvp-te-p2mp-lsp-information>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <reference-site>

```

```

<connection>
  <vpls-rsvp-te-p2mp-lsp-information>
    <vpls-ingress-p2mp-branch-lsp-name>
      vpls-ingress-p2mp-branch-lsp-name
    </vpls-ingress-p2mp-branch-lsp-name>
    <vpls-ingress-p2mp-branch-lsp-state>
      vpls-ingress-p2mp-branch-lsp-state
    </vpls-ingress-p2mp-branch-lsp-state>
    <vpls-egress-p2mp-branch-lsp-name>
      vpls-egress-p2mp-branch-lsp-name
    </vpls-egress-p2mp-branch-lsp-name>
    <vpls-egress-p2mp-branch-lsp-state>
      vpls-egress-p2mp-branch-lsp-state
    </vpls-egress-p2mp-branch-lsp-state>
  </vpls-rsvp-te-p2mp-lsp-information>
</connection>
</reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```

<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <reference-site>
    <mesh-group-connection>
      <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
          <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
          </vpls-ingress-p2mp-branch-lsp-name>
          <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
          </vpls-ingress-p2mp-branch-lsp-state>
          <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
          </vpls-egress-p2mp-branch-lsp-name>
          <vpls-egress-p2mp-branch-lsp-state>
            vpls-egress-p2mp-branch-lsp-state
          </vpls-egress-p2mp-branch-lsp-state>
        </vpls-rsvp-te-p2mp-lsp-information>
      </connection>
    </mesh-group-connection>
  </reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
          <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
          </vpls-ingress-p2mp-branch-lsp-name>
          <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
          </vpls-ingress-p2mp-branch-lsp-state>
          <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
          </vpls-egress-p2mp-branch-lsp-name>
          <vpls-egress-p2mp-branch-lsp-state>
            vpls-egress-p2mp-branch-lsp-state
          </vpls-egress-p2mp-branch-lsp-state>
        </vpls-rsvp-te-p2mp-lsp-information>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
  <instance>
    <ldp-vpls-reference-site>
      <mesh-group-connection>
        <connection>
          <vpls-rsvp-te-p2mp-lsp-information>
            <vpls-ingress-p2mp-branch-lsp-name>
              vpls-ingress-p2mp-branch-lsp-name
            </vpls-ingress-p2mp-branch-lsp-name>
            <vpls-ingress-p2mp-branch-lsp-state>
              vpls-ingress-p2mp-branch-lsp-state
            </vpls-ingress-p2mp-branch-lsp-state>
            <vpls-egress-p2mp-branch-lsp-name>
              vpls-egress-p2mp-branch-lsp-name
            </vpls-egress-p2mp-branch-lsp-name>
            <vpls-egress-p2mp-branch-lsp-state>
              vpls-egress-p2mp-branch-lsp-state
            </vpls-egress-p2mp-branch-lsp-state>
          </vpls-rsvp-te-p2mp-lsp-information>
        </connection>
      </mesh-group-connection>
    </ldp-vpls-reference-site>
  </instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

```
</vpls-egress-p2mp-branch-lsp-state>
</vpls-rsvp-te-p2mp-lsp-information>
</connection>
</mesh-group-connection>
</ldp-vpls-reference-site>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
          <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
          </vpls-ingress-p2mp-branch-lsp-name>
          <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
          </vpls-ingress-p2mp-branch-lsp-state>
          <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
          </vpls-egress-p2mp-branch-lsp-name>
          <vpls-egress-p2mp-branch-lsp-state>
            vpls-egress-p2mp-branch-lsp-state
          </vpls-egress-p2mp-branch-lsp-state>
        </vpls-rsvp-te-p2mp-lsp-information>
      </connection>
    </mesh-group-connection>
  </vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<vpls-dynamic-interface-repository-information>
<vpls-ldp-dynamic-interface-repository-entity>
<instance>
  <vpls-protocol-state>
    <reference-site>
      <connection>
```



```

<vpls-rsvp-te-p2mp-lsp-information>
  <vpls-ingress-p2mp-branch-lsp-name>
    vpls-ingress-p2mp-branch-lsp-name
  </vpls-ingress-p2mp-branch-lsp-name>
  <vpls-ingress-p2mp-branch-lsp-state>
    vpls-ingress-p2mp-branch-lsp-state
  </vpls-ingress-p2mp-branch-lsp-state>
  <vpls-egress-p2mp-branch-lsp-name>
    vpls-egress-p2mp-branch-lsp-name
  </vpls-egress-p2mp-branch-lsp-name>
  <vpls-egress-p2mp-branch-lsp-state>
    vpls-egress-p2mp-branch-lsp-state
  </vpls-egress-p2mp-branch-lsp-state>
</vpls-rsvp-te-p2mp-lsp-information>
</connection>
</reference-site>
</vpls-protocol-state>
</instance>
</vpls-ldp-dynamic-interface-repository-entity>
</vpls-dynamic-interface-repository-information>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```

<vpls-dynamic-interface-repository-information>
  <vpls-ldp-dynamic-interface-repository-entity>
    <instance>
      <vpls-protocol-state>
        <reference-site>
          <mesh-group-connection>
            <connection>
              <vpls-rsvp-te-p2mp-lsp-information>
                <vpls-ingress-p2mp-branch-lsp-name>
                  vpls-ingress-p2mp-branch-lsp-name
                </vpls-ingress-p2mp-branch-lsp-name>
                <vpls-ingress-p2mp-branch-lsp-state>
                  vpls-ingress-p2mp-branch-lsp-state
                </vpls-ingress-p2mp-branch-lsp-state>
                <vpls-egress-p2mp-branch-lsp-name>
                  vpls-egress-p2mp-branch-lsp-name
                </vpls-egress-p2mp-branch-lsp-name>
                <vpls-egress-p2mp-branch-lsp-state>
                  vpls-egress-p2mp-branch-lsp-state
                </vpls-egress-p2mp-branch-lsp-state>
              </vpls-rsvp-te-p2mp-lsp-information>
            </connection>
          </mesh-group-connection>
        </reference-site>
      </vpls-protocol-state>
    </instance>
  </vpls-ldp-dynamic-interface-repository-entity>

```

```
</vpls-dynamic-interface-repository-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<l2circuit-connection-information>
<l2circuit-neighbor>
<connection>
  <vpls-rsvp-te-p2mp-lsp-information>
    <vpls-ingress-p2mp-branch-lsp-name>
      vpls-ingress-p2mp-branch-lsp-name
    </vpls-ingress-p2mp-branch-lsp-name>
    <vpls-ingress-p2mp-branch-lsp-state>
      vpls-ingress-p2mp-branch-lsp-state
    </vpls-ingress-p2mp-branch-lsp-state>
    <vpls-egress-p2mp-branch-lsp-name>
      vpls-egress-p2mp-branch-lsp-name
    </vpls-egress-p2mp-branch-lsp-name>
    <vpls-egress-p2mp-branch-lsp-state>
      vpls-egress-p2mp-branch-lsp-state
    </vpls-egress-p2mp-branch-lsp-state>
  </vpls-rsvp-te-p2mp-lsp-information>
</connection>
</l2circuit-neighbor>
</l2circuit-connection-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<mvpn-instance-information>
<instance>
  <reference-site>
    <connection>
      <vpls-rsvp-te-p2mp-lsp-information>
        <vpls-ingress-p2mp-branch-lsp-name>
          vpls-ingress-p2mp-branch-lsp-name
        </vpls-ingress-p2mp-branch-lsp-name>
        <vpls-ingress-p2mp-branch-lsp-state>
          vpls-ingress-p2mp-branch-lsp-state
        </vpls-ingress-p2mp-branch-lsp-state>
        <vpls-egress-p2mp-branch-lsp-name>
          vpls-egress-p2mp-branch-lsp-name
        </vpls-egress-p2mp-branch-lsp-name>
        <vpls-egress-p2mp-branch-lsp-state>
          vpls-egress-p2mp-branch-lsp-state
        </vpls-egress-p2mp-branch-lsp-state>
      </vpls-rsvp-te-p2mp-lsp-information>
    </connection>
```

```

    </reference-site>
  </instance>
</mvpn-instance-information>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```

<mvpn-instance-information>
  <instance>
    <reference-site>
      <mesh-group-connection>
        <connection>
          <vpls-rsvp-te-p2mp-lsp-information>
            <vpls-ingress-p2mp-branch-lsp-name>
              vpls-ingress-p2mp-branch-lsp-name
            </vpls-ingress-p2mp-branch-lsp-name>
            <vpls-ingress-p2mp-branch-lsp-state>
              vpls-ingress-p2mp-branch-lsp-state
            </vpls-ingress-p2mp-branch-lsp-state>
            <vpls-egress-p2mp-branch-lsp-name>
              vpls-egress-p2mp-branch-lsp-name
            </vpls-egress-p2mp-branch-lsp-name>
            <vpls-egress-p2mp-branch-lsp-state>
              vpls-egress-p2mp-branch-lsp-state
            </vpls-egress-p2mp-branch-lsp-state>
          </vpls-rsvp-te-p2mp-lsp-information>
        </connection>
      </mesh-group-connection>
    </reference-site>
  </instance>
</mvpn-instance-information>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```

<mvpn-instance-information>
  <instance>
    <ldp-vpls-reference-site>
      <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
          <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
          </vpls-ingress-p2mp-branch-lsp-name>
          <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
          </vpls-ingress-p2mp-branch-lsp-state>
          <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
          </vpls-egress-p2mp-branch-lsp-name>
        </vpls-rsvp-te-p2mp-lsp-information>
      </connection>
    </ldp-vpls-reference-site>
  </instance>
</mvpn-instance-information>

```

```
</vpls-egress-p2mp-branch-lsp-name>
<vpls-egress-p2mp-branch-lsp-state>
  vpls-egress-p2mp-branch-lsp-state
</vpls-egress-p2mp-branch-lsp-state>
</vpls-rsvp-te-p2mp-lsp-information>
</connection>
</ldp-vpls-reference-site>
</instance>
</mvpn-instance-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<mvpn-instance-information>
<instance>
  <ldp-vpls-reference-site>
    <mesh-group-connection>
      <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
          <vpls-ingress-p2mp-branch-lsp-name>
            vpls-ingress-p2mp-branch-lsp-name
          </vpls-ingress-p2mp-branch-lsp-name>
          <vpls-ingress-p2mp-branch-lsp-state>
            vpls-ingress-p2mp-branch-lsp-state
          </vpls-ingress-p2mp-branch-lsp-state>
          <vpls-egress-p2mp-branch-lsp-name>
            vpls-egress-p2mp-branch-lsp-name
          </vpls-egress-p2mp-branch-lsp-name>
          <vpls-egress-p2mp-branch-lsp-state>
            vpls-egress-p2mp-branch-lsp-state
          </vpls-egress-p2mp-branch-lsp-state>
        </vpls-rsvp-te-p2mp-lsp-information>
      </connection>
    </mesh-group-connection>
  </ldp-vpls-reference-site>
</instance>
</mvpn-instance-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```
<mvpn-instance-information>
<instance>
  <vpls-protocol-state>
    <mesh-group-connection>
      <connection>
        <vpls-rsvp-te-p2mp-lsp-information>
          <vpls-ingress-p2mp-branch-lsp-name>
```

```

        vpls-ingress-p2mp-branch-lsp-name
      </vpls-ingress-p2mp-branch-lsp-name>
      <vpls-ingress-p2mp-branch-lsp-state>
        vpls-ingress-p2mp-branch-lsp-state
      </vpls-ingress-p2mp-branch-lsp-state>
      <vpls-egress-p2mp-branch-lsp-name>
        vpls-egress-p2mp-branch-lsp-name
      </vpls-egress-p2mp-branch-lsp-name>
      <vpls-egress-p2mp-branch-lsp-state>
        vpls-egress-p2mp-branch-lsp-state
      </vpls-egress-p2mp-branch-lsp-state>
    </vpls-rsvp-te-p2mp-lsp-information>
  </connection>
</mesh-group-connection>
</vpls-protocol-state>
</instance>
</mvpn-instance-information>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

### <vpls-rsvp-te-p2mp-lsp-information>

#### Usage

```

<mvpn-instance-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <connection>
          <vpls-rsvp-te-p2mp-lsp-information>
            <vpls-ingress-p2mp-branch-lsp-name>
              vpls-ingress-p2mp-branch-lsp-name
            </vpls-ingress-p2mp-branch-lsp-name>
            <vpls-ingress-p2mp-branch-lsp-state>
              vpls-ingress-p2mp-branch-lsp-state
            </vpls-ingress-p2mp-branch-lsp-state>
            <vpls-egress-p2mp-branch-lsp-name>
              vpls-egress-p2mp-branch-lsp-name
            </vpls-egress-p2mp-branch-lsp-name>
            <vpls-egress-p2mp-branch-lsp-state>
              vpls-egress-p2mp-branch-lsp-state
            </vpls-egress-p2mp-branch-lsp-state>
          </vpls-rsvp-te-p2mp-lsp-information>
        </connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</mvpn-instance-information>

```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

## <vpls-rsvp-te-p2mp-lsp-information>

### Usage

```
<mvpn-instance-information>
  <instance>
    <vpls-protocol-state>
      <reference-site>
        <mesh-group-connection>
          <connection>
            <vpls-rsvp-te-p2mp-lsp-information>
              <vpls-ingress-p2mp-branch-lsp-name>
                vpls-ingress-p2mp-branch-lsp-name
              </vpls-ingress-p2mp-branch-lsp-name>
              <vpls-ingress-p2mp-branch-lsp-state>
                vpls-ingress-p2mp-branch-lsp-state
              </vpls-ingress-p2mp-branch-lsp-state>
              <vpls-egress-p2mp-branch-lsp-name>
                vpls-egress-p2mp-branch-lsp-name
              </vpls-egress-p2mp-branch-lsp-name>
              <vpls-egress-p2mp-branch-lsp-state>
                vpls-egress-p2mp-branch-lsp-state
              </vpls-egress-p2mp-branch-lsp-state>
            </vpls-rsvp-te-p2mp-lsp-information>
          </connection>
        </mesh-group-connection>
      </reference-site>
    </vpls-protocol-state>
  </instance>
</mvpn-instance-information>
```

**Description** Information about one or more VPLS RSVP-TE point-to-multipoint LSPs

## <vpls-statistics-information>

### Usage

```
<vpls-statistics-information>
  <instance>....</instance>
  <interface-statistics>....</interface-statistics>
</vpls-statistics-information>
```

### Description

## <vrrp-group>

### Usage

```
<ipv6-ra-interface>
  <vrrp-group>
    <vrrp-group-id>
      vrrp-group-id
    </vrrp-group-id>
    <vrrp-advertisements-sent>
      vrrp-advertisements-sent
    </vrrp-advertisements-sent>
```

```

<vrrp-advertisement-sent-time>
  vrrp-advertisement-sent-time
</vrrp-advertisement-sent-time>
<vrrp-solicits-received>
  vrrp-solicits-received
</vrrp-solicits-received>
<vrrp-solicit-receive-time>
  vrrp-solicit-receive-time
</vrrp-solicit-receive-time>
<vrrp-advertisements-received>
  vrrp-advertisements-received
</vrrp-advertisements-received>
</vrrp-group>
</ipv6-ra-interface>

```

#### Description

#### <vrrp-group>

#### Usage

```

<ipv6-ra-information>
<ipv6-ra-interface>
  <vrrp-group>
    <vrrp-group-id>
      vrrp-group-id
    </vrrp-group-id>
    <vrrp-advertisements-sent>
      vrrp-advertisements-sent
    </vrrp-advertisements-sent>
    <vrrp-advertisement-sent-time>
      vrrp-advertisement-sent-time
    </vrrp-advertisement-sent-time>
    <vrrp-solicits-received>
      vrrp-solicits-received
    </vrrp-solicits-received>
    <vrrp-solicit-receive-time>
      vrrp-solicit-receive-time
    </vrrp-solicit-receive-time>
    <vrrp-advertisements-received>
      vrrp-advertisements-received
    </vrrp-advertisements-received>
  </vrrp-group>
</ipv6-ra-interface>
</ipv6-ra-information>

```

#### Description

### Summary of Real-Time Performance Monitoring Response Tags

#### <active-servers>

#### Usage

```

<active-servers>
  <configured-servers>....</configured-servers>

```

</active-servers>

#### Description

<configured-servers>

#### Usage

```
<configured-servers>
  <protocol>
    protocol
  </protocol>
  <port>
    port
  </port>
  <destination-interface>
    destination-interface
  </destination-interface>
</configured-servers>
```

#### Description

<configured-servers>

#### Usage

```
<active-servers>
  <configured-servers>
    <protocol>
      protocol
    </protocol>
    <port>
      port
    </port>
    <destination-interface>
      destination-interface
    </destination-interface>
  </configured-servers>
</active-servers>
```

#### Description

<connection>

#### Usage

```
<twamp-server-information>
  <connection>
    <connection-id>
      connection-id
    </connection-id>
    <client-address>
      client-address
    </client-address>
    <client-port>
      client-port
    </client-port>
  </connection>
</twamp-server-information>
```



```
</client-port>
<server-address>
  server-address
</server-address>
<server-port>
  server-port
</server-port>
<session-count>
  session-count
</session-count>
<authentication-mode>
  authentication-mode
</authentication-mode>
</connection>
</twamp-server-information>
```

**Description** Server connection

### <history-results>

**Usage**

```
<history-results>
  <history-test-results>....</history-test-results>
</history-results>
```

**Description**

### <history-test-results>

**Usage**

```
<history-results>
  <history-test-results>
    <owner>
      owner
    </owner>
    <test-name>
      test-name
    </test-name>
    <target-address>
      target-address
    </target-address>
    <target-url>
      target-url
    </target-url>
    <source-address>
      source-address
    </source-address>
    <destination-interface>
      destination-interface
    </destination-interface>
    <probe-type>
      probe-type
    </probe-type>
```

```
<probe-single-results>....</probe-single-results>
<probe-test-current-results>....</probe-test-current-results>
<loss-thresh-total>
  loss-thresh-total
</loss-thresh-total>
<loss-thresh-succ>
  loss-thresh-succ
</loss-thresh-succ>
<delay-thresh>
  delay-thresh
</delay-thresh>
<jitter-thresh>
  jitter-thresh
</jitter-thresh>
<stddev-thresh>
  stddev-thresh
</stddev-thresh>
<egress-thresh>
  egress-thresh
</egress-thresh>
<egress-jitter-thresh>
  egress-jitter-thresh
</egress-jitter-thresh>
<ingress-thresh>
  ingress-thresh
</ingress-thresh>
<ingress-jitter-thresh>
  ingress-jitter-thresh
</ingress-jitter-thresh>
</history-test-results>
</history-results>
```

#### Description

<packet-statistics>

#### Usage

```
<twamp-server-information>
<server>
  <session>
    <packet-statistics>
      <request-sessions-received>
        request-sessions-received
      </request-sessions-received>
      <accept-sessions-sent>
        accept-sessions-sent
      </accept-sessions-sent>
      <start-sessions-received>
        start-sessions-received
      </start-sessions-received>
      <stop-sessions-received>
        stop-sessions-received
      </stop-sessions-received>
      <test-packets-received>
        test-packets-received
```

```

</test-packets-received>
<test-packets-reflected>
  test-packets-reflected
</test-packets-reflected>
<last-sequence-number-received>
  last-sequence-number-received
</last-sequence-number-received>
<last-sequence-number-sent>
  last-sequence-number-sent
</last-sequence-number-sent>
<test-packets-dropped>
  test-packets-dropped
</test-packets-dropped>
<test-packets-dropped-details>....</test-packets-dropped-details>
</packet-statistics>
</session>
</server>
</twamp-server-information>

```

**Description** Test session packet statistics

## <packet-statistics>

### Usage

```

<twamp-server-information>
  <server-statistics>
    <packet-statistics>
      <request-sessions-received>
        request-sessions-received
      </request-sessions-received>
      <accept-sessions-sent>
        accept-sessions-sent
      </accept-sessions-sent>
      <start-sessions-received>
        start-sessions-received
      </start-sessions-received>
      <stop-sessions-received>
        stop-sessions-received
      </stop-sessions-received>
      <test-packets-received>
        test-packets-received
      </test-packets-received>
      <test-packets-reflected>
        test-packets-reflected
      </test-packets-reflected>
      <last-sequence-number-received>
        last-sequence-number-received
      </last-sequence-number-received>
      <last-sequence-number-sent>
        last-sequence-number-sent
      </last-sequence-number-sent>
      <test-packets-dropped>
        test-packets-dropped
      </test-packets-dropped>
    </packet-statistics>
  </server-statistics>
</twamp-server-information>

```

```
<test-packets-dropped-details>....</test-packets-dropped-details>
</packet-statistics>
</server-statistics>
</twamp-server-information>
```

**Description** Test session packet statistics

### <probe-last-test-info>

#### Usage

```
<probe-last-test-info>
  <last-test-time>
    last-test-time
  </last-test-time>
</probe-last-test-info>
```

**Description**

### <probe-last-test-info>

#### Usage

```
<probe-test-generic-results>
  <probe-last-test-info>
    <last-test-time>
      last-test-time
    </last-test-time>
  </probe-last-test-info>
</probe-test-generic-results>
```

**Description**

### <probe-last-test-info>

#### Usage

```
<probe-test-current-results>
  <probe-test-generic-results>
    <probe-last-test-info>
      <last-test-time>
        last-test-time
      </last-test-time>
    </probe-last-test-info>
  </probe-test-generic-results>
</probe-test-current-results>
```

**Description**

### <probe-last-test-info>

#### Usage

```
<probe-test-global-results>
  <probe-test-generic-results>
```

```

<probe-last-test-info>
  <last-test-time>
    last-test-time
  </last-test-time>
</probe-last-test-info>
</probe-test-generic-results>
</probe-test-global-results>

```

#### Description

<probe-last-test-info>

#### Usage

```

<probe-test-moving-results>
  <probe-test-generic-results>
    <probe-last-test-info>
      <last-test-time>
        last-test-time
      </last-test-time>
    </probe-last-test-info>
  </probe-test-generic-results>
</probe-test-moving-results>

```

#### Description

<probe-last-test-info>

#### Usage

```

<probe-last-test-results>
  <probe-test-generic-results>
    <probe-last-test-info>
      <last-test-time>
        last-test-time
      </last-test-time>
    </probe-last-test-info>
  </probe-test-generic-results>
</probe-last-test-results>

```

#### Description

<probe-last-test-info>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-last-test-info>
          <last-test-time>
            last-test-time
          </last-test-time>
        </probe-last-test-info>
      </probe-test-generic-results>
    </probe-test-current-results>
  </probe-test-results>
</probe-results>

```

```
</probe-test-current-results>
</probe-test-results>
</probe-results>
```

#### Description

### <probe-last-test-info>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probe-last-test-info>
          <last-test-time>
            last-test-time
          </last-test-time>
        </probe-last-test-info>
      </probe-test-generic-results>
    </probe-last-test-results>
  </probe-test-results>
</probe-results>
```

#### Description

### <probe-last-test-info>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-moving-results>
      <probe-test-generic-results>
        <probe-last-test-info>
          <last-test-time>
            last-test-time
          </last-test-time>
        </probe-last-test-info>
      </probe-test-generic-results>
    </probe-test-moving-results>
  </probe-test-results>
</probe-results>
```

#### Description

### <probe-last-test-info>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-global-results>
      <probe-test-generic-results>
        <probe-last-test-info>
          <last-test-time>
```

```

        last-test-time
      </last-test-time>
    </probe-last-test-info>
  </probe-test-generic-results>
</probe-test-global-results>
</probe-test-results>
</probe-results>

```

#### Description

### <probe-last-test-info>

#### Usage

```

<history-results>
  <history-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-last-test-info>
          <last-test-time>
            last-test-time
          </last-test-time>
        </probe-last-test-info>
      </probe-test-generic-results>
    </probe-test-current-results>
  </history-test-results>
</history-results>

```

#### Description

### <probe-last-test-results>

#### Usage

```

<probe-last-test-results>
  <probe-test-generic-results>....</probe-test-generic-results>
</probe-last-test-results>

```

#### Description

### <probe-last-test-results>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>....</probe-test-generic-results>
    </probe-last-test-results>
  </probe-test-results>
</probe-results>

```

#### Description

## <probe-results>

### Usage

```
<probe-results>
  <probe-test-results>....</probe-test-results>
</probe-results>
```

### Description

## <probe-single-results>

### Usage

```
<probe-single-results>
  <owner>
    owner
  </owner>
  <test-name>
    test-name
  </test-name>
  <probe-time>
    probe-time
  </probe-time>
  <probe-status>
    probe-status
  </probe-status>
  <hardware-timestamp-status>
    hardware-timestamp-status
  </hardware-timestamp-status>
  <rtt>
    rtt
  </rtt>
  <ingress>
    ingress
  </ingress>
  <egress>
    egress
  </egress>
  <egress-jitter>
    egress-jitter
  </egress-jitter>
  <ingress-jitter>
    ingress-jitter
  </ingress-jitter>
  <round-trip-jitter>
    round-trip-jitter
  </round-trip-jitter>
  <egress-interarrival-jitter>
    egress-interarrival-jitter
  </egress-interarrival-jitter>
  <ingress-interarrival-jitter>
    ingress-interarrival-jitter
  </ingress-interarrival-jitter>
  <round-trip-interarrival-jitter>
    round-trip-interarrival-jitter
```



```

    </round-trip-interarrival-jitter>
  </probe-single-results>

```

## Description

### <probe-single-results>

## Usage

```

<probe-results>
  <probe-test-results>
    <probe-single-results>
      <owner>
        owner
      </owner>
      <test-name>
        test-name
      </test-name>
      <probe-time>
        probe-time
      </probe-time>
      <probe-status>
        probe-status
      </probe-status>
      <hardware-timestamp-status>
        hardware-timestamp-status
      </hardware-timestamp-status>
      <rtt>
        rtt
      </rtt>
      <ingress>
        ingress
      </ingress>
      <egress>
        egress
      </egress>
      <egress-jitter>
        egress-jitter
      </egress-jitter>
      <ingress-jitter>
        ingress-jitter
      </ingress-jitter>
      <round-trip-jitter>
        round-trip-jitter
      </round-trip-jitter>
      <egress-interarrival-jitter>
        egress-interarrival-jitter
      </egress-interarrival-jitter>
      <ingress-interarrival-jitter>
        ingress-interarrival-jitter
      </ingress-interarrival-jitter>
      <round-trip-interarrival-jitter>
        round-trip-interarrival-jitter
      </round-trip-interarrival-jitter>
    </probe-single-results>
  </probe-test-results>

```

</probe-results>

## Description

### <probe-single-results>

#### Usage

```
<history-results>
  <history-test-results>
    <probe-single-results>
      <owner>
        owner
      </owner>
      <test-name>
        test-name
      </test-name>
      <probe-time>
        probe-time
      </probe-time>
      <probe-status>
        probe-status
      </probe-status>
      <hardware-timestamp-status>
        hardware-timestamp-status
      </hardware-timestamp-status>
      <rtt>
        rtt
      </rtt>
      <ingress>
        ingress
      </ingress>
      <egress>
        egress
      </egress>
      <egress-jitter>
        egress-jitter
      </egress-jitter>
      <ingress-jitter>
        ingress-jitter
      </ingress-jitter>
      <round-trip-jitter>
        round-trip-jitter
      </round-trip-jitter>
      <egress-interarrival-jitter>
        egress-interarrival-jitter
      </egress-interarrival-jitter>
      <ingress-interarrival-jitter>
        ingress-interarrival-jitter
      </ingress-interarrival-jitter>
      <round-trip-interarrival-jitter>
        round-trip-interarrival-jitter
      </round-trip-interarrival-jitter>
    </probe-single-results>
  </history-test-results>
```

</history-results>

#### Description

<probe-summary-results>

#### Usage

```
<probe-summary-results>
  <probe-results-type>
    probe-results-type
  </probe-results-type>
  <min-delay>
    min-delay
  </min-delay>
  <max-delay>
    max-delay
  </max-delay>
  <avg-delay>
    avg-delay
  </avg-delay>
  <jitter-delay>
    jitter-delay
  </jitter-delay>
  <stddev-delay>
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
  </sum-delay>
  <samples>
    samples
  </samples>
</probe-summary-results>
```

#### Description

<probe-summary-results>

#### Usage

```
<probe-test-rtt>
  <probe-summary-results>
    <probe-results-type>
      probe-results-type
    </probe-results-type>
    <min-delay>
      min-delay
    </min-delay>
    <max-delay>
      max-delay
    </max-delay>
    <avg-delay>
      avg-delay
    </avg-delay>
    <jitter-delay>
```

```
    jitter-delay
  </jitter-delay>
  <stddev-delay>
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
  </sum-delay>
  <samples>
    samples
  </samples>
</probe-summary-results>
</probe-test-rtt>
```

#### Description

<probe-summary-results>

#### Usage

```
<probe-test-ingress>
  <probe-summary-results>
    <probe-results-type>
      probe-results-type
    </probe-results-type>
    <min-delay>
      min-delay
    </min-delay>
    <max-delay>
      max-delay
    </max-delay>
    <avg-delay>
      avg-delay
    </avg-delay>
    <jitter-delay>
      jitter-delay
    </jitter-delay>
    <stddev-delay>
      stddev-delay
    </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-ingress>
```

#### Description

<probe-summary-results>

#### Usage

```
<probe-test-egress>
```

```

<probe-summary-results>
  <probe-results-type>
    probe-results-type
  </probe-results-type>
  <min-delay>
    min-delay
  </min-delay>
  <max-delay>
    max-delay
  </max-delay>
  <avg-delay>
    avg-delay
  </avg-delay>
  <jitter-delay>
    jitter-delay
  </jitter-delay>
  <stddev-delay>
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
  </sum-delay>
  <samples>
    samples
  </samples>
</probe-summary-results>
</probe-test-egress>

```

## Description

### <probe-summary-results>

#### Usage

```

<probe-test-positive-egress-jitter>
  <probe-summary-results>
    <probe-results-type>
      probe-results-type
    </probe-results-type>
    <min-delay>
      min-delay
    </min-delay>
    <max-delay>
      max-delay
    </max-delay>
    <avg-delay>
      avg-delay
    </avg-delay>
    <jitter-delay>
      jitter-delay
    </jitter-delay>
    <stddev-delay>
      stddev-delay
    </stddev-delay>
    <sum-delay>
      sum-delay
  
```

```
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-positive-egress-jitter>
```

#### Description

### <probe-summary-results>

#### Usage

```
<probe-test-negative-egress-jitter>
<probe-summary-results>
  <probe-results-type>
    probe-results-type
  </probe-results-type>
  <min-delay>
    min-delay
  </min-delay>
  <max-delay>
    max-delay
  </max-delay>
  <avg-delay>
    avg-delay
  </avg-delay>
  <jitter-delay>
    jitter-delay
  </jitter-delay>
  <stddev-delay>
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
  </sum-delay>
  <samples>
    samples
  </samples>
</probe-summary-results>
</probe-test-negative-egress-jitter>
```

#### Description

### <probe-summary-results>

#### Usage

```
<probe-test-positive-ingress-jitter>
<probe-summary-results>
  <probe-results-type>
    probe-results-type
  </probe-results-type>
  <min-delay>
    min-delay
  </min-delay>
```

```

    <max-delay>
      max-delay
    </max-delay>
    <avg-delay>
      avg-delay
    </avg-delay>
    <jitter-delay>
      jitter-delay
    </jitter-delay>
    <stddev-delay>
      stddev-delay
    </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-positive-ingress-jitter>

```

## Description

### <probe-summary-results>

#### Usage

```

<probe-test-negative-ingress-jitter>
  <probe-summary-results>
    <probe-results-type>
      probe-results-type
    </probe-results-type>
    <min-delay>
      min-delay
    </min-delay>
    <max-delay>
      max-delay
    </max-delay>
    <avg-delay>
      avg-delay
    </avg-delay>
    <jitter-delay>
      jitter-delay
    </jitter-delay>
    <stddev-delay>
      stddev-delay
    </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-negative-ingress-jitter>

```

**Description****<probe-summary-results>****Usage**

```
<probe-test-positive-round-trip-jitter>
  <probe-summary-results>
    <probe-results-type>
      probe-results-type
    </probe-results-type>
    <min-delay>
      min-delay
    </min-delay>
    <max-delay>
      max-delay
    </max-delay>
    <avg-delay>
      avg-delay
    </avg-delay>
    <jitter-delay>
      jitter-delay
    </jitter-delay>
    <stddev-delay>
      stddev-delay
    </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-positive-round-trip-jitter>
```

**Description****<probe-summary-results>****Usage**

```
<probe-test-negative-round-trip-jitter>
  <probe-summary-results>
    <probe-results-type>
      probe-results-type
    </probe-results-type>
    <min-delay>
      min-delay
    </min-delay>
    <max-delay>
      max-delay
    </max-delay>
    <avg-delay>
      avg-delay
    </avg-delay>
    <jitter-delay>
      jitter-delay
  </probe-summary-results>
</probe-test-negative-round-trip-jitter>
```



```
</jitter-delay>
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-negative-round-trip-jitter>
```

#### Description

### <probe-summary-results>

#### Usage

```
<probe-test-generic-results>
<probe-test-rtt>
  <probe-summary-results>
    <probe-results-type>
      probe-results-type
    </probe-results-type>
    <min-delay>
      min-delay
    </min-delay>
    <max-delay>
      max-delay
    </max-delay>
    <avg-delay>
      avg-delay
    </avg-delay>
    <jitter-delay>
      jitter-delay
    </jitter-delay>
    <stddev-delay>
      stddev-delay
    </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-rtt>
</probe-test-generic-results>
```

#### Description

## <probe-summary-results>

### Usage

```
<probe-test-generic-results>
  <probe-test-egress>
    <probe-summary-results>
      <probe-results-type>
        probe-results-type
      </probe-results-type>
      <min-delay>
        min-delay
      </min-delay>
      <max-delay>
        max-delay
      </max-delay>
      <avg-delay>
        avg-delay
      </avg-delay>
      <jitter-delay>
        jitter-delay
      </jitter-delay>
      <stddev-delay>
        stddev-delay
      </stddev-delay>
      <sum-delay>
        sum-delay
      </sum-delay>
      <samples>
        samples
      </samples>
    </probe-summary-results>
  </probe-test-egress>
</probe-test-generic-results>
```

### Description

## <probe-summary-results>

### Usage

```
<probe-test-generic-results>
  <probe-test-ingress>
    <probe-summary-results>
      <probe-results-type>
        probe-results-type
      </probe-results-type>
      <min-delay>
        min-delay
      </min-delay>
      <max-delay>
        max-delay
      </max-delay>
      <avg-delay>
        avg-delay
      </avg-delay>
```

```

<jitter-delay>
  jitter-delay
</jitter-delay>
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-ingress>
</probe-test-generic-results>

```

### Description

## <probe-summary-results>

### Usage

```

<probe-test-generic-results>
  <probe-test-positive-egress-jitter>
    <probe-summary-results>
      <probe-results-type>
        probe-results-type
      </probe-results-type>
      <min-delay>
        min-delay
      </min-delay>
      <max-delay>
        max-delay
      </max-delay>
      <avg-delay>
        avg-delay
      </avg-delay>
      <jitter-delay>
        jitter-delay
      </jitter-delay>
      <stddev-delay>
        stddev-delay
      </stddev-delay>
      <sum-delay>
        sum-delay
      </sum-delay>
      <samples>
        samples
      </samples>
    </probe-summary-results>
  </probe-test-positive-egress-jitter>
</probe-test-generic-results>

```

### Description

## <probe-summary-results>

### Usage

```
<probe-test-generic-results>
  <probe-test-negative-egress-jitter>
    <probe-summary-results>
      <probe-results-type>
        probe-results-type
      </probe-results-type>
      <min-delay>
        min-delay
      </min-delay>
      <max-delay>
        max-delay
      </max-delay>
      <avg-delay>
        avg-delay
      </avg-delay>
      <jitter-delay>
        jitter-delay
      </jitter-delay>
      <stddev-delay>
        stddev-delay
      </stddev-delay>
      <sum-delay>
        sum-delay
      </sum-delay>
      <samples>
        samples
      </samples>
    </probe-summary-results>
  </probe-test-negative-egress-jitter>
</probe-test-generic-results>
```

### Description

## <probe-summary-results>

### Usage

```
<probe-test-generic-results>
  <probe-test-positive-ingress-jitter>
    <probe-summary-results>
      <probe-results-type>
        probe-results-type
      </probe-results-type>
      <min-delay>
        min-delay
      </min-delay>
      <max-delay>
        max-delay
      </max-delay>
      <avg-delay>
        avg-delay
      </avg-delay>
```

```

<jitter-delay>
  jitter-delay
</jitter-delay>
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-positive-ingress-jitter>
</probe-test-generic-results>

```

### Description

## <probe-summary-results>

### Usage

```

<probe-test-generic-results>
<probe-test-negative-ingress-jitter>
  <probe-summary-results>
    <probe-results-type>
      probe-results-type
    </probe-results-type>
    <min-delay>
      min-delay
    </min-delay>
    <max-delay>
      max-delay
    </max-delay>
    <avg-delay>
      avg-delay
    </avg-delay>
    <jitter-delay>
      jitter-delay
    </jitter-delay>
    <stddev-delay>
      stddev-delay
    </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-negative-ingress-jitter>
</probe-test-generic-results>

```

### Description

## <probe-summary-results>

### Usage

```
<probe-test-generic-results>
  <probe-test-positive-round-trip-jitter>
    <probe-summary-results>
      <probe-results-type>
        probe-results-type
      </probe-results-type>
      <min-delay>
        min-delay
      </min-delay>
      <max-delay>
        max-delay
      </max-delay>
      <avg-delay>
        avg-delay
      </avg-delay>
      <jitter-delay>
        jitter-delay
      </jitter-delay>
      <stddev-delay>
        stddev-delay
      </stddev-delay>
      <sum-delay>
        sum-delay
      </sum-delay>
      <samples>
        samples
      </samples>
    </probe-summary-results>
  </probe-test-positive-round-trip-jitter>
</probe-test-generic-results>
```

### Description

## <probe-summary-results>

### Usage

```
<probe-test-generic-results>
  <probe-test-negative-round-trip-jitter>
    <probe-summary-results>
      <probe-results-type>
        probe-results-type
      </probe-results-type>
      <min-delay>
        min-delay
      </min-delay>
      <max-delay>
        max-delay
      </max-delay>
      <avg-delay>
        avg-delay
      </avg-delay>
```

```

<jitter-delay>
  jitter-delay
</jitter-delay>
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-negative-round-trip-jitter>
</probe-test-generic-results>

```

## Description

### <probe-summary-results>

#### Usage

```

<probe-test-current-results>
<probe-test-generic-results>
  <probe-test-rtt>
    <probe-summary-results>
      <probe-results-type>
        probe-results-type
      </probe-results-type>
      <min-delay>
        min-delay
      </min-delay>
      <max-delay>
        max-delay
      </max-delay>
      <avg-delay>
        avg-delay
      </avg-delay>
      <jitter-delay>
        jitter-delay
      </jitter-delay>
      <stddev-delay>
        stddev-delay
      </stddev-delay>
      <sum-delay>
        sum-delay
      </sum-delay>
      <samples>
        samples
      </samples>
    </probe-summary-results>
  </probe-test-rtt>
</probe-test-generic-results>
</probe-test-current-results>

```

## Description

### <probe-summary-results>

#### Usage

```
<probe-test-current-results>
  <probe-test-generic-results>
    <probe-test-egress>
      <probe-summary-results>
        <probe-results-type>
          probe-results-type
        </probe-results-type>
        <min-delay>
          min-delay
        </min-delay>
        <max-delay>
          max-delay
        </max-delay>
        <avg-delay>
          avg-delay
        </avg-delay>
        <jitter-delay>
          jitter-delay
        </jitter-delay>
        <stddev-delay>
          stddev-delay
        </stddev-delay>
        <sum-delay>
          sum-delay
        </sum-delay>
        <samples>
          samples
        </samples>
      </probe-summary-results>
    </probe-test-egress>
  </probe-test-generic-results>
</probe-test-current-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-test-current-results>
  <probe-test-generic-results>
    <probe-test-ingress>
      <probe-summary-results>
        <probe-results-type>
          probe-results-type
        </probe-results-type>
        <min-delay>
          min-delay
        </min-delay>
        <max-delay>
          max-delay
```



```

</max-delay>
<avg-delay>
  avg-delay
</avg-delay>
<jitter-delay>
  jitter-delay
</jitter-delay>
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-ingress>
</probe-test-generic-results>
</probe-test-current-results>

```

## Description

### <probe-summary-results>

#### Usage

```

<probe-test-current-results>
<probe-test-generic-results>
<probe-test-positive-egress-jitter>
<probe-summary-results>
  <probe-results-type>
    probe-results-type
  </probe-results-type>
  <min-delay>
    min-delay
  </min-delay>
  <max-delay>
    max-delay
  </max-delay>
  <avg-delay>
    avg-delay
  </avg-delay>
  <jitter-delay>
    jitter-delay
  </jitter-delay>
  <stddev-delay>
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
  </sum-delay>
  <samples>
    samples
  </samples>
</probe-summary-results>

```

```
</probe-test-positive-egress-jitter>
</probe-test-generic-results>
</probe-test-current-results>
```

#### Description

### <probe-summary-results>

#### Usage

```
<probe-test-current-results>
<probe-test-generic-results>
  <probe-test-negative-egress-jitter>
    <probe-summary-results>
      <probe-results-type>
        probe-results-type
      </probe-results-type>
      <min-delay>
        min-delay
      </min-delay>
      <max-delay>
        max-delay
      </max-delay>
      <avg-delay>
        avg-delay
      </avg-delay>
      <jitter-delay>
        jitter-delay
      </jitter-delay>
      <stddev-delay>
        stddev-delay
      </stddev-delay>
      <sum-delay>
        sum-delay
      </sum-delay>
      <samples>
        samples
      </samples>
    </probe-summary-results>
  </probe-test-negative-egress-jitter>
</probe-test-generic-results>
</probe-test-current-results>
```

#### Description

### <probe-summary-results>

#### Usage

```
<probe-test-current-results>
<probe-test-generic-results>
  <probe-test-positive-ingress-jitter>
    <probe-summary-results>
      <probe-results-type>
        probe-results-type
      </probe-results-type>
```

```
<min-delay>
  min-delay
</min-delay>
<max-delay>
  max-delay
</max-delay>
<avg-delay>
  avg-delay
</avg-delay>
<jitter-delay>
  jitter-delay
</jitter-delay>
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-positive-ingress-jitter>
</probe-test-generic-results>
</probe-test-current-results>
```

#### Description

### <probe-summary-results>

#### Usage

```
<probe-test-current-results>
<probe-test-generic-results>
<probe-test-negative-ingress-jitter>
<probe-summary-results>
  <probe-results-type>
    probe-results-type
  </probe-results-type>
  <min-delay>
    min-delay
  </min-delay>
  <max-delay>
    max-delay
  </max-delay>
  <avg-delay>
    avg-delay
  </avg-delay>
  <jitter-delay>
    jitter-delay
  </jitter-delay>
  <stddev-delay>
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
```

```
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-negative-ingress-jitter>
</probe-test-generic-results>
</probe-test-current-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-test-current-results>
<probe-test-generic-results>
<probe-test-positive-round-trip-jitter>
  <probe-summary-results>
    <probe-results-type>
      probe-results-type
    </probe-results-type>
    <min-delay>
      min-delay
    </min-delay>
    <max-delay>
      max-delay
    </max-delay>
    <avg-delay>
      avg-delay
    </avg-delay>
    <jitter-delay>
      jitter-delay
    </jitter-delay>
    <stddev-delay>
      stddev-delay
    </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-positive-round-trip-jitter>
</probe-test-generic-results>
</probe-test-current-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-test-current-results>
<probe-test-generic-results>
```

```

<probe-test-negative-round-trip-jitter>
  <probe-summary-results>
    <probe-results-type>
      probe-results-type
    </probe-results-type>
    <min-delay>
      min-delay
    </min-delay>
    <max-delay>
      max-delay
    </max-delay>
    <avg-delay>
      avg-delay
    </avg-delay>
    <jitter-delay>
      jitter-delay
    </jitter-delay>
    <stddev-delay>
      stddev-delay
    </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-negative-round-trip-jitter>
</probe-test-generic-results>
</probe-test-current-results>

```

## Description

### <probe-summary-results>

#### Usage

```

<probe-test-global-results>
<probe-test-generic-results>
  <probe-test-rtt>
    <probe-summary-results>
      <probe-results-type>
        probe-results-type
      </probe-results-type>
      <min-delay>
        min-delay
      </min-delay>
      <max-delay>
        max-delay
      </max-delay>
      <avg-delay>
        avg-delay
      </avg-delay>
      <jitter-delay>
        jitter-delay
      </jitter-delay>
    </probe-summary-results>
  </probe-test-rtt>
</probe-test-generic-results>
</probe-test-global-results>

```

```
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-rtt>
</probe-test-generic-results>
</probe-test-global-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-test-global-results>
<probe-test-generic-results>
<probe-test-egress>
  <probe-summary-results>
    <probe-results-type>
      probe-results-type
    </probe-results-type>
    <min-delay>
      min-delay
    </min-delay>
    <max-delay>
      max-delay
    </max-delay>
    <avg-delay>
      avg-delay
    </avg-delay>
    <jitter-delay>
      jitter-delay
    </jitter-delay>
    <stddev-delay>
      stddev-delay
    </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-egress>
</probe-test-generic-results>
</probe-test-global-results>
```

## Description

**<probe-summary-results>****Usage**

```

<probe-test-global-results>
  <probe-test-generic-results>
    <probe-test-ingress>
      <probe-summary-results>
        <probe-results-type>
          probe-results-type
        </probe-results-type>
        <min-delay>
          min-delay
        </min-delay>
        <max-delay>
          max-delay
        </max-delay>
        <avg-delay>
          avg-delay
        </avg-delay>
        <jitter-delay>
          jitter-delay
        </jitter-delay>
        <stddev-delay>
          stddev-delay
        </stddev-delay>
        <sum-delay>
          sum-delay
        </sum-delay>
        <samples>
          samples
        </samples>
      </probe-summary-results>
    </probe-test-ingress>
  </probe-test-generic-results>
</probe-test-global-results>

```

**Description****<probe-summary-results>****Usage**

```

<probe-test-global-results>
  <probe-test-generic-results>
    <probe-test-positive-egress-jitter>
      <probe-summary-results>
        <probe-results-type>
          probe-results-type
        </probe-results-type>
        <min-delay>
          min-delay
        </min-delay>
        <max-delay>
          max-delay
        </max-delay>
      </probe-summary-results>
    </probe-test-positive-egress-jitter>
  </probe-test-generic-results>
</probe-test-global-results>

```

```
<avg-delay>
  avg-delay
</avg-delay>
<jitter-delay>
  jitter-delay
</jitter-delay>
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-positive-egress-jitter>
</probe-test-generic-results>
</probe-test-global-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-test-global-results>
<probe-test-generic-results>
  <probe-test-negative-egress-jitter>
    <probe-summary-results>
      <probe-results-type>
        probe-results-type
      </probe-results-type>
      <min-delay>
        min-delay
      </min-delay>
      <max-delay>
        max-delay
      </max-delay>
      <avg-delay>
        avg-delay
      </avg-delay>
      <jitter-delay>
        jitter-delay
      </jitter-delay>
      <stddev-delay>
        stddev-delay
      </stddev-delay>
      <sum-delay>
        sum-delay
      </sum-delay>
      <samples>
        samples
      </samples>
    </probe-summary-results>
  </probe-test-negative-egress-jitter>
```



```

    </probe-test-generic-results>
  </probe-test-global-results>

```

### Description

## <probe-summary-results>

### Usage

```

<probe-test-global-results>
  <probe-test-generic-results>
    <probe-test-positive-ingress-jitter>
      <probe-summary-results>
        <probe-results-type>
          probe-results-type
        </probe-results-type>
        <min-delay>
          min-delay
        </min-delay>
        <max-delay>
          max-delay
        </max-delay>
        <avg-delay>
          avg-delay
        </avg-delay>
        <jitter-delay>
          jitter-delay
        </jitter-delay>
        <stddev-delay>
          stddev-delay
        </stddev-delay>
        <sum-delay>
          sum-delay
        </sum-delay>
        <samples>
          samples
        </samples>
      </probe-summary-results>
    </probe-test-positive-ingress-jitter>
  </probe-test-generic-results>
</probe-test-global-results>

```

### Description

## <probe-summary-results>

### Usage

```

<probe-test-global-results>
  <probe-test-generic-results>
    <probe-test-negative-ingress-jitter>
      <probe-summary-results>
        <probe-results-type>
          probe-results-type
        </probe-results-type>
        <min-delay>

```

```
    min-delay
  </min-delay>
  <max-delay>
    max-delay
  </max-delay>
  <avg-delay>
    avg-delay
  </avg-delay>
  <jitter-delay>
    jitter-delay
  </jitter-delay>
  <stddev-delay>
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
  </sum-delay>
  <samples>
    samples
  </samples>
</probe-summary-results>
</probe-test-negative-ingress-jitter>
</probe-test-generic-results>
</probe-test-global-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-test-global-results>
<probe-test-generic-results>
<probe-test-positive-round-trip-jitter>
<probe-summary-results>
  <probe-results-type>
    probe-results-type
  </probe-results-type>
  <min-delay>
    min-delay
  </min-delay>
  <max-delay>
    max-delay
  </max-delay>
  <avg-delay>
    avg-delay
  </avg-delay>
  <jitter-delay>
    jitter-delay
  </jitter-delay>
  <stddev-delay>
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
  </sum-delay>
```

```
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-positive-round-trip-jitter>
</probe-test-generic-results>
</probe-test-global-results>
```

#### Description

### <probe-summary-results>

#### Usage

```
<probe-test-global-results>
<probe-test-generic-results>
<probe-test-negative-round-trip-jitter>
  <probe-summary-results>
    <probe-results-type>
      probe-results-type
    </probe-results-type>
    <min-delay>
      min-delay
    </min-delay>
    <max-delay>
      max-delay
    </max-delay>
    <avg-delay>
      avg-delay
    </avg-delay>
    <jitter-delay>
      jitter-delay
    </jitter-delay>
    <stddev-delay>
      stddev-delay
    </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-negative-round-trip-jitter>
</probe-test-generic-results>
</probe-test-global-results>
```

#### Description

### <probe-summary-results>

#### Usage

```
<probe-test-moving-results>
<probe-test-generic-results>
<probe-test-rtt>
```

```
<probe-summary-results>
  <probe-results-type>
    probe-results-type
  </probe-results-type>
  <min-delay>
    min-delay
  </min-delay>
  <max-delay>
    max-delay
  </max-delay>
  <avg-delay>
    avg-delay
  </avg-delay>
  <jitter-delay>
    jitter-delay
  </jitter-delay>
  <stddev-delay>
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
  </sum-delay>
  <samples>
    samples
  </samples>
</probe-summary-results>
</probe-test-rtt>
</probe-test-generic-results>
</probe-test-moving-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-test-moving-results>
  <probe-test-generic-results>
    <probe-test-egress>
      <probe-summary-results>
        <probe-results-type>
          probe-results-type
        </probe-results-type>
        <min-delay>
          min-delay
        </min-delay>
        <max-delay>
          max-delay
        </max-delay>
        <avg-delay>
          avg-delay
        </avg-delay>
        <jitter-delay>
          jitter-delay
        </jitter-delay>
        <stddev-delay>
```

```

        stddev-delay
      </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-egress>
</probe-test-generic-results>
</probe-test-moving-results>

```

## Description

### <probe-summary-results>

#### Usage

```

<probe-test-moving-results>
<probe-test-generic-results>
<probe-test-ingress>
  <probe-summary-results>
    <probe-results-type>
      probe-results-type
    </probe-results-type>
    <min-delay>
      min-delay
    </min-delay>
    <max-delay>
      max-delay
    </max-delay>
    <avg-delay>
      avg-delay
    </avg-delay>
    <jitter-delay>
      jitter-delay
    </jitter-delay>
    <stddev-delay>
      stddev-delay
    </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-ingress>
</probe-test-generic-results>
</probe-test-moving-results>

```

## Description

## <probe-summary-results>

### Usage

```
<probe-test-moving-results>
  <probe-test-generic-results>
    <probe-test-positive-egress-jitter>
      <probe-summary-results>
        <probe-results-type>
          probe-results-type
        </probe-results-type>
        <min-delay>
          min-delay
        </min-delay>
        <max-delay>
          max-delay
        </max-delay>
        <avg-delay>
          avg-delay
        </avg-delay>
        <jitter-delay>
          jitter-delay
        </jitter-delay>
        <stddev-delay>
          stddev-delay
        </stddev-delay>
        <sum-delay>
          sum-delay
        </sum-delay>
        <samples>
          samples
        </samples>
      </probe-summary-results>
    </probe-test-positive-egress-jitter>
  </probe-test-generic-results>
</probe-test-moving-results>
```

### Description

## <probe-summary-results>

### Usage

```
<probe-test-moving-results>
  <probe-test-generic-results>
    <probe-test-negative-egress-jitter>
      <probe-summary-results>
        <probe-results-type>
          probe-results-type
        </probe-results-type>
        <min-delay>
          min-delay
        </min-delay>
        <max-delay>
          max-delay
        </max-delay>
```

```

    <avg-delay>
      avg-delay
    </avg-delay>
    <jitter-delay>
      jitter-delay
    </jitter-delay>
    <stddev-delay>
      stddev-delay
    </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-negative-egress-jitter>
</probe-test-generic-results>
</probe-test-moving-results>

```

## Description

### <probe-summary-results>

#### Usage

```

<probe-test-moving-results>
  <probe-test-generic-results>
    <probe-test-positive-ingress-jitter>
      <probe-summary-results>
        <probe-results-type>
          probe-results-type
        </probe-results-type>
        <min-delay>
          min-delay
        </min-delay>
        <max-delay>
          max-delay
        </max-delay>
        <avg-delay>
          avg-delay
        </avg-delay>
        <jitter-delay>
          jitter-delay
        </jitter-delay>
        <stddev-delay>
          stddev-delay
        </stddev-delay>
        <sum-delay>
          sum-delay
        </sum-delay>
        <samples>
          samples
        </samples>
      </probe-summary-results>
    </probe-test-positive-ingress-jitter>
  </probe-test-generic-results>
</probe-test-moving-results>

```

```
</probe-test-generic-results>
</probe-test-moving-results>
```

#### Description

### <probe-summary-results>

#### Usage

```
<probe-test-moving-results>
<probe-test-generic-results>
  <probe-test-negative-ingress-jitter>
    <probe-summary-results>
      <probe-results-type>
        probe-results-type
      </probe-results-type>
      <min-delay>
        min-delay
      </min-delay>
      <max-delay>
        max-delay
      </max-delay>
      <avg-delay>
        avg-delay
      </avg-delay>
      <jitter-delay>
        jitter-delay
      </jitter-delay>
      <stddev-delay>
        stddev-delay
      </stddev-delay>
      <sum-delay>
        sum-delay
      </sum-delay>
      <samples>
        samples
      </samples>
    </probe-summary-results>
  </probe-test-negative-ingress-jitter>
</probe-test-generic-results>
</probe-test-moving-results>
```

#### Description

### <probe-summary-results>

#### Usage

```
<probe-test-moving-results>
<probe-test-generic-results>
  <probe-test-positive-round-trip-jitter>
    <probe-summary-results>
      <probe-results-type>
        probe-results-type
      </probe-results-type>
      <min-delay>
```



```

    min-delay
  </min-delay>
  <max-delay>
    max-delay
  </max-delay>
  <avg-delay>
    avg-delay
  </avg-delay>
  <jitter-delay>
    jitter-delay
  </jitter-delay>
  <stddev-delay>
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
  </sum-delay>
  <samples>
    samples
  </samples>
</probe-summary-results>
</probe-test-positive-round-trip-jitter>
</probe-test-generic-results>
</probe-test-moving-results>

```

## Description

### <probe-summary-results>

#### Usage

```

<probe-test-moving-results>
<probe-test-generic-results>
<probe-test-negative-round-trip-jitter>
<probe-summary-results>
  <probe-results-type>
    probe-results-type
  </probe-results-type>
  <min-delay>
    min-delay
  </min-delay>
  <max-delay>
    max-delay
  </max-delay>
  <avg-delay>
    avg-delay
  </avg-delay>
  <jitter-delay>
    jitter-delay
  </jitter-delay>
  <stddev-delay>
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
  </sum-delay>

```

```
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-negative-round-trip-jitter>
</probe-test-generic-results>
</probe-test-moving-results>
```

#### Description

### <probe-summary-results>

#### Usage

```
<probe-last-test-results>
<probe-test-generic-results>
<probe-test-rtt>
  <probe-summary-results>
    <probe-results-type>
      probe-results-type
    </probe-results-type>
    <min-delay>
      min-delay
    </min-delay>
    <max-delay>
      max-delay
    </max-delay>
    <avg-delay>
      avg-delay
    </avg-delay>
    <jitter-delay>
      jitter-delay
    </jitter-delay>
    <stddev-delay>
      stddev-delay
    </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-rtt>
</probe-test-generic-results>
</probe-last-test-results>
```

#### Description

### <probe-summary-results>

#### Usage

```
<probe-last-test-results>
<probe-test-generic-results>
<probe-test-egress>
```

```

<probe-summary-results>
  <probe-results-type>
    probe-results-type
  </probe-results-type>
  <min-delay>
    min-delay
  </min-delay>
  <max-delay>
    max-delay
  </max-delay>
  <avg-delay>
    avg-delay
  </avg-delay>
  <jitter-delay>
    jitter-delay
  </jitter-delay>
  <stddev-delay>
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
  </sum-delay>
  <samples>
    samples
  </samples>
</probe-summary-results>
</probe-test-egress>
</probe-test-generic-results>
</probe-last-test-results>

```

## Description

### <probe-summary-results>

#### Usage

```

<probe-last-test-results>
  <probe-test-generic-results>
    <probe-test-ingress>
      <probe-summary-results>
        <probe-results-type>
          probe-results-type
        </probe-results-type>
        <min-delay>
          min-delay
        </min-delay>
        <max-delay>
          max-delay
        </max-delay>
        <avg-delay>
          avg-delay
        </avg-delay>
        <jitter-delay>
          jitter-delay
        </jitter-delay>
        <stddev-delay>

```

```
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
  </sum-delay>
  <samples>
    samples
  </samples>
</probe-summary-results>
</probe-test-ingress>
</probe-test-generic-results>
</probe-last-test-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-last-test-results>
<probe-test-generic-results>
<probe-test-positive-egress-jitter>
  <probe-summary-results>
    <probe-results-type>
      probe-results-type
    </probe-results-type>
    <min-delay>
      min-delay
    </min-delay>
    <max-delay>
      max-delay
    </max-delay>
    <avg-delay>
      avg-delay
    </avg-delay>
    <jitter-delay>
      jitter-delay
    </jitter-delay>
    <stddev-delay>
      stddev-delay
    </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-positive-egress-jitter>
</probe-test-generic-results>
</probe-last-test-results>
```

## Description

**<probe-summary-results>****Usage**

```

<probe-last-test-results>
  <probe-test-generic-results>
    <probe-test-negative-egress-jitter>
      <probe-summary-results>
        <probe-results-type>
          probe-results-type
        </probe-results-type>
        <min-delay>
          min-delay
        </min-delay>
        <max-delay>
          max-delay
        </max-delay>
        <avg-delay>
          avg-delay
        </avg-delay>
        <jitter-delay>
          jitter-delay
        </jitter-delay>
        <stddev-delay>
          stddev-delay
        </stddev-delay>
        <sum-delay>
          sum-delay
        </sum-delay>
        <samples>
          samples
        </samples>
      </probe-summary-results>
    </probe-test-negative-egress-jitter>
  </probe-test-generic-results>
</probe-last-test-results>

```

**Description****<probe-summary-results>****Usage**

```

<probe-last-test-results>
  <probe-test-generic-results>
    <probe-test-positive-ingress-jitter>
      <probe-summary-results>
        <probe-results-type>
          probe-results-type
        </probe-results-type>
        <min-delay>
          min-delay
        </min-delay>
        <max-delay>
          max-delay
        </max-delay>
      </probe-summary-results>
    </probe-test-positive-ingress-jitter>
  </probe-test-generic-results>
</probe-last-test-results>

```

```
<avg-delay>
  avg-delay
</avg-delay>
<jitter-delay>
  jitter-delay
</jitter-delay>
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-positive-ingress-jitter>
</probe-test-generic-results>
</probe-last-test-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-last-test-results>
<probe-test-generic-results>
<probe-test-negative-ingress-jitter>
  <probe-summary-results>
    <probe-results-type>
      probe-results-type
    </probe-results-type>
    <min-delay>
      min-delay
    </min-delay>
    <max-delay>
      max-delay
    </max-delay>
    <avg-delay>
      avg-delay
    </avg-delay>
    <jitter-delay>
      jitter-delay
    </jitter-delay>
    <stddev-delay>
      stddev-delay
    </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-negative-ingress-jitter>
```

```

    </probe-test-generic-results>
  </probe-last-test-results>

```

### Description

## <probe-summary-results>

### Usage

```

<probe-last-test-results>
  <probe-test-generic-results>
    <probe-test-positive-round-trip-jitter>
      <probe-summary-results>
        <probe-results-type>
          probe-results-type
        </probe-results-type>
        <min-delay>
          min-delay
        </min-delay>
        <max-delay>
          max-delay
        </max-delay>
        <avg-delay>
          avg-delay
        </avg-delay>
        <jitter-delay>
          jitter-delay
        </jitter-delay>
        <stddev-delay>
          stddev-delay
        </stddev-delay>
        <sum-delay>
          sum-delay
        </sum-delay>
        <samples>
          samples
        </samples>
      </probe-summary-results>
    </probe-test-positive-round-trip-jitter>
  </probe-test-generic-results>
</probe-last-test-results>

```

### Description

## <probe-summary-results>

### Usage

```

<probe-last-test-results>
  <probe-test-generic-results>
    <probe-test-negative-round-trip-jitter>
      <probe-summary-results>
        <probe-results-type>
          probe-results-type
        </probe-results-type>
        <min-delay>

```

```
    min-delay
  </min-delay>
  <max-delay>
    max-delay
  </max-delay>
  <avg-delay>
    avg-delay
  </avg-delay>
  <jitter-delay>
    jitter-delay
  </jitter-delay>
  <stddev-delay>
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
  </sum-delay>
  <samples>
    samples
  </samples>
</probe-summary-results>
</probe-test-negative-round-trip-jitter>
</probe-test-generic-results>
</probe-last-test-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-rtt>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
```



```

        sum-delay
      </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-rtt>
</probe-test-generic-results>
</probe-test-current-results>
</probe-test-results>
</probe-results>

```

## Description

### <probe-summary-results>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-egress>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
            <samples>
              samples
            </samples>
          </probe-summary-results>
        </probe-test-egress>
      </probe-test-generic-results>
    </probe-test-current-results>
  </probe-test-results>
</probe-results>

```

**Description****<probe-summary-results>****Usage**

```
<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-ingress>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
            <samples>
              samples
            </samples>
          </probe-summary-results>
        </probe-test-ingress>
      </probe-test-generic-results>
    </probe-test-current-results>
  </probe-test-results>
</probe-results>
```

**Description****<probe-summary-results>****Usage**

```
<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-positive-egress-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
          </probe-summary-results>
        </probe-test-positive-egress-jitter>
      </probe-test-generic-results>
    </probe-test-current-results>
  </probe-test-results>
</probe-results>
```

```

</probe-results-type>
<min-delay>
  min-delay
</min-delay>
<max-delay>
  max-delay
</max-delay>
<avg-delay>
  avg-delay
</avg-delay>
<jitter-delay>
  jitter-delay
</jitter-delay>
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-positive-egress-jitter>
</probe-test-generic-results>
</probe-test-current-results>
</probe-test-results>
</probe-results>

```

## Description

### <probe-summary-results>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-negative-egress-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>

```

```
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-negative-egress-jitter>
</probe-test-generic-results>
</probe-test-current-results>
</probe-test-results>
</probe-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-positive-ingress-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
            <samples>
              samples
            </samples>
          </probe-summary-results>
        </probe-test-positive-ingress-jitter>
      </probe-test-generic-results>
    </probe-test-current-results>
```

```

    </probe-test-results>
  </probe-results>

```

#### Description

### <probe-summary-results>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-negative-ingress-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
            <samples>
              samples
            </samples>
          </probe-summary-results>
        </probe-test-negative-ingress-jitter>
      </probe-test-generic-results>
    </probe-test-current-results>
  </probe-test-results>
</probe-results>

```

#### Description

### <probe-summary-results>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>

```

```
<probe-test-positive-round-trip-jitter>
  <probe-summary-results>
    <probe-results-type>
      probe-results-type
    </probe-results-type>
    <min-delay>
      min-delay
    </min-delay>
    <max-delay>
      max-delay
    </max-delay>
    <avg-delay>
      avg-delay
    </avg-delay>
    <jitter-delay>
      jitter-delay
    </jitter-delay>
    <stddev-delay>
      stddev-delay
    </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-positive-round-trip-jitter>
</probe-test-generic-results>
</probe-test-current-results>
</probe-test-results>
</probe-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-negative-round-trip-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
```

```

</avg-delay>
<jitter-delay>
  jitter-delay
</jitter-delay>
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-negative-round-trip-jitter>
</probe-test-generic-results>
</probe-test-current-results>
</probe-test-results>
</probe-results>

```

## Description

### <probe-summary-results>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probe-test-rtt>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
            <samples>
              samples
            </samples>

```

```
    </probe-summary-results>
  </probe-test-rtt>
</probe-test-generic-results>
</probe-last-test-results>
</probe-test-results>
</probe-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probe-test-egress>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
            <samples>
              samples
            </samples>
          </probe-summary-results>
        </probe-test-egress>
      </probe-test-generic-results>
    </probe-last-test-results>
  </probe-test-results>
</probe-results>
```

## Description



**<probe-summary-results>****Usage**

```

<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probe-test-ingress>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
            <samples>
              samples
            </samples>
          </probe-summary-results>
        </probe-test-ingress>
      </probe-test-generic-results>
    </probe-last-test-results>
  </probe-test-results>
</probe-results>

```

**Description****<probe-summary-results>****Usage**

```

<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probe-test-positive-egress-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>

```

```
<min-delay>
  min-delay
</min-delay>
<max-delay>
  max-delay
</max-delay>
<avg-delay>
  avg-delay
</avg-delay>
<jitter-delay>
  jitter-delay
</jitter-delay>
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-positive-egress-jitter>
</probe-test-generic-results>
</probe-last-test-results>
</probe-test-results>
</probe-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probe-test-negative-egress-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
```

```

        stddev-delay
      </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-negative-egress-jitter>
</probe-test-generic-results>
</probe-last-test-results>
</probe-test-results>
</probe-results>

```

## Description

### <probe-summary-results>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probe-test-positive-ingress-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
            <samples>
              samples
            </samples>
          </probe-summary-results>
        </probe-test-positive-ingress-jitter>
      </probe-test-generic-results>
    </probe-last-test-results>
  </probe-test-results>

```

</probe-results>

#### Description

<probe-summary-results>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probe-test-negative-ingress-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
            <samples>
              samples
            </samples>
          </probe-summary-results>
        </probe-test-negative-ingress-jitter>
      </probe-test-generic-results>
    </probe-last-test-results>
  </probe-test-results>
</probe-results>
```

#### Description

<probe-summary-results>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probe-test-positive-round-trip-jitter>
```

```

<probe-summary-results>
  <probe-results-type>
    probe-results-type
  </probe-results-type>
  <min-delay>
    min-delay
  </min-delay>
  <max-delay>
    max-delay
  </max-delay>
  <avg-delay>
    avg-delay
  </avg-delay>
  <jitter-delay>
    jitter-delay
  </jitter-delay>
  <stddev-delay>
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
  </sum-delay>
  <samples>
    samples
  </samples>
</probe-summary-results>
</probe-test-positive-round-trip-jitter>
</probe-test-generic-results>
</probe-last-test-results>
</probe-test-results>
</probe-results>

```

## Description

### <probe-summary-results>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probe-test-negative-round-trip-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>

```

```
<jitter-delay>
  jitter-delay
</jitter-delay>
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-negative-round-trip-jitter>
</probe-test-generic-results>
</probe-last-test-results>
</probe-test-results>
</probe-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-moving-results>
      <probe-test-generic-results>
        <probe-test-rtt>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
            <samples>
              samples
            </samples>
          </probe-summary-results>
```

```

    </probe-test-rtt>
  </probe-test-generic-results>
</probe-test-moving-results>
</probe-test-results>
</probe-results>

```

## Description

### <probe-summary-results>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-test-moving-results>
      <probe-test-generic-results>
        <probe-test-egress>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
            <samples>
              samples
            </samples>
          </probe-summary-results>
        </probe-test-egress>
      </probe-test-generic-results>
    </probe-test-moving-results>
  </probe-test-results>
</probe-results>

```

## Description

### <probe-summary-results>

#### Usage

```

<probe-results>

```

```
<probe-test-results>
  <probe-test-moving-results>
    <probe-test-generic-results>
      <probe-test-ingress>
        <probe-summary-results>
          <probe-results-type>
            probe-results-type
          </probe-results-type>
          <min-delay>
            min-delay
          </min-delay>
          <max-delay>
            max-delay
          </max-delay>
          <avg-delay>
            avg-delay
          </avg-delay>
          <jitter-delay>
            jitter-delay
          </jitter-delay>
          <stddev-delay>
            stddev-delay
          </stddev-delay>
          <sum-delay>
            sum-delay
          </sum-delay>
          <samples>
            samples
          </samples>
        </probe-summary-results>
      </probe-test-ingress>
    </probe-test-generic-results>
  </probe-test-moving-results>
</probe-test-results>
</probe-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-moving-results>
      <probe-test-generic-results>
        <probe-test-positive-egress-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
```



```

</max-delay>
<avg-delay>
  avg-delay
</avg-delay>
<jitter-delay>
  jitter-delay
</jitter-delay>
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-positive-egress-jitter>
</probe-test-generic-results>
</probe-test-moving-results>
</probe-test-results>
</probe-results>

```

## Description

### <probe-summary-results>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-test-moving-results>
      <probe-test-generic-results>
        <probe-test-negative-egress-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
          </probe-summary-results>
        </probe-test-negative-egress-jitter>
      </probe-test-generic-results>
    </probe-test-moving-results>
  </probe-test-results>
</probe-results>

```

```
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-negative-egress-jitter>
</probe-test-generic-results>
</probe-test-moving-results>
</probe-test-results>
</probe-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-results>
<probe-test-results>
<probe-test-moving-results>
<probe-test-generic-results>
<probe-test-positive-ingress-jitter>
<probe-summary-results>
  <probe-results-type>
    probe-results-type
  </probe-results-type>
  <min-delay>
    min-delay
  </min-delay>
  <max-delay>
    max-delay
  </max-delay>
  <avg-delay>
    avg-delay
  </avg-delay>
  <jitter-delay>
    jitter-delay
  </jitter-delay>
  <stddev-delay>
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
  </sum-delay>
  <samples>
    samples
  </samples>
</probe-summary-results>
</probe-test-positive-ingress-jitter>
</probe-test-generic-results>
</probe-test-moving-results>
</probe-test-results>
</probe-results>
```

## Description

**<probe-summary-results>****Usage**

```

<probe-results>
  <probe-test-results>
    <probe-test-moving-results>
      <probe-test-generic-results>
        <probe-test-negative-ingress-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
            <samples>
              samples
            </samples>
          </probe-summary-results>
        </probe-test-negative-ingress-jitter>
      </probe-test-generic-results>
    </probe-test-moving-results>
  </probe-test-results>
</probe-results>

```

**Description****<probe-summary-results>****Usage**

```

<probe-results>
  <probe-test-results>
    <probe-test-moving-results>
      <probe-test-generic-results>
        <probe-test-positive-round-trip-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>

```

```
<min-delay>
  min-delay
</min-delay>
<max-delay>
  max-delay
</max-delay>
<avg-delay>
  avg-delay
</avg-delay>
<jitter-delay>
  jitter-delay
</jitter-delay>
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-positive-round-trip-jitter>
</probe-test-generic-results>
</probe-test-moving-results>
</probe-test-results>
</probe-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-moving-results>
      <probe-test-generic-results>
        <probe-test-negative-round-trip-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
```

```

        stddev-delay
      </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-negative-round-trip-jitter>
</probe-test-generic-results>
</probe-test-moving-results>
</probe-test-results>
</probe-results>

```

## Description

### <probe-summary-results>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-test-global-results>
      <probe-test-generic-results>
        <probe-test-rtt>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
            <samples>
              samples
            </samples>
          </probe-summary-results>
        </probe-test-rtt>
      </probe-test-generic-results>
    </probe-test-global-results>
  </probe-test-results>

```

</probe-results>

#### Description

<probe-summary-results>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-global-results>
      <probe-test-generic-results>
        <probe-test-egress>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
            <samples>
              samples
            </samples>
          </probe-summary-results>
        </probe-test-egress>
      </probe-test-generic-results>
    </probe-test-global-results>
  </probe-test-results>
</probe-results>
```

#### Description

<probe-summary-results>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-global-results>
      <probe-test-generic-results>
        <probe-test-ingress>
```

```

<probe-summary-results>
  <probe-results-type>
    probe-results-type
  </probe-results-type>
  <min-delay>
    min-delay
  </min-delay>
  <max-delay>
    max-delay
  </max-delay>
  <avg-delay>
    avg-delay
  </avg-delay>
  <jitter-delay>
    jitter-delay
  </jitter-delay>
  <stddev-delay>
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
  </sum-delay>
  <samples>
    samples
  </samples>
</probe-summary-results>
</probe-test-ingress>
</probe-test-generic-results>
</probe-test-global-results>
</probe-test-results>
</probe-results>

```

## Description

<probe-summary-results>

## Usage

```

<probe-results>
  <probe-test-results>
    <probe-test-global-results>
      <probe-test-generic-results>
        <probe-test-positive-egress-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>

```

```
<jitter-delay>
  jitter-delay
</jitter-delay>
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-positive-egress-jitter>
</probe-test-generic-results>
</probe-test-global-results>
</probe-test-results>
</probe-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-results>
<probe-test-results>
<probe-test-global-results>
<probe-test-generic-results>
<probe-test-negative-egress-jitter>
<probe-summary-results>
  <probe-results-type>
    probe-results-type
  </probe-results-type>
  <min-delay>
    min-delay
  </min-delay>
  <max-delay>
    max-delay
  </max-delay>
  <avg-delay>
    avg-delay
  </avg-delay>
  <jitter-delay>
    jitter-delay
  </jitter-delay>
  <stddev-delay>
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
  </sum-delay>
  <samples>
    samples
  </samples>
</probe-summary-results>
```



```

        </probe-test-negative-egress-jitter>
      </probe-test-generic-results>
    </probe-test-global-results>
  </probe-test-results>
</probe-results>

```

#### Description

### <probe-summary-results>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-test-global-results>
      <probe-test-generic-results>
        <probe-test-positive-ingress-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
            <samples>
              samples
            </samples>
          </probe-summary-results>
        </probe-test-positive-ingress-jitter>
      </probe-test-generic-results>
    </probe-test-global-results>
  </probe-test-results>
</probe-results>

```

#### Description

### <probe-summary-results>

#### Usage

```

<probe-results>

```

```
<probe-test-results>
  <probe-test-global-results>
    <probe-test-generic-results>
      <probe-test-negative-ingress-jitter>
        <probe-summary-results>
          <probe-results-type>
            probe-results-type
          </probe-results-type>
          <min-delay>
            min-delay
          </min-delay>
          <max-delay>
            max-delay
          </max-delay>
          <avg-delay>
            avg-delay
          </avg-delay>
          <jitter-delay>
            jitter-delay
          </jitter-delay>
          <stddev-delay>
            stddev-delay
          </stddev-delay>
          <sum-delay>
            sum-delay
          </sum-delay>
          <samples>
            samples
          </samples>
        </probe-summary-results>
      </probe-test-negative-ingress-jitter>
    </probe-test-generic-results>
  </probe-test-global-results>
</probe-test-results>
</probe-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-global-results>
      <probe-test-generic-results>
        <probe-test-positive-round-trip-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
```

```

</max-delay>
<avg-delay>
  avg-delay
</avg-delay>
<jitter-delay>
  jitter-delay
</jitter-delay>
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-positive-round-trip-jitter>
</probe-test-generic-results>
</probe-test-global-results>
</probe-test-results>
</probe-results>

```

## Description

### <probe-summary-results>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-test-global-results>
      <probe-test-generic-results>
        <probe-test-negative-round-trip-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
          </probe-summary-results>
        </probe-test-generic-results>
      </probe-test-global-results>
    </probe-test-results>
  </probe-test-negative-round-trip-jitter>
  </probe-test-generic-results>
  </probe-test-global-results>
  </probe-test-results>
</probe-results>

```

```
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-negative-round-trip-jitter>
</probe-test-generic-results>
</probe-test-global-results>
</probe-test-results>
</probe-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<history-results>
  <history-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-rtt>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
            <samples>
              samples
            </samples>
          </probe-summary-results>
        </probe-test-rtt>
      </probe-test-generic-results>
    </probe-test-current-results>
  </history-test-results>
</history-results>
```

## Description

**<probe-summary-results>****Usage**

```

<history-results>
  <history-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-egress>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
            <samples>
              samples
            </samples>
          </probe-summary-results>
        </probe-test-egress>
      </probe-test-generic-results>
    </probe-test-current-results>
  </history-test-results>
</history-results>

```

**Description****<probe-summary-results>****Usage**

```

<history-results>
  <history-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-ingress>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>

```

```
<min-delay>
  min-delay
</min-delay>
<max-delay>
  max-delay
</max-delay>
<avg-delay>
  avg-delay
</avg-delay>
<jitter-delay>
  jitter-delay
</jitter-delay>
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-ingress>
</probe-test-generic-results>
</probe-test-current-results>
</history-test-results>
</history-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<history-results>
  <history-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-positive-egress-jitter>
          <probe-summary-results>
            <probe-results-type>
              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
```

```

        stddev-delay
      </stddev-delay>
    <sum-delay>
      sum-delay
    </sum-delay>
    <samples>
      samples
    </samples>
  </probe-summary-results>
</probe-test-positive-egress-jitter>
</probe-test-generic-results>
</probe-test-current-results>
</history-test-results>
</history-results>

```

## Description

### <probe-summary-results>

#### Usage

```

<history-results>
  <history-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-negative-egress-jitter>
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            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
            <samples>
              samples
            </samples>
          </probe-summary-results>
        </probe-test-negative-egress-jitter>
      </probe-test-generic-results>
    </probe-test-current-results>
  </history-test-results>

```

</history-results>

#### Description

<probe-summary-results>

#### Usage

```
<history-results>
  <history-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-positive-ingress-jitter>
          <probe-summary-results>
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              probe-results-type
            </probe-results-type>
            <min-delay>
              min-delay
            </min-delay>
            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
            <jitter-delay>
              jitter-delay
            </jitter-delay>
            <stddev-delay>
              stddev-delay
            </stddev-delay>
            <sum-delay>
              sum-delay
            </sum-delay>
            <samples>
              samples
            </samples>
          </probe-summary-results>
        </probe-test-positive-ingress-jitter>
      </probe-test-generic-results>
    </probe-test-current-results>
  </history-test-results>
</history-results>
```

#### Description

<probe-summary-results>

#### Usage

```
<history-results>
  <history-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-negative-ingress-jitter>
```



```

<probe-summary-results>
  <probe-results-type>
    probe-results-type
  </probe-results-type>
  <min-delay>
    min-delay
  </min-delay>
  <max-delay>
    max-delay
  </max-delay>
  <avg-delay>
    avg-delay
  </avg-delay>
  <jitter-delay>
    jitter-delay
  </jitter-delay>
  <stddev-delay>
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
  </sum-delay>
  <samples>
    samples
  </samples>
</probe-summary-results>
</probe-test-negative-ingress-jitter>
</probe-test-generic-results>
</probe-test-current-results>
</history-test-results>
</history-results>

```

## Description

### <probe-summary-results>

#### Usage

```

<history-results>
  <history-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-positive-round-trip-jitter>
          <probe-summary-results>
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            <max-delay>
              max-delay
            </max-delay>
            <avg-delay>
              avg-delay
            </avg-delay>
          </probe-summary-results>
        </probe-test-positive-round-trip-jitter>
      </probe-test-generic-results>
    </probe-test-current-results>
  </history-test-results>
</history-results>

```

```
<jitter-delay>
  jitter-delay
</jitter-delay>
<stddev-delay>
  stddev-delay
</stddev-delay>
<sum-delay>
  sum-delay
</sum-delay>
<samples>
  samples
</samples>
</probe-summary-results>
</probe-test-positive-round-trip-jitter>
</probe-test-generic-results>
</probe-test-current-results>
</history-test-results>
</history-results>
```

## Description

### <probe-summary-results>

#### Usage

```
<history-results>
<history-test-results>
<probe-test-current-results>
<probe-test-generic-results>
<probe-test-negative-round-trip-jitter>
<probe-summary-results>
  <probe-results-type>
    probe-results-type
  </probe-results-type>
  <min-delay>
    min-delay
  </min-delay>
  <max-delay>
    max-delay
  </max-delay>
  <avg-delay>
    avg-delay
  </avg-delay>
  <jitter-delay>
    jitter-delay
  </jitter-delay>
  <stddev-delay>
    stddev-delay
  </stddev-delay>
  <sum-delay>
    sum-delay
  </sum-delay>
  <samples>
    samples
  </samples>
</probe-summary-results>
```

```
        </probe-test-negative-round-trip-jitter>
    </probe-test-generic-results>
</probe-test-current-results>
</history-test-results>
</history-results>
```

#### Description

### <probe-test-current-results>

#### Usage

```
<probe-test-current-results>
  <probe-test-generic-results>....</probe-test-generic-results>
</probe-test-current-results>
```

#### Description

### <probe-test-current-results>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>....</probe-test-generic-results>
    </probe-test-current-results>
  </probe-test-results>
</probe-results>
```

#### Description

### <probe-test-current-results>

#### Usage

```
<history-results>
  <history-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>....</probe-test-generic-results>
    </probe-test-current-results>
  </history-test-results>
</history-results>
```

#### Description

### <probe-test-egress>

#### Usage

```
<probe-test-egress>
  <probe-summary-results>....</probe-summary-results>
</probe-test-egress>
```

#### Description

## <probe-test-egress>

### Usage

```
<probe-test-generic-results>  
  <probe-test-egress>  
    <probe-summary-results>....</probe-summary-results>  
  </probe-test-egress>  
</probe-test-generic-results>
```

### Description

## <probe-test-egress>

### Usage

```
<probe-test-current-results>  
  <probe-test-generic-results>  
    <probe-test-egress>  
      <probe-summary-results>....</probe-summary-results>  
    </probe-test-egress>  
  </probe-test-generic-results>  
</probe-test-current-results>
```

### Description

## <probe-test-egress>

### Usage

```
<probe-test-global-results>  
  <probe-test-generic-results>  
    <probe-test-egress>  
      <probe-summary-results>....</probe-summary-results>  
    </probe-test-egress>  
  </probe-test-generic-results>  
</probe-test-global-results>
```

### Description

## <probe-test-egress>

### Usage

```
<probe-test-moving-results>  
  <probe-test-generic-results>  
    <probe-test-egress>  
      <probe-summary-results>....</probe-summary-results>  
    </probe-test-egress>  
  </probe-test-generic-results>  
</probe-test-moving-results>
```

### Description

**<probe-test-egress>****Usage**

```

<probe-last-test-results>
  <probe-test-generic-results>
    <probe-test-egress>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-egress>
  </probe-test-generic-results>
</probe-last-test-results>

```

**Description****<probe-test-egress>****Usage**

```

<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-egress>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-egress>
      </probe-test-generic-results>
    </probe-test-current-results>
  </probe-test-results>
</probe-results>

```

**Description****<probe-test-egress>****Usage**

```

<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probe-test-egress>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-egress>
      </probe-test-generic-results>
    </probe-last-test-results>
  </probe-test-results>
</probe-results>

```

**Description****<probe-test-egress>****Usage**

```

<probe-results>
  <probe-test-results>

```

```
<probe-test-moving-results>
  <probe-test-generic-results>
    <probe-test-egress>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-egress>
  </probe-test-generic-results>
</probe-test-moving-results>
</probe-test-results>
</probe-results>
```

#### Description

### <probe-test-egress>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-global-results>
      <probe-test-generic-results>
        <probe-test-egress>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-egress>
      </probe-test-generic-results>
    </probe-test-global-results>
  </probe-test-results>
</probe-results>
```

#### Description

### <probe-test-egress>

#### Usage

```
<history-results>
  <history-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-egress>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-egress>
      </probe-test-generic-results>
    </probe-test-current-results>
  </history-test-results>
</history-results>
```

#### Description

### <probe-test-generic-results>

#### Usage

```
<probe-test-generic-results>
  <probes-sent>
    probes-sent
  </probes-sent>
```

```

<probe-responses>
  probe-responses
</probe-responses>
<loss-percentage>
  loss-percentage
</loss-percentage>
<results-scope>
  results-scope
</results-scope>
<probe-last-test-info>....</probe-last-test-info>
<probe-test-rtt>....</probe-test-rtt>
<probe-test-egress>....</probe-test-egress>
<probe-test-ingress>....</probe-test-ingress>
<probe-test-positive-egress-jitter>....</probe-test-positive-egress-jitter>
<probe-test-negative-egress-jitter>....</probe-test-negative-egress-jitter>
<probe-test-positive-ingress-jitter>....</probe-test-positive-ingress-jitter>
<probe-test-negative-ingress-jitter>....</probe-test-negative-ingress-jitter>
<probe-test-positive-round-trip-jitter>....</probe-test-positive-round-trip-jitter>
<probe-test-negative-round-trip-jitter>....</probe-test-negative-round-trip-jitter>

</probe-test-generic-results>

```

## Description

### <probe-test-generic-results>

#### Usage

```

<probe-test-current-results>
<probe-test-generic-results>
  <probes-sent>
    probes-sent
  </probes-sent>
  <probe-responses>
    probe-responses
  </probe-responses>
  <loss-percentage>
    loss-percentage
  </loss-percentage>
  <results-scope>
    results-scope
  </results-scope>
  <probe-last-test-info>....</probe-last-test-info>
  <probe-test-rtt>....</probe-test-rtt>
  <probe-test-egress>....</probe-test-egress>
  <probe-test-ingress>....</probe-test-ingress>
  <probe-test-positive-egress-jitter>....</probe-test-positive-egress-jitter>
  <probe-test-negative-egress-jitter>....</probe-test-negative-egress-jitter>
  <probe-test-positive-ingress-jitter>....</probe-test-positive-ingress-jitter>
  <probe-test-negative-ingress-jitter>....</probe-test-negative-ingress-jitter>
  <probe-test-positive-round-trip-jitter>....</probe-test-positive-round-trip-jitter>

  <probe-test-negative-round-trip-jitter>....</probe-test-negative-round-trip-jitter>

</probe-test-generic-results>

```

</probe-test-current-results>

#### Description

### <probe-test-generic-results>

#### Usage

```
<probe-test-global-results>
  <probe-test-generic-results>
    <probes-sent>
      probes-sent
    </probes-sent>
    <probe-responses>
      probe-responses
    </probe-responses>
    <loss-percentage>
      loss-percentage
    </loss-percentage>
    <results-scope>
      results-scope
    </results-scope>
    <probe-last-test-info>....</probe-last-test-info>
    <probe-test-rtt>....</probe-test-rtt>
    <probe-test-egress>....</probe-test-egress>
    <probe-test-ingress>....</probe-test-ingress>
    <probe-test-positive-egress-jitter>....</probe-test-positive-egress-jitter>
    <probe-test-negative-egress-jitter>....</probe-test-negative-egress-jitter>
    <probe-test-positive-ingress-jitter>....</probe-test-positive-ingress-jitter>
    <probe-test-negative-ingress-jitter>....</probe-test-negative-ingress-jitter>
    <probe-test-positive-round-trip-jitter>....</probe-test-positive-round-trip-jitter>

    <probe-test-negative-round-trip-jitter>....</probe-test-negative-round-trip-jitter>

  </probe-test-generic-results>
</probe-test-global-results>
```

#### Description

### <probe-test-generic-results>

#### Usage

```
<probe-test-moving-results>
  <probe-test-generic-results>
    <probes-sent>
      probes-sent
    </probes-sent>
    <probe-responses>
      probe-responses
    </probe-responses>
    <loss-percentage>
      loss-percentage
    </loss-percentage>
    <results-scope>
      results-scope
```



```

</results-scope>
<probe-last-test-info>....</probe-last-test-info>
<probe-test-rtt>....</probe-test-rtt>
<probe-test-egress>....</probe-test-egress>
<probe-test-ingress>....</probe-test-ingress>
<probe-test-positive-egress-jitter>....</probe-test-positive-egress-jitter>
<probe-test-negative-egress-jitter>....</probe-test-negative-egress-jitter>
<probe-test-positive-ingress-jitter>....</probe-test-positive-ingress-jitter>
<probe-test-negative-ingress-jitter>....</probe-test-negative-ingress-jitter>
<probe-test-positive-round-trip-jitter>....</probe-test-positive-round-trip-jitter>

<probe-test-negative-round-trip-jitter>....</probe-test-negative-round-trip-jitter>

</probe-test-generic-results>
</probe-test-moving-results>

```

## Description

### <probe-test-generic-results>

#### Usage

```

<probe-last-test-results>
<probe-test-generic-results>
  <probes-sent>
    probes-sent
  </probes-sent>
  <probe-responses>
    probe-responses
  </probe-responses>
  <loss-percentage>
    loss-percentage
  </loss-percentage>
  <results-scope>
    results-scope
  </results-scope>
  <probe-last-test-info>....</probe-last-test-info>
  <probe-test-rtt>....</probe-test-rtt>
  <probe-test-egress>....</probe-test-egress>
  <probe-test-ingress>....</probe-test-ingress>
  <probe-test-positive-egress-jitter>....</probe-test-positive-egress-jitter>
  <probe-test-negative-egress-jitter>....</probe-test-negative-egress-jitter>
  <probe-test-positive-ingress-jitter>....</probe-test-positive-ingress-jitter>
  <probe-test-negative-ingress-jitter>....</probe-test-negative-ingress-jitter>
  <probe-test-positive-round-trip-jitter>....</probe-test-positive-round-trip-jitter>

  <probe-test-negative-round-trip-jitter>....</probe-test-negative-round-trip-jitter>

</probe-test-generic-results>
</probe-last-test-results>

```

## Description

## <probe-test-generic-results>

### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probes-sent>
          probes-sent
        </probes-sent>
        <probe-responses>
          probe-responses
        </probe-responses>
        <loss-percentage>
          loss-percentage
        </loss-percentage>
        <results-scope>
          results-scope
        </results-scope>
        <probe-last-test-info>....</probe-last-test-info>
        <probe-test-rtt>....</probe-test-rtt>
        <probe-test-egress>....</probe-test-egress>
        <probe-test-ingress>....</probe-test-ingress>
        <probe-test-positive-egress-jitter>....</probe-test-positive-egress-jitter>
        <probe-test-negative-egress-jitter>....</probe-test-negative-egress-jitter>
        <probe-test-positive-ingress-jitter>....</probe-test-positive-ingress-jitter>
        <probe-test-negative-ingress-jitter>....</probe-test-negative-ingress-jitter>
        <probe-test-positive-round-trip-jitter>....</probe-test-positive-round-trip-jitter>
        <probe-test-negative-round-trip-jitter>....</probe-test-negative-round-trip-jitter>
      </probe-test-generic-results>
    </probe-test-current-results>
  </probe-test-results>
</probe-results>
```

### Description

## <probe-test-generic-results>

### Usage

```
<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probes-sent>
          probes-sent
        </probes-sent>
        <probe-responses>
          probe-responses
        </probe-responses>
        <loss-percentage>
          loss-percentage
        </loss-percentage>
```

```

<results-scope>
  results-scope
</results-scope>
<probe-last-test-info>....</probe-last-test-info>
<probe-test-rtt>....</probe-test-rtt>
<probe-test-egress>....</probe-test-egress>
<probe-test-ingress>....</probe-test-ingress>
<probe-test-positive-egress-jitter>....</probe-test-positive-egress-jitter>
<probe-test-negative-egress-jitter>....</probe-test-negative-egress-jitter>
<probe-test-positive-ingress-jitter>....</probe-test-positive-ingress-jitter>
<probe-test-negative-ingress-jitter>....</probe-test-negative-ingress-jitter>
<probe-test-positive-round-trip-jitter>....</probe-test-positive-round-trip-jitter>

```

```

<probe-test-negative-round-trip-jitter>....</probe-test-negative-round-trip-jitter>
  </probe-test-generic-results>
</probe-last-test-results>
</probe-test-results>
</probe-results>

```

## Description

### <probe-test-generic-results>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-test-moving-results>
      <probe-test-generic-results>
        <probes-sent>
          probes-sent
        </probes-sent>
        <probe-responses>
          probe-responses
        </probe-responses>
        <loss-percentage>
          loss-percentage
        </loss-percentage>
        <results-scope>
          results-scope
        </results-scope>
        <probe-last-test-info>....</probe-last-test-info>
        <probe-test-rtt>....</probe-test-rtt>
        <probe-test-egress>....</probe-test-egress>
        <probe-test-ingress>....</probe-test-ingress>
        <probe-test-positive-egress-jitter>....</probe-test-positive-egress-jitter>
        <probe-test-negative-egress-jitter>....</probe-test-negative-egress-jitter>
        <probe-test-positive-ingress-jitter>....</probe-test-positive-ingress-jitter>
        <probe-test-negative-ingress-jitter>....</probe-test-negative-ingress-jitter>
        <probe-test-positive-round-trip-jitter>....</probe-test-positive-round-trip-jitter>

```

```

<probe-test-negative-round-trip-jitter>....</probe-test-negative-round-trip-jitter>
  </probe-test-generic-results>
</probe-test-moving-results>

```

```
</probe-test-results>
</probe-results>
```

#### Description

### <probe-test-generic-results>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-global-results>
      <probe-test-generic-results>
        <probes-sent>
          probes-sent
        </probes-sent>
        <probe-responses>
          probe-responses
        </probe-responses>
        <loss-percentage>
          loss-percentage
        </loss-percentage>
        <results-scope>
          results-scope
        </results-scope>
        <probe-last-test-info>....</probe-last-test-info>
        <probe-test-rtt>....</probe-test-rtt>
        <probe-test-egress>....</probe-test-egress>
        <probe-test-ingress>....</probe-test-ingress>
        <probe-test-positive-egress-jitter>....</probe-test-positive-egress-jitter>
        <probe-test-negative-egress-jitter>....</probe-test-negative-egress-jitter>
        <probe-test-positive-ingress-jitter>....</probe-test-positive-ingress-jitter>
        <probe-test-negative-ingress-jitter>....</probe-test-negative-ingress-jitter>
        <probe-test-positive-round-trip-jitter>....</probe-test-positive-round-trip-jitter>
      </probe-test-generic-results>
    </probe-test-global-results>
  </probe-test-results>
</probe-results>

<probe-test-negative-round-trip-jitter>....</probe-test-negative-round-trip-jitter>
</probe-test-generic-results>
</probe-test-global-results>
</probe-test-results>
</probe-results>
```

#### Description

### <probe-test-generic-results>

#### Usage

```
<history-results>
  <history-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probes-sent>
          probes-sent
        </probes-sent>
        <probe-responses>
```

```

    probe-responses
  </probe-responses>
  <loss-percentage>
    loss-percentage
  </loss-percentage>
  <results-scope>
    results-scope
  </results-scope>
  <probe-last-test-info>....</probe-last-test-info>
  <probe-test-rtt>....</probe-test-rtt>
  <probe-test-egress>....</probe-test-egress>
  <probe-test-ingress>....</probe-test-ingress>
  <probe-test-positive-egress-jitter>....</probe-test-positive-egress-jitter>
  <probe-test-negative-egress-jitter>....</probe-test-negative-egress-jitter>
  <probe-test-positive-ingress-jitter>....</probe-test-positive-ingress-jitter>
  <probe-test-negative-ingress-jitter>....</probe-test-negative-ingress-jitter>
  <probe-test-positive-round-trip-jitter>....</probe-test-positive-round-trip-jitter>

```

```

<probe-test-negative-round-trip-jitter>....</probe-test-negative-round-trip-jitter>
  </probe-test-generic-results>
</probe-test-current-results>
</history-test-results>
</history-results>

```

#### Description

### <probe-test-global-results>

#### Usage

```

<probe-test-global-results>
  <probe-test-generic-results>....</probe-test-generic-results>
</probe-test-global-results>

```

#### Description

### <probe-test-global-results>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-test-global-results>
      <probe-test-generic-results>....</probe-test-generic-results>
    </probe-test-global-results>
  </probe-test-results>
</probe-results>

```

#### Description

### <probe-test-ingress>

#### Usage

```

<probe-test-ingress>

```

```
<probe-summary-results>....</probe-summary-results>
</probe-test-ingress>
```

**Description****<probe-test-ingress>****Usage**

```
<probe-test-generic-results>
  <probe-test-ingress>
    <probe-summary-results>....</probe-summary-results>
  </probe-test-ingress>
</probe-test-generic-results>
```

**Description****<probe-test-ingress>****Usage**

```
<probe-test-current-results>
  <probe-test-generic-results>
    <probe-test-ingress>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-ingress>
  </probe-test-generic-results>
</probe-test-current-results>
```

**Description****<probe-test-ingress>****Usage**

```
<probe-test-global-results>
  <probe-test-generic-results>
    <probe-test-ingress>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-ingress>
  </probe-test-generic-results>
</probe-test-global-results>
```

**Description****<probe-test-ingress>****Usage**

```
<probe-test-moving-results>
  <probe-test-generic-results>
    <probe-test-ingress>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-ingress>
  </probe-test-generic-results>
```

```
</probe-test-moving-results>
```

#### Description

```
<probe-test-ingress>
```

#### Usage

```
<probe-last-test-results>
  <probe-test-generic-results>
    <probe-test-ingress>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-ingress>
  </probe-test-generic-results>
</probe-last-test-results>
```

#### Description

```
<probe-test-ingress>
```

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-ingress>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-ingress>
      </probe-test-generic-results>
    </probe-test-current-results>
  </probe-test-results>
</probe-results>
```

#### Description

```
<probe-test-ingress>
```

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probe-test-ingress>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-ingress>
      </probe-test-generic-results>
    </probe-last-test-results>
  </probe-test-results>
</probe-results>
```

#### Description

## <probe-test-ingress>

### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-moving-results>
      <probe-test-generic-results>
        <probe-test-ingress>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-ingress>
      </probe-test-generic-results>
    </probe-test-moving-results>
  </probe-test-results>
</probe-results>
```

### Description

## <probe-test-ingress>

### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-global-results>
      <probe-test-generic-results>
        <probe-test-ingress>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-ingress>
      </probe-test-generic-results>
    </probe-test-global-results>
  </probe-test-results>
</probe-results>
```

### Description

## <probe-test-ingress>

### Usage

```
<history-results>
  <history-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-ingress>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-ingress>
      </probe-test-generic-results>
    </probe-test-current-results>
  </history-test-results>
</history-results>
```

### Description



### <probe-test-moving-results>

#### Usage

```
<probe-test-moving-results>
  <probe-test-generic-results>....</probe-test-generic-results>
</probe-test-moving-results>
```

#### Description

### <probe-test-moving-results>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-moving-results>
      <probe-test-generic-results>....</probe-test-generic-results>
    </probe-test-moving-results>
  </probe-test-results>
</probe-results>
```

#### Description

### <probe-test-negative-egress-jitter>

#### Usage

```
<probe-test-negative-egress-jitter>
  <probe-summary-results>....</probe-summary-results>
</probe-test-negative-egress-jitter>
```

#### Description

### <probe-test-negative-egress-jitter>

#### Usage

```
<probe-test-generic-results>
  <probe-test-negative-egress-jitter>
    <probe-summary-results>....</probe-summary-results>
  </probe-test-negative-egress-jitter>
</probe-test-generic-results>
```

#### Description

### <probe-test-negative-egress-jitter>

#### Usage

```
<probe-test-current-results>
  <probe-test-generic-results>
    <probe-test-negative-egress-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-negative-egress-jitter>
  </probe-test-generic-results>
```

</probe-test-current-results>

#### Description

### <probe-test-negative-egress-jitter>

#### Usage

```
<probe-test-global-results>
  <probe-test-generic-results>
    <probe-test-negative-egress-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-negative-egress-jitter>
  </probe-test-generic-results>
</probe-test-global-results>
```

#### Description

### <probe-test-negative-egress-jitter>

#### Usage

```
<probe-test-moving-results>
  <probe-test-generic-results>
    <probe-test-negative-egress-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-negative-egress-jitter>
  </probe-test-generic-results>
</probe-test-moving-results>
```

#### Description

### <probe-test-negative-egress-jitter>

#### Usage

```
<probe-last-test-results>
  <probe-test-generic-results>
    <probe-test-negative-egress-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-negative-egress-jitter>
  </probe-test-generic-results>
</probe-last-test-results>
```

#### Description

### <probe-test-negative-egress-jitter>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-negative-egress-jitter>
          <probe-summary-results>....</probe-summary-results>
```

```

        </probe-test-negative-egress-jitter>
      </probe-test-generic-results>
    </probe-test-current-results>
  </probe-test-results>
</probe-results>

```

#### Description

### <probe-test-negative-egress-jitter>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probe-test-negative-egress-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-negative-egress-jitter>
      </probe-test-generic-results>
    </probe-last-test-results>
  </probe-test-results>
</probe-results>

```

#### Description

### <probe-test-negative-egress-jitter>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-test-moving-results>
      <probe-test-generic-results>
        <probe-test-negative-egress-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-negative-egress-jitter>
      </probe-test-generic-results>
    </probe-test-moving-results>
  </probe-test-results>
</probe-results>

```

#### Description

### <probe-test-negative-egress-jitter>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-test-global-results>
      <probe-test-generic-results>
        <probe-test-negative-egress-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-negative-egress-jitter>
      </probe-test-generic-results>
    </probe-test-global-results>
  </probe-test-results>
</probe-results>

```

```
</probe-test-global-results>
</probe-test-results>
</probe-results>
```

#### Description

### <probe-test-negative-egress-jitter>

#### Usage

```
<history-results>
  <history-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-negative-egress-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-negative-egress-jitter>
      </probe-test-generic-results>
    </probe-test-current-results>
  </history-test-results>
</history-results>
```

#### Description

### <probe-test-negative-ingress-jitter>

#### Usage

```
<probe-test-negative-ingress-jitter>
  <probe-summary-results>....</probe-summary-results>
</probe-test-negative-ingress-jitter>
```

#### Description

### <probe-test-negative-ingress-jitter>

#### Usage

```
<probe-test-generic-results>
  <probe-test-negative-ingress-jitter>
    <probe-summary-results>....</probe-summary-results>
  </probe-test-negative-ingress-jitter>
</probe-test-generic-results>
```

#### Description

### <probe-test-negative-ingress-jitter>

#### Usage

```
<probe-test-current-results>
  <probe-test-generic-results>
    <probe-test-negative-ingress-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-negative-ingress-jitter>
  </probe-test-generic-results>
```

</probe-test-current-results>

#### Description

### <probe-test-negative-ingress-jitter>

#### Usage

```
<probe-test-global-results>
  <probe-test-generic-results>
    <probe-test-negative-ingress-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-negative-ingress-jitter>
  </probe-test-generic-results>
</probe-test-global-results>
```

#### Description

### <probe-test-negative-ingress-jitter>

#### Usage

```
<probe-test-moving-results>
  <probe-test-generic-results>
    <probe-test-negative-ingress-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-negative-ingress-jitter>
  </probe-test-generic-results>
</probe-test-moving-results>
```

#### Description

### <probe-test-negative-ingress-jitter>

#### Usage

```
<probe-last-test-results>
  <probe-test-generic-results>
    <probe-test-negative-ingress-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-negative-ingress-jitter>
  </probe-test-generic-results>
</probe-last-test-results>
```

#### Description

### <probe-test-negative-ingress-jitter>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-negative-ingress-jitter>
          <probe-summary-results>....</probe-summary-results>
```

```
        </probe-test-negative-ingress-jitter>
      </probe-test-generic-results>
    </probe-test-current-results>
  </probe-test-results>
</probe-results>
```

#### Description

### <probe-test-negative-ingress-jitter>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probe-test-negative-ingress-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-negative-ingress-jitter>
      </probe-test-generic-results>
    </probe-last-test-results>
  </probe-test-results>
</probe-results>
```

#### Description

### <probe-test-negative-ingress-jitter>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-moving-results>
      <probe-test-generic-results>
        <probe-test-negative-ingress-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-negative-ingress-jitter>
      </probe-test-generic-results>
    </probe-test-moving-results>
  </probe-test-results>
</probe-results>
```

#### Description

### <probe-test-negative-ingress-jitter>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-global-results>
      <probe-test-generic-results>
        <probe-test-negative-ingress-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-negative-ingress-jitter>
      </probe-test-generic-results>
    </probe-test-global-results>
  </probe-test-results>
</probe-results>
```

```
</probe-test-global-results>
</probe-test-results>
</probe-results>
```

#### Description

### <probe-test-negative-ingress-jitter>

#### Usage

```
<history-results>
<history-test-results>
  <probe-test-current-results>
    <probe-test-generic-results>
      <probe-test-negative-ingress-jitter>
        <probe-summary-results>....</probe-summary-results>
      </probe-test-negative-ingress-jitter>
    </probe-test-generic-results>
  </probe-test-current-results>
</history-test-results>
</history-results>
```

#### Description

### <probe-test-negative-round-trip-jitter>

#### Usage

```
<probe-test-negative-round-trip-jitter>
<probe-summary-results>....</probe-summary-results>
</probe-test-negative-round-trip-jitter>
```

#### Description

### <probe-test-negative-round-trip-jitter>

#### Usage

```
<probe-test-generic-results>
<probe-test-negative-round-trip-jitter>
  <probe-summary-results>....</probe-summary-results>
</probe-test-negative-round-trip-jitter>
</probe-test-generic-results>
```

#### Description

### <probe-test-negative-round-trip-jitter>

#### Usage

```
<probe-test-current-results>
<probe-test-generic-results>
  <probe-test-negative-round-trip-jitter>
    <probe-summary-results>....</probe-summary-results>
  </probe-test-negative-round-trip-jitter>
</probe-test-generic-results>
```

```
</probe-test-current-results>
```

#### Description

### <probe-test-negative-round-trip-jitter>

#### Usage

```
<probe-test-global-results>
  <probe-test-generic-results>
    <probe-test-negative-round-trip-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-negative-round-trip-jitter>
  </probe-test-generic-results>
</probe-test-global-results>
```

#### Description

### <probe-test-negative-round-trip-jitter>

#### Usage

```
<probe-test-moving-results>
  <probe-test-generic-results>
    <probe-test-negative-round-trip-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-negative-round-trip-jitter>
  </probe-test-generic-results>
</probe-test-moving-results>
```

#### Description

### <probe-test-negative-round-trip-jitter>

#### Usage

```
<probe-last-test-results>
  <probe-test-generic-results>
    <probe-test-negative-round-trip-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-negative-round-trip-jitter>
  </probe-test-generic-results>
</probe-last-test-results>
```

#### Description

### <probe-test-negative-round-trip-jitter>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-negative-round-trip-jitter>
          <probe-summary-results>....</probe-summary-results>
```



```

        </probe-test-negative-round-trip-jitter>
      </probe-test-generic-results>
    </probe-test-current-results>
  </probe-test-results>
</probe-results>

```

#### Description

### <probe-test-negative-round-trip-jitter>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probe-test-negative-round-trip-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-negative-round-trip-jitter>
      </probe-test-generic-results>
    </probe-last-test-results>
  </probe-test-results>
</probe-results>

```

#### Description

### <probe-test-negative-round-trip-jitter>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-test-moving-results>
      <probe-test-generic-results>
        <probe-test-negative-round-trip-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-negative-round-trip-jitter>
      </probe-test-generic-results>
    </probe-test-moving-results>
  </probe-test-results>
</probe-results>

```

#### Description

### <probe-test-negative-round-trip-jitter>

#### Usage

```

<probe-results>
  <probe-test-results>
    <probe-test-global-results>
      <probe-test-generic-results>
        <probe-test-negative-round-trip-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-negative-round-trip-jitter>
      </probe-test-generic-results>
    </probe-test-global-results>
  </probe-test-results>
</probe-results>

```

```
</probe-test-global-results>
</probe-test-results>
</probe-results>
```

#### Description

### <probe-test-negative-round-trip-jitter>

#### Usage

```
<history-results>
  <history-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-negative-round-trip-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-negative-round-trip-jitter>
      </probe-test-generic-results>
    </probe-test-current-results>
  </history-test-results>
</history-results>
```

#### Description

### <probe-test-positive-egress-jitter>

#### Usage

```
<probe-test-positive-egress-jitter>
  <probe-summary-results>....</probe-summary-results>
</probe-test-positive-egress-jitter>
```

#### Description

### <probe-test-positive-egress-jitter>

#### Usage

```
<probe-test-generic-results>
  <probe-test-positive-egress-jitter>
    <probe-summary-results>....</probe-summary-results>
  </probe-test-positive-egress-jitter>
</probe-test-generic-results>
```

#### Description

### <probe-test-positive-egress-jitter>

#### Usage

```
<probe-test-current-results>
  <probe-test-generic-results>
    <probe-test-positive-egress-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-positive-egress-jitter>
  </probe-test-generic-results>
```

</probe-test-current-results>

#### Description

### <probe-test-positive-egress-jitter>

#### Usage

```
<probe-test-global-results>
  <probe-test-generic-results>
    <probe-test-positive-egress-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-positive-egress-jitter>
  </probe-test-generic-results>
</probe-test-global-results>
```

#### Description

### <probe-test-positive-egress-jitter>

#### Usage

```
<probe-test-moving-results>
  <probe-test-generic-results>
    <probe-test-positive-egress-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-positive-egress-jitter>
  </probe-test-generic-results>
</probe-test-moving-results>
```

#### Description

### <probe-test-positive-egress-jitter>

#### Usage

```
<probe-last-test-results>
  <probe-test-generic-results>
    <probe-test-positive-egress-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-positive-egress-jitter>
  </probe-test-generic-results>
</probe-last-test-results>
```

#### Description

### <probe-test-positive-egress-jitter>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-positive-egress-jitter>
          <probe-summary-results>....</probe-summary-results>
```

```
        </probe-test-positive-egress-jitter>
      </probe-test-generic-results>
    </probe-test-current-results>
  </probe-test-results>
</probe-results>
```

#### Description

### <probe-test-positive-egress-jitter>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probe-test-positive-egress-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-positive-egress-jitter>
      </probe-test-generic-results>
    </probe-last-test-results>
  </probe-test-results>
</probe-results>
```

#### Description

### <probe-test-positive-egress-jitter>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-moving-results>
      <probe-test-generic-results>
        <probe-test-positive-egress-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-positive-egress-jitter>
      </probe-test-generic-results>
    </probe-test-moving-results>
  </probe-test-results>
</probe-results>
```

#### Description

### <probe-test-positive-egress-jitter>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-global-results>
      <probe-test-generic-results>
        <probe-test-positive-egress-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-positive-egress-jitter>
      </probe-test-generic-results>
    </probe-test-global-results>
  </probe-test-results>
</probe-results>
```

```
</probe-test-global-results>
</probe-test-results>
</probe-results>
```

#### Description

### <probe-test-positive-egress-jitter>

#### Usage

```
<history-results>
<history-test-results>
  <probe-test-current-results>
    <probe-test-generic-results>
      <probe-test-positive-egress-jitter>
        <probe-summary-results>....</probe-summary-results>
      </probe-test-positive-egress-jitter>
    </probe-test-generic-results>
  </probe-test-current-results>
</history-test-results>
</history-results>
```

#### Description

### <probe-test-positive-ingress-jitter>

#### Usage

```
<probe-test-positive-ingress-jitter>
<probe-summary-results>....</probe-summary-results>
</probe-test-positive-ingress-jitter>
```

#### Description

### <probe-test-positive-ingress-jitter>

#### Usage

```
<probe-test-generic-results>
<probe-test-positive-ingress-jitter>
  <probe-summary-results>....</probe-summary-results>
</probe-test-positive-ingress-jitter>
</probe-test-generic-results>
```

#### Description

### <probe-test-positive-ingress-jitter>

#### Usage

```
<probe-test-current-results>
<probe-test-generic-results>
  <probe-test-positive-ingress-jitter>
    <probe-summary-results>....</probe-summary-results>
  </probe-test-positive-ingress-jitter>
</probe-test-generic-results>
```

</probe-test-current-results>

#### Description

### <probe-test-positive-ingress-jitter>

#### Usage

```
<probe-test-global-results>
  <probe-test-generic-results>
    <probe-test-positive-ingress-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-positive-ingress-jitter>
  </probe-test-generic-results>
</probe-test-global-results>
```

#### Description

### <probe-test-positive-ingress-jitter>

#### Usage

```
<probe-test-moving-results>
  <probe-test-generic-results>
    <probe-test-positive-ingress-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-positive-ingress-jitter>
  </probe-test-generic-results>
</probe-test-moving-results>
```

#### Description

### <probe-test-positive-ingress-jitter>

#### Usage

```
<probe-last-test-results>
  <probe-test-generic-results>
    <probe-test-positive-ingress-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-positive-ingress-jitter>
  </probe-test-generic-results>
</probe-last-test-results>
```

#### Description

### <probe-test-positive-ingress-jitter>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-positive-ingress-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-positive-ingress-jitter>
      </probe-test-generic-results>
    </probe-test-current-results>
  </probe-test-results>
</probe-results>
```

```
        </probe-test-positive-ingress-jitter>
      </probe-test-generic-results>
    </probe-test-current-results>
  </probe-test-results>
</probe-results>
```

#### Description

### <probe-test-positive-ingress-jitter>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probe-test-positive-ingress-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-positive-ingress-jitter>
      </probe-test-generic-results>
    </probe-last-test-results>
  </probe-test-results>
</probe-results>
```

#### Description

### <probe-test-positive-ingress-jitter>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-moving-results>
      <probe-test-generic-results>
        <probe-test-positive-ingress-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-positive-ingress-jitter>
      </probe-test-generic-results>
    </probe-test-moving-results>
  </probe-test-results>
</probe-results>
```

#### Description

### <probe-test-positive-ingress-jitter>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-global-results>
      <probe-test-generic-results>
        <probe-test-positive-ingress-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-positive-ingress-jitter>
      </probe-test-generic-results>
    </probe-test-global-results>
  </probe-test-results>
</probe-results>
```

```
</probe-test-global-results>
</probe-test-results>
</probe-results>
```

#### Description

### <probe-test-positive-ingress-jitter>

#### Usage

```
<history-results>
  <history-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-positive-ingress-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-positive-ingress-jitter>
      </probe-test-generic-results>
    </probe-test-current-results>
  </history-test-results>
</history-results>
```

#### Description

### <probe-test-positive-round-trip-jitter>

#### Usage

```
<probe-test-positive-round-trip-jitter>
  <probe-summary-results>....</probe-summary-results>
</probe-test-positive-round-trip-jitter>
```

#### Description

### <probe-test-positive-round-trip-jitter>

#### Usage

```
<probe-test-generic-results>
  <probe-test-positive-round-trip-jitter>
    <probe-summary-results>....</probe-summary-results>
  </probe-test-positive-round-trip-jitter>
</probe-test-generic-results>
```

#### Description

### <probe-test-positive-round-trip-jitter>

#### Usage

```
<probe-test-current-results>
  <probe-test-generic-results>
    <probe-test-positive-round-trip-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-positive-round-trip-jitter>
  </probe-test-generic-results>
```



```
</probe-test-current-results>
```

#### Description

### <probe-test-positive-round-trip-jitter>

#### Usage

```
<probe-test-global-results>
  <probe-test-generic-results>
    <probe-test-positive-round-trip-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-positive-round-trip-jitter>
  </probe-test-generic-results>
</probe-test-global-results>
```

#### Description

### <probe-test-positive-round-trip-jitter>

#### Usage

```
<probe-test-moving-results>
  <probe-test-generic-results>
    <probe-test-positive-round-trip-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-positive-round-trip-jitter>
  </probe-test-generic-results>
</probe-test-moving-results>
```

#### Description

### <probe-test-positive-round-trip-jitter>

#### Usage

```
<probe-last-test-results>
  <probe-test-generic-results>
    <probe-test-positive-round-trip-jitter>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-positive-round-trip-jitter>
  </probe-test-generic-results>
</probe-last-test-results>
```

#### Description

### <probe-test-positive-round-trip-jitter>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-positive-round-trip-jitter>
          <probe-summary-results>....</probe-summary-results>
```

```
        </probe-test-positive-round-trip-jitter>
      </probe-test-generic-results>
    </probe-test-current-results>
  </probe-test-results>
</probe-results>
```

#### Description

### <probe-test-positive-round-trip-jitter>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probe-test-positive-round-trip-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-positive-round-trip-jitter>
      </probe-test-generic-results>
    </probe-last-test-results>
  </probe-test-results>
</probe-results>
```

#### Description

### <probe-test-positive-round-trip-jitter>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-moving-results>
      <probe-test-generic-results>
        <probe-test-positive-round-trip-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-positive-round-trip-jitter>
      </probe-test-generic-results>
    </probe-test-moving-results>
  </probe-test-results>
</probe-results>
```

#### Description

### <probe-test-positive-round-trip-jitter>

#### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-global-results>
      <probe-test-generic-results>
        <probe-test-positive-round-trip-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-positive-round-trip-jitter>
      </probe-test-generic-results>
    </probe-test-global-results>
  </probe-test-results>
</probe-results>
```

```
</probe-test-global-results>
</probe-test-results>
</probe-results>
```

#### Description

### <probe-test-positive-round-trip-jitter>

#### Usage

```
<history-results>
  <history-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-positive-round-trip-jitter>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-positive-round-trip-jitter>
      </probe-test-generic-results>
    </probe-test-current-results>
  </history-test-results>
</history-results>
```

#### Description

### <probe-test-results>

#### Usage

```
<probe-results>
  <probe-test-results>
    <owner>
      owner
    </owner>
    <test-name>
      test-name
    </test-name>
    <target-address>
      target-address
    </target-address>
    <target-url>
      target-url
    </target-url>
    <source-address>
      source-address
    </source-address>
    <destination-interface>
      destination-interface
    </destination-interface>
    <probe-type>
      probe-type
    </probe-type>
    <test-size>
      test-size
    </test-size>
    <routing-instance-name>
      routing-instance-name
    </routing-instance-name>
  </probe-test-results>
</probe-results>
```

```
</routing-instance-name>
<loss-thresh-total>
  loss-thresh-total
</loss-thresh-total>
<loss-thresh-succ>
  loss-thresh-succ
</loss-thresh-succ>
<delay-thresh>
  delay-thresh
</delay-thresh>
<jitter-thresh>
  jitter-thresh
</jitter-thresh>
<stddev-thresh>
  stddev-thresh
</stddev-thresh>
<egress-thresh>
  egress-thresh
</egress-thresh>
<egress-jitter-thresh>
  egress-jitter-thresh
</egress-jitter-thresh>
<egress-stddev-thresh>
  egress-stddev-thresh
</egress-stddev-thresh>
<ingress-thresh>
  ingress-thresh
</ingress-thresh>
<ingress-jitter-thresh>
  ingress-jitter-thresh
</ingress-jitter-thresh>
<ingress-stddev-thresh>
  ingress-stddev-thresh
</ingress-stddev-thresh>
<probe-single-results>....</probe-single-results>
<probe-test-current-results>....</probe-test-current-results>
<probe-last-test-results>....</probe-last-test-results>
<probe-test-moving-results>....</probe-test-moving-results>
<probe-test-global-results>....</probe-test-global-results>
</probe-test-results>
</probe-results>
```

#### Description

#### <probe-test-rtt>

##### Usage

```
<probe-test-rtt>
  <probe-summary-results>....</probe-summary-results>
</probe-test-rtt>
```

#### Description

### <probe-test-rtt>

#### Usage

```
<probe-test-generic-results>
  <probe-test-rtt>
    <probe-summary-results>....</probe-summary-results>
  </probe-test-rtt>
</probe-test-generic-results>
```

#### Description

### <probe-test-rtt>

#### Usage

```
<probe-test-current-results>
  <probe-test-generic-results>
    <probe-test-rtt>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-rtt>
  </probe-test-generic-results>
</probe-test-current-results>
```

#### Description

### <probe-test-rtt>

#### Usage

```
<probe-test-global-results>
  <probe-test-generic-results>
    <probe-test-rtt>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-rtt>
  </probe-test-generic-results>
</probe-test-global-results>
```

#### Description

### <probe-test-rtt>

#### Usage

```
<probe-test-moving-results>
  <probe-test-generic-results>
    <probe-test-rtt>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-rtt>
  </probe-test-generic-results>
</probe-test-moving-results>
```

#### Description

## <probe-test-rtt>

### Usage

```
<probe-last-test-results>
  <probe-test-generic-results>
    <probe-test-rtt>
      <probe-summary-results>....</probe-summary-results>
    </probe-test-rtt>
  </probe-test-generic-results>
</probe-last-test-results>
```

### Description

## <probe-test-rtt>

### Usage

```
<probe-results>
  <probe-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-rtt>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-rtt>
      </probe-test-generic-results>
    </probe-test-current-results>
  </probe-test-results>
</probe-results>
```

### Description

## <probe-test-rtt>

### Usage

```
<probe-results>
  <probe-test-results>
    <probe-last-test-results>
      <probe-test-generic-results>
        <probe-test-rtt>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-rtt>
      </probe-test-generic-results>
    </probe-last-test-results>
  </probe-test-results>
</probe-results>
```

### Description

## <probe-test-rtt>

### Usage

```
<probe-results>
  <probe-test-results>
```

```

    <probe-test-moving-results>
      <probe-test-generic-results>
        <probe-test-rtt>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-rtt>
      </probe-test-generic-results>
    </probe-test-moving-results>
  </probe-test-results>
</probe-results>

```

#### Description

#### <probe-test-rtt>

##### Usage

```

<probe-results>
  <probe-test-results>
    <probe-test-global-results>
      <probe-test-generic-results>
        <probe-test-rtt>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-rtt>
      </probe-test-generic-results>
    </probe-test-global-results>
  </probe-test-results>
</probe-results>

```

#### Description

#### <probe-test-rtt>

##### Usage

```

<history-results>
  <history-test-results>
    <probe-test-current-results>
      <probe-test-generic-results>
        <probe-test-rtt>
          <probe-summary-results>....</probe-summary-results>
        </probe-test-rtt>
      </probe-test-generic-results>
    </probe-test-current-results>
  </history-test-results>
</history-results>

```

#### Description

#### <server>

##### Usage

```

<twamp-server-information>
  <server>
    <session>....</session>
  </server>

```

</twamp-server-information>

**Description** Server information

### <server-statistics>

#### Usage

```
<twamp-server-information>
  <server-statistics>
    <packet-statistics>....</packet-statistics>
  </server-statistics>
</twamp-server-information>
```

**Description** Server statistics

### <session>

#### Usage

```
<twamp-server-information>
  <server>
    <session>
      <session-id>
        session-id
      </session-id>
      <connection-id>
        connection-id
      </connection-id>
      <sender-address>
        sender-address
      </sender-address>
      <sender-port>
        sender-port
      </sender-port>
      <reflector-address>
        reflector-address
      </reflector-address>
      <reflector-port>
        reflector-port
      </reflector-port>
      <session-state>
        session-state
      </session-state>
      <authentication-mode>
        authentication-mode
      </authentication-mode>
      <ip-version>
        ip-version
      </ip-version>
      <padding-length>
        padding-length
      </padding-length>
      <start-time>
```



```

        start-time
      </start-time>
    <timeout>
      timeout
    </timeout>
    <packet-statistics>....</packet-statistics>
  </session>
</server>
</twamp-server-information>

```

**Description** Server session

### <test-packets-dropped-details>

#### Usage

```

<twamp-server-information>
  <server>
    <session>
      <packet-statistics>
        <test-packets-dropped-details>
          <session-nonexist>
            session-nonexist
          </session-nonexist>
          <session-notactive>
            session-notactive
          </session-notactive>
          <packet-unsupported>
            packet-unsupported
          </packet-unsupported>
          <packet-malformed>
            packet-malformed
          </packet-malformed>
          <internal-error>
            internal-error
          </internal-error>
        </test-packets-dropped-details>
      </packet-statistics>
    </session>
  </server>
</twamp-server-information>

```

**Description** Test packets dropped details

### <test-packets-dropped-details>

#### Usage

```

<twamp-server-information>
  <server-statistics>
    <packet-statistics>
      <test-packets-dropped-details>
        <session-nonexist>
          session-nonexist

```

```
</session-nonexist>
<session-notactive>
  session-notactive
</session-notactive>
<packet-unsupported>
  packet-unsupported
</packet-unsupported>
<packet-malformed>
  packet-malformed
</packet-malformed>
<internal-error>
  internal-error
</internal-error>
</test-packets-dropped-details>
</packet-statistics>
</server-statistics>
</twamp-server-information>
```

**Description** Test packets dropped details

### <twamp-server-information>

#### Usage

```
<twamp-server-information>
  <connection>....</connection>
  <server>....</server>
  <server-statistics>....</server-statistics>
</twamp-server-information>
```

**Description**

---

## Summary of Routing and Forwarding Table Response Tags

---

### <bridge-mac-destination-address-statistics>

#### Usage

```
<bridge-mac-destination-address-statistics>
  <packet-count>
    packet-count
  </packet-count>
  <byte-count>
    byte-count
  </byte-count>
</bridge-mac-destination-address-statistics>
```

**Description** MAC destination address statistics

### <bridge-mac-destination-address-statistics>

#### Usage

```
<rt-entry>
```

```
<bridge-mac-destination-address-statistics>
  <packet-count>
    packet-count
  </packet-count>
  <byte-count>
    byte-count
  </byte-count>
</bridge-mac-destination-address-statistics>
</rt-entry>
```

**Description** MAC destination address statistics

### <bridge-mac-destination-address-statistics>

#### Usage

```
<route-table>
  <rt-entry>
    <bridge-mac-destination-address-statistics>
      <packet-count>
        packet-count
      </packet-count>
      <byte-count>
        byte-count
      </byte-count>
    </bridge-mac-destination-address-statistics>
  </rt-entry>
</route-table>
```

**Description** MAC destination address statistics

### <bridge-mac-destination-address-statistics>

#### Usage

```
<forwarding-table-information>
  <route-table>
    <rt-entry>
      <bridge-mac-destination-address-statistics>
        <packet-count>
          packet-count
        </packet-count>
        <byte-count>
          byte-count
        </byte-count>
      </bridge-mac-destination-address-statistics>
    </rt-entry>
  </route-table>
</forwarding-table-information>
```

**Description** MAC destination address statistics

### <bridge-mac-source-address-statistics>

#### Usage

```
<bridge-mac-source-address-statistics>
  <packet-count>
    packet-count
  </packet-count>
  <byte-count>
    byte-count
  </byte-count>
</bridge-mac-source-address-statistics>
```

**Description** MAC source address statistics

### <bridge-mac-source-address-statistics>

#### Usage

```
<rt-entry>
  <bridge-mac-source-address-statistics>
    <packet-count>
      packet-count
    </packet-count>
    <byte-count>
      byte-count
    </byte-count>
  </bridge-mac-source-address-statistics>
</rt-entry>
```

**Description** MAC source address statistics

### <bridge-mac-source-address-statistics>

#### Usage

```
<route-table>
  <rt-entry>
    <bridge-mac-source-address-statistics>
      <packet-count>
        packet-count
      </packet-count>
      <byte-count>
        byte-count
      </byte-count>
    </bridge-mac-source-address-statistics>
  </rt-entry>
</route-table>
```

**Description** MAC source address statistics

### <bridge-mac-source-address-statistics>

#### Usage

```

<forwarding-table-information>
  <route-table>
    <rt-entry>
      <bridge-mac-source-address-statistics>
        <packet-count>
          packet-count
        </packet-count>
        <byte-count>
          byte-count
        </byte-count>
      </bridge-mac-source-address-statistics>
    </rt-entry>
  </route-table>
</forwarding-table-information>

```

**Description** MAC source address statistics

### <forwarding-table-information>

#### Usage

```

<forwarding-table-information>
  <route-table>....</route-table>
</forwarding-table-information>

```

**Description** Information about forwarding-table routing entries

### <nh>

#### Usage

```

<nh>
  <to>
    to
  </to>
  <nh-type>
    nh-type
  </nh-type>
  <nh-index>
    nh-index
  </nh-index>
  <nh-reference-count>
    nh-reference-count
  </nh-reference-count>
  <nh-cfi-index>
    nh-cfi-index
  </nh-cfi-index>
  <via>
    via
  </via>
  <nh-weight>

```

```
    nh-weight
  </nh-weight>
  <nh-balance>
    nh-balance
  </nh-balance>
  <nh-uflags>
    nh-uflags
  </nh-uflags>
  <nh-composite-num-nhs>
    nh-composite-num-nhs
  </nh-composite-num-nhs>
  <nh-composite-nh-index>
    nh-composite-nh-index
  </nh-composite-nh-index>
  <nh-composite-function>
    nh-composite-function
  </nh-composite-function>
  <nh-composite-num-derived-nhs>
    nh-composite-num-derived-nhs
  </nh-composite-num-derived-nhs>
  <nh-composite-derived-nh-index>
    nh-composite-derived-nh-index
  </nh-composite-derived-nh-index>
  <alt-fwdnh-index>
    alt-fwdnh-index
  </alt-fwdnh-index>
  <nh-l3-interface>
    nh-l3-interface
  </nh-l3-interface>
  <nh-l2-interface>....</nh-l2-interface>
  <nh-le-beb-mac>
    nh-le-beb-mac
  </nh-le-beb-mac>
</nh>
```

**Description** Next hop for this routing table entry

<nh>

**Usage**

```
<rt-entry>
  <nh>
    <to>
      to
    </to>
    <nh-type>
      nh-type
    </nh-type>
    <nh-index>
      nh-index
    </nh-index>
    <nh-reference-count>
      nh-reference-count
    </nh-reference-count>
```

```

<nh-cfi-index>
  nh-cfi-index
</nh-cfi-index>
<via>
  via
</via>
<nh-weight>
  nh-weight
</nh-weight>
<nh-balance>
  nh-balance
</nh-balance>
<nh-uflags>
  nh-uflags
</nh-uflags>
<nh-composite-num-nhs>
  nh-composite-num-nhs
</nh-composite-num-nhs>
<nh-composite-nh-index>
  nh-composite-nh-index
</nh-composite-nh-index>
<nh-composite-function>
  nh-composite-function
</nh-composite-function>
<nh-composite-num-derived-nhs>
  nh-composite-num-derived-nhs
</nh-composite-num-derived-nhs>
<nh-composite-derived-nh-index>
  nh-composite-derived-nh-index
</nh-composite-derived-nh-index>
<alt-fwdnh-index>
  alt-fwdnh-index
</alt-fwdnh-index>
<nh-l3-interface>
  nh-l3-interface
</nh-l3-interface>
<nh-l2-interface>....</nh-l2-interface>
<nh-le-beb-mac>
  nh-le-beb-mac
</nh-le-beb-mac>
</nh>
</rt-entry>

```

**Description** Next hop for this routing table entry

<nh>

#### Usage

```

<route-table>
<rt-entry>
  <nh>
    <to>
      to
    </to>

```

```
<nh-type>
  nh-type
</nh-type>
<nh-index>
  nh-index
</nh-index>
<nh-reference-count>
  nh-reference-count
</nh-reference-count>
<nh-cfi-index>
  nh-cfi-index
</nh-cfi-index>
<via>
  via
</via>
<nh-weight>
  nh-weight
</nh-weight>
<nh-balance>
  nh-balance
</nh-balance>
<nh-uflags>
  nh-uflags
</nh-uflags>
<nh-composite-num-nhs>
  nh-composite-num-nhs
</nh-composite-num-nhs>
<nh-composite-nh-index>
  nh-composite-nh-index
</nh-composite-nh-index>
<nh-composite-function>
  nh-composite-function
</nh-composite-function>
<nh-composite-num-derived-nhs>
  nh-composite-num-derived-nhs
</nh-composite-num-derived-nhs>
<nh-composite-derived-nh-index>
  nh-composite-derived-nh-index
</nh-composite-derived-nh-index>
<alt-fwdnh-index>
  alt-fwdnh-index
</alt-fwdnh-index>
<nh-l3-interface>
  nh-l3-interface
</nh-l3-interface>
<nh-l2-interface>.....</nh-l2-interface>
<nh-le-beb-mac>
  nh-le-beb-mac
</nh-le-beb-mac>
</nh>
</rt-entry>
</route-table>
```

**Description** Next hop for this routing table entry



## &lt;nh&gt;

## Usage

```

<forwarding-table-information>
  <route-table>
    <rt-entry>
      <nh>
        <to>
          to
        </to>
        <nh-type>
          nh-type
        </nh-type>
        <nh-index>
          nh-index
        </nh-index>
        <nh-reference-count>
          nh-reference-count
        </nh-reference-count>
        <nh-cfi-index>
          nh-cfi-index
        </nh-cfi-index>
        <via>
          via
        </via>
        <nh-weight>
          nh-weight
        </nh-weight>
        <nh-balance>
          nh-balance
        </nh-balance>
        <nh-uflags>
          nh-uflags
        </nh-uflags>
        <nh-composite-num-nhs>
          nh-composite-num-nhs
        </nh-composite-num-nhs>
        <nh-composite-nh-index>
          nh-composite-nh-index
        </nh-composite-nh-index>
        <nh-composite-function>
          nh-composite-function
        </nh-composite-function>
        <nh-composite-num-derived-nhs>
          nh-composite-num-derived-nhs
        </nh-composite-num-derived-nhs>
        <nh-composite-derived-nh-index>
          nh-composite-derived-nh-index
        </nh-composite-derived-nh-index>
        <alt-fwdnh-index>
          alt-fwdnh-index
        </alt-fwdnh-index>
        <nh-l3-interface>
          nh-l3-interface
        </nh-l3-interface>

```

```
<nh-l2-interface>....</nh-l2-interface>
<nh-le-beb-mac>
  nh-le-beb-mac
</nh-le-beb-mac>
</nh>
</rt-entry>
</route-table>
</forwarding-table-information>
```

**Description** Next hop for this routing table entry

### <nh-l2-interface>

#### Usage

```
<nh-l2-interface>
<nh-l2-interface-name>
  nh-l2-interface-name
</nh-l2-interface-name>
</nh-l2-interface>
```

#### Description

### <nh-l2-interface>

#### Usage

```
<nh>
<nh-l2-interface>
<nh-l2-interface-name>
  nh-l2-interface-name
</nh-l2-interface-name>
</nh-l2-interface>
</nh>
```

#### Description

### <nh-l2-interface>

#### Usage

```
<rt-entry>
<nh>
<nh-l2-interface>
<nh-l2-interface-name>
  nh-l2-interface-name
</nh-l2-interface-name>
</nh-l2-interface>
</nh>
</rt-entry>
```

#### Description

## <nh-l2-interface>

### Usage

```
<route-table>
<rt-entry>
  <nh>
    <nh-l2-interface>
      <nh-l2-interface-name>
        nh-l2-interface-name
      </nh-l2-interface-name>
    </nh-l2-interface>
  </nh>
</rt-entry>
</route-table>
```

### Description

## <nh-l2-interface>

### Usage

```
<forwarding-table-information>
<route-table>
<rt-entry>
  <nh>
    <nh-l2-interface>
      <nh-l2-interface-name>
        nh-l2-interface-name
      </nh-l2-interface-name>
    </nh-l2-interface>
  </nh>
</rt-entry>
</route-table>
</forwarding-table-information>
```

### Description

## <route-table>

### Usage

```
<route-table>
<logical-system-name>
  logical-system-name
</logical-system-name>
<table-name>
  table-name
</table-name>
<bd-name>
  bd-name
</bd-name>
<pbbn-table-name>
  pbbn-table-name
</pbbn-table-name>
<route-table-deleted>
```

```
    route-table-deleted
  </route-table-deleted>
  <pbbn-route-table-deleted>
    pbbn-route-table-deleted
  </pbbn-route-table-deleted>
  <bridge-table-deleted>
    bridge-table-deleted
  </bridge-table-deleted>
  <address-family>
    address-family
  </address-family>
  <address-family-number>
    address-family-number
  </address-family-number>
  <rt-entry>....</rt-entry>
  <route-table-summary>....</route-table-summary>
</route-table>
```

**Description** Denotes a routing table

## <route-table>

### Usage

```
<forwarding-table-information>
  <route-table>
    <logical-system-name>
      logical-system-name
    </logical-system-name>
    <table-name>
      table-name
    </table-name>
    <bd-name>
      bd-name
    </bd-name>
    <pbbn-table-name>
      pbbn-table-name
    </pbbn-table-name>
    <route-table-deleted>
      route-table-deleted
    </route-table-deleted>
    <pbbn-route-table-deleted>
      pbbn-route-table-deleted
    </pbbn-route-table-deleted>
    <bridge-table-deleted>
      bridge-table-deleted
    </bridge-table-deleted>
    <address-family>
      address-family
    </address-family>
    <address-family-number>
      address-family-number
    </address-family-number>
    <rt-entry>....</rt-entry>
    <route-table-summary>....</route-table-summary>
```

```

</route-table>
</forwarding-table-information>

```

**Description** Denotes a routing table

### <route-table-summary>

#### Usage

```

<route-table-summary>
  <route-table-type>
    route-table-type
  </route-table-type>
  <route-count>
    route-count
  </route-count>
</route-table-summary>

```

**Description** Routing table summary

### <route-table-summary>

#### Usage

```

<route-table>
  <route-table-summary>
    <route-table-type>
      route-table-type
    </route-table-type>
    <route-count>
      route-count
    </route-count>
  </route-table-summary>
</route-table>

```

**Description** Routing table summary

### <route-table-summary>

#### Usage

```

<forwarding-table-information>
  <route-table>
    <route-table-summary>
      <route-table-type>
        route-table-type
      </route-table-type>
      <route-count>
        route-count
      </route-count>
    </route-table-summary>
  </route-table>
</forwarding-table-information>

```

**Description** Routing table summary

### <rpf-information>

**Usage**

```
<rpf-information>
<via>
  via
</via>
</rpf-information>
```

**Description** Reverse-path forwarding check for this route

### <rpf-information>

**Usage**

```
<rt-entry>
<rpf-information>
<via>
  via
</via>
</rpf-information>
</rt-entry>
```

**Description** Reverse-path forwarding check for this route

### <rpf-information>

**Usage**

```
<route-table>
<rt-entry>
<rpf-information>
<via>
  via
</via>
</rpf-information>
</rt-entry>
</route-table>
```

**Description** Reverse-path forwarding check for this route

### <rpf-information>

**Usage**

```
<forwarding-table-information>
<route-table>
<rt-entry>
<rpf-information>
<via>
  via
```

```

    </via>
  </rpf-information>
</rt-entry>
</route-table>
</forwarding-table-information>

```

**Description** Reverse-path forwarding check for this route

## <rt-entry>

### Usage

```

<rt-entry>
  <rt-destination>
    rt-destination
  </rt-destination>
  <learn-vlan>
    learn-vlan
  </learn-vlan>
  <destination-type>
    destination-type
  </destination-type>
  <route-reference-count>
    route-reference-count
  </route-reference-count>
  <route-interface-index>
    route-interface-index
  </route-interface-index>
  <ifl-generation>
    ifl-generation
  </ifl-generation>
  <epoch>
    epoch
  </epoch>
  <flood-token>
    flood-token
  </flood-token>
  <mac-sequence-number>
    mac-sequence-number
  </mac-sequence-number>
  <learn-mask>
    learn-mask
  </learn-mask>
  <l2al-rtflags>
    l2al-rtflags
  </l2al-rtflags>
  <route-flags>
    route-flags
  </route-flags>
  <vlan-index>
    vlan-index
  </vlan-index>
  <vlan-flags>
    vlan-flags
  </vlan-flags>

```

```
<nh>....</nh>
<rpf-information>....</rpf-information>
<vpls-mac-source-address-statistics>....</vpls-mac-source-address-statistics>

<vpls-mac-destination-address-statistics>....</vpls-mac-destination-address-statistics>

<bridge-mac-source-address-statistics>....</bridge-mac-source-address-statistics>

<bridge-mac-destination-address-statistics>....</bridge-mac-destination-address-statistics>

</rt-entry>
```

**Description** Routing table entry for a destination

## <rt-entry>

### Usage

```
<route-table>
  <rt-entry>
    <rt-destination>
      rt-destination
    </rt-destination>
    <learn-vlan>
      learn-vlan
    </learn-vlan>
    <destination-type>
      destination-type
    </destination-type>
    <route-reference-count>
      route-reference-count
    </route-reference-count>
    <route-interface-index>
      route-interface-index
    </route-interface-index>
    <ifl-generation>
      ifl-generation
    </ifl-generation>
    <epoch>
      epoch
    </epoch>
    <flood-token>
      flood-token
    </flood-token>
    <mac-sequence-number>
      mac-sequence-number
    </mac-sequence-number>
    <learn-mask>
      learn-mask
    </learn-mask>
    <l2al-rtflags>
      l2al-rtflags
    </l2al-rtflags>
    <route-flags>
```



```

    route-flags
  </route-flags>
  <vlan-index>
    vlan-index
  </vlan-index>
  <vlan-flags>
    vlan-flags
  </vlan-flags>
  <nh>....</nh>
  <rpf-information>....</rpf-information>
  <vpls-mac-source-address-statistics>....</vpls-mac-source-address-statistics>

```

```

<vpls-mac-destination-address-statistics>....</vpls-mac-destination-address-statistics>

```

```

<bridge-mac-source-address-statistics>....</bridge-mac-source-address-statistics>

```

```

<bridge-mac-destination-address-statistics>....</bridge-mac-destination-address-statistics>

```

```

  </rt-entry>
</route-table>

```

**Description** Routing table entry for a destination

## <rt-entry>

### Usage

```

<forwarding-table-information>
<route-table>
  <rt-entry>
    <rt-destination>
      rt-destination
    </rt-destination>
    <learn-vlan>
      learn-vlan
    </learn-vlan>
    <destination-type>
      destination-type
    </destination-type>
    <route-reference-count>
      route-reference-count
    </route-reference-count>
    <route-interface-index>
      route-interface-index
    </route-interface-index>
    <ifl-generation>
      ifl-generation
    </ifl-generation>
    <epoch>
      epoch
    </epoch>
    <flood-token>
      flood-token
  </rt-entry>
</route-table>
</forwarding-table-information>

```

```
</flood-token>
<mac-sequence-number>
  mac-sequence-number
</mac-sequence-number>
<learn-mask>
  learn-mask
</learn-mask>
<l2al-rtflags>
  l2al-rtflags
</l2al-rtflags>
<route-flags>
  route-flags
</route-flags>
<vlan-index>
  vlan-index
</vlan-index>
<vlan-flags>
  vlan-flags
</vlan-flags>
<nh>....</nh>
<rpf-information>....</rpf-information>
<vpls-mac-source-address-statistics>....</vpls-mac-source-address-statistics>
```

```
<vpls-mac-destination-address-statistics>....</vpls-mac-destination-address-statistics>
```

```
<bridge-mac-source-address-statistics>....</bridge-mac-source-address-statistics>
```

```
<bridge-mac-destination-address-statistics>....</bridge-mac-destination-address-statistics>
```

```
</rt-entry>
</route-table>
</forwarding-table-information>
```

**Description** Routing table entry for a destination

## <vpls-mac-destination-address-statistics>

### Usage

```
<vpls-mac-destination-address-statistics>
<packet-count>
  packet-count
</packet-count>
<byte-count>
  byte-count
</byte-count>
</vpls-mac-destination-address-statistics>
```

**Description** MAC destination address statistics

**<vpls-mac-destination-address-statistics>****Usage**

```

<rt-entry>
  <vpls-mac-destination-address-statistics>
    <packet-count>
      packet-count
    </packet-count>
    <byte-count>
      byte-count
    </byte-count>
  </vpls-mac-destination-address-statistics>
</rt-entry>

```

**Description** MAC destination address statistics

**<vpls-mac-destination-address-statistics>****Usage**

```

<route-table>
  <rt-entry>
    <vpls-mac-destination-address-statistics>
      <packet-count>
        packet-count
      </packet-count>
      <byte-count>
        byte-count
      </byte-count>
    </vpls-mac-destination-address-statistics>
  </rt-entry>
</route-table>

```

**Description** MAC destination address statistics

**<vpls-mac-destination-address-statistics>****Usage**

```

<forwarding-table-information>
  <route-table>
    <rt-entry>
      <vpls-mac-destination-address-statistics>
        <packet-count>
          packet-count
        </packet-count>
        <byte-count>
          byte-count
        </byte-count>
      </vpls-mac-destination-address-statistics>
    </rt-entry>
  </route-table>
</forwarding-table-information>

```

**Description** MAC destination address statistics

### <vpls-mac-source-address-statistics>

**Usage**

```
<vpls-mac-source-address-statistics>
  <packet-count>
    packet-count
  </packet-count>
  <byte-count>
    byte-count
  </byte-count>
</vpls-mac-source-address-statistics>
```

**Description** MAC source address statistics

### <vpls-mac-source-address-statistics>

**Usage**

```
<rt-entry>
  <vpls-mac-source-address-statistics>
    <packet-count>
      packet-count
    </packet-count>
    <byte-count>
      byte-count
    </byte-count>
  </vpls-mac-source-address-statistics>
</rt-entry>
```

**Description** MAC source address statistics

### <vpls-mac-source-address-statistics>

**Usage**

```
<route-table>
  <rt-entry>
    <vpls-mac-source-address-statistics>
      <packet-count>
        packet-count
      </packet-count>
      <byte-count>
        byte-count
      </byte-count>
    </vpls-mac-source-address-statistics>
  </rt-entry>
</route-table>
```

**Description** MAC source address statistics

### <vpls-mac-source-address-statistics>

#### Usage

```
<forwarding-table-information>
  <route-table>
    <rt-entry>
      <vpls-mac-source-address-statistics>
        <packet-count>
          packet-count
        </packet-count>
        <byte-count>
          byte-count
        </byte-count>
      </vpls-mac-source-address-statistics>
    </rt-entry>
  </route-table>
</forwarding-table-information>
```

**Description** MAC source address statistics

---

## Summary of SDX Response Tags

### <connection-status>

#### Usage

```
<sdx-information>
  <connection-status>
    <state>
      state
    </state>
    <address>
      address
    </address>
    <port>
      port
    </port>
    <date-time>
      date-time
    </date-time>
  </connection-status>
</sdx-information>
```

**Description** Status of the connection to SDX

### <keepalive-information>

#### Usage

```
<sdx-information>
  <keepalive-information>
    <interval>
      interval
    </interval>
  </keepalive-information>
</sdx-information>
```

```
</interval>
<keepalive-count>
  keepalive-count
</keepalive-count>
<elapsed-time>
  elapsed-time
</elapsed-time>
</keepalive-information>
</sdx-information>
```

**Description**    Keepalive settings and statistics

### <notification-information>

#### Usage

```
<sdx-information>
  <notification-information>
    <notification-count>
      notification-count
    </notification-count>
    <elapsed-time>
      elapsed-time
    </elapsed-time>
  </notification-information>
</sdx-information>
```

**Description**    Notification statistics

### <peer-information>

#### Usage

```
<sdx-information>
  <peer-information>
    <elapsed-time>
      elapsed-time
    </elapsed-time>
  </peer-information>
</sdx-information>
```

**Description**    Peer statistics

### <sdx-information>

#### Usage

```
<sdx-information>
  <unconfigured>
    unconfigured
  </unconfigured>
  <connection-status>....</connection-status>
  <keepalive-information>....</keepalive-information>
  <notification-information>....</notification-information>
```

```
<peer-information>....</peer-information>
</sdx-information>
```

**Description** Information about service deployment application

## Summary of SecPolInfo Response Tags

### <resource>

#### Usage

```
<resource-utilization>
<resource>
  <area>
    area
  </area>
  <current>
    current
  </current>
  <maximum>
    maximum
  </maximum>
</resource>
</resource-utilization>
```

**Description** Resource information

### <resource>

#### Usage

```
<secpolinfo-policy-information>
<secpolinfo-policy>
  <resource-utilization>
    <resource>
      <area>
        area
      </area>
      <current>
        current
      </current>
      <maximum>
        maximum
      </maximum>
    </resource>
  </resource-utilization>
</secpolinfo-policy>
</secpolinfo-policy-information>
```

**Description** Resource information

### <resource-utilization>

#### Usage

```
<resource-utilization>
  <resource>....</resource>
</resource-utilization>
```

**Description** Resources used by a process

### <resource-utilization>

#### Usage

```
<secpolinfo-policy-information>
  <secpolinfo-policy>
    <resource-utilization>
      <resource>....</resource>
    </resource-utilization>
  </secpolinfo-policy>
</secpolinfo-policy-information>
```

**Description** Resources used by a process

### <secpolinfo-policy>

#### Usage

```
<secpolinfo-policy-information>
  <secpolinfo-policy>
    <secpolinfo-policy-provider-prefix>
      secpolinfo-policy-provider-prefix
    </secpolinfo-policy-provider-prefix>
    <secpolinfo-policy-provider-id>
      secpolinfo-policy-provider-id
    </secpolinfo-policy-provider-id>
    <secpolinfo-policy-applied-role>
      secpolinfo-policy-applied-role
    </secpolinfo-policy-applied-role>
    <secpolinfo-policy-applied-policy>
      secpolinfo-policy-applied-policy
    </secpolinfo-policy-applied-policy>
    <secpolinfo-policy-inherited-role>
      secpolinfo-policy-inherited-role
    </secpolinfo-policy-inherited-role>
    <secpolinfo-policy-inherited-policy>
      secpolinfo-policy-inherited-policy
    </secpolinfo-policy-inherited-policy>
    <resource-utilization>....</resource-utilization>
  </secpolinfo-policy>
</secpolinfo-policy-information>
```

**Description**



## <secpolinfo-policy-information>

### Usage

```
<secpolinfo-policy-information>
  <secpolinfo-policy>....</secpolinfo-policy>
</secpolinfo-policy-information>
```

### Description

## Summary of Services Accounting Response Tags

---

## <detail-entry>

### Usage

```
<detail-entry>
  <tos>
    tos
  </tos>
  <protocol>
    protocol
  </protocol>
  <tcp-flags>
    tcp-flags
  </tcp-flags>
  <source-address>
    source-address
  </source-address>
  <source-prefix-length>
    source-prefix-length
  </source-prefix-length>
  <destination-address>
    destination-address
  </destination-address>
  <destination-prefix-length>
    destination-prefix-length
  </destination-prefix-length>
  <source-port>
    source-port
  </source-port>
  <destination-port>
    destination-port
  </destination-port>
  <input-snmp-interface-index>
    input-snmp-interface-index
  </input-snmp-interface-index>
  <output-snmp-interface-index>
    output-snmp-interface-index
  </output-snmp-interface-index>
  <input-interface-name>
    input-interface-name
  </input-interface-name>
  <output-interface-name>
    output-interface-name
  </output-interface-name>
```

```
<source-as>
  source-as
</source-as>
<destination-as>
  destination-as
</destination-as>
<start-time>
  start-time
</start-time>
<end-time>
  end-time
</end-time>
<packet-count>
  packet-count
</packet-count>
<byte-count>
  byte-count
</byte-count>
<last-active-timeout>....</last-active-timeout>
<source-mask>
  source-mask
</source-mask>
<destination-mask>
  destination-mask
</destination-mask>
<icmp-type>
  icmp-type
</icmp-type>
<mpls-label-1>
  mpls-label-1
</mpls-label-1>
<mpls-label-2>
  mpls-label-2
</mpls-label-2>
<mpls-label-3>
  mpls-label-3
</mpls-label-3>
<top-label-address>
  top-label-address
</top-label-address>
<source-ipv6-address>
  source-ipv6-address
</source-ipv6-address>
<destination-ipv6-address>
  destination-ipv6-address
</destination-ipv6-address>
<destination-peer-as>
  destination-peer-as
</destination-peer-as>
<bgp-nexthop>
  bgp-nexthop
</bgp-nexthop>
<flow-count>
  flow-count
</flow-count>
```

</detail-entry>

**Description**    Detail entry

<detail-entry>

**Usage**

```
<services-accounting-information>
  <flow-detail>
    <detail-entry>
      <tos>
        tos
      </tos>
      <protocol>
        protocol
      </protocol>
      <tcp-flags>
        tcp-flags
      </tcp-flags>
      <source-address>
        source-address
      </source-address>
      <source-prefix-length>
        source-prefix-length
      </source-prefix-length>
      <destination-address>
        destination-address
      </destination-address>
      <destination-prefix-length>
        destination-prefix-length
      </destination-prefix-length>
      <source-port>
        source-port
      </source-port>
      <destination-port>
        destination-port
      </destination-port>
      <input-snmp-interface-index>
        input-snmp-interface-index
      </input-snmp-interface-index>
      <output-snmp-interface-index>
        output-snmp-interface-index
      </output-snmp-interface-index>
      <input-interface-name>
        input-interface-name
      </input-interface-name>
      <output-interface-name>
        output-interface-name
      </output-interface-name>
      <source-as>
        source-as
      </source-as>
      <destination-as>
        destination-as
```

```
</destination-as>
<start-time>
  start-time
</start-time>
<end-time>
  end-time
</end-time>
<packet-count>
  packet-count
</packet-count>
<byte-count>
  byte-count
</byte-count>
<last-active-timeout>....</last-active-timeout>
<source-mask>
  source-mask
</source-mask>
<destination-mask>
  destination-mask
</destination-mask>
<icmp-type>
  icmp-type
</icmp-type>
<mpls-label-1>
  mpls-label-1
</mpls-label-1>
<mpls-label-2>
  mpls-label-2
</mpls-label-2>
<mpls-label-3>
  mpls-label-3
</mpls-label-3>
<top-label-address>
  top-label-address
</top-label-address>
<source-ipv6-address>
  source-ipv6-address
</source-ipv6-address>
<destination-ipv6-address>
  destination-ipv6-address
</destination-ipv6-address>
<destination-peer-as>
  destination-peer-as
</destination-peer-as>
<bgp-nexthop>
  bgp-nexthop
</bgp-nexthop>
<flow-count>
  flow-count
</flow-count>
</detail-entry>
</flow-detail>
</services-accounting-information>
```

**Description**    Detail entry

## <detail-entry>

### Usage

```
<services-accounting-information>
  <flow-aggregate-template-detail>
    <flow-aggregate-template-detail-ipv4>
      <detail-entry>
        <tos>
          tos
        </tos>
        <protocol>
          protocol
        </protocol>
        <tcp-flags>
          tcp-flags
        </tcp-flags>
        <source-address>
          source-address
        </source-address>
        <source-prefix-length>
          source-prefix-length
        </source-prefix-length>
        <destination-address>
          destination-address
        </destination-address>
        <destination-prefix-length>
          destination-prefix-length
        </destination-prefix-length>
        <source-port>
          source-port
        </source-port>
        <destination-port>
          destination-port
        </destination-port>
        <input-snmp-interface-index>
          input-snmp-interface-index
        </input-snmp-interface-index>
        <output-snmp-interface-index>
          output-snmp-interface-index
        </output-snmp-interface-index>
        <input-interface-name>
          input-interface-name
        </input-interface-name>
        <output-interface-name>
          output-interface-name
        </output-interface-name>
        <source-as>
          source-as
        </source-as>
        <destination-as>
          destination-as
        </destination-as>
        <start-time>
```

```
    start-time
  </start-time>
  <end-time>
    end-time
  </end-time>
  <packet-count>
    packet-count
  </packet-count>
  <byte-count>
    byte-count
  </byte-count>
  <last-active-timeout>...</last-active-timeout>
  <source-mask>
    source-mask
  </source-mask>
  <destination-mask>
    destination-mask
  </destination-mask>
  <icmp-type>
    icmp-type
  </icmp-type>
  <mpls-label-1>
    mpls-label-1
  </mpls-label-1>
  <mpls-label-2>
    mpls-label-2
  </mpls-label-2>
  <mpls-label-3>
    mpls-label-3
  </mpls-label-3>
  <top-label-address>
    top-label-address
  </top-label-address>
  <source-ipv6-address>
    source-ipv6-address
  </source-ipv6-address>
  <destination-ipv6-address>
    destination-ipv6-address
  </destination-ipv6-address>
  <destination-peer-as>
    destination-peer-as
  </destination-peer-as>
  <bgp-nexthop>
    bgp-nexthop
  </bgp-nexthop>
  <flow-count>
    flow-count
  </flow-count>
</detail-entry>
</flow-aggregate-template-detail-ipv4>
</flow-aggregate-template-detail>
</services-accounting-information>
```

**Description**    Detail entry

## &lt;detail-entry&gt;

## Usage

```

<services-accounting-information>
  <flow-aggregate-template-detail>
    <flow-aggregate-template-detail-mpls>
      <detail-entry>
        <tos>
          tos
        </tos>
        <protocol>
          protocol
        </protocol>
        <tcp-flags>
          tcp-flags
        </tcp-flags>
        <source-address>
          source-address
        </source-address>
        <source-prefix-length>
          source-prefix-length
        </source-prefix-length>
        <destination-address>
          destination-address
        </destination-address>
        <destination-prefix-length>
          destination-prefix-length
        </destination-prefix-length>
        <source-port>
          source-port
        </source-port>
        <destination-port>
          destination-port
        </destination-port>
        <input-snmp-interface-index>
          input-snmp-interface-index
        </input-snmp-interface-index>
        <output-snmp-interface-index>
          output-snmp-interface-index
        </output-snmp-interface-index>
        <input-interface-name>
          input-interface-name
        </input-interface-name>
        <output-interface-name>
          output-interface-name
        </output-interface-name>
        <source-as>
          source-as
        </source-as>
        <destination-as>
          destination-as
        </destination-as>
        <start-time>
          start-time
        </start-time>
      </detail-entry>
    </flow-aggregate-template-detail-mpls>
  </flow-aggregate-template-detail>
</services-accounting-information>

```

```
<end-time>
  end-time
</end-time>
<packet-count>
  packet-count
</packet-count>
<byte-count>
  byte-count
</byte-count>
<last-active-timeout>....</last-active-timeout>
<source-mask>
  source-mask
</source-mask>
<destination-mask>
  destination-mask
</destination-mask>
<icmp-type>
  icmp-type
</icmp-type>
<mpls-label-1>
  mpls-label-1
</mpls-label-1>
<mpls-label-2>
  mpls-label-2
</mpls-label-2>
<mpls-label-3>
  mpls-label-3
</mpls-label-3>
<top-label-address>
  top-label-address
</top-label-address>
<source-ipv6-address>
  source-ipv6-address
</source-ipv6-address>
<destination-ipv6-address>
  destination-ipv6-address
</destination-ipv6-address>
<destination-peer-as>
  destination-peer-as
</destination-peer-as>
<bgp-nexthop>
  bgp-nexthop
</bgp-nexthop>
<flow-count>
  flow-count
</flow-count>
</detail-entry>
</flow-aggregate-template-detail-mpls>
</flow-aggregate-template-detail>
</services-accounting-information>
```

**Description**    Detail entry



## &lt;detail-entry&gt;

## Usage

```

<services-accounting-information>
  <flow-aggregate-template-detail>
    <flow-aggregate-template-detail-mpls-ipv4>
      <detail-entry>
        <tos>
          tos
        </tos>
        <protocol>
          protocol
        </protocol>
        <tcp-flags>
          tcp-flags
        </tcp-flags>
        <source-address>
          source-address
        </source-address>
        <source-prefix-length>
          source-prefix-length
        </source-prefix-length>
        <destination-address>
          destination-address
        </destination-address>
        <destination-prefix-length>
          destination-prefix-length
        </destination-prefix-length>
        <source-port>
          source-port
        </source-port>
        <destination-port>
          destination-port
        </destination-port>
        <input-snmp-interface-index>
          input-snmp-interface-index
        </input-snmp-interface-index>
        <output-snmp-interface-index>
          output-snmp-interface-index
        </output-snmp-interface-index>
        <input-interface-name>
          input-interface-name
        </input-interface-name>
        <output-interface-name>
          output-interface-name
        </output-interface-name>
        <source-as>
          source-as
        </source-as>
        <destination-as>
          destination-as
        </destination-as>
        <start-time>
          start-time
        </start-time>
      </detail-entry>
    </flow-aggregate-template-detail-mpls-ipv4>
  </flow-aggregate-template-detail>
</services-accounting-information>

```

```
<end-time>
  end-time
</end-time>
<packet-count>
  packet-count
</packet-count>
<byte-count>
  byte-count
</byte-count>
<last-active-timeout>....</last-active-timeout>
<source-mask>
  source-mask
</source-mask>
<destination-mask>
  destination-mask
</destination-mask>
<icmp-type>
  icmp-type
</icmp-type>
<mpls-label-1>
  mpls-label-1
</mpls-label-1>
<mpls-label-2>
  mpls-label-2
</mpls-label-2>
<mpls-label-3>
  mpls-label-3
</mpls-label-3>
<top-label-address>
  top-label-address
</top-label-address>
<source-ipv6-address>
  source-ipv6-address
</source-ipv6-address>
<destination-ipv6-address>
  destination-ipv6-address
</destination-ipv6-address>
<destination-peer-as>
  destination-peer-as
</destination-peer-as>
<bgp-nexthop>
  bgp-nexthop
</bgp-nexthop>
<flow-count>
  flow-count
</flow-count>
</detail-entry>
</flow-aggregate-template-detail-mpls-ipv4>
</flow-aggregate-template-detail>
</services-accounting-information>
```

**Description**    Detail entry

## &lt;detail-entry&gt;

## Usage

```

<services-accounting-information>
  <flow-aggregate-template-detail>
    <flow-aggregate-template-detail-ipv6>
      <detail-entry>
        <tos>
          tos
        </tos>
        <protocol>
          protocol
        </protocol>
        <tcp-flags>
          tcp-flags
        </tcp-flags>
        <source-address>
          source-address
        </source-address>
        <source-prefix-length>
          source-prefix-length
        </source-prefix-length>
        <destination-address>
          destination-address
        </destination-address>
        <destination-prefix-length>
          destination-prefix-length
        </destination-prefix-length>
        <source-port>
          source-port
        </source-port>
        <destination-port>
          destination-port
        </destination-port>
        <input-snmp-interface-index>
          input-snmp-interface-index
        </input-snmp-interface-index>
        <output-snmp-interface-index>
          output-snmp-interface-index
        </output-snmp-interface-index>
        <input-interface-name>
          input-interface-name
        </input-interface-name>
        <output-interface-name>
          output-interface-name
        </output-interface-name>
        <source-as>
          source-as
        </source-as>
        <destination-as>
          destination-as
        </destination-as>
        <start-time>
          start-time
        </start-time>
      </detail-entry>
    </flow-aggregate-template-detail-ipv6>
  </flow-aggregate-template-detail>
</services-accounting-information>

```

```
<end-time>
  end-time
</end-time>
<packet-count>
  packet-count
</packet-count>
<byte-count>
  byte-count
</byte-count>
<last-active-timeout>....</last-active-timeout>
<source-mask>
  source-mask
</source-mask>
<destination-mask>
  destination-mask
</destination-mask>
<icmp-type>
  icmp-type
</icmp-type>
<mpls-label-1>
  mpls-label-1
</mpls-label-1>
<mpls-label-2>
  mpls-label-2
</mpls-label-2>
<mpls-label-3>
  mpls-label-3
</mpls-label-3>
<top-label-address>
  top-label-address
</top-label-address>
<source-ipv6-address>
  source-ipv6-address
</source-ipv6-address>
<destination-ipv6-address>
  destination-ipv6-address
</destination-ipv6-address>
<destination-peer-as>
  destination-peer-as
</destination-peer-as>
<bgp-nexthop>
  bgp-nexthop
</bgp-nexthop>
<flow-count>
  flow-count
</flow-count>
</detail-entry>
</flow-aggregate-template-detail-ipv6>
</flow-aggregate-template-detail>
</services-accounting-information>
```

**Description**    Detail entry

## &lt;detail-entry&gt;

## Usage

```

<services-accounting-information>
  <flow-aggregate-template-detail>
    <flow-aggregate-template-detail-peer-as-billing>
      <detail-entry>
        <tos>
          tos
        </tos>
        <protocol>
          protocol
        </protocol>
        <tcp-flags>
          tcp-flags
        </tcp-flags>
        <source-address>
          source-address
        </source-address>
        <source-prefix-length>
          source-prefix-length
        </source-prefix-length>
        <destination-address>
          destination-address
        </destination-address>
        <destination-prefix-length>
          destination-prefix-length
        </destination-prefix-length>
        <source-port>
          source-port
        </source-port>
        <destination-port>
          destination-port
        </destination-port>
        <input-snmp-interface-index>
          input-snmp-interface-index
        </input-snmp-interface-index>
        <output-snmp-interface-index>
          output-snmp-interface-index
        </output-snmp-interface-index>
        <input-interface-name>
          input-interface-name
        </input-interface-name>
        <output-interface-name>
          output-interface-name
        </output-interface-name>
        <source-as>
          source-as
        </source-as>
        <destination-as>
          destination-as
        </destination-as>
        <start-time>
          start-time
        </start-time>
      </detail-entry>
    </flow-aggregate-template-detail-peer-as-billing>
  </flow-aggregate-template-detail>
</services-accounting-information>

```

```
<end-time>
  end-time
</end-time>
<packet-count>
  packet-count
</packet-count>
<byte-count>
  byte-count
</byte-count>
<last-active-timeout>....</last-active-timeout>
<source-mask>
  source-mask
</source-mask>
<destination-mask>
  destination-mask
</destination-mask>
<icmp-type>
  icmp-type
</icmp-type>
<mpls-label-1>
  mpls-label-1
</mpls-label-1>
<mpls-label-2>
  mpls-label-2
</mpls-label-2>
<mpls-label-3>
  mpls-label-3
</mpls-label-3>
<top-label-address>
  top-label-address
</top-label-address>
<source-ipv6-address>
  source-ipv6-address
</source-ipv6-address>
<destination-ipv6-address>
  destination-ipv6-address
</destination-ipv6-address>
<destination-peer-as>
  destination-peer-as
</destination-peer-as>
<bgp-nexthop>
  bgp-nexthop
</bgp-nexthop>
<flow-count>
  flow-count
</flow-count>
</detail-entry>
</flow-aggregate-template-detail-peer-as-billing>
</flow-aggregate-template-detail>
</services-accounting-information>
```

**Description**    Detail entry

## &lt;detail-entry&gt;

## Usage

```

<services-accounting-information>
  <flow-aggregate-as-detail>
    <detail-entry>
      <tos>
        tos
      </tos>
      <protocol>
        protocol
      </protocol>
      <tcp-flags>
        tcp-flags
      </tcp-flags>
      <source-address>
        source-address
      </source-address>
      <source-prefix-length>
        source-prefix-length
      </source-prefix-length>
      <destination-address>
        destination-address
      </destination-address>
      <destination-prefix-length>
        destination-prefix-length
      </destination-prefix-length>
      <source-port>
        source-port
      </source-port>
      <destination-port>
        destination-port
      </destination-port>
      <input-snmp-interface-index>
        input-snmp-interface-index
      </input-snmp-interface-index>
      <output-snmp-interface-index>
        output-snmp-interface-index
      </output-snmp-interface-index>
      <input-interface-name>
        input-interface-name
      </input-interface-name>
      <output-interface-name>
        output-interface-name
      </output-interface-name>
      <source-as>
        source-as
      </source-as>
      <destination-as>
        destination-as
      </destination-as>
      <start-time>
        start-time
      </start-time>
      <end-time>

```

```
    end-time
  </end-time>
  <packet-count>
    packet-count
  </packet-count>
  <byte-count>
    byte-count
  </byte-count>
  <last-active-timeout>....</last-active-timeout>
  <source-mask>
    source-mask
  </source-mask>
  <destination-mask>
    destination-mask
  </destination-mask>
  <icmp-type>
    icmp-type
  </icmp-type>
  <mpls-label-1>
    mpls-label-1
  </mpls-label-1>
  <mpls-label-2>
    mpls-label-2
  </mpls-label-2>
  <mpls-label-3>
    mpls-label-3
  </mpls-label-3>
  <top-label-address>
    top-label-address
  </top-label-address>
  <source-ipv6-address>
    source-ipv6-address
  </source-ipv6-address>
  <destination-ipv6-address>
    destination-ipv6-address
  </destination-ipv6-address>
  <destination-peer-as>
    destination-peer-as
  </destination-peer-as>
  <bgp-nexthop>
    bgp-nexthop
  </bgp-nexthop>
  <flow-count>
    flow-count
  </flow-count>
</detail-entry>
</flow-aggregate-as-detail>
</services-accounting-information>
```

**Description**    Detail entry



## &lt;detail-entry&gt;

## Usage

```

<services-accounting-information>
  <flow-aggregate-protocol-port-detail>
    <detail-entry>
      <tos>
        tos
      </tos>
      <protocol>
        protocol
      </protocol>
      <tcp-flags>
        tcp-flags
      </tcp-flags>
      <source-address>
        source-address
      </source-address>
      <source-prefix-length>
        source-prefix-length
      </source-prefix-length>
      <destination-address>
        destination-address
      </destination-address>
      <destination-prefix-length>
        destination-prefix-length
      </destination-prefix-length>
      <source-port>
        source-port
      </source-port>
      <destination-port>
        destination-port
      </destination-port>
      <input-snmp-interface-index>
        input-snmp-interface-index
      </input-snmp-interface-index>
      <output-snmp-interface-index>
        output-snmp-interface-index
      </output-snmp-interface-index>
      <input-interface-name>
        input-interface-name
      </input-interface-name>
      <output-interface-name>
        output-interface-name
      </output-interface-name>
      <source-as>
        source-as
      </source-as>
      <destination-as>
        destination-as
      </destination-as>
      <start-time>
        start-time
      </start-time>
      <end-time>

```

```
    end-time
  </end-time>
  <packet-count>
    packet-count
  </packet-count>
  <byte-count>
    byte-count
  </byte-count>
  <last-active-timeout>....</last-active-timeout>
  <source-mask>
    source-mask
  </source-mask>
  <destination-mask>
    destination-mask
  </destination-mask>
  <icmp-type>
    icmp-type
  </icmp-type>
  <mpls-label-1>
    mpls-label-1
  </mpls-label-1>
  <mpls-label-2>
    mpls-label-2
  </mpls-label-2>
  <mpls-label-3>
    mpls-label-3
  </mpls-label-3>
  <top-label-address>
    top-label-address
  </top-label-address>
  <source-ipv6-address>
    source-ipv6-address
  </source-ipv6-address>
  <destination-ipv6-address>
    destination-ipv6-address
  </destination-ipv6-address>
  <destination-peer-as>
    destination-peer-as
  </destination-peer-as>
  <bgp-nexthop>
    bgp-nexthop
  </bgp-nexthop>
  <flow-count>
    flow-count
  </flow-count>
</detail-entry>
</flow-aggregate-protocol-port-detail>
</services-accounting-information>
```

**Description**    Detail entry

## &lt;detail-entry&gt;

## Usage

```

<services-accounting-information>
  <flow-aggregate-source-prefix-detail>
    <detail-entry>
      <tos>
        tos
      </tos>
      <protocol>
        protocol
      </protocol>
      <tcp-flags>
        tcp-flags
      </tcp-flags>
      <source-address>
        source-address
      </source-address>
      <source-prefix-length>
        source-prefix-length
      </source-prefix-length>
      <destination-address>
        destination-address
      </destination-address>
      <destination-prefix-length>
        destination-prefix-length
      </destination-prefix-length>
      <source-port>
        source-port
      </source-port>
      <destination-port>
        destination-port
      </destination-port>
      <input-snmp-interface-index>
        input-snmp-interface-index
      </input-snmp-interface-index>
      <output-snmp-interface-index>
        output-snmp-interface-index
      </output-snmp-interface-index>
      <input-interface-name>
        input-interface-name
      </input-interface-name>
      <output-interface-name>
        output-interface-name
      </output-interface-name>
      <source-as>
        source-as
      </source-as>
      <destination-as>
        destination-as
      </destination-as>
      <start-time>
        start-time
      </start-time>
      <end-time>

```

```
    end-time
  </end-time>
  <packet-count>
    packet-count
  </packet-count>
  <byte-count>
    byte-count
  </byte-count>
  <last-active-timeout>....</last-active-timeout>
  <source-mask>
    source-mask
  </source-mask>
  <destination-mask>
    destination-mask
  </destination-mask>
  <icmp-type>
    icmp-type
  </icmp-type>
  <mpls-label-1>
    mpls-label-1
  </mpls-label-1>
  <mpls-label-2>
    mpls-label-2
  </mpls-label-2>
  <mpls-label-3>
    mpls-label-3
  </mpls-label-3>
  <top-label-address>
    top-label-address
  </top-label-address>
  <source-ipv6-address>
    source-ipv6-address
  </source-ipv6-address>
  <destination-ipv6-address>
    destination-ipv6-address
  </destination-ipv6-address>
  <destination-peer-as>
    destination-peer-as
  </destination-peer-as>
  <bgp-nexthop>
    bgp-nexthop
  </bgp-nexthop>
  <flow-count>
    flow-count
  </flow-count>
</detail-entry>
</flow-aggregate-source-prefix-detail>
</services-accounting-information>
```

**Description**    Detail entry

## &lt;detail-entry&gt;

## Usage

```

<services-accounting-information>
  <flow-aggregate-destination-prefix-detail>
    <detail-entry>
      <tos>
        tos
      </tos>
      <protocol>
        protocol
      </protocol>
      <tcp-flags>
        tcp-flags
      </tcp-flags>
      <source-address>
        source-address
      </source-address>
      <source-prefix-length>
        source-prefix-length
      </source-prefix-length>
      <destination-address>
        destination-address
      </destination-address>
      <destination-prefix-length>
        destination-prefix-length
      </destination-prefix-length>
      <source-port>
        source-port
      </source-port>
      <destination-port>
        destination-port
      </destination-port>
      <input-snmp-interface-index>
        input-snmp-interface-index
      </input-snmp-interface-index>
      <output-snmp-interface-index>
        output-snmp-interface-index
      </output-snmp-interface-index>
      <input-interface-name>
        input-interface-name
      </input-interface-name>
      <output-interface-name>
        output-interface-name
      </output-interface-name>
      <source-as>
        source-as
      </source-as>
      <destination-as>
        destination-as
      </destination-as>
      <start-time>
        start-time
      </start-time>
      <end-time>

```

```
    end-time
  </end-time>
  <packet-count>
    packet-count
  </packet-count>
  <byte-count>
    byte-count
  </byte-count>
  <last-active-timeout>....</last-active-timeout>
  <source-mask>
    source-mask
  </source-mask>
  <destination-mask>
    destination-mask
  </destination-mask>
  <icmp-type>
    icmp-type
  </icmp-type>
  <mpls-label-1>
    mpls-label-1
  </mpls-label-1>
  <mpls-label-2>
    mpls-label-2
  </mpls-label-2>
  <mpls-label-3>
    mpls-label-3
  </mpls-label-3>
  <top-label-address>
    top-label-address
  </top-label-address>
  <source-ipv6-address>
    source-ipv6-address
  </source-ipv6-address>
  <destination-ipv6-address>
    destination-ipv6-address
  </destination-ipv6-address>
  <destination-peer-as>
    destination-peer-as
  </destination-peer-as>
  <bgp-nexthop>
    bgp-nexthop
  </bgp-nexthop>
  <flow-count>
    flow-count
  </flow-count>
</detail-entry>
</flow-aggregate-destination-prefix-detail>
</services-accounting-information>
```

**Description**    Detail entry

## &lt;detail-entry&gt;

## Usage

```

<services-accounting-information>
  <flow-aggregate-source-destination-prefix-detail>
    <detail-entry>
      <tos>
        tos
      </tos>
      <protocol>
        protocol
      </protocol>
      <tcp-flags>
        tcp-flags
      </tcp-flags>
      <source-address>
        source-address
      </source-address>
      <source-prefix-length>
        source-prefix-length
      </source-prefix-length>
      <destination-address>
        destination-address
      </destination-address>
      <destination-prefix-length>
        destination-prefix-length
      </destination-prefix-length>
      <source-port>
        source-port
      </source-port>
      <destination-port>
        destination-port
      </destination-port>
      <input-snmp-interface-index>
        input-snmp-interface-index
      </input-snmp-interface-index>
      <output-snmp-interface-index>
        output-snmp-interface-index
      </output-snmp-interface-index>
      <input-interface-name>
        input-interface-name
      </input-interface-name>
      <output-interface-name>
        output-interface-name
      </output-interface-name>
      <source-as>
        source-as
      </source-as>
      <destination-as>
        destination-as
      </destination-as>
      <start-time>
        start-time
      </start-time>
      <end-time>

```

```
    end-time
  </end-time>
  <packet-count>
    packet-count
  </packet-count>
  <byte-count>
    byte-count
  </byte-count>
  <last-active-timeout>....</last-active-timeout>
  <source-mask>
    source-mask
  </source-mask>
  <destination-mask>
    destination-mask
  </destination-mask>
  <icmp-type>
    icmp-type
  </icmp-type>
  <mpls-label-1>
    mpls-label-1
  </mpls-label-1>
  <mpls-label-2>
    mpls-label-2
  </mpls-label-2>
  <mpls-label-3>
    mpls-label-3
  </mpls-label-3>
  <top-label-address>
    top-label-address
  </top-label-address>
  <source-ipv6-address>
    source-ipv6-address
  </source-ipv6-address>
  <destination-ipv6-address>
    destination-ipv6-address
  </destination-ipv6-address>
  <destination-peer-as>
    destination-peer-as
  </destination-peer-as>
  <bgp-nexthop>
    bgp-nexthop
  </bgp-nexthop>
  <flow-count>
    flow-count
  </flow-count>
</detail-entry>
</flow-aggregate-source-destination-prefix-detail>
</services-accounting-information>
```

**Description**    Detail entry



## <error-information>

### Usage

```

<services-accounting-information>
  <error-information>
    <error-packets-dropped-no-memory>
      error-packets-dropped-no-memory
    </error-packets-dropped-no-memory>
    <error-packets-dropped-not-ip>
      error-packets-dropped-not-ip
    </error-packets-dropped-not-ip>
    <error-packets-dropped-not-ipv4>
      error-packets-dropped-not-ipv4
    </error-packets-dropped-not-ipv4>
    <error-packets-too-small>
      error-packets-too-small
    </error-packets-too-small>
    <error-allocation-failures>
      error-allocation-failures
    </error-allocation-failures>
    <error-free-failures>
      error-free-failures
    </error-free-failures>
    <error-free-list-failures>
      error-free-list-failures
    </error-free-list-failures>
    <error-memory-warning>
      error-memory-warning
    </error-memory-warning>
    <error-memory-overload>
      error-memory-overload
    </error-memory-overload>
    <error-packets-per-second-overload>
      error-packets-per-second-overload
    </error-packets-per-second-overload>
    <error-bytes-per-second-overload>
      error-bytes-per-second-overload
    </error-bytes-per-second-overload>
  </error-information>
</services-accounting-information>

```

**Description** Service accounting error information

## <flow-aggregate-as-detail>

### Usage

```

<services-accounting-information>
  <flow-aggregate-as-detail>
    <detail-entry>....</detail-entry>
  </flow-aggregate-as-detail>
</services-accounting-information>

```

**Description** Service accounting AS flow aggregate record detail

### <flow-aggregate-destination-prefix-detail>

**Usage**

```
<services-accounting-information>  
  <flow-aggregate-destination-prefix-detail>  
    <detail-entry>....</detail-entry>  
  </flow-aggregate-destination-prefix-detail>  
</services-accounting-information>
```

**Description** Service accounting destination prefix aggregate record detail

### <flow-aggregate-protocol-port-detail>

**Usage**

```
<services-accounting-information>  
  <flow-aggregate-protocol-port-detail>  
    <detail-entry>....</detail-entry>  
  </flow-aggregate-protocol-port-detail>  
</services-accounting-information>
```

**Description** Service accounting protocol-port aggregate record detail

### <flow-aggregate-source-destination-prefix-detail>

**Usage**

```
<services-accounting-information>  
  <flow-aggregate-source-destination-prefix-detail>  
    <detail-entry>....</detail-entry>  
  </flow-aggregate-source-destination-prefix-detail>  
</services-accounting-information>
```

**Description** Service accounting source-destination prefix aggregate record detail

### <flow-aggregate-source-prefix-detail>

**Usage**

```
<services-accounting-information>  
  <flow-aggregate-source-prefix-detail>  
    <detail-entry>....</detail-entry>  
  </flow-aggregate-source-prefix-detail>  
</services-accounting-information>
```

**Description** Service accounting source prefix aggregate record detail

### <flow-aggregate-template-detail>

#### Usage

```

<services-accounting-information>
  <flow-aggregate-template-detail>
    <flow-aggregate-template-detail-ipv4>....</flow-aggregate-template-detail-ipv4>

    <flow-aggregate-template-detail-mpls>....</flow-aggregate-template-detail-mpls>

    <flow-aggregate-template-detail-mpls-ipv4>....</flow-aggregate-template-detail-mpls-ipv4>

    <flow-aggregate-template-detail-ipv6>....</flow-aggregate-template-detail-ipv6>

    <flow-aggregate-template-detail-peer-as-billing>....</flow-aggregate-template-detail-peer-as-billing>

  </flow-aggregate-template-detail>
</services-accounting-information>

```

**Description** Service accounting template aggregate record detail

### <flow-aggregate-template-detail-ipv4>

#### Usage

```

<services-accounting-information>
  <flow-aggregate-template-detail>
    <flow-aggregate-template-detail-ipv4>
      <detail-entry>....</detail-entry>
    </flow-aggregate-template-detail-ipv4>
  </flow-aggregate-template-detail>
</services-accounting-information>

```

#### Description

### <flow-aggregate-template-detail-ipv6>

#### Usage

```

<services-accounting-information>
  <flow-aggregate-template-detail>
    <flow-aggregate-template-detail-ipv6>
      <detail-entry>....</detail-entry>
    </flow-aggregate-template-detail-ipv6>
  </flow-aggregate-template-detail>
</services-accounting-information>

```

#### Description

### <flow-aggregate-template-detail-mpls>

#### Usage

```

<services-accounting-information>

```

```
<flow-aggregate-template-detail>
  <flow-aggregate-template-detail-mpls>
    <detail-entry>....</detail-entry>
  </flow-aggregate-template-detail-mpls>
</flow-aggregate-template-detail>
</services-accounting-information>
```

#### Description

### <flow-aggregate-template-detail-mpls-ipv4>

#### Usage

```
<services-accounting-information>
  <flow-aggregate-template-detail>
    <flow-aggregate-template-detail-mpls-ipv4>
      <detail-entry>....</detail-entry>
    </flow-aggregate-template-detail-mpls-ipv4>
  </flow-aggregate-template-detail>
</services-accounting-information>
```

#### Description

### <flow-aggregate-template-detail-peer-as-billing>

#### Usage

```
<services-accounting-information>
  <flow-aggregate-template-detail>
    <flow-aggregate-template-detail-peer-as-billing>
      <detail-entry>....</detail-entry>
    </flow-aggregate-template-detail-peer-as-billing>
  </flow-aggregate-template-detail>
</services-accounting-information>
```

#### Description

### <flow-detail>

#### Usage

```
<services-accounting-information>
  <flow-detail>
    <detail-entry>....</detail-entry>
  </flow-detail>
</services-accounting-information>
```

**Description** Service accounting flow record detail

### <flow-information>

#### Usage

```
<services-accounting-information>
  <flow-information>
```

```

<interface-name>
  interface-name
</interface-name>
<local_ifd_index>
  local_ifd_index
</local_ifd_index>
<flow-packets>
  flow-packets
</flow-packets>
<flow-bytes>
  flow-bytes
</flow-bytes>
<flow-packets-ten-second-rate>
  flow-packets-ten-second-rate
</flow-packets-ten-second-rate>
<flow-bytes-ten-second-rate>
  flow-bytes-ten-second-rate
</flow-bytes-ten-second-rate>
<active-flows>
  active-flows
</active-flows>
<flows>
  flows
</flows>
<flows-exported>
  flows-exported
</flows-exported>
<flow-packets-exported>
  flow-packets-exported
</flow-packets-exported>
<flows-expired>
  flows-expired
</flows-expired>
<flows-aged>
  flows-aged
</flows-aged>
</flow-information>
</services-accounting-information>

```

**Description** Service accounting flow information

### <inline-jflow-error-information>

#### Usage

```

<services-accounting-information>
  <inline-jflow-error-information>
    <fpc-slot>
      fpc-slot
    </fpc-slot>
    <inline-flow-creation-failures>
      inline-flow-creation-failures
    </inline-flow-creation-failures>
    <ring-buffer-failures>
      ring-buffer-failures

```

```
</ring-buffer-failures>
<inline-route-record-lookup-failure>
  inline-route-record-lookup-failure
</inline-route-record-lookup-failure>
<inline-as-lookup-failures>
  inline-as-lookup-failures
</inline-as-lookup-failures>
<inline-export-packet-failures>
  inline-export-packet-failures
</inline-export-packet-failures>
<inline-memory-overload>
  inline-memory-overload
</inline-memory-overload>
</inline-jflow-error-information>
</services-accounting-information>
```

**Description**    Inline Jflow accounting error information

### <inline-jflow-flow-information>

#### Usage

```
<services-accounting-information>
<inline-jflow-flow-information>
  <fpc-slot>
    fpc-slot
  </fpc-slot>
  <inline-flow-packets>
    inline-flow-packets
  </inline-flow-packets>
  <inline-flow-bytes>
    inline-flow-bytes
  </inline-flow-bytes>
  <inline-active-flows>
    inline-active-flows
  </inline-active-flows>
  <inline-flows>
    inline-flows
  </inline-flows>
  <inline-flows-exported>
    inline-flows-exported
  </inline-flows-exported>
  <inline-flow-packets-exported>
    inline-flow-packets-exported
  </inline-flow-packets-exported>
  <inline-flows-expired>
    inline-flows-expired
  </inline-flows-expired>
  <inline-flows-aged>
    inline-flows-aged
  </inline-flows-aged>
</inline-jflow-flow-information>
</services-accounting-information>
```

**Description** Service accounting flow information

### <inline-jflow-status-information>

#### Usage

```
<services-accounting-information>
  <inline-jflow-status-information>
    <fpc-slot>
      fpc-slot
    </fpc-slot>
    <inline-status-export-format>
      inline-status-export-format
    </inline-status-export-format>
    <inline-status-route-record-count>
      inline-status-route-record-count
    </inline-status-route-record-count>
    <inline-status-as-count>
      inline-status-as-count
    </inline-status-as-count>
    <ring-buffer-entries>
      ring-buffer-entries
    </ring-buffer-entries>
    <inline-status-route-record-set>
      inline-status-route-record-set
    </inline-status-route-record-set>
    <inline-status-config-set>
      inline-status-config-set
    </inline-status-config-set>
  </inline-jflow-status-information>
</services-accounting-information>
```

**Description** Service accounting status information

### <last-active-timeout>

#### Usage

```
<last-active-timeout>
  <time-delta>
    time-delta
  </time-delta>
  <last-packet-count>
    last-packet-count
  </last-packet-count>
  <last-byte-count>
    last-byte-count
  </last-byte-count>
</last-active-timeout>
```

**Description** Last active timeout data

## <last-active-timeout>

### Usage

```
<detail-entry>
  <last-active-timeout>
    <time-delta>
      time-delta
    </time-delta>
    <last-packet-count>
      last-packet-count
    </last-packet-count>
    <last-byte-count>
      last-byte-count
    </last-byte-count>
  </last-active-timeout>
</detail-entry>
```

**Description** Last active timeout data

## <last-active-timeout>

### Usage

```
<services-accounting-information>
  <flow-detail>
    <detail-entry>
      <last-active-timeout>
        <time-delta>
          time-delta
        </time-delta>
        <last-packet-count>
          last-packet-count
        </last-packet-count>
        <last-byte-count>
          last-byte-count
        </last-byte-count>
      </last-active-timeout>
    </detail-entry>
  </flow-detail>
</services-accounting-information>
```

**Description** Last active timeout data

## <last-active-timeout>

### Usage

```
<services-accounting-information>
  <flow-aggregate-template-detail>
    <flow-aggregate-template-detail-ipv4>
      <detail-entry>
        <last-active-timeout>
          <time-delta>
            time-delta
          </time-delta>
        </last-active-timeout>
      </detail-entry>
    </flow-aggregate-template-detail-ipv4>
  </flow-aggregate-template-detail>
</services-accounting-information>
```



```

        </time-delta>
        <last-packet-count>
            last-packet-count
        </last-packet-count>
        <last-byte-count>
            last-byte-count
        </last-byte-count>
    </last-active-timeout>
</detail-entry>
</flow-aggregate-template-detail-ipv4>
</flow-aggregate-template-detail>
</services-accounting-information>

```

**Description** Last active timeout data

### <last-active-timeout>

#### Usage

```

<services-accounting-information>
  <flow-aggregate-template-detail>
    <flow-aggregate-template-detail-mpls>
      <detail-entry>
        <last-active-timeout>
          <time-delta>
            time-delta
          </time-delta>
          <last-packet-count>
            last-packet-count
          </last-packet-count>
          <last-byte-count>
            last-byte-count
          </last-byte-count>
        </last-active-timeout>
      </detail-entry>
    </flow-aggregate-template-detail-mpls>
  </flow-aggregate-template-detail>
</services-accounting-information>

```

**Description** Last active timeout data

### <last-active-timeout>

#### Usage

```

<services-accounting-information>
  <flow-aggregate-template-detail>
    <flow-aggregate-template-detail-mpls-ipv4>
      <detail-entry>
        <last-active-timeout>
          <time-delta>
            time-delta
          </time-delta>
          <last-packet-count>

```

```
        last-packet-count
      </last-packet-count>
      <last-byte-count>
        last-byte-count
      </last-byte-count>
    </last-active-timeout>
  </detail-entry>
</flow-aggregate-template-detail-mpls-ipv4>
</flow-aggregate-template-detail>
</services-accounting-information>
```

**Description** Last active timeout data

### <last-active-timeout>

#### Usage

```
<services-accounting-information>
  <flow-aggregate-template-detail>
    <flow-aggregate-template-detail-ipv6>
      <detail-entry>
        <last-active-timeout>
          <time-delta>
            time-delta
          </time-delta>
          <last-packet-count>
            last-packet-count
          </last-packet-count>
          <last-byte-count>
            last-byte-count
          </last-byte-count>
        </last-active-timeout>
      </detail-entry>
    </flow-aggregate-template-detail-ipv6>
  </flow-aggregate-template-detail>
</services-accounting-information>
```

**Description** Last active timeout data

### <last-active-timeout>

#### Usage

```
<services-accounting-information>
  <flow-aggregate-template-detail>
    <flow-aggregate-template-detail-peer-as-billing>
      <detail-entry>
        <last-active-timeout>
          <time-delta>
            time-delta
          </time-delta>
          <last-packet-count>
            last-packet-count
          </last-packet-count>
```

```
<last-byte-count>
  last-byte-count
</last-byte-count>
</last-active-timeout>
</detail-entry>
</flow-aggregate-template-detail-peer-as-billing>
</flow-aggregate-template-detail>
</services-accounting-information>
```

**Description** Last active timeout data

### <last-active-timeout>

#### Usage

```
<services-accounting-information>
  <flow-aggregate-as-detail>
    <detail-entry>
      <last-active-timeout>
        <time-delta>
          time-delta
        </time-delta>
        <last-packet-count>
          last-packet-count
        </last-packet-count>
        <last-byte-count>
          last-byte-count
        </last-byte-count>
      </last-active-timeout>
    </detail-entry>
  </flow-aggregate-as-detail>
</services-accounting-information>
```

**Description** Last active timeout data

### <last-active-timeout>

#### Usage

```
<services-accounting-information>
  <flow-aggregate-protocol-port-detail>
    <detail-entry>
      <last-active-timeout>
        <time-delta>
          time-delta
        </time-delta>
        <last-packet-count>
          last-packet-count
        </last-packet-count>
        <last-byte-count>
          last-byte-count
        </last-byte-count>
      </last-active-timeout>
    </detail-entry>
```

```
</flow-aggregate-protocol-port-detail>
</services-accounting-information>
```

**Description** Last active timeout data

### <last-active-timeout>

#### Usage

```
<services-accounting-information>
  <flow-aggregate-source-prefix-detail>
    <detail-entry>
      <last-active-timeout>
        <time-delta>
          time-delta
        </time-delta>
        <last-packet-count>
          last-packet-count
        </last-packet-count>
        <last-byte-count>
          last-byte-count
        </last-byte-count>
      </last-active-timeout>
    </detail-entry>
  </flow-aggregate-source-prefix-detail>
</services-accounting-information>
```

**Description** Last active timeout data

### <last-active-timeout>

#### Usage

```
<services-accounting-information>
  <flow-aggregate-destination-prefix-detail>
    <detail-entry>
      <last-active-timeout>
        <time-delta>
          time-delta
        </time-delta>
        <last-packet-count>
          last-packet-count
        </last-packet-count>
        <last-byte-count>
          last-byte-count
        </last-byte-count>
      </last-active-timeout>
    </detail-entry>
  </flow-aggregate-destination-prefix-detail>
</services-accounting-information>
```

**Description** Last active timeout data

## <last-active-timeout>

### Usage

```

<services-accounting-information>
  <flow-aggregate-source-destination-prefix-detail>
    <detail-entry>
      <last-active-timeout>
        <time-delta>
          time-delta
        </time-delta>
        <last-packet-count>
          last-packet-count
        </last-packet-count>
        <last-byte-count>
          last-byte-count
        </last-byte-count>
      </last-active-timeout>
    </detail-entry>
  </flow-aggregate-source-destination-prefix-detail>
</services-accounting-information>

```

**Description** Last active timeout data

## <memory-information>

### Usage

```

<services-accounting-information>
  <memory-information>
    <interface-name>
      interface-name
    </interface-name>
    <allocation-count>
      allocation-count
    </allocation-count>
    <free-count>
      free-count
    </free-count>
    <maximum-allocated>
      maximum-allocated
    </maximum-allocated>
    <allocations-per-second>
      allocations-per-second
    </allocations-per-second>
    <frees-per-second>
      frees-per-second
    </frees-per-second>
    <memory-used>
      memory-used
    </memory-used>
    <memory-free>
      memory-free
    </memory-free>
  </memory-information>
</services-accounting-information>

```

```
    v9-memory-used
  </v9-memory-used>
</memory-information>
</services-accounting-information>
```

**Description** Service accounting memory utilization

## <packet-distribution-information>

### Usage

```
<services-accounting-information>
  <packet-distribution-information>
    <packet-size-range-start>
      packet-size-range-start
    </packet-size-range-start>
    <packet-size-range-end>
      packet-size-range-end
    </packet-size-range-end>
    <range-number-packets>
      range-number-packets
    </range-number-packets>
    <range-percentage-packets>
      range-percentage-packets
    </range-percentage-packets>
  </packet-distribution-information>
</services-accounting-information>
```

**Description** Service accounting packet distribution information

## <services-accounting-information>

### Usage

```
<services-accounting-information>
  <service-name>
    service-name
  </service-name>
  <interface-name>
    interface-name
  </interface-name>
  <pic-status>
    pic-status
  </pic-status>
  <local-index>
    local-index
  </local-index>
  <usage-information>....</usage-information>
  <memory-information>....</memory-information>
  <flow-information>....</flow-information>
  <inline-jflow-flow-information>....</inline-jflow-flow-information>
  <packet-distribution-information>....</packet-distribution-information>
  <error-information>....</error-information>
  <inline-jflow-error-information>....</inline-jflow-error-information>
```

```

<v9-error-information>....</v9-error-information>
<status-information>....</status-information>
<inline-jflow-status-information>....</inline-jflow-status-information>
<flow-detail>....</flow-detail>
<flow-aggregate-template-detail>....</flow-aggregate-template-detail>
<flow-aggregate-as-detail>....</flow-aggregate-as-detail>
<flow-aggregate-protocol-port-detail>....</flow-aggregate-protocol-port-detail>

<flow-aggregate-source-prefix-detail>....</flow-aggregate-source-prefix-detail>

<flow-aggregate-destination-prefix-detail>....</flow-aggregate-destination-prefix-detail>

<flow-aggregate-source-destination-prefix-detail>....</flow-aggregate-source-destination-prefix-detail>

</services-accounting-information>

```

## Description

### <status-information>

#### Usage

```

<services-accounting-information>
<status-information>
  <status-service-id>
    status-service-id
  </status-service-id>
  <status-export-interval>
    status-export-interval
  </status-export-interval>
  <interface-name>
    interface-name
  </interface-name>
  <status-export-format>
    status-export-format
  </status-export-format>
  <status-proto>
    status-proto
  </status-proto>
  <status-engine-type>
    status-engine-type
  </status-engine-type>
  <status-engine-id>
    status-engine-id
  </status-engine-id>
  <status-route-record-count>
    status-route-record-count
  </status-route-record-count>
  <status-ifl-snmp-map-count>
    status-ifl-snmp-map-count
  </status-ifl-snmp-map-count>
  <status-as-count>
    status-as-count
  </status-as-count>

```

```
<status-monitor-time-set>
  status-monitor-time-set
</status-monitor-time-set>
<status-monitor-config-set>
  status-monitor-config-set
</status-monitor-config-set>
<status-monitor-route-record-set>
  status-monitor-route-record-set
</status-monitor-route-record-set>
<status-monitor-ifl-snmp-set>
  status-monitor-ifl-snmp-set
</status-monitor-ifl-snmp-set>
</status-information>
</services-accounting-information>
```

**Description** Service accounting status information

### <usage-information>

#### Usage

```
<services-accounting-information>
  <usage-information>
    <interface-name>
      interface-name
    </interface-name>
    <uptime>
      uptime
    </uptime>
    <inttime>
      inttime
    </inttime>
    <five-second-load>
      five-second-load
    </five-second-load>
    <one-minute-load>
      one-minute-load
    </one-minute-load>
  </usage-information>
</services-accounting-information>
```

**Description** Service accounting CPU utilization

### <v9-error-information>

#### Usage

```
<services-accounting-information>
  <v9-error-information>
    <interface-name>
      interface-name
    </interface-name>
    <service-set-dropped>
      service-set-dropped
  </v9-error-information>
</services-accounting-information>
```



```

</service-set-dropped>
<active-timeout-failures>
  active-timeout-failures
</active-timeout-failures>
<export-packet-failures>
  export-packet-failures
</export-packet-failures>
<flow-creation-failures>
  flow-creation-failures
</flow-creation-failures>
<memory-overload>
  memory-overload
</memory-overload>
</v9-error-information>
</services-accounting-information>

```

**Description** Jflow-v9 accounting error information

## Summary of Services Flow Collector Response Tags

### <export-channel>

#### Usage

```

<services-flow-collector-information>
  <statistics-information>
    <export-channel>
      <export-channel-index>
        export-channel-index
      </export-channel-index>
      <current-server>
        current-server
      </current-server>
      <primary-server-state>
        primary-server-state
      </primary-server-state>
      <secondary-server-state>
        secondary-server-state
      </secondary-server-state>
    </export-channel>
  </statistics-information>
</services-flow-collector-information>

```

**Description** Export channel on interface

### <file>

#### Usage

```

<services-flow-collector-information>
  <file-information>
    <file>
      <file-name>
        file-name

```

```
</file-name>
<flow-records>
  flow-records
</flow-records>
<flow-records-per-second>
  flow-records-per-second
</flow-records-per-second>
<peak-flow-records-per-second>
  peak-flow-records-per-second
</peak-flow-records-per-second>
<uncompressed-bytes>
  uncompressed-bytes
</uncompressed-bytes>
<uncompressed-bytes-per-second>
  uncompressed-bytes-per-second
</uncompressed-bytes-per-second>
<peak-uncompressed-bytes-per-second>
  peak-uncompressed-bytes-per-second
</peak-uncompressed-bytes-per-second>
<compressed-bytes>
  compressed-bytes
</compressed-bytes>
<compressed-bytes-per-second>
  compressed-bytes-per-second
</compressed-bytes-per-second>
<peak-compressed-bytes-per-second>
  peak-compressed-bytes-per-second
</peak-compressed-bytes-per-second>
<compressed-block-count>
  compressed-block-count
</compressed-block-count>
<block-count>
  block-count
</block-count>
<state>
  state
</state>
<transfer-attempts>
  transfer-attempts
</transfer-attempts>
</file>
</file-information>
</services-flow-collector-information>
```

**Description**    File statistics

### <file-information>

#### Usage

```
<services-flow-collector-information>
  <file-information>
    <file>....</file>
  </file-information>
```

```
</services-flow-collector-information>
```

**Description** Service flow collector information about files

### <input>

#### Usage

```
<services-flow-collector-information>
  <input-information>
    <input>
      <input-interface>
        input-interface
      </input-interface>
      <packets>
        packets
      </packets>
      <bytes>
        bytes
      </bytes>
    </input>
  </input-information>
</services-flow-collector-information>
```

**Description** Input interface statistics

### <input-information>

#### Usage

```
<services-flow-collector-information>
  <input-information>
    <input>....</input>
  </input-information>
</services-flow-collector-information>
```

**Description** Service flow collector information for each input

### <services-flow-collector-information>

#### Usage

```
<services-flow-collector-information>
  <interface-name>
    interface-name
  </interface-name>
  <pic-status>
    pic-status
  </pic-status>
  <statistics-information>....</statistics-information>
  <file-information>....</file-information>
  <input-information>....</input-information>
  <flow-collector-destination-response>
    flow-collector-destination-response
```

```
</flow-collector-destination-response>
<test-file-transfer-response>
  test-file-transfer-response
</test-file-transfer-response>
<clear-flow-collector-statistics-response>
  clear-flow-collector-statistics-response
</clear-flow-collector-statistics-response>
</services-flow-collector-information>
```

## Description

### <statistics-information>

#### Usage

```
<services-flow-collector-information>
  <statistics-information>
    <memory-used>
      memory-used
    </memory-used>
    <memory-free>
      memory-free
    </memory-free>
    <packets>
      packets
    </packets>
    <packets-per-second>
      packets-per-second
    </packets-per-second>
    <peak-packets-per-second>
      peak-packets-per-second
    </peak-packets-per-second>
    <bytes>
      bytes
    </bytes>
    <bytes-per-second>
      bytes-per-second
    </bytes-per-second>
    <peak-bytes-per-second>
      peak-bytes-per-second
    </peak-bytes-per-second>
    <flow-record-processed>
      flow-record-processed
    </flow-record-processed>
    <flow-record-processed-per-second>
      flow-record-processed-per-second
    </flow-record-processed-per-second>
    <peak-flow-record-processed-per-second>
      peak-flow-record-processed-per-second
    </peak-flow-record-processed-per-second>
    <blocks-allocated>
      blocks-allocated
    </blocks-allocated>
    <blocks-allocated-per-second>
      blocks-allocated-per-second
    </blocks-allocated-per-second>
```

```
<peak-blocks-allocated-per-second>
  peak-blocks-allocated-per-second
</peak-blocks-allocated-per-second>
<blocks-freed>
  blocks-freed
</blocks-freed>
<blocks-freed-per-second>
  blocks-freed-per-second
</blocks-freed-per-second>
<peak-blocks-freed-per-second>
  peak-blocks-freed-per-second
</peak-blocks-freed-per-second>
<blocks-unavailable>
  blocks-unavailable
</blocks-unavailable>
<blocks-unavailable-per-second>
  blocks-unavailable-per-second
</blocks-unavailable-per-second>
<peak-blocks-unavailable-per-second>
  peak-blocks-unavailable-per-second
</peak-blocks-unavailable-per-second>
<files-created>
  files-created
</files-created>
<files-created-per-second>
  files-created-per-second
</files-created-per-second>
<peak-files-created-per-second>
  peak-files-created-per-second
</peak-files-created-per-second>
<files-exported>
  files-exported
</files-exported>
<files-exported-per-second>
  files-exported-per-second
</files-exported-per-second>
<peak-files-exported-per-second>
  peak-files-exported-per-second
</peak-files-exported-per-second>
<files-destroyed>
  files-destroyed
</files-destroyed>
<files-destroyed-per-second>
  files-destroyed-per-second
</files-destroyed-per-second>
<peak-files-destroyed-per-second>
  peak-files-destroyed-per-second
</peak-files-destroyed-per-second>
<uncompressed-bytes>
  uncompressed-bytes
</uncompressed-bytes>
<uncompressed-bytes-per-second>
  uncompressed-bytes-per-second
</uncompressed-bytes-per-second>
<peak-uncompressed-bytes-per-second>
  peak-uncompressed-bytes-per-second
```

```
</peak-uncompressed-bytes-per-second>
<compressed-bytes>
  compressed-bytes
</compressed-bytes>
<compressed-bytes-per-second>
  compressed-bytes-per-second
</compressed-bytes-per-second>
<peak-compressed-bytes-per-second>
  peak-compressed-bytes-per-second
</peak-compressed-bytes-per-second>
<packet-no-memory-drops>
  packet-no-memory-drops
</packet-no-memory-drops>
<packet-not-ip-drops>
  packet-not-ip-drops
</packet-not-ip-drops>
<packet-not-ipv4-drops>
  packet-not-ipv4-drops
</packet-not-ipv4-drops>
<packet-too-small-drops>
  packet-too-small-drops
</packet-too-small-drops>
<packet-ip-fragment-drops>
  packet-ip-fragment-drops
</packet-ip-fragment-drops>
<packet-icmp-drops>
  packet-icmp-drops
</packet-icmp-drops>
<packet-tcp-drops>
  packet-tcp-drops
</packet-tcp-drops>
<packet-unknown-drops>
  packet-unknown-drops
</packet-unknown-drops>
<packet-not-jflow-drops>
  packet-not-jflow-drops
</packet-not-jflow-drops>
<ftp-bytes>
  ftp-bytes
</ftp-bytes>
<ftp-bytes-per-second>
  ftp-bytes-per-second
</ftp-bytes-per-second>
<peak-ftp-bytes-per-second>
  peak-ftp-bytes-per-second
</peak-ftp-bytes-per-second>
<ftp-files>
  ftp-files
</ftp-files>
<ftp-files-per-second>
  ftp-files-per-second
</ftp-files-per-second>
<peak-ftp-files-per-second>
  peak-ftp-files-per-second
</peak-ftp-files-per-second>
<ftp-failures>
```

```
    ftp-failures
  </ftp-failures>
  <export-channel>....</export-channel>
</statistics-information>
</services-flow-collector-information>
```

**Description** Service flow collector application information

(Remove)

---

## Summary of Shared Memory Event Library Response Tags

---

### <shmlog-information>

**Usage**

```
<shmlog-information>
  <user-information>
    user-information
  </user-information>
</shmlog-information>
```

**Description**

## Summary of Shutdown Response Tags

---

### <clear-reboot-status>

**Usage**

```
<clear-reboot-status>
  <reboot-information-results>
    reboot-information-results
  </reboot-information-results>
  <clear-reboot-status-results>
    clear-reboot-status-results
  </clear-reboot-status-results>
</clear-reboot-status>
```

**Description** Clear any pending reboots

### <reboot-information>

**Usage**

```
<reboot-information>
  <reboot-information-results>
    reboot-information-results
  </reboot-information-results>
</reboot-information>
```

**Description**

### <request-reboot-results>

#### Usage

```
<request-reboot-results>
  <request-reboot-status>
    request-reboot-status
  </request-reboot-status>
</request-reboot-results>
```

#### Description

---

## Summary of EXT Managers Response Tags

### <ext-manager-information>

#### Usage

```
<ext-manager-information>
  <slb-ext-manager-information>....</slb-ext-manager-information>
</ext-manager-information>
```

**Description** Information about one or more ext managers

### <ext-manager-statistics-information>

#### Usage

```
<ext-manager-statistics-information>
  <slb-ext-manager-statistics>....</slb-ext-manager-statistics>
</ext-manager-statistics-information>
```

**Description** Statistics about one or more external managers

### <hash-table-information>

#### Usage

```
<hash-table-information>
  <slb-hash-information>....</slb-hash-information>
</hash-table-information>
```

**Description** Information of hash table for one or more real server groups

### <health-monitor-clear>

#### Usage

```
<health-monitor-clear>
  <slb-hm-stats-clear>....</slb-hm-stats-clear>
</health-monitor-clear>
```



**Description** Clear health monitor statistics

### <health-monitor-information>

**Usage**

```
<health-monitor-information>  
  <slb-hm-information>....</slb-hm-information>  
</health-monitor-information>
```

**Description** Health monitor configuration information about one or more health monitors

### <health-monitor-statistics-information>

**Usage**

```
<health-monitor-statistics-information>  
  <slb-hm-statistics>....</slb-hm-statistics>  
</health-monitor-statistics-information>
```

**Description** Health monitor statistics information about one or more health monitors

### <real-server-group-information>

**Usage**

```
<real-server-group-information>  
  <slb-rsg-information>....</slb-rsg-information>  
</real-server-group-information>
```

**Description** Information about one or more real server groups

### <real-server-group-statistics-information>

**Usage**

```
<real-server-group-statistics-information>  
  <slb-rsg-statistics>....</slb-rsg-statistics>  
</real-server-group-statistics-information>
```

**Description** Statistics of one or more real server groups

### <real-server-information>

**Usage**

```
<real-server-information>  
  <slb-rs-information>....</slb-rs-information>  
</real-server-information>
```

**Description** Information about one or more real servers

## <real-server-statistics-information>

### Usage

```
<real-server-statistics-information>
  <slb-rs-statistics>....</slb-rs-statistics>
</real-server-statistics-information>
```

**Description** Statistics of one or more real servers

## <slb-ext-manager-information>

### Usage

```
<ext-manager-information>
  <slb-ext-manager-information>
    <slb-ext-manager-name>
      slb-ext-manager-name
    </slb-ext-manager-name>
    <slb-ext-manager-protocol>
      slb-ext-manager-protocol
    </slb-ext-manager-protocol>
    <slb-ext-manager-ip>
      slb-ext-manager-ip
    </slb-ext-manager-ip>
    <slb-ext-manager-port>
      slb-ext-manager-port
    </slb-ext-manager-port>
    <slb-ext-manager-status>
      slb-ext-manager-status
    </slb-ext-manager-status>
    <slb-ext-last-connection-time>
      slb-ext-last-connection-time
    </slb-ext-last-connection-time>
    <slb-ext-manager-rsg-count>
      slb-ext-manager-rsg-count
    </slb-ext-manager-rsg-count>
    <slb-ext-manager-rsg-information>....</slb-ext-manager-rsg-information>
  </slb-ext-manager-information>
</ext-manager-information>
```

**Description**

## <slb-ext-manager-rs-information>

### Usage

```
<ext-manager-information>
  <slb-ext-manager-information>
    <slb-ext-manager-rsg-information>
      <slb-ext-manager-rs-information>
        <slb-rs-servername>
          slb-rs-servername
        </slb-rs-servername>
        <slb-rs-ip>
          slb-rs-ip
        </slb-rs-ip>
      </slb-ext-manager-rs-information>
    </slb-ext-manager-rsg-information>
  </slb-ext-manager-information>
</ext-manager-information>
```

```

</slb-rs-ip>
<slb-rs-port>
  slb-rs-port
</slb-rs-port>
<slb-static-rs-weight>
  slb-static-rs-weight
</slb-static-rs-weight>
<slb-sasp-rs-weight>
  slb-sasp-rs-weight
</slb-sasp-rs-weight>
<slb-sasp-rs-contact-flag>
  slb-sasp-rs-contact-flag
</slb-sasp-rs-contact-flag>
<slb-sasp-rs-quiesce-flag>
  slb-sasp-rs-quiesce-flag
</slb-sasp-rs-quiesce-flag>
<slb-sasp-rs-registration-flag>
  slb-sasp-rs-registration-flag
</slb-sasp-rs-registration-flag>
<slb-sasp-rs-confident-flag>
  slb-sasp-rs-confident-flag
</slb-sasp-rs-confident-flag>
<slb-ext-rs-last-update-time>
  slb-ext-rs-last-update-time
</slb-ext-rs-last-update-time>
<slb-rs-admin-state>
  slb-rs-admin-state
</slb-rs-admin-state>
<slb-rs-hm-state>
  slb-rs-hm-state
</slb-rs-hm-state>
</slb-ext-manager-rs-information>
</slb-ext-manager-rsg-information>
</slb-ext-manager-information>
</ext-manager-information>

```

## Description

### <slb-ext-manager-rsg-information>

#### Usage

```

<ext-manager-information>
  <slb-ext-manager-information>
    <slb-ext-manager-rsg-information>
      <slb-rsg-servername>
        slb-rsg-servername
      </slb-rsg-servername>
      <slb-rsg-algorithm>
        slb-rsg-algorithm
      </slb-rsg-algorithm>
      <slb-rsg-rs-count>
        slb-rsg-rs-count
      </slb-rsg-rs-count>
      <slb-ext-manager-rs-information>....</slb-ext-manager-rs-information>
    </slb-ext-manager-rsg-information>
  </slb-ext-manager-information>
</ext-manager-information>

```

```
</slb-ext-manager-information>
</ext-manager-information>
```

## Description

### <slb-ext-manager-statistics>

#### Usage

```
<ext-manager-statistics-information>
  <slb-ext-manager-statistics>
    <slb-ext-manager-name>
      slb-ext-manager-name
    </slb-ext-manager-name>
    <slb-ext-manager-protocol>
      slb-ext-manager-protocol
    </slb-ext-manager-protocol>
    <slb-sasp-reg-req>
      slb-sasp-reg-req
    </slb-sasp-reg-req>
    <slb-sasp-reg-reply>
      slb-sasp-reg-reply
    </slb-sasp-reg-reply>
    <slb-sasp-reg-err>
      slb-sasp-reg-err
    </slb-sasp-reg-err>
    <slb-sasp-dereg-req>
      slb-sasp-dereg-req
    </slb-sasp-dereg-req>
    <slb-sasp-dereg-reply>
      slb-sasp-dereg-reply
    </slb-sasp-dereg-reply>
    <slb-sasp-dereg-err>
      slb-sasp-dereg-err
    </slb-sasp-dereg-err>
    <slb-sasp-get-weights-req>
      slb-sasp-get-weights-req
    </slb-sasp-get-weights-req>
    <slb-sasp-get-weights-reply>
      slb-sasp-get-weights-reply
    </slb-sasp-get-weights-reply>
    <slb-sasp-get-weights-err>
      slb-sasp-get-weights-err
    </slb-sasp-get-weights-err>
    <slb-sasp-set-mbr-state-req>
      slb-sasp-set-mbr-state-req
    </slb-sasp-set-mbr-state-req>
    <slb-sasp-set-mbr-state-reply>
      slb-sasp-set-mbr-state-reply
    </slb-sasp-set-mbr-state-reply>
    <slb-sasp-set-mbr-state-err>
      slb-sasp-set-mbr-state-err
    </slb-sasp-set-mbr-state-err>
    <slb-sasp-set-lb-state-req>
      slb-sasp-set-lb-state-req
    </slb-sasp-set-lb-state-req>
```

```

<slb-sasp-set-lb-state-reply>
  slb-sasp-set-lb-state-reply
</slb-sasp-set-lb-state-reply>
<slb-sasp-set-lb-state-err>
  slb-sasp-set-lb-state-err
</slb-sasp-set-lb-state-err>
<slb-sasp-send-weights-req>
  slb-sasp-send-weights-req
</slb-sasp-send-weights-req>
<slb-sasp-send-weights-err>
  slb-sasp-send-weights-err
</slb-sasp-send-weights-err>
<slb-ext-conn-err>
  slb-ext-conn-err
</slb-ext-conn-err>
<slb-ext-total-msg-sent>
  slb-ext-total-msg-sent
</slb-ext-total-msg-sent>
<slb-ext-total-msg-rcvd>
  slb-ext-total-msg-rcvd
</slb-ext-total-msg-rcvd>
</slb-ext-manager-statistics>
</ext-manager-statistics-information>

```

## Description

### <slb-hash-information>

#### Usage

```

<hash-table-information>
  <slb-hash-information>
    <slb-rsg-servername>
      slb-rsg-servername
    </slb-rsg-servername>
    <slb-spu-slot>
      slb-spu-slot
    </slb-spu-slot>
    <slb-spu-pic>
      slb-spu-pic
    </slb-spu-pic>
    <slb-hash-index>
      slb-hash-index
    </slb-hash-index>
    <slb-rs-servername>
      slb-rs-servername
    </slb-rs-servername>
    <slb-hash-hits>
      slb-hash-hits
    </slb-hash-hits>
    <slb-hash-rs-servername>
      slb-hash-rs-servername
    </slb-hash-rs-servername>
    <slb-hash-keys-total>
      slb-hash-keys-total
    </slb-hash-keys-total>

```

```
<slb-hash-hits-total>
  slb-hash-hits-total
</slb-hash-hits-total>
</slb-hash-information>
</hash-table-information>
```

## Description

### <slb-hm-information>

#### Usage

```
<health-monitor-information>
  <slb-hm-information>
    <slb-hm-rulename>
      slb-hm-rulename
    </slb-hm-rulename>
    <slb-hm-protocol>
      slb-hm-protocol
    </slb-hm-protocol>
    <slb-hm-port>
      slb-hm-port
    </slb-hm-port>
    <slb-hm-timeout>
      slb-hm-timeout
    </slb-hm-timeout>
    <slb-hm-itvl-down>
      slb-hm-itvl-down
    </slb-hm-itvl-down>
    <slb-hm-itvl-up>
      slb-hm-itvl-up
    </slb-hm-itvl-up>
    <slb-hm-max-retry>
      slb-hm-max-retry
    </slb-hm-max-retry>
    <slb-hm-rs-count>
      slb-hm-rs-count
    </slb-hm-rs-count>
    <slb-hm-rsg-count>
      slb-hm-rsg-count
    </slb-hm-rsg-count>
    <slb-rs-servername>
      slb-rs-servername
    </slb-rs-servername>
    <slb-rs-hm-state>
      slb-rs-hm-state
    </slb-rs-hm-state>
    <slb-spu-slot>
      slb-spu-slot
    </slb-spu-slot>
    <slb-spu-pic>
      slb-spu-pic
    </slb-spu-pic>
    <slb-rsg-servername>
      slb-rsg-servername
    </slb-rsg-servername>
```

```

    <slb-rsg-rs-count>
      slb-rsg-rs-count
    </slb-rsg-rs-count>
  </slb-hm-information>
</health-monitor-information>

```

## Description

### <slb-hm-statistics>

#### Usage

```

<health-monitor-statistics-information>
  <slb-hm-statistics>
    <slb-hm-rulename>
      slb-hm-rulename
    </slb-hm-rulename>
    <slb-rsg-servername>
      slb-rsg-servername
    </slb-rsg-servername>
    <slb-rs-servername>
      slb-rs-servername
    </slb-rs-servername>
    <slb-spu-slot>
      slb-spu-slot
    </slb-spu-slot>
    <slb-spu-pic>
      slb-spu-pic
    </slb-spu-pic>
    <slb-rs-probe-state>
      slb-rs-probe-state
    </slb-rs-probe-state>
    <slb-hm-probe-up>
      slb-hm-probe-up
    </slb-hm-probe-up>
    <slb-hm-probe-down>
      slb-hm-probe-down
    </slb-hm-probe-down>
    <slb-hm-probe-tx-ok>
      slb-hm-probe-tx-ok
    </slb-hm-probe-tx-ok>
    <slb-hm-probe-tx-err>
      slb-hm-probe-tx-err
    </slb-hm-probe-tx-err>
    <slb-hm-packet-tx-ok>
      slb-hm-packet-tx-ok
    </slb-hm-packet-tx-ok>
    <slb-hm-packet-tx-err>
      slb-hm-packet-tx-err
    </slb-hm-packet-tx-err>
    <slb-hm-packet-rx-ok>
      slb-hm-packet-rx-ok
    </slb-hm-packet-rx-ok>
    <slb-hm-packet-rx-err>
      slb-hm-packet-rx-err
    </slb-hm-packet-rx-err>
  </slb-hm-statistics>
</health-monitor-statistics-information>

```

```
</slb-hm-statistics>
</health-monitor-statistics-information>
```

#### Description

### <slb-hm-stats-clear>

#### Usage

```
<health-monitor-clear>
  <slb-hm-stats-clear>
    <slb-hm-clear-percent>
      slb-hm-clear-percent
    </slb-hm-clear-percent>
  </slb-hm-stats-clear>
</health-monitor-clear>
```

#### Description

### <slb-rs-information>

#### Usage

```
<real-server-information>
  <slb-rs-information>
    <slb-rs-servername>
      slb-rs-servername
    </slb-rs-servername>
    <slb-rs-ip>
      slb-rs-ip
    </slb-rs-ip>
    <slb-rs-protocol>
      slb-rs-protocol
    </slb-rs-protocol>
    <slb-rs-port>
      slb-rs-port
    </slb-rs-port>
    <slb-rs-weight>
      slb-rs-weight
    </slb-rs-weight>
    <slb-rs-admin-state>
      slb-rs-admin-state
    </slb-rs-admin-state>
    <slb-rs-hm-state>
      slb-rs-hm-state
    </slb-rs-hm-state>
    <slb-static-rs-weight>
      slb-static-rs-weight
    </slb-static-rs-weight>
    <slb-rs-ramp-up-time>
      slb-rs-ramp-up-time
    </slb-rs-ramp-up-time>
    <slb-rs-cur-conn-limit>
      slb-rs-cur-conn-limit
    </slb-rs-cur-conn-limit>
    <slb-rs-max-conn-limit>
```



```

    slb-rs-max-conn-limit
  </slb-rs-max-conn-limit>
  <slb-rs-min-conn-limit>
    slb-rs-min-conn-limit
  </slb-rs-min-conn-limit>
  <slb-routing-instance>
    slb-routing-instance
  </slb-routing-instance>
  <slb-hm-rulename>
    slb-hm-rulename
  </slb-hm-rulename>
  <slb-spu-slot>
    slb-spu-slot
  </slb-spu-slot>
  <slb-spu-pic>
    slb-spu-pic
  </slb-spu-pic>
</slb-rs-information>
</real-server-information>

```

#### Description

#### <slb-rs-statistics>

#### Usage

```

<real-server-statistics-information>
  <slb-rs-statistics>
    <slb-rs-servername>
      slb-rs-servername
    </slb-rs-servername>
    <slb-rs-total-conn>
      slb-rs-total-conn
    </slb-rs-total-conn>
    <slb-rs-active-conn>
      slb-rs-active-conn
    </slb-rs-active-conn>
    <slb-rs-conn-rate>
      slb-rs-conn-rate
    </slb-rs-conn-rate>
    <slb-rs-pkts>
      slb-rs-pkts
    </slb-rs-pkts>
    <slb-rs-pkt-rate>
      slb-rs-pkt-rate
    </slb-rs-pkt-rate>
    <slb-rs-bytes>
      slb-rs-bytes
    </slb-rs-bytes>
    <slb-rs-byte-rate>
      slb-rs-byte-rate
    </slb-rs-byte-rate>
    <slb-rs-spu-total-conn>
      slb-rs-spu-total-conn
    </slb-rs-spu-total-conn>
    <slb-rs-spu-active-conn>

```

```
    slb-rs-spu-active-conn
  </slb-rs-spu-active-conn>
  <slb-rs-spu-pkts>
    slb-rs-spu-pkts
  </slb-rs-spu-pkts>
  <slb-rs-spu-bytes>
    slb-rs-spu-bytes
  </slb-rs-spu-bytes>
  <slb-spu-slot>
    slb-spu-slot
  </slb-spu-slot>
  <slb-spu-pic>
    slb-spu-pic
  </slb-spu-pic>
  <slb-rs-probe-state>
    slb-rs-probe-state
  </slb-rs-probe-state>
  <slb-hm-probe-up>
    slb-hm-probe-up
  </slb-hm-probe-up>
  <slb-hm-probe-down>
    slb-hm-probe-down
  </slb-hm-probe-down>
  <slb-hm-probe-tx-ok>
    slb-hm-probe-tx-ok
  </slb-hm-probe-tx-ok>
  <slb-hm-probe-tx-err>
    slb-hm-probe-tx-err
  </slb-hm-probe-tx-err>
  <slb-hm-packet-tx-ok>
    slb-hm-packet-tx-ok
  </slb-hm-packet-tx-ok>
  <slb-hm-packet-tx-err>
    slb-hm-packet-tx-err
  </slb-hm-packet-tx-err>
  <slb-hm-packet-rx-ok>
    slb-hm-packet-rx-ok
  </slb-hm-packet-rx-ok>
  <slb-hm-packet-rx-err>
    slb-hm-packet-rx-err
  </slb-hm-packet-rx-err>
</slb-rs-statistics>
</real-server-statistics-information>
```

#### Description

<slb-rsg-ent-statistics>

#### Usage

```
<real-server-group-statistics-information>
  <slb-rsg-statistics>
    <slb-rsg-ent-statistics>
      <slb-rs-servername>
        slb-rs-servername
      </slb-rs-servername>
```

```

    <slb-rs-total-conn>
      slb-rs-total-conn
    </slb-rs-total-conn>
    <slb-rs-active-conn>
      slb-rs-active-conn
    </slb-rs-active-conn>
    <slb-rs-pkts>
      slb-rs-pkts
    </slb-rs-pkts>
    <slb-rs-bytes>
      slb-rs-bytes
    </slb-rs-bytes>
  </slb-rsg-ent-statistics>
</slb-rsg-statistics>
</real-server-group-statistics-information>

```

#### Description

**<slb-rsg-information>**

#### Usage

```

<real-server-group-information>
  <slb-rsg-information>
    <slb-rsg-servername>
      slb-rsg-servername
    </slb-rsg-servername>
    <slb-rsg-algorithm>
      slb-rsg-algorithm
    </slb-rsg-algorithm>
    <slb-rsg-sticky-mode>
      slb-rsg-sticky-mode
    </slb-rsg-sticky-mode>
    <slb-routing-instance>
      slb-routing-instance
    </slb-routing-instance>
    <slb-rsg-rs-count>
      slb-rsg-rs-count
    </slb-rsg-rs-count>
    <slb-hm-rulename>
      slb-hm-rulename
    </slb-hm-rulename>
    <slb-rsg-ext-manager>
      slb-rsg-ext-manager
    </slb-rsg-ext-manager>
    <slb-rsg-rs-information>....</slb-rsg-rs-information>
  </slb-rsg-information>
</real-server-group-information>

```

#### Description

**<slb-rsg-rs-information>**

#### Usage

```

<real-server-group-information>

```

```
<slb-rsg-information>
  <slb-rsg-rs-information>
    <slb-rs-servername>
      slb-rs-servername
    </slb-rs-servername>
    <slb-rs-ip>
      slb-rs-ip
    </slb-rs-ip>
    <slb-rs-protocol>
      slb-rs-protocol
    </slb-rs-protocol>
    <slb-rs-port>
      slb-rs-port
    </slb-rs-port>
    <slb-rs-weight>
      slb-rs-weight
    </slb-rs-weight>
    <slb-rs-admin-state>
      slb-rs-admin-state
    </slb-rs-admin-state>
    <slb-rs-hm-state>
      slb-rs-hm-state
    </slb-rs-hm-state>
  </slb-rsg-rs-information>
</slb-rsg-information>
</real-server-group-information>
```

## Description

### <slb-rsg-statistics>

#### Usage

```
<real-server-group-statistics-information>
  <slb-rsg-statistics>
    <slb-rsg-servername>
      slb-rsg-servername
    </slb-rsg-servername>
    <slb-rsg-total-conn>
      slb-rsg-total-conn
    </slb-rsg-total-conn>
    <slb-rsg-active-conn>
      slb-rsg-active-conn
    </slb-rsg-active-conn>
    <slb-rsg-conn-rate>
      slb-rsg-conn-rate
    </slb-rsg-conn-rate>
    <slb-rsg-pkts>
      slb-rsg-pkts
    </slb-rsg-pkts>
    <slb-rsg-pkt-rate>
      slb-rsg-pkt-rate
    </slb-rsg-pkt-rate>
    <slb-rsg-bytes>
      slb-rsg-bytes
    </slb-rsg-bytes>
```

```

<slb-rsg-byte-rate>
  slb-rsg-byte-rate
</slb-rsg-byte-rate>
<slb-spu-slot>
  slb-spu-slot
</slb-spu-slot>
<slb-spu-pic>
  slb-spu-pic
</slb-spu-pic>
<slb-rsg-spu-total-conn>
  slb-rsg-spu-total-conn
</slb-rsg-spu-total-conn>
<slb-rsg-spu-active-conn>
  slb-rsg-spu-active-conn
</slb-rsg-spu-active-conn>
<slb-rsg-spu-pkts>
  slb-rsg-spu-pkts
</slb-rsg-spu-pkts>
<slb-rsg-spu-bytes>
  slb-rsg-spu-bytes
</slb-rsg-spu-bytes>
<slb-rsg-ent-statistics>....</slb-rsg-ent-statistics>
</slb-rsg-statistics>
</real-server-group-statistics-information>

```

#### Description

#### <slb-sticky-clear>

##### Usage

```

<sticky-table-clear>
  <slb-sticky-clear>
    <slb-rsg-servername>
      slb-rsg-servername
    </slb-rsg-servername>
  </slb-sticky-clear>
</sticky-table-clear>

```

#### Description

#### <slb-sticky-information>

##### Usage

```

<sticky-table-information>
  <slb-sticky-information>
    <slb-rsg-servername>
      slb-rsg-servername
    </slb-rsg-servername>
    <slb-spu-slot>
      slb-spu-slot
    </slb-spu-slot>
    <slb-spu-pic>
      slb-spu-pic
    </slb-spu-pic>
  </slb-sticky-information>
</sticky-table-information>

```

```
<slb-sticky-index>
  slb-sticky-index
</slb-sticky-index>
<slb-sticky-key>
  slb-sticky-key
</slb-sticky-key>
<slb-rs-servername>
  slb-rs-servername
</slb-rs-servername>
<slb-sticky-hits>
  slb-sticky-hits
</slb-sticky-hits>
<slb-sticky-ttl>
  slb-sticky-ttl
</slb-sticky-ttl>
<slb-sticky-rsg-servername>
  slb-sticky-rsg-servername
</slb-sticky-rsg-servername>
<slb-sticky-rs-servername>
  slb-sticky-rs-servername
</slb-sticky-rs-servername>
<slb-sticky-keys-total>
  slb-sticky-keys-total
</slb-sticky-keys-total>
<slb-sticky-hits-total>
  slb-sticky-hits-total
</slb-sticky-hits-total>
</slb-sticky-information>
</sticky-table-information>
```

#### Description

**<slb-vs-information>**

#### Usage

```
<virtual-server-information>
  <slb-vs-information>
    <slb-vs-servername>
      slb-vs-servername
    </slb-vs-servername>
    <slb-vs-ip>
      slb-vs-ip
    </slb-vs-ip>
    <slb-vs-protocol>
      slb-vs-protocol
    </slb-vs-protocol>
    <slb-vs-port>
      slb-vs-port
    </slb-vs-port>
    <slb-vs-service-port>
      slb-vs-service-port
    </slb-vs-service-port>
    <slb-vs-ssl-offload>
      slb-vs-ssl-offload
    </slb-vs-ssl-offload>
```

```

<slb-vs-mss>
  slb-vs-mss
</slb-vs-mss>
<slb-vs-sack-permitted>
  slb-vs-sack-permitted
</slb-vs-sack-permitted>
<slb-vs-wind-scale>
  slb-vs-wind-scale
</slb-vs-wind-scale>
<slb-vs-nat-mode>
  slb-vs-nat-mode
</slb-vs-nat-mode>
<slb-routing-instance>
  slb-routing-instance
</slb-routing-instance>
<slb-vs-admin-state>
  slb-vs-admin-state
</slb-vs-admin-state>
<slb-vs-op-state>
  slb-vs-op-state
</slb-vs-op-state>
<slb-vs-rsg-information>....</slb-vs-rsg-information>
</slb-vs-information>
</virtual-server-information>

```

#### Description

### <slb-vs-rsg-information>

#### Usage

```

<virtual-server-information>
<slb-vs-information>
  <slb-vs-rsg-information>
    <slb-rsg-servername>
      slb-rsg-servername
    </slb-rsg-servername>
    <slb-rsg-algorithm>
      slb-rsg-algorithm
    </slb-rsg-algorithm>
    <slb-rsg-rs-count>
      slb-rsg-rs-count
    </slb-rsg-rs-count>
  </slb-vs-rsg-information>
</slb-vs-information>
</virtual-server-information>

```

#### Description

### <slb-vs-statistics>

#### Usage

```

<virtual-server-statistics-information>
<slb-vs-statistics>
  <slb-vs-servername>

```

```
    slb-vs-servername
  </slb-vs-servername>
  <slb-vs-total-conn>
    slb-vs-total-conn
  </slb-vs-total-conn>
  <slb-vs-active-conn>
    slb-vs-active-conn
  </slb-vs-active-conn>
  <slb-vs-dropped-conn>
    slb-vs-dropped-conn
  </slb-vs-dropped-conn>
  <slb-vs-conn-rate>
    slb-vs-conn-rate
  </slb-vs-conn-rate>
  <slb-vs-pkts>
    slb-vs-pkts
  </slb-vs-pkts>
  <slb-vs-pkt-rate>
    slb-vs-pkt-rate
  </slb-vs-pkt-rate>
  <slb-vs-bytes>
    slb-vs-bytes
  </slb-vs-bytes>
  <slb-vs-byte-rate>
    slb-vs-byte-rate
  </slb-vs-byte-rate>
  <slb-vs-spu-total-conn>
    slb-vs-spu-total-conn
  </slb-vs-spu-total-conn>
  <slb-vs-spu-active-conn>
    slb-vs-spu-active-conn
  </slb-vs-spu-active-conn>
  <slb-vs-spu-pkts>
    slb-vs-spu-pkts
  </slb-vs-spu-pkts>
  <slb-vs-spu-bytes>
    slb-vs-spu-bytes
  </slb-vs-spu-bytes>
  <slb-vs-spu-drop-vs-down>
    slb-vs-spu-drop-vs-down
  </slb-vs-spu-drop-vs-down>
  <slb-vs-spu-drop-no-rs>
    slb-vs-spu-drop-no-rs
  </slb-vs-spu-drop-no-rs>
  <slb-vs-spu-drop-no-nh>
    slb-vs-spu-drop-no-nh
  </slb-vs-spu-drop-no-nh>
  <slb-vs-spu-drop-no-mem>
    slb-vs-spu-drop-no-mem
  </slb-vs-spu-drop-no-mem>
  <slb-vs-spu-drop-misc>
    slb-vs-spu-drop-misc
  </slb-vs-spu-drop-misc>
  <slb-spu-slot>
    slb-spu-slot
  </slb-spu-slot>
```



```
<slb-spu-pic>
  slb-spu-pic
</slb-spu-pic>
</slb-vs-statistics>
</virtual-server-statistics-information>
```

**Description**

### <sticky-table-clear>

**Usage**

```
<sticky-table-clear>
  <slb-sticky-clear>....</slb-sticky-clear>
</sticky-table-clear>
```

**Description** Clear sticky tables

### <sticky-table-information>

**Usage**

```
<sticky-table-information>
  <slb-sticky-information>....</slb-sticky-information>
</sticky-table-information>
```

**Description** Information of sticky table for one or more real server groups

### <virtual-server-information>

**Usage**

```
<virtual-server-information>
  <slb-vs-information>....</slb-vs-information>
</virtual-server-information>
```

**Description** Information about one or more virtual servers

### <virtual-server-statistics-information>

**Usage**

```
<virtual-server-statistics-information>
  <slb-vs-statistics>....</slb-vs-statistics>
</virtual-server-statistics-information>
```

**Description** Statistics of one or more virtual servers

## Summary of SMPL Response Tags

---

### <smpl-next-hop-group>

#### Usage

```
<smpl-next-hop-group>
  <smpl-nhgroup>....</smpl-nhgroup>
</smpl-next-hop-group>
```

**Description** Information about next-hop-groups

### <smpl-nhgroup>

#### Usage

```
<smpl-nhgroup>
  <smpl-nhgroup-member-list>....</smpl-nhgroup-member-list>
  <smpl-nhgroup-subgroup>....</smpl-nhgroup-subgroup>
  <smpl-nhgroup-name>
    smpl-nhgroup-name
  </smpl-nhgroup-name>
  <smpl-nhgroup-type>
    smpl-nhgroup-type
  </smpl-nhgroup-type>
  <smpl-nhgroup-state>
    smpl-nhgroup-state
  </smpl-nhgroup-state>
  <smpl-nhgroup-nhid-header>
    smpl-nhgroup-nhid-header
  </smpl-nhgroup-nhid-header>
  <smpl-nhgroup-num-members-configured>
    smpl-nhgroup-num-members-configured
  </smpl-nhgroup-num-members-configured>
  <smpl-nhgroup-num-members-up>
    smpl-nhgroup-num-members-up
  </smpl-nhgroup-num-members-up>
  <smpl-nhgroup-subgroups-configured>
    smpl-nhgroup-subgroups-configured
  </smpl-nhgroup-subgroups-configured>
  <smpl-nhgroup-subgroups-up>
    smpl-nhgroup-subgroups-up
  </smpl-nhgroup-subgroups-up>
</smpl-nhgroup>
```

**Description**

### <smpl-nhgroup>

#### Usage

```
<smpl-next-hop-group>
  <smpl-nhgroup>
    <smpl-nhgroup-member-list>....</smpl-nhgroup-member-list>
    <smpl-nhgroup-subgroup>....</smpl-nhgroup-subgroup>
```

```

<smpl-nhgroup-name>
  smpl-nhgroup-name
</smpl-nhgroup-name>
<smpl-nhgroup-type>
  smpl-nhgroup-type
</smpl-nhgroup-type>
<smpl-nhgroup-state>
  smpl-nhgroup-state
</smpl-nhgroup-state>
<smpl-nhgroup-nhid-header>
  smpl-nhgroup-nhid-header
</smpl-nhgroup-nhid-header>
<smpl-nhgroup-num-members-configured>
  smpl-nhgroup-num-members-configured
</smpl-nhgroup-num-members-configured>
<smpl-nhgroup-num-members-up>
  smpl-nhgroup-num-members-up
</smpl-nhgroup-num-members-up>
<smpl-nhgroup-subgroups-configured>
  smpl-nhgroup-subgroups-configured
</smpl-nhgroup-subgroups-configured>
<smpl-nhgroup-subgroups-up>
  smpl-nhgroup-subgroups-up
</smpl-nhgroup-subgroups-up>
</smpl-nhgroup>
</smpl-next-hop-group>

```

#### Description

#### <smpl-nhgroup-member-list>

##### Usage

```

<smpl-nhgroup-member-list>
  <smpl-nhgroup-member-interface>
    smpl-nhgroup-member-interface
  </smpl-nhgroup-member-interface>
  <smpl-nhgroup-nexthop-address>
    smpl-nhgroup-nexthop-address
  </smpl-nhgroup-nexthop-address>
  <smpl-nhgroup-nexthop-state>
    smpl-nhgroup-nexthop-state
  </smpl-nhgroup-nexthop-state>
  <smpl-nexthop-index>
    smpl-nexthop-index
  </smpl-nexthop-index>
</smpl-nhgroup-member-list>

```

#### Description

#### <smpl-nhgroup-member-list>

##### Usage

```

<smpl-nhgroup>
  <smpl-nhgroup-member-list>

```

```
<smpl-nhgroup-member-interface>
  smpl-nhgroup-member-interface
</smpl-nhgroup-member-interface>
<smpl-nhgroup-nexthop-address>
  smpl-nhgroup-nexthop-address
</smpl-nhgroup-nexthop-address>
<smpl-nhgroup-nexthop-state>
  smpl-nhgroup-nexthop-state
</smpl-nhgroup-nexthop-state>
<smpl-nexthop-index>
  smpl-nexthop-index
</smpl-nexthop-index>
</smpl-nhgroup-member-list>
</smpl-nhgroup>
```

#### Description

### <smpl-nhgroup-member-list>

#### Usage

```
<smpl-next-hop-group>
<smpl-nhgroup>
  <smpl-nhgroup-member-list>
    <smpl-nhgroup-member-interface>
      smpl-nhgroup-member-interface
    </smpl-nhgroup-member-interface>
    <smpl-nhgroup-nexthop-address>
      smpl-nhgroup-nexthop-address
    </smpl-nhgroup-nexthop-address>
    <smpl-nhgroup-nexthop-state>
      smpl-nhgroup-nexthop-state
    </smpl-nhgroup-nexthop-state>
    <smpl-nexthop-index>
      smpl-nexthop-index
    </smpl-nexthop-index>
  </smpl-nhgroup-member-list>
</smpl-nhgroup>
</smpl-next-hop-group>
```

#### Description

### <smpl-nhgroup-member-list>

#### Usage

```
<smpl-port-mirror-output-family-list>
  <smpl-nhgroup-member-list>
    <smpl-nhgroup-member-interface>
      smpl-nhgroup-member-interface
    </smpl-nhgroup-member-interface>
    <smpl-nhgroup-nexthop-address>
      smpl-nhgroup-nexthop-address
    </smpl-nhgroup-nexthop-address>
    <smpl-nhgroup-nexthop-state>
      smpl-nhgroup-nexthop-state
```

```

</smpl-nhgroup-nexthop-state>
<smpl-nexthop-index>
  smpl-nexthop-index
</smpl-nexthop-index>
</smpl-nhgroup-member-list>
</smpl-port-mirror-output-family-list>

```

## Description

### <smpl-nhgroup-member-list>

#### Usage

```

<smpl-port-mirroring-instance>
  <smpl-port-mirror-output-family-list>
    <smpl-nhgroup-member-list>
      <smpl-nhgroup-member-interface>
        smpl-nhgroup-member-interface
      </smpl-nhgroup-member-interface>
      <smpl-nhgroup-nexthop-address>
        smpl-nhgroup-nexthop-address
      </smpl-nhgroup-nexthop-address>
      <smpl-nhgroup-nexthop-state>
        smpl-nhgroup-nexthop-state
      </smpl-nhgroup-nexthop-state>
      <smpl-nexthop-index>
        smpl-nexthop-index
      </smpl-nexthop-index>
    </smpl-nhgroup-member-list>
  </smpl-port-mirror-output-family-list>
</smpl-port-mirroring-instance>

```

## Description

### <smpl-nhgroup-member-list>

#### Usage

```

<smpl-port-mirroring>
  <smpl-port-mirroring-instance>
    <smpl-port-mirror-output-family-list>
      <smpl-nhgroup-member-list>
        <smpl-nhgroup-member-interface>
          smpl-nhgroup-member-interface
        </smpl-nhgroup-member-interface>
        <smpl-nhgroup-nexthop-address>
          smpl-nhgroup-nexthop-address
        </smpl-nhgroup-nexthop-address>
        <smpl-nhgroup-nexthop-state>
          smpl-nhgroup-nexthop-state
        </smpl-nhgroup-nexthop-state>
        <smpl-nexthop-index>
          smpl-nexthop-index
        </smpl-nexthop-index>
      </smpl-nhgroup-member-list>
    </smpl-port-mirror-output-family-list>
  </smpl-port-mirroring-instance>
</smpl-port-mirroring>

```

```
</smpl-port-mirroring-instance>
</smpl-port-mirroring>
```

#### Description

### <smpl-nhgroup-subgroup>

#### Usage

```
<smpl-nhgroup-subgroup>
  <smpl-nhgroup-name>
    smpl-nhgroup-name
  </smpl-nhgroup-name>
  <smpl-nhgroup-state>
    smpl-nhgroup-state
  </smpl-nhgroup-state>
  <smpl-nhgroup-nexthop-state>
    smpl-nhgroup-nexthop-state
  </smpl-nhgroup-nexthop-state>
  <smpl-nexthop-index>
    smpl-nexthop-index
  </smpl-nexthop-index>
  <smpl-nhgroup-nhid-header>
    smpl-nhgroup-nhid-header
  </smpl-nhgroup-nhid-header>
  <smpl-subgroup-num-members-configured>
    smpl-subgroup-num-members-configured
  </smpl-subgroup-num-members-configured>
  <smpl-subgroup-num-members-up>
    smpl-subgroup-num-members-up
  </smpl-subgroup-num-members-up>
  <smpl-subgroup-member-list>....</smpl-subgroup-member-list>
</smpl-nhgroup-subgroup>
```

#### Description

### <smpl-nhgroup-subgroup>

#### Usage

```
<smpl-nhgroup>
  <smpl-nhgroup-subgroup>
    <smpl-nhgroup-name>
      smpl-nhgroup-name
    </smpl-nhgroup-name>
    <smpl-nhgroup-state>
      smpl-nhgroup-state
    </smpl-nhgroup-state>
    <smpl-nhgroup-nexthop-state>
      smpl-nhgroup-nexthop-state
    </smpl-nhgroup-nexthop-state>
    <smpl-nexthop-index>
      smpl-nexthop-index
    </smpl-nexthop-index>
    <smpl-nhgroup-nhid-header>
      smpl-nhgroup-nhid-header
```

```

</smpl-nhgroup-nhid-header>
<smpl-subgroup-num-members-configured>
  smpl-subgroup-num-members-configured
</smpl-subgroup-num-members-configured>
<smpl-subgroup-num-members-up>
  smpl-subgroup-num-members-up
</smpl-subgroup-num-members-up>
<smpl-subgroup-member-list>....</smpl-subgroup-member-list>
</smpl-nhgroup-subgroup>
</smpl-nhgroup>

```

### Description

## <smpl-nhgroup-subgroup>

### Usage

```

<smpl-next-hop-group>
  <smpl-nhgroup>
    <smpl-nhgroup-subgroup>
      <smpl-nhgroup-name>
        smpl-nhgroup-name
      </smpl-nhgroup-name>
      <smpl-nhgroup-state>
        smpl-nhgroup-state
      </smpl-nhgroup-state>
      <smpl-nhgroup-nexthop-state>
        smpl-nhgroup-nexthop-state
      </smpl-nhgroup-nexthop-state>
      <smpl-nexthop-index>
        smpl-nexthop-index
      </smpl-nexthop-index>
      <smpl-nhgroup-nhid-header>
        smpl-nhgroup-nhid-header
      </smpl-nhgroup-nhid-header>
      <smpl-subgroup-num-members-configured>
        smpl-subgroup-num-members-configured
      </smpl-subgroup-num-members-configured>
      <smpl-subgroup-num-members-up>
        smpl-subgroup-num-members-up
      </smpl-subgroup-num-members-up>
      <smpl-subgroup-member-list>....</smpl-subgroup-member-list>
    </smpl-nhgroup-subgroup>
  </smpl-nhgroup>
</smpl-next-hop-group>

```

### Description

## <smpl-port-mirror-output-family-list>

### Usage

```

<smpl-port-mirror-output-family-list>
  <smpl-output-family-name>
    smpl-output-family-name
  </smpl-output-family-name>

```

```
<smpl-output-family-state>
  smpl-output-family-state
</smpl-output-family-state>
<smpl-output-family-destination>
  smpl-output-family-destination
</smpl-output-family-destination>
<smpl-nexthop-index>
  smpl-nexthop-index
</smpl-nexthop-index>
<smpl-nhgroup-member-list>....</smpl-nhgroup-member-list>
</smpl-port-mirror-output-family-list>
```

#### Description

### <smpl-port-mirror-output-family-list>

#### Usage

```
<smpl-port-mirroring-instance>
  <smpl-port-mirror-output-family-list>
    <smpl-output-family-name>
      smpl-output-family-name
    </smpl-output-family-name>
    <smpl-output-family-state>
      smpl-output-family-state
    </smpl-output-family-state>
    <smpl-output-family-destination>
      smpl-output-family-destination
    </smpl-output-family-destination>
    <smpl-nexthop-index>
      smpl-nexthop-index
    </smpl-nexthop-index>
    <smpl-nhgroup-member-list>....</smpl-nhgroup-member-list>
  </smpl-port-mirror-output-family-list>
</smpl-port-mirroring-instance>
```

#### Description

### <smpl-port-mirror-output-family-list>

#### Usage

```
<smpl-port-mirroring>
  <smpl-port-mirroring-instance>
    <smpl-port-mirror-output-family-list>
      <smpl-output-family-name>
        smpl-output-family-name
      </smpl-output-family-name>
      <smpl-output-family-state>
        smpl-output-family-state
      </smpl-output-family-state>
      <smpl-output-family-destination>
        smpl-output-family-destination
      </smpl-output-family-destination>
      <smpl-nexthop-index>
        smpl-nexthop-index
      </smpl-nexthop-index>
    </smpl-port-mirror-output-family-list>
  </smpl-port-mirroring-instance>
</smpl-port-mirroring>
```



```

    </smpl-nexthop-index>
    <smpl-nhgroup-member-list>....</smpl-nhgroup-member-list>
  </smpl-port-mirror-output-family-list>
</smpl-port-mirroring-instance>
</smpl-port-mirroring>

```

**Description****<smpl-port-mirroring>****Usage**

```

<smpl-port-mirroring>
  <smpl-port-mirroring-instance>....</smpl-port-mirroring-instance>
</smpl-port-mirroring>

```

**Description** Information about port-mirroring instances

**<smpl-port-mirroring-instance>****Usage**

```

<smpl-port-mirroring-instance>
  <smpl-port-mirror-output-family-list>....</smpl-port-mirror-output-family-list>
  <smpl-instance-name>
    smpl-instance-name
  </smpl-instance-name>
  <smpl-instance-state>
    smpl-instance-state
  </smpl-instance-state>
  <smpl-instance-id>
    smpl-instance-id
  </smpl-instance-id>
  <smpl-instance-input-rate>
    smpl-instance-input-rate
  </smpl-instance-input-rate>
  <smpl-instance-input-run-length>
    smpl-instance-input-run-length
  </smpl-instance-input-run-length>
  <smpl-instance-input-maximum-packet-length>
    smpl-instance-input-maximum-packet-length
  </smpl-instance-input-maximum-packet-length>
  <smpl-instance-nhid-header>
    smpl-instance-nhid-header
  </smpl-instance-nhid-header>
</smpl-port-mirroring-instance>

```

**Description****<smpl-port-mirroring-instance>****Usage**

```

<smpl-port-mirroring>
  <smpl-port-mirroring-instance>

```

```
<smpl-port-mirror-output-family-list>....</smpl-port-mirror-output-family-list>

<smpl-instance-name>
  smpl-instance-name
</smpl-instance-name>
<smpl-instance-state>
  smpl-instance-state
</smpl-instance-state>
<smpl-instance-id>
  smpl-instance-id
</smpl-instance-id>
<smpl-instance-input-rate>
  smpl-instance-input-rate
</smpl-instance-input-rate>
<smpl-instance-input-run-length>
  smpl-instance-input-run-length
</smpl-instance-input-run-length>
<smpl-instance-input-maximum-packet-length>
  smpl-instance-input-maximum-packet-length
</smpl-instance-input-maximum-packet-length>
<smpl-instance-nhid-header>
  smpl-instance-nhid-header
</smpl-instance-nhid-header>
</smpl-port-mirroring-instance>
</smpl-port-mirroring>
```

#### Description

### <smpl-subgroup-member-list>

#### Usage

```
<smpl-subgroup-member-list>
<smpl-nhgroup-member-interface>
  smpl-nhgroup-member-interface
</smpl-nhgroup-member-interface>
<smpl-nhgroup-nexthop-address>
  smpl-nhgroup-nexthop-address
</smpl-nhgroup-nexthop-address>
<smpl-nhgroup-nexthop-state>
  smpl-nhgroup-nexthop-state
</smpl-nhgroup-nexthop-state>
<smpl-nexthop-index>
  smpl-nexthop-index
</smpl-nexthop-index>
</smpl-subgroup-member-list>
```

#### Description

### <smpl-subgroup-member-list>

#### Usage

```
<smpl-nhgroup-subgroup>
  <smpl-subgroup-member-list>
    <smpl-nhgroup-member-interface>
```

```

    smpl-nhgroup-member-interface
  </smpl-nhgroup-member-interface>
  <smpl-nhgroup-nexthop-address>
    smpl-nhgroup-nexthop-address
  </smpl-nhgroup-nexthop-address>
  <smpl-nhgroup-nexthop-state>
    smpl-nhgroup-nexthop-state
  </smpl-nhgroup-nexthop-state>
  <smpl-nexthop-index>
    smpl-nexthop-index
  </smpl-nexthop-index>
</smpl-subgroup-member-list>
</smpl-nhgroup-subgroup>

```

#### Description

### <smpl-subgroup-member-list>

#### Usage

```

<smpl-nhgroup>
  <smpl-nhgroup-subgroup>
    <smpl-subgroup-member-list>
      <smpl-nhgroup-member-interface>
        smpl-nhgroup-member-interface
      </smpl-nhgroup-member-interface>
      <smpl-nhgroup-nexthop-address>
        smpl-nhgroup-nexthop-address
      </smpl-nhgroup-nexthop-address>
      <smpl-nhgroup-nexthop-state>
        smpl-nhgroup-nexthop-state
      </smpl-nhgroup-nexthop-state>
      <smpl-nexthop-index>
        smpl-nexthop-index
      </smpl-nexthop-index>
    </smpl-subgroup-member-list>
  </smpl-nhgroup-subgroup>
</smpl-nhgroup>

```

#### Description

### <smpl-subgroup-member-list>

#### Usage

```

<smpl-next-hop-group>
  <smpl-nhgroup>
    <smpl-nhgroup-subgroup>
      <smpl-subgroup-member-list>
        <smpl-nhgroup-member-interface>
          smpl-nhgroup-member-interface
        </smpl-nhgroup-member-interface>
        <smpl-nhgroup-nexthop-address>
          smpl-nhgroup-nexthop-address
        </smpl-nhgroup-nexthop-address>
        <smpl-nhgroup-nexthop-state>

```

```
    smpl-nhgroup-nexthop-state
  </smpl-nhgroup-nexthop-state>
  <smpl-nexthop-index>
    smpl-nexthop-index
  </smpl-nexthop-index>
</smpl-subgroup-member-list>
</smpl-nhgroup-subgroup>
</smpl-nhgroup>
</smpl-next-hop-group>
```

#### Description

### Summary of SNMP Response Tags ---

#### <health-monitor-information>

##### Usage

```
<health-monitor-information>
  <rmon-alarm-information>....</rmon-alarm-information>
  <rmon-log-information>....</rmon-log-information>
  <rmon-history-information>....</rmon-history-information>
</health-monitor-information>
```

#### Description

#### <history-sample>

##### Usage

```
<rmon-history-information>
  <history-sample>
    <history-sample-index>
      history-sample-index
    </history-sample-index>
    <history-sample-start-time>
      history-sample-start-time
    </history-sample-start-time>
    <history-sample-drop-events>
      history-sample-drop-events
    </history-sample-drop-events>
    <history-sample-octect>
      history-sample-octect
    </history-sample-octect>
    <history-sample-packets>
      history-sample-packets
    </history-sample-packets>
    <history-sample-broadcast-packets>
      history-sample-broadcast-packets
    </history-sample-broadcast-packets>
    <history-sample-multicast-packets>
      history-sample-multicast-packets
    </history-sample-multicast-packets>
    <history-sample-crc-errors>
      history-sample-crc-errors
    </history-sample-crc-errors>
```

```

<history-sample-undersize-packets>
  history-sample-undersize-packets
</history-sample-undersize-packets>
<history-sample-oversize-packets>
  history-sample-oversize-packets
</history-sample-oversize-packets>
<history-sample-fragments>
  history-sample-fragments
</history-sample-fragments>
<history-sample-jabbers>
  history-sample-jabbers
</history-sample-jabbers>
<history-sample-collisions>
  history-sample-collisions
</history-sample-collisions>
<history-sample-utilization>
  history-sample-utilization
</history-sample-utilization>
</history-sample>
</rmon-history-information>

```

#### Description

#### <history-sample>

#### Usage

```

<rmon-information>
<rmon-history-information>
  <history-sample>
    <history-sample-index>
      history-sample-index
    </history-sample-index>
    <history-sample-start-time>
      history-sample-start-time
    </history-sample-start-time>
    <history-sample-drop-events>
      history-sample-drop-events
    </history-sample-drop-events>
    <history-sample-octect>
      history-sample-octect
    </history-sample-octect>
    <history-sample-packets>
      history-sample-packets
    </history-sample-packets>
    <history-sample-broadcast-packets>
      history-sample-broadcast-packets
    </history-sample-broadcast-packets>
    <history-sample-multicast-packets>
      history-sample-multicast-packets
    </history-sample-multicast-packets>
    <history-sample-crc-errors>
      history-sample-crc-errors
    </history-sample-crc-errors>
    <history-sample-undersize-packets>
      history-sample-undersize-packets
  </history-sample>
</rmon-history-information>

```

```
</history-sample-undersize-packets>
<history-sample-oversize-packets>
  history-sample-oversize-packets
</history-sample-oversize-packets>
<history-sample-fragments>
  history-sample-fragments
</history-sample-fragments>
<history-sample-jabbers>
  history-sample-jabbers
</history-sample-jabbers>
<history-sample-collisions>
  history-sample-collisions
</history-sample-collisions>
<history-sample-utilization>
  history-sample-utilization
</history-sample-utilization>
</history-sample>
</rmon-history-information>
</rmon-information>
```

#### Description

#### **<history-sample>**

#### Usage

```
<health-monitor-information>
<rmon-history-information>
  <history-sample>
    <history-sample-index>
      history-sample-index
    </history-sample-index>
    <history-sample-start-time>
      history-sample-start-time
    </history-sample-start-time>
    <history-sample-drop-events>
      history-sample-drop-events
    </history-sample-drop-events>
    <history-sample-octect>
      history-sample-octect
    </history-sample-octect>
    <history-sample-packets>
      history-sample-packets
    </history-sample-packets>
    <history-sample-broadcast-packets>
      history-sample-broadcast-packets
    </history-sample-broadcast-packets>
    <history-sample-multicast-packets>
      history-sample-multicast-packets
    </history-sample-multicast-packets>
    <history-sample-crc-errors>
      history-sample-crc-errors
    </history-sample-crc-errors>
    <history-sample-undersize-packets>
      history-sample-undersize-packets
    </history-sample-undersize-packets>
```

```

<history-sample-oversize-packets>
  history-sample-oversize-packets
</history-sample-oversize-packets>
<history-sample-fragments>
  history-sample-fragments
</history-sample-fragments>
<history-sample-jabbers>
  history-sample-jabbers
</history-sample-jabbers>
<history-sample-collisions>
  history-sample-collisions
</history-sample-collisions>
<history-sample-utilization>
  history-sample-utilization
</history-sample-utilization>
</history-sample>
</rmon-history-information>
</health-monitor-information>

```

#### Description

<index>

#### Usage

```

<snmp-object-information>
  <snmp-object>
    <index>
      <index-name>
        index-name
      </index-name>
      <index-value>
        index-value
      </index-value>
    </index>
  </snmp-object>
</snmp-object-information>

```

#### Description

<rmon-alarm>

#### Usage

```

<rmon-alarm-information>
  <rmon-alarm>
    <alarm-index>
      alarm-index
    </alarm-index>
    <var-name>
      var-name
    </var-name>
    <var-oid>
      var-oid
    </var-oid>
    <sample-type>

```

```
    sample-type
  </sample-type>
  <alarm-value>
    alarm-value
  </alarm-value>
  <startup>
    startup
  </startup>
  <alarm-interval>
    alarm-interval
  </alarm-interval>
  <rising-threshold>
    rising-threshold
  </rising-threshold>
  <falling-threshold>
    falling-threshold
  </falling-threshold>
  <rising-event-index>
    rising-event-index
  </rising-event-index>
  <falling-event-index>
    falling-event-index
  </falling-event-index>
  <alarm-owner>
    alarm-owner
  </alarm-owner>
  <alarm-subtag>
    alarm-subtag
  </alarm-subtag>
  <alarm-creator>
    alarm-creator
  </alarm-creator>
  <alarm-state>
    alarm-state
  </alarm-state>
  <rmon-alarm-instance-information>....</rmon-alarm-instance-information>
</rmon-alarm>
</rmon-alarm-information>
```

## Description

### <rmon-alarm>

#### Usage

```
<rmon-information>
  <rmon-alarm-information>
    <rmon-alarm>
      <alarm-index>
        alarm-index
      </alarm-index>
      <var-name>
        var-name
      </var-name>
      <var-oid>
        var-oid
```



```

</var-oid>
<sample-type>
  sample-type
</sample-type>
<alarm-value>
  alarm-value
</alarm-value>
<startup>
  startup
</startup>
<alarm-interval>
  alarm-interval
</alarm-interval>
<rising-threshold>
  rising-threshold
</rising-threshold>
<falling-threshold>
  falling-threshold
</falling-threshold>
<rising-event-index>
  rising-event-index
</rising-event-index>
<falling-event-index>
  falling-event-index
</falling-event-index>
<alarm-owner>
  alarm-owner
</alarm-owner>
<alarm-subtag>
  alarm-subtag
</alarm-subtag>
<alarm-creator>
  alarm-creator
</alarm-creator>
<alarm-state>
  alarm-state
</alarm-state>
  <rmon-alarm-instance-information>....</rmon-alarm-instance-information>
</rmon-alarm>
</rmon-alarm-information>
</rmon-information>

```

#### Description

#### <rmon-alarm>

#### Usage

```

<health-monitor-information>
  <rmon-alarm-information>
    <rmon-alarm>
      <alarm-index>
        alarm-index
      </alarm-index>
      <var-name>
        var-name

```

```
</var-name>
<var-oid>
  var-oid
</var-oid>
<sample-type>
  sample-type
</sample-type>
<alarm-value>
  alarm-value
</alarm-value>
<startup>
  startup
</startup>
<alarm-interval>
  alarm-interval
</alarm-interval>
<rising-threshold>
  rising-threshold
</rising-threshold>
<falling-threshold>
  falling-threshold
</falling-threshold>
<rising-event-index>
  rising-event-index
</rising-event-index>
<falling-event-index>
  falling-event-index
</falling-event-index>
<alarm-owner>
  alarm-owner
</alarm-owner>
<alarm-subtag>
  alarm-subtag
</alarm-subtag>
<alarm-creator>
  alarm-creator
</alarm-creator>
<alarm-state>
  alarm-state
</alarm-state>
  <rmon-alarm-instance-information>....</rmon-alarm-instance-information>
</rmon-alarm>
</rmon-alarm-information>
</health-monitor-information>
```

## Description

**<rmon-alarm-information>**

## Usage

```
<rmon-alarm-information>
  <rmon-alarm>....</rmon-alarm>
</rmon-alarm-information>
```

**Description****<rmon-alarm-information>****Usage**

```
<rmon-information>
  <rmon-alarm-information>
    <rmon-alarm>....</rmon-alarm>
  </rmon-alarm-information>
</rmon-information>
```

**Description****<rmon-alarm-information>****Usage**

```
<health-monitor-information>
  <rmon-alarm-information>
    <rmon-alarm>....</rmon-alarm>
  </rmon-alarm-information>
</health-monitor-information>
```

**Description****<rmon-alarm-instance>****Usage**

```
<rmon-alarm-information>
  <rmon-alarm>
    <rmon-alarm-instance-information>
      <rmon-alarm-instance>
        <inst-var-name>
          inst-var-name
        </inst-var-name>
        <inst-description>
          inst-description
        </inst-description>
        <inst-value>
          inst-value
        </inst-value>
        <inst-state>
          inst-state
        </inst-state>
      </rmon-alarm-instance>
    </rmon-alarm-instance-information>
  </rmon-alarm>
</rmon-alarm-information>
```

**Description** Information about an alarm instance

## <rmon-alarm-instance>

### Usage

```
<rmon-information>
  <rmon-alarm-information>
    <rmon-alarm>
      <rmon-alarm-instance-information>
        <rmon-alarm-instance>
          <inst-var-name>
            inst-var-name
          </inst-var-name>
          <inst-description>
            inst-description
          </inst-description>
          <inst-value>
            inst-value
          </inst-value>
          <inst-state>
            inst-state
          </inst-state>
        </rmon-alarm-instance>
      </rmon-alarm-instance-information>
    </rmon-alarm>
  </rmon-alarm-information>
</rmon-information>
```

**Description** Information about an alarm instance

## <rmon-alarm-instance>

### Usage

```
<health-monitor-information>
  <rmon-alarm-information>
    <rmon-alarm>
      <rmon-alarm-instance-information>
        <rmon-alarm-instance>
          <inst-var-name>
            inst-var-name
          </inst-var-name>
          <inst-description>
            inst-description
          </inst-description>
          <inst-value>
            inst-value
          </inst-value>
          <inst-state>
            inst-state
          </inst-state>
        </rmon-alarm-instance>
      </rmon-alarm-instance-information>
    </rmon-alarm>
  </rmon-alarm-information>
```

</health-monitor-information>

**Description** Information about an alarm instance

### <rmon-alarm-instance-information>

#### Usage

```
<rmon-alarm-information>
  <rmon-alarm>
    <rmon-alarm-instance-information>
      <rmon-alarm-instance>....</rmon-alarm-instance>
    </rmon-alarm-instance-information>
  </rmon-alarm>
</rmon-alarm-information>
```

**Description** Information about one or more alarm instances

### <rmon-alarm-instance-information>

#### Usage

```
<rmon-information>
  <rmon-alarm-information>
    <rmon-alarm>
      <rmon-alarm-instance-information>
        <rmon-alarm-instance>....</rmon-alarm-instance>
      </rmon-alarm-instance-information>
    </rmon-alarm>
  </rmon-alarm-information>
</rmon-information>
```

**Description** Information about one or more alarm instances

### <rmon-alarm-instance-information>

#### Usage

```
<health-monitor-information>
  <rmon-alarm-information>
    <rmon-alarm>
      <rmon-alarm-instance-information>
        <rmon-alarm-instance>....</rmon-alarm-instance>
      </rmon-alarm-instance-information>
    </rmon-alarm>
  </rmon-alarm-information>
</health-monitor-information>
```

**Description** Information about one or more alarm instances

## <rmon-event>

### Usage

```
<rmon-event-information>
  <rmon-event>
    <event-index>
      event-index
    </event-index>
    <event-descr>
      event-descr
    </event-descr>
    <event-type>
      event-type
    </event-type>
    <community>
      community
    </community>
    <last-time-sent>
      last-time-sent
    </last-time-sent>
    <event-owner>
      event-owner
    </event-owner>
    <event-creator>
      event-creator
    </event-creator>
    <event-state>
      event-state
    </event-state>
  </rmon-event>
</rmon-event-information>
```

### Description

## <rmon-event>

### Usage

```
<rmon-information>
  <rmon-event-information>
    <rmon-event>
      <event-index>
        event-index
      </event-index>
      <event-descr>
        event-descr
      </event-descr>
      <event-type>
        event-type
      </event-type>
      <community>
        community
      </community>
      <last-time-sent>
        last-time-sent
      </last-time-sent>
    </rmon-event>
  </rmon-event-information>
</rmon-information>
```

```
</last-time-sent>
<event-owner>
  event-owner
</event-owner>
<event-creator>
  event-creator
</event-creator>
<event-state>
  event-state
</event-state>
</rmon-event>
</rmon-event-information>
</rmon-information>
```

#### Description

**<rmon-event-information>**

#### Usage

```
<rmon-event-information>
  <rmon-event>.....</rmon-event>
</rmon-event-information>
```

#### Description

**<rmon-event-information>**

#### Usage

```
<rmon-information>
  <rmon-event-information>
    <rmon-event>.....</rmon-event>
  </rmon-event-information>
</rmon-information>
```

#### Description

**<rmon-history>**

#### Usage

```
<rmon-history-information>
  <rmon-history>
    <history-index>
      history-index
    </history-index>
    <history-interface>
      history-interface
    </history-interface>
    <history-requested-buckets>
      history-requested-buckets
    </history-requested-buckets>
    <history-interval>
      history-interval
    </history-interval>
```

```
<history-owner>
  history-owner
</history-owner>
<history-status>
  history-status
</history-status>
</rmon-history>
</rmon-history-information>
```

#### Description

### <rmon-history>

#### Usage

```
<rmon-information>
  <rmon-history-information>
    <rmon-history>
      <history-index>
        history-index
      </history-index>
      <history-interface>
        history-interface
      </history-interface>
      <history-requested-buckets>
        history-requested-buckets
      </history-requested-buckets>
      <history-interval>
        history-interval
      </history-interval>
      <history-owner>
        history-owner
      </history-owner>
      <history-status>
        history-status
      </history-status>
    </rmon-history>
  </rmon-history-information>
</rmon-information>
```

#### Description

### <rmon-history>

#### Usage

```
<health-monitor-information>
  <rmon-history-information>
    <rmon-history>
      <history-index>
        history-index
      </history-index>
      <history-interface>
        history-interface
      </history-interface>
      <history-requested-buckets>
```



```

        history-requested-buckets
      </history-requested-buckets>
    <history-interval>
      history-interval
    </history-interval>
    <history-owner>
      history-owner
    </history-owner>
    <history-status>
      history-status
    </history-status>
  </rmon-history>
</rmon-history-information>
</health-monitor-information>

```

#### Description

**<rmon-history-information>**

#### Usage

```

<rmon-history-information>
  <rmon-history>....</rmon-history>
  <history-sample>....</history-sample>
</rmon-history-information>

```

#### Description

**<rmon-history-information>**

#### Usage

```

<rmon-information>
  <rmon-history-information>
    <rmon-history>....</rmon-history>
    <history-sample>....</history-sample>
  </rmon-history-information>
</rmon-information>

```

#### Description

**<rmon-history-information>**

#### Usage

```

<health-monitor-information>
  <rmon-history-information>
    <rmon-history>....</rmon-history>
    <history-sample>....</history-sample>
  </rmon-history-information>
</health-monitor-information>

```

#### Description

## <rmon-information>

### Usage

```
<rmon-information>
  <rmon-alarm-information>....</rmon-alarm-information>
  <rmon-event-information>....</rmon-event-information>
  <rmon-history-information>....</rmon-history-information>
</rmon-information>
```

### Description

## <rmon-log>

### Usage

```
<rmon-log-information>
  <rmon-log>
    <rmon-log-event-index>
      rmon-log-event-index
    </rmon-log-event-index>
    <rmon-log-index>
      rmon-log-index
    </rmon-log-index>
    <rmon-log-descr>
      rmon-log-descr
    </rmon-log-descr>
    <rmon-log-time>
      rmon-log-time
    </rmon-log-time>
  </rmon-log>
</rmon-log-information>
```

### Description

## <rmon-log>

### Usage

```
<health-monitor-information>
  <rmon-log-information>
    <rmon-log>
      <rmon-log-event-index>
        rmon-log-event-index
      </rmon-log-event-index>
      <rmon-log-index>
        rmon-log-index
      </rmon-log-index>
      <rmon-log-descr>
        rmon-log-descr
      </rmon-log-descr>
      <rmon-log-time>
        rmon-log-time
      </rmon-log-time>
    </rmon-log>
  </rmon-log-information>
```

</health-monitor-information>

#### Description

<rmon-log-information>

#### Usage

```
<rmon-log-information>
  <rmon-log>....</rmon-log>
</rmon-log-information>
```

#### Description

<rmon-log-information>

#### Usage

```
<health-monitor-information>
  <rmon-log-information>
    <rmon-log>....</rmon-log>
  </rmon-log-information>
</health-monitor-information>
```

#### Description

<snmp-generate-trap-results>

#### Usage

```
<snmp-generate-trap-results>
  <snmp-generate-trap-result>
    snmp-generate-trap-result
  </snmp-generate-trap-result>
</snmp-generate-trap-results>
```

#### Description

<snmp-input-statistics>

#### Usage

```
<snmp-statistics>
  <snmp-input-statistics>
    <packets>
      packets
    </packets>
    <bad-versions>
      bad-versions
    </bad-versions>
    <bad-community-names>
      bad-community-names
    </bad-community-names>
    <bad-community-uses>
      bad-community-uses
    </bad-community-uses>
```

```
<asn-parse-errors>
  asn-parse-errors
</asn-parse-errors>
<too-bigs>
  too-bigs
</too-bigs>
<no-such-names>
  no-such-names
</no-such-names>
<bad-values>
  bad-values
</bad-values>
<read-onlys>
  read-onlys
</read-onlys>
<general-errors>
  general-errors
</general-errors>
<total-request-varbinds>
  total-request-varbinds
</total-request-varbinds>
<total-set-varbinds>
  total-set-varbinds
</total-set-varbinds>
<get-requests>
  get-requests
</get-requests>
<get-nexts>
  get-nexts
</get-nexts>
<set-requests>
  set-requests
</set-requests>
<get-responses>
  get-responses
</get-responses>
<traps>
  traps
</traps>
<silent-drops>
  silent-drops
</silent-drops>
<proxy-drops>
  proxy-drops
</proxy-drops>
<throttle-drops>
  throttle-drops
</throttle-drops>
<commit-pending-drops>
  commit-pending-drops
</commit-pending-drops>
<duplicate-request-drops>
  duplicate-request-drops
</duplicate-request-drops>
</snmp-input-statistics>
```

</snmp-statistics>

#### Description

### <snmp-object>

#### Usage

```
<snmp-object-information>
  <snmp-object>
    <name>
      name
    </name>
    <index>....</index>
    <oid>
      oid
    </oid>
    <object-value>
      object-value
    </object-value>
    <object-value-type>
      object-value-type
    </object-value-type>
    <error>
      error
    </error>
  </snmp-object>
</snmp-object-information>
```

#### Description

### <snmp-object-information>

#### Usage

```
<snmp-object-information>
  <snmp-object>....</snmp-object>
  <snmp-request-error>....</snmp-request-error>
</snmp-object-information>
```

#### Description

### <snmp-output-statistics>

#### Usage

```
<snmp-statistics>
  <snmp-output-statistics>
    <packets>
      packets
    </packets>
    <too-bigs>
      too-bigs
    </too-bigs>
    <no-such-names>
      no-such-names
  </snmp-output-statistics>
</snmp-statistics>
```

```
</no-such-names>
<bad-values>
  bad-values
</bad-values>
<general-errors>
  general-errors
</general-errors>
<get-requests>
  get-requests
</get-requests>
<get-nests>
  get-nests
</get-nests>
<set-requests>
  set-requests
</set-requests>
<get-responses>
  get-responses
</get-responses>
<traps>
  traps
</traps>
</snmp-output-statistics>
</snmp-statistics>
```

#### Description

### <snmp-request-error>

#### Usage

```
<snmp-object-information>
<snmp-request-error>
  <snmp-req-error-value>
    snmp-req-error-value
  </snmp-req-error-value>
</snmp-request-error>
</snmp-object-information>
```

#### Description

### <snmp-set-stats>

#### Usage

```
<snmp-statistics>
<snmp-set-stats>
  <nvs-commit-pending>
    nvs-commit-pending
  </nvs-commit-pending>
  <nvs-conflock-failures>
    nvs-conflock-failures
  </nvs-conflock-failures>
  <nvs-rpc-mgd-failures>
    nvs-rpc-mgd-failures
  </nvs-rpc-mgd-failures>
```

```

    <nvs-journal-write-failures>
      nvs-journal-write-failures
    </nvs-journal-write-failures>
    <nvs-mgd-connect-failures>
      nvs-mgd-connect-failures
    </nvs-mgd-connect-failures>
    <nvs-commit-failures>
      nvs-commit-failures
    </nvs-commit-failures>
  </snmp-set-stats>
</snmp-statistics>

```

#### Description

### <snmp-spoof-trap-results>

#### Usage

```

<snmp-spoof-trap-results>
  <snmp-spoof-trap-result>
    snmp-spoof-trap-result
  </snmp-spoof-trap-result>
  <snmp-spoofable-traps>
    snmp-spoofable-traps
  </snmp-spoofable-traps>
</snmp-spoof-trap-results>

```

#### Description

### <snmp-statistics>

#### Usage

```

<snmp-statistics>
  <snmp-input-statistics>....</snmp-input-statistics>
  <snmp-v3-input-statistics>....</snmp-v3-input-statistics>
  <snmp-output-statistics>....</snmp-output-statistics>
  <sub-agent-control-blocks>....</sub-agent-control-blocks>
  <sub-agent-registration>....</sub-agent-registration>
  <trap-queue-stats>....</trap-queue-stats>
  <trap-throttle-stats>....</trap-throttle-stats>
  <snmp-set-stats>....</snmp-set-stats>
</snmp-statistics>

```

#### Description

### <snmp-v3-access>

#### Usage

```

<snmp-v3-access-information>
  <snmp-v3-access>
    <group-name>
      group-name
    </group-name>
    <context-prefix>

```

```
    context-prefix
  </context-prefix>
  <security-model>
    security-model
  </security-model>
  <security-level>
    security-level
  </security-level>
  <context-match>
    context-match
  </context-match>
  <read-view>
    read-view
  </read-view>
  <write-view>
    write-view
  </write-view>
  <notify-view>
    notify-view
  </notify-view>
  <storage-type>
    storage-type
  </storage-type>
  <row-status>
    row-status
  </row-status>
</snmp-v3-access>
</snmp-v3-access-information>
```

#### Description

**<snmp-v3-access>**

#### Usage

```
<snmp-v3-information>
  <snmp-v3-access-information>
    <snmp-v3-access>
      <group-name>
        group-name
      </group-name>
      <context-prefix>
        context-prefix
      </context-prefix>
      <security-model>
        security-model
      </security-model>
      <security-level>
        security-level
      </security-level>
      <context-match>
        context-match
      </context-match>
      <read-view>
        read-view
      </read-view>
```



```
<write-view>
  write-view
</write-view>
<notify-view>
  notify-view
</notify-view>
<storage-type>
  storage-type
</storage-type>
<row-status>
  row-status
</row-status>
</snmp-v3-access>
</snmp-v3-access-information>
</snmp-v3-information>
```

#### Description

### <snmp-v3-access-information>

#### Usage

```
<snmp-v3-access-information>
  <snmp-v3-access>....</snmp-v3-access>
</snmp-v3-access-information>
```

#### Description

### <snmp-v3-access-information>

#### Usage

```
<snmp-v3-information>
  <snmp-v3-access-information>
    <snmp-v3-access>....</snmp-v3-access>
  </snmp-v3-access-information>
</snmp-v3-information>
```

#### Description

### <snmp-v3-community>

#### Usage

```
<snmp-v3-community-information>
  <snmp-v3-community>
    <community-index>
      community-index
    </community-index>
    <security-name>
      security-name
    </security-name>
    <context-name>
      context-name
    </context-name>
  <transport-tag>
```

```
    transport-tag
  </transport-tag>
  <storage-type>
    storage-type
  </storage-type>
  <row-status>
    row-status
  </row-status>
</snmp-v3-community>
</snmp-v3-community-information>
```

**Description** SNMPv3 community

### <snmp-v3-community>

#### Usage

```
<snmp-v3-information>
  <snmp-v3-community-information>
    <snmp-v3-community>
      <community-index>
        community-index
      </community-index>
      <security-name>
        security-name
      </security-name>
      <context-name>
        context-name
      </context-name>
      <transport-tag>
        transport-tag
      </transport-tag>
      <storage-type>
        storage-type
      </storage-type>
      <row-status>
        row-status
      </row-status>
    </snmp-v3-community>
  </snmp-v3-community-information>
</snmp-v3-information>
```

**Description** SNMPv3 community

### <snmp-v3-community-information>

#### Usage

```
<snmp-v3-community-information>
  <snmp-v3-community>....</snmp-v3-community>
</snmp-v3-community-information>
```

**Description** SNMPv3 community information

**<snmp-v3-community-information>****Usage**

```

<snmp-v3-information>
  <snmp-v3-community-information>
    <snmp-v3-community>....</snmp-v3-community>
  </snmp-v3-community-information>
</snmp-v3-information>

```

**Description**   SNMPv3 community information

**<snmp-v3-engine-information>****Usage**

```

<snmp-v3-general-information>
  <snmp-v3-engine-information>
    <engine-id>
      engine-id
    </engine-id>
    <engine-boots>
      engine-boots
    </engine-boots>
    <engine-time>
      engine-time
    </engine-time>
    <max-msg-size>
      max-msg-size
    </max-msg-size>
  </snmp-v3-engine-information>
</snmp-v3-general-information>

```

**Description**

**<snmp-v3-engine-information>****Usage**

```

<snmp-v3-information>
  <snmp-v3-general-information>
    <snmp-v3-engine-information>
      <engine-id>
        engine-id
      </engine-id>
      <engine-boots>
        engine-boots
      </engine-boots>
      <engine-time>
        engine-time
      </engine-time>
      <max-msg-size>
        max-msg-size
      </max-msg-size>
    </snmp-v3-engine-information>
  </snmp-v3-general-information>

```

</snmp-v3-information>

#### Description

### <snmp-v3-general-information>

#### Usage

```
<snmp-v3-general-information>
  <snmp-v3-engine-information>....</snmp-v3-engine-information>
</snmp-v3-general-information>
```

#### Description

### <snmp-v3-general-information>

#### Usage

```
<snmp-v3-information>
  <snmp-v3-general-information>
    <snmp-v3-engine-information>....</snmp-v3-engine-information>
  </snmp-v3-general-information>
</snmp-v3-information>
```

#### Description

### <snmp-v3-group>

#### Usage

```
<snmp-v3-group-information>
  <snmp-v3-group>
    <group-name>
      group-name
    </group-name>
    <security-model>
      security-model
    </security-model>
    <security-name>
      security-name
    </security-name>
    <storage-type>
      storage-type
    </storage-type>
    <row-status>
      row-status
    </row-status>
  </snmp-v3-group>
</snmp-v3-group-information>
```

#### Description

## <snmp-v3-group>

### Usage

```
<snmp-v3-information>
  <snmp-v3-group-information>
    <snmp-v3-group>
      <group-name>
        group-name
      </group-name>
      <security-model>
        security-model
      </security-model>
      <security-name>
        security-name
      </security-name>
      <storage-type>
        storage-type
      </storage-type>
      <row-status>
        row-status
      </row-status>
    </snmp-v3-group>
  </snmp-v3-group-information>
</snmp-v3-information>
```

### Description

## <snmp-v3-group-information>

### Usage

```
<snmp-v3-group-information>
  <snmp-v3-group>....</snmp-v3-group>
</snmp-v3-group-information>
```

### Description

## <snmp-v3-group-information>

### Usage

```
<snmp-v3-information>
  <snmp-v3-group-information>
    <snmp-v3-group>....</snmp-v3-group>
  </snmp-v3-group-information>
</snmp-v3-information>
```

### Description

## <snmp-v3-information>

### Usage

```
<snmp-v3-information>
  <snmp-v3-general-information>....</snmp-v3-general-information>
```

```
<snmp-v3-usm-user-information>....</snmp-v3-usm-user-information>
<snmp-v3-group-information>....</snmp-v3-group-information>
<snmp-v3-access-information>....</snmp-v3-access-information>
<snmp-v3-target-information>....</snmp-v3-target-information>
<snmp-v3-notify-information>....</snmp-v3-notify-information>
<snmp-v3-notify-filter-information>....</snmp-v3-notify-filter-information>
<snmp-v3-community-information>....</snmp-v3-community-information>
</snmp-v3-information>
```

## Description

### <snmp-v3-input-statistics>

#### Usage

```
<snmp-statistics>
  <snmp-v3-input-statistics>
    <unknown-secmodels>
      unknown-secmodels
    </unknown-secmodels>
    <invalid-msgs>
      invalid-msgs
    </invalid-msgs>
    <unknown-pduhandlers>
      unknown-pduhandlers
    </unknown-pduhandlers>
    <unavail-contexts>
      unavail-contexts
    </unavail-contexts>
    <unknown-contexts>
      unknown-contexts
    </unknown-contexts>
    <unsupported-seclevels>
      unsupported-seclevels
    </unsupported-seclevels>
    <not-in-timewindows>
      not-in-timewindows
    </not-in-timewindows>
    <unknown-usernames>
      unknown-usernames
    </unknown-usernames>
    <unknown-eids>
      unknown-eids
    </unknown-eids>
    <wrong-digests>
      wrong-digests
    </wrong-digests>
    <decrypt-errors>
      decrypt-errors
    </decrypt-errors>
  </snmp-v3-input-statistics>
</snmp-statistics>
```

## Description

**<snmp-v3-notify>****Usage**

```

<snmp-v3-notify-information>
  <snmp-v3-notify>
    <notify-name>
      notify-name
    </notify-name>
    <notify-tag>
      notify-tag
    </notify-tag>
    <notify-type>
      notify-type
    </notify-type>
    <storage-type>
      storage-type
    </storage-type>
    <row-status>
      row-status
    </row-status>
  </snmp-v3-notify>
</snmp-v3-notify-information>

```

**Description**    SNMPv3 notify

**<snmp-v3-notify>****Usage**

```

<snmp-v3-information>
  <snmp-v3-notify-information>
    <snmp-v3-notify>
      <notify-name>
        notify-name
      </notify-name>
      <notify-tag>
        notify-tag
      </notify-tag>
      <notify-type>
        notify-type
      </notify-type>
      <storage-type>
        storage-type
      </storage-type>
      <row-status>
        row-status
      </row-status>
    </snmp-v3-notify>
  </snmp-v3-notify-information>
</snmp-v3-information>

```

**Description**    SNMPv3 notify

## <snmp-v3-notify-filter>

### Usage

```
<snmp-v3-notify-filter-information>
  <snmp-v3-notify-filter>
    <filter-name>
      filter-name
    </filter-name>
    <subtree>
      subtree
    </subtree>
    <filter-type>
      filter-type
    </filter-type>
    <storage-type>
      storage-type
    </storage-type>
    <row-status>
      row-status
    </row-status>
  </snmp-v3-notify-filter>
</snmp-v3-notify-filter-information>
```

**Description**   SNMPv3 notify filter

## <snmp-v3-notify-filter>

### Usage

```
<snmp-v3-information>
  <snmp-v3-notify-filter-information>
    <snmp-v3-notify-filter>
      <filter-name>
        filter-name
      </filter-name>
      <subtree>
        subtree
      </subtree>
      <filter-type>
        filter-type
      </filter-type>
      <storage-type>
        storage-type
      </storage-type>
      <row-status>
        row-status
      </row-status>
    </snmp-v3-notify-filter>
  </snmp-v3-notify-filter-information>
</snmp-v3-information>
```

**Description**   SNMPv3 notify filter



### <snmp-v3-notify-filter-information>

**Usage**

```
<snmp-v3-notify-filter-information>  
  <snmp-v3-notify-filter>....</snmp-v3-notify-filter>  
</snmp-v3-notify-filter-information>
```

**Description** SNMPv3 notify filter information

### <snmp-v3-notify-filter-information>

**Usage**

```
<snmp-v3-information>  
  <snmp-v3-notify-filter-information>  
    <snmp-v3-notify-filter>....</snmp-v3-notify-filter>  
  </snmp-v3-notify-filter-information>  
</snmp-v3-information>
```

**Description** SNMPv3 notify filter information

### <snmp-v3-notify-information>

**Usage**

```
<snmp-v3-notify-information>  
  <snmp-v3-notify>....</snmp-v3-notify>  
</snmp-v3-notify-information>
```

**Description** SNMPv3 notify information

### <snmp-v3-notify-information>

**Usage**

```
<snmp-v3-information>  
  <snmp-v3-notify-information>  
    <snmp-v3-notify>....</snmp-v3-notify>  
  </snmp-v3-notify-information>  
</snmp-v3-information>
```

**Description** SNMPv3 notify information

### <snmp-v3-target-address-information>

**Usage**

```
<snmp-v3-target-address-information>  
  <snmp-v3-target_address>....</snmp-v3-target_address>  
</snmp-v3-target-address-information>
```

**Description** SNMPv3 target address information

### <snmp-v3-target-address-information>

**Usage**

```
<snmp-v3-target-information>
  <snmp-v3-target-address-information>
    <snmp-v3-target_address>....</snmp-v3-target_address>
  </snmp-v3-target-address-information>
</snmp-v3-target-information>
```

**Description** SNMPv3 target address information

### <snmp-v3-target-address-information>

**Usage**

```
<snmp-v3-information>
  <snmp-v3-target-information>
    <snmp-v3-target-address-information>
      <snmp-v3-target_address>....</snmp-v3-target_address>
    </snmp-v3-target-address-information>
  </snmp-v3-target-information>
</snmp-v3-information>
```

**Description** SNMPv3 target address information

### <snmp-v3-target-information>

**Usage**

```
<snmp-v3-target-information>
  <snmp-v3-target-address-information>....</snmp-v3-target-address-information>

  <snmp-v3-target-parameters-information>....</snmp-v3-target-parameters-information>

</snmp-v3-target-information>
```

**Description**

### <snmp-v3-target-information>

**Usage**

```
<snmp-v3-information>
  <snmp-v3-target-information>
    <snmp-v3-target-address-information>....</snmp-v3-target-address-information>

  <snmp-v3-target-parameters-information>....</snmp-v3-target-parameters-information>

  </snmp-v3-target-information>
```

```
</snmp-v3-information>
```

#### Description

### <snmp-v3-target-parameters-information>

#### Usage

```
<snmp-v3-target-parameters-information>
  <snmp-v3-target_parameters>.....</snmp-v3-target_parameters>
</snmp-v3-target-parameters-information>
```

**Description** SNMPv3 target parameters information

### <snmp-v3-target-parameters-information>

#### Usage

```
<snmp-v3-target-information>
  <snmp-v3-target-parameters-information>
    <snmp-v3-target_parameters>.....</snmp-v3-target_parameters>
  </snmp-v3-target-parameters-information>
</snmp-v3-target-information>
```

**Description** SNMPv3 target parameters information

### <snmp-v3-target-parameters-information>

#### Usage

```
<snmp-v3-information>
  <snmp-v3-target-information>
    <snmp-v3-target-parameters-information>
      <snmp-v3-target_parameters>.....</snmp-v3-target_parameters>
    </snmp-v3-target-parameters-information>
  </snmp-v3-target-information>
</snmp-v3-information>
```

**Description** SNMPv3 target parameters information

### <snmp-v3-target\_address>

#### Usage

```
<snmp-v3-target-address-information>
  <snmp-v3-target_address>
    <target-address-name>
      target-address-name
    </target-address-name>
    <address>
      address
    </address>
    <port>
      port
  </snmp-v3-target-address-information>
```

```
</port>
<target-parameters-name>
  target-parameters-name
</target-parameters-name>
<storage-type>
  storage-type
</storage-type>
<row-status>
  row-status
</row-status>
</snmp-v3-target_address>
</snmp-v3-target-address-information>
```

**Description** SNMPv3 target address

### <snmp-v3-target\_address>

#### Usage

```
<snmp-v3-target-information>
<snmp-v3-target-address-information>
  <snmp-v3-target_address>
    <target-address-name>
      target-address-name
    </target-address-name>
    <address>
      address
    </address>
    <port>
      port
    </port>
    <target-parameters-name>
      target-parameters-name
    </target-parameters-name>
    <storage-type>
      storage-type
    </storage-type>
    <row-status>
      row-status
    </row-status>
  </snmp-v3-target_address>
</snmp-v3-target-address-information>
</snmp-v3-target-information>
```

**Description** SNMPv3 target address

### <snmp-v3-target\_address>

#### Usage

```
<snmp-v3-information>
<snmp-v3-target-information>
  <snmp-v3-target-address-information>
    <snmp-v3-target_address>
```

```

    <target-address-name>
      target-address-name
    </target-address-name>
    <address>
      address
    </address>
    <port>
      port
    </port>
    <target-parameters-name>
      target-parameters-name
    </target-parameters-name>
    <storage-type>
      storage-type
    </storage-type>
    <row-status>
      row-status
    </row-status>
  </snmp-v3-target_address>
</snmp-v3-target-address-information>
</snmp-v3-target-information>
</snmp-v3-information>

```

**Description** SNMPv3 target address

### <snmp-v3-target\_parameters>

#### Usage

```

<snmp-v3-target-parameters-information>
  <snmp-v3-target_parameters>
    <target-parameters-name>
      target-parameters-name
    </target-parameters-name>
    <security-name>
      security-name
    </security-name>
    <security-model>
      security-model
    </security-model>
    <security-level>
      security-level
    </security-level>
    <notify-filter-name>
      notify-filter-name
    </notify-filter-name>
    <storage-type>
      storage-type
    </storage-type>
    <row-status>
      row-status
    </row-status>
  </snmp-v3-target_parameters>
</snmp-v3-target-parameters-information>

```

**Description** SNMPv3 target parameters

### <snmp-v3-target\_parameters>

#### Usage

```
<snmp-v3-target-information>
  <snmp-v3-target-parameters-information>
    <snmp-v3-target_parameters>
      <target-parameters-name>
        target-parameters-name
      </target-parameters-name>
      <security-name>
        security-name
      </security-name>
      <security-model>
        security-model
      </security-model>
      <security-level>
        security-level
      </security-level>
      <notify-filter-name>
        notify-filter-name
      </notify-filter-name>
      <storage-type>
        storage-type
      </storage-type>
      <row-status>
        row-status
      </row-status>
    </snmp-v3-target_parameters>
  </snmp-v3-target-parameters-information>
</snmp-v3-target-information>
```

**Description** SNMPv3 target parameters

### <snmp-v3-target\_parameters>

#### Usage

```
<snmp-v3-information>
  <snmp-v3-target-information>
    <snmp-v3-target-parameters-information>
      <snmp-v3-target_parameters>
        <target-parameters-name>
          target-parameters-name
        </target-parameters-name>
        <security-name>
          security-name
        </security-name>
        <security-model>
          security-model
        </security-model>
        <security-level>
          security-level
        </security-level>
      </snmp-v3-target_parameters>
    </snmp-v3-target-parameters-information>
  </snmp-v3-target-information>
</snmp-v3-information>
```

```

</security-level>
<notify-filter-name>
  notify-filter-name
</notify-filter-name>
<storage-type>
  storage-type
</storage-type>
<row-status>
  row-status
</row-status>
</snmp-v3-target_parameters>
</snmp-v3-target-parameters-information>
</snmp-v3-target-information>
</snmp-v3-information>

```

**Description** SNMPv3 target parameters

### <snmp-v3-usm-user>

#### Usage

```

<snmp-v3-usm-user-information>
  <snmp-v3-usm-user>
    <user-name>
      user-name
    </user-name>
    <auth-type>
      auth-type
    </auth-type>
    <priv-type>
      priv-type
    </priv-type>
    <storage-type>
      storage-type
    </storage-type>
    <row-status>
      row-status
    </row-status>
  </snmp-v3-usm-user>
</snmp-v3-usm-user-information>

```

#### Description

### <snmp-v3-usm-user>

#### Usage

```

<snmp-v3-information>
  <snmp-v3-usm-user-information>
    <snmp-v3-usm-user>
      <user-name>
        user-name
      </user-name>
      <auth-type>
        auth-type

```

```
</auth-type>
<priv-type>
  priv-type
</priv-type>
<storage-type>
  storage-type
</storage-type>
<row-status>
  row-status
</row-status>
</snmp-v3-usm-user>
</snmp-v3-usm-user-information>
</snmp-v3-information>
```

#### Description

### <snmp-v3-usm-user-engine-id>

#### Usage

```
<snmp-v3-usm-user-information>
  <snmp-v3-usm-user-engine-id>
    <user-engine-id>
      user-engine-id
    </user-engine-id>
  </snmp-v3-usm-user-engine-id>
</snmp-v3-usm-user-information>
```

#### Description

### <snmp-v3-usm-user-engine-id>

#### Usage

```
<snmp-v3-information>
  <snmp-v3-usm-user-information>
    <snmp-v3-usm-user-engine-id>
      <user-engine-id>
        user-engine-id
      </user-engine-id>
    </snmp-v3-usm-user-engine-id>
  </snmp-v3-usm-user-information>
</snmp-v3-information>
```

#### Description

### <snmp-v3-usm-user-information>

#### Usage

```
<snmp-v3-usm-user-information>
  <snmp-v3-usm-user-engine-id>....</snmp-v3-usm-user-engine-id>
  <snmp-v3-usm-user>....</snmp-v3-usm-user>
</snmp-v3-usm-user-information>
```



**Description****<snmp-v3-usm-user-information>****Usage**

```
<snmp-v3-information>
  <snmp-v3-usm-user-information>
    <snmp-v3-usm-user-engine-id>....</snmp-v3-usm-user-engine-id>
    <snmp-v3-usm-user>....</snmp-v3-usm-user>
  </snmp-v3-usm-user-information>
</snmp-v3-information>
```

**Description****<sub-agent-control-blocks>****Usage**

```
<snmp-statistics>
  <sub-agent-control-blocks>
    <total>
      total
    </total>
    <currently-active>
      currently-active
    </currently-active>
    <max-active>
      max-active
    </max-active>
    <not-found>
      not-found
    </not-found>
    <timed-out>
      timed-out
    </timed-out>
    <max-latency>
      max-latency
    </max-latency>
  </sub-agent-control-blocks>
</snmp-statistics>
```

**Description****<sub-agent-registration>****Usage**

```
<snmp-statistics>
  <sub-agent-registration>
    <group-registers>
      group-registers
    </group-registers>
    <group-deregisters>
      group-deregisters
    </group-deregisters>
    <group-removes>
```

```
    group-removes
  </group-removes>
</sub-agent-registration>
</snmp-statistics>
```

#### Description

### <trap-queue-stats>

#### Usage

```
<snmp-statistics>
  <trap-queue-stats>
    <current-queued>
      current-queued
    </current-queued>
    <total-queued>
      total-queued
    </total-queued>
    <total-discards>
      total-discards
    </total-discards>
    <total-overflows>
      total-overflows
    </total-overflows>
  </trap-queue-stats>
</snmp-statistics>
```

#### Description

### <trap-throttle-stats>

#### Usage

```
<snmp-statistics>
  <trap-throttle-stats>
    <current-throttled>
      current-throttled
    </current-throttled>
    <total-throttles>
      total-throttles
    </total-throttles>
  </trap-throttle-stats>
</snmp-statistics>
```

#### Description

## Summary of Static Subscribers Response Tags

---

### <results>

#### Usage

```
<static-subscribers-information>
  <results>
    <success>
```

```
    success
  </success>
  <failure>
    failure
  </failure>
</results>
</static-subscribers-information>
```

**Description** Result for static subscriber operation

### <static-subscribers-information>

**Usage**

```
<static-subscribers-information>
  <results>....</results>
  <subscriber-session>....</subscriber-session>
</static-subscribers-information>
```

**Description** Static subscribers information

### <subscriber-session>

**Usage**

```
<static-subscribers-information>
  <subscriber-session>
    <username>
      username
    </username>
    <interface>
      interface
    </interface>
    <group>
      group
    </group>
    <state>
      state
    </state>
  </subscriber-session>
</static-subscribers-information>
```

**Description**

---

## Summary of Statistics Response Tags

### <arp>

**Usage**

```
<statistics>
  <arp>
    <datagrams-received>
      datagrams-received
```

```
</datagrams-received>
<arp-requests-received>
  arp-requests-received
</arp-requests-received>
<arp-replies-received>
  arp-replies-received
</arp-replies-received>
<resolution-request-received>
  resolution-request-received
</resolution-request-received>
<unrestricted-proxy-requests>
  unrestricted-proxy-requests
</unrestricted-proxy-requests>
<restricted-proxy-requests>
  restricted-proxy-requests
</restricted-proxy-requests>
<received-proxy-requests>
  received-proxy-requests
</received-proxy-requests>
<proxy-requests-not-proxied>
  proxy-requests-not-proxied
</proxy-requests-not-proxied>
<restricted-proxy-requests-not-proxied>
  restricted-proxy-requests-not-proxied
</restricted-proxy-requests-not-proxied>
<datagrams-with-bogus-interface>
  datagrams-with-bogus-interface
</datagrams-with-bogus-interface>
<datagrams-with-incorrect-length>
  datagrams-with-incorrect-length
</datagrams-with-incorrect-length>
<datagrams-for-non-ip-protocol>
  datagrams-for-non-ip-protocol
</datagrams-for-non-ip-protocol>
<datagrams-with-unsupported-opcode>
  datagrams-with-unsupported-opcode
</datagrams-with-unsupported-opcode>
<datagrams-with-bad-protocol-address-length>
  datagrams-with-bad-protocol-address-length
</datagrams-with-bad-protocol-address-length>
<datagrams-with-bad-hardware-address-length>
  datagrams-with-bad-hardware-address-length
</datagrams-with-bad-hardware-address-length>
<datagrams-with-multicast-source-address>
  datagrams-with-multicast-source-address
</datagrams-with-multicast-source-address>
<datagrams-with-multicast-target-address>
  datagrams-with-multicast-target-address
</datagrams-with-multicast-target-address>
<datagrams-with-my-own-hardware-address>
  datagrams-with-my-own-hardware-address
</datagrams-with-my-own-hardware-address>
<datagrams-for-an-address-not-on-the-interface>
  datagrams-for-an-address-not-on-the-interface
</datagrams-for-an-address-not-on-the-interface>
<datagrams-with-a-broadcast-source-address>
```

```

    datagrams-with-a-broadcast-source-address
  </datagrams-with-a-broadcast-source-address>
  <datagrams-with-source-address-duplicate-to-mine>
    datagrams-with-source-address-duplicate-to-mine
  </datagrams-with-source-address-duplicate-to-mine>
  <datagrams-which-were-not-for-me>
    datagrams-which-were-not-for-me
  </datagrams-which-were-not-for-me>
  <packets-discarded-waiting-for-resolution>
    packets-discarded-waiting-for-resolution
  </packets-discarded-waiting-for-resolution>
  <packets-sent-after-waiting-for-resolution>
    packets-sent-after-waiting-for-resolution
  </packets-sent-after-waiting-for-resolution>
  <arp-requests-sent>
    arp-requests-sent
  </arp-requests-sent>
  <arp-replies-sent>
    arp-replies-sent
  </arp-replies-sent>
  <requests-for-memory-denied>
    requests-for-memory-denied
  </requests-for-memory-denied>
  <requests-dropped-on-entry>
    requests-dropped-on-entry
  </requests-dropped-on-entry>
  <requests-dropped-during-retry>
    requests-dropped-during-retry
  </requests-dropped-during-retry>
  <requests-dropped-due-to-interface-deletion>
    requests-dropped-due-to-interface-deletion
  </requests-dropped-due-to-interface-deletion>
  <requests-on-unnumbered-interfaces>
    requests-on-unnumbered-interfaces
  </requests-on-unnumbered-interfaces>
  <new-requests-on-unnumbered-interfaces>
    new-requests-on-unnumbered-interfaces
  </new-requests-on-unnumbered-interfaces>
  <replies-from-unnumbered-interfaces>
    replies-from-unnumbered-interfaces
  </replies-from-unnumbered-interfaces>
  <requests-on-unnumbered-interface-with-non-subnetted-donor>
    requests-on-unnumbered-interface-with-non-subnetted-donor
  </requests-on-unnumbered-interface-with-non-subnetted-donor>
  <replies-from-unnumbered-interface-with-non-subnetted-donor>
    replies-from-unnumbered-interface-with-non-subnetted-donor
  </replies-from-unnumbered-interface-with-non-subnetted-donor>
</arp>
</statistics>

```

## Description

## &lt;bridge&gt;

## Usage

```
<statistics>
  <bridge>
    <heading>
      heading
    </heading>
    <bridge-packets-received>
      bridge-packets-received
    </bridge-packets-received>
    <bridge-packets-forwarded>
      bridge-packets-forwarded
    </bridge-packets-forwarded>
    <packets-failed-to-forward>
      packets-failed-to-forward
    </packets-failed-to-forward>
    <bridge-packets-dropped>
      bridge-packets-dropped
    </bridge-packets-dropped>
    <packets-with-vmember-lookup-failures>
      packets-with-vmember-lookup-failures
    </packets-with-vmember-lookup-failures>
    <packets-with-vlan-lookup-failures>
      packets-with-vlan-lookup-failures
    </packets-with-vlan-lookup-failures>
    <packets-with-stp-state-lookup-failures>
      packets-with-stp-state-lookup-failures
    </packets-with-stp-state-lookup-failures>
    <packets-dropped-due-to-stp-blocked-or-listening>
      packets-dropped-due-to-stp-blocked-or-listening
    </packets-dropped-due-to-stp-blocked-or-listening>
    <packets-dropped-due-to-stp-learning>
      packets-dropped-due-to-stp-learning
    </packets-dropped-due-to-stp-learning>
    <packets-with-src-mac-learning-failures>
      packets-with-src-mac-learning-failures
    </packets-with-src-mac-learning-failures>
    <packets-with-input-control-processing-failures>
      packets-with-input-control-processing-failures
    </packets-with-input-control-processing-failures>
    <packets-sent-successfully>
      packets-sent-successfully
    </packets-sent-successfully>
    <packets-with-send-failures>
      packets-with-send-failures
    </packets-with-send-failures>
    <packets-forwarded-to-l3-interface>
      packets-forwarded-to-l3-interface
    </packets-forwarded-to-l3-interface>
    <packets-with-l3-send-failures>
      packets-with-l3-send-failures
    </packets-with-l3-send-failures>
    <packets-discarded>
      packets-discarded
```

```
</packets-discarded>
<packets-with-l2-ifl-store-failures>
  packets-with-l2-ifl-store-failures
</packets-with-l2-ifl-store-failures>
<packets-with-ifl-mismatch-failures>
  packets-with-ifl-mismatch-failures
</packets-with-ifl-mismatch-failures>
<packets-with-packet-duplication-failures>
  packets-with-packet-duplication-failures
</packets-with-packet-duplication-failures>
<packets-with-tag-lookup-failures>
  packets-with-tag-lookup-failures
</packets-with-tag-lookup-failures>
<packets-with-no-route-for-dmac>
  packets-with-no-route-for-dmac
</packets-with-no-route-for-dmac>
<packets-with-no-route-table>
  packets-with-no-route-table
</packets-with-no-route-table>
<packets-with-no-nexthop>
  packets-with-no-nexthop
</packets-with-no-nexthop>
<packets-with-dead-nexthop>
  packets-with-dead-nexthop
</packets-with-dead-nexthop>
<packets-with-eof-reached-error>
  packets-with-eof-reached-error
</packets-with-eof-reached-error>
<macs-learned>
  macs-learned
</macs-learned>
<packets-sent-to-l3-interface>
  packets-sent-to-l3-interface
</packets-sent-to-l3-interface>
<packets-hit-hold-queue-while-learning>
  packets-hit-hold-queue-while-learning
</packets-hit-hold-queue-while-learning>
<mac-moves>
  mac-moves
</mac-moves>
<packets-with-no-route-for-smac>
  packets-with-no-route-for-smac
</packets-with-no-route-for-smac>
<packets-dropped-due-to-no-resolve-route>
  packets-dropped-due-to-no-resolve-route
</packets-dropped-due-to-no-resolve-route>
<packets-with-l3-ifd-lookup-failures>
  packets-with-l3-ifd-lookup-failures
</packets-with-l3-ifd-lookup-failures>
<packets-with-l3-ifl-lookup-failures>
  packets-with-l3-ifl-lookup-failures
</packets-with-l3-ifl-lookup-failures>
<packets-with-l3-invalid-rnh>
  packets-with-l3-invalid-rnh
</packets-with-l3-invalid-rnh>
<packets-with-no-route-for-smac-in-clone-learning>
```

```

    packets-with-no-route-for-smac-in-clone-learning
  </packets-with-no-route-for-smac-in-clone-learning>
  <packets-with-no-nexthop-in-clone-learning>
    packets-with-no-nexthop-in-clone-learning
  </packets-with-no-nexthop-in-clone-learning>
  <packets-with-dead-nexthop-in-clone-learning>
    packets-with-dead-nexthop-in-clone-learning
  </packets-with-dead-nexthop-in-clone-learning>
  <packets-dropped-due-to-no-resolve-nh-in-clone-learning>
    packets-dropped-due-to-no-resolve-nh-in-clone-learning
  </packets-dropped-due-to-no-resolve-nh-in-clone-learning>
  <packets-dropped-due-to-interface-down>
    packets-dropped-due-to-interface-down
  </packets-dropped-due-to-interface-down>
  <packets-with-dev-output-failures>
    packets-with-dev-output-failures
  </packets-with-dev-output-failures>
  <blocked-ifl-discards>
    blocked-ifl-discards
  </blocked-ifl-discards>
  <packets-with-tag-insertion-failures>
    packets-with-tag-insertion-failures
  </packets-with-tag-insertion-failures>
  <packets-with-tag-removal-failures>
    packets-with-tag-removal-failures
  </packets-with-tag-removal-failures>
  <packets-flooded>
    packets-flooded
  </packets-flooded>
  <flood-failures>
    flood-failures
  </flood-failures>
  <packets-with-mpull-failures>
    packets-with-mpull-failures
  </packets-with-mpull-failures>
  <packets-with-ifl-lookup-failures>
    packets-with-ifl-lookup-failures
  </packets-with-ifl-lookup-failures>
  <bridge-packets-with-size-smaller-than-minimum>
    bridge-packets-with-size-smaller-than-minimum
  </bridge-packets-with-size-smaller-than-minimum>
  <packets-with-double-tags>
    packets-with-double-tags
  </packets-with-double-tags>
  <packets-with-no-ifl>
    packets-with-no-ifl
  </packets-with-no-ifl>
  <packets-with-no-family>
    packets-with-no-family
  </packets-with-no-family>
</bridge>
</statistics>

```

## Description



## &lt;cnl&gt;

## Usage

```

<statistics>
  <cnl>
    <total-cn1-packets-received>
      total-cn1-packets-received
    </total-cn1-packets-received>
    <packets-delivered>
      packets-delivered
    </packets-delivered>
    <too-small-packets>
      too-small-packets
    </too-small-packets>
    <packets-with-bad-header-length>
      packets-with-bad-header-length
    </packets-with-bad-header-length>
    <packets-with-bad-checksum>
      packets-with-bad-checksum
    </packets-with-bad-checksum>
    <bad-version-packets>
      bad-version-packets
    </bad-version-packets>
    <unknown-or-unsupported-protocol-packets>
      unknown-or-unsupported-protocol-packets
    </unknown-or-unsupported-protocol-packets>
    <packets-with-bogus-sdl-size>
      packets-with-bogus-sdl-size
    </packets-with-bogus-sdl-size>
    <no-free-memory-in-socket-buffer>
      no-free-memory-in-socket-buffer
    </no-free-memory-in-socket-buffer>
    <send-packets-discarded>
      send-packets-discarded
    </send-packets-discarded>
    <sbappend-failure>
      sbappend-failure
    </sbappend-failure>
    <mcopy-failure>
      mcopy-failure
    </mcopy-failure>
    <address-fields-were-not-reasonable>
      address-fields-were-not-reasonable
    </address-fields-were-not-reasonable>
    <segment-information-forgotten>
      segment-information-forgotten
    </segment-information-forgotten>
    <forwarded-packets>
      forwarded-packets
    </forwarded-packets>
    <total-packets-sent>
      total-packets-sent
    </total-packets-sent>
    <output-packets-discarded>
      output-packets-discarded

```

```
</output-packets-discarded>
<non-forwarded-packets>
  non-forwarded-packets
</non-forwarded-packets>
<packets-fragmented>
  packets-fragmented
</packets-fragmented>
<fragments-sent>
  fragments-sent
</fragments-sent>
<fragments-discarded>
  fragments-discarded
</fragments-discarded>
<fragments-timed-out>
  fragments-timed-out
</fragments-timed-out>
<fragmentation-prohibited>
  fragmentation-prohibited
</fragmentation-prohibited>
<packets-reconstructed>
  packets-reconstructed
</packets-reconstructed>
<packets-destined-to-dead-nexthop>
  packets-destined-to-dead-nexthop
</packets-destined-to-dead-nexthop>
<packets-discarded-due-to-no-route>
  packets-discarded-due-to-no-route
</packets-discarded-due-to-no-route>
<error-pdu-rate-drops>
  error-pdu-rate-drops
</error-pdu-rate-drops>
<er-pdu-generation-failure>
  er-pdu-generation-failure
</er-pdu-generation-failure>
</cml>
</statistics>
```

## Description

<esis>

## Usage

```
<statistics>
  <esis>
    <total-esis-packets-received>
      total-esis-packets-received
    </total-esis-packets-received>
    <total-packets-consumed-by-protocol>
      total-packets-consumed-by-protocol
    </total-packets-consumed-by-protocol>
    <pds-received-with-bad-checksum>
      pds-received-with-bad-checksum
    </pds-received-with-bad-checksum>
    <pds-received-with-bad-version-number>
      pds-received-with-bad-version-number
  </esis>
</statistics>
```

```

</pdus-received-with-bad-version-number>
<pdus-received-with-bad-type-field>
  pdus-received-with-bad-type-field
</pdus-received-with-bad-type-field>
<short-pdus-received>
  short-pdus-received
</short-pdus-received>
<pdus-with-bogus-sdl-size>
  pdus-with-bogus-sdl-size
</pdus-with-bogus-sdl-size>
<pdus-with-bad-header-length>
  pdus-with-bad-header-length
</pdus-with-bad-header-length>
<pdus-with-unknown-or-unsupport-protocol>
  pdus-with-unknown-or-unsupport-protocol
</pdus-with-unknown-or-unsupport-protocol>
<no-free-memory-in-socket-buffer>
  no-free-memory-in-socket-buffer
</no-free-memory-in-socket-buffer>
<send-packets-discarded>
  send-packets-discarded
</send-packets-discarded>
<sbappend-failure>
  sbappend-failure
</sbappend-failure>
<mcopy-failure>
  mcopy-failure
</mcopy-failure>
<iso-family-not-configured>
  iso-family-not-configured
</iso-family-not-configured>
</esis>
</statistics>

```

## Description

### <ethoamcfm>

## Usage

```

<statistics>
  <ethoamcfm>
    <total-packets-received>
      total-packets-received
    </total-packets-received>
    <input-packets-drop-bad-interface-state>
      input-packets-drop-bad-interface-state
    </input-packets-drop-bad-interface-state>
    <received-packets-forwarded>
      received-packets-forwarded
    </received-packets-forwarded>
    <total-packets-transmitted>
      total-packets-transmitted
    </total-packets-transmitted>
    <packets-sent>
      packets-sent

```

```
</packets-sent>
<output-packets-drop-bad-interface-state>
  output-packets-drop-bad-interface-state
</output-packets-drop-bad-interface-state>
<flood-requests-forwarded-to-pfe>
  flood-requests-forwarded-to-pfe
</flood-requests-forwarded-to-pfe>
<flood-requests-dropped>
  flood-requests-dropped
</flood-requests-dropped>
</ethoamcfm>
</statistics>
```

#### Description

<ethoamlfm>

#### Usage

```
<statistics>
<ethoamlfm>
  <total-packets-received>
    total-packets-received
  </total-packets-received>
  <input-packets-drop-bad-interface-state>
    input-packets-drop-bad-interface-state
  </input-packets-drop-bad-interface-state>
  <received-packets-forwarded>
    received-packets-forwarded
  </received-packets-forwarded>
  <total-packets-transmitted>
    total-packets-transmitted
  </total-packets-transmitted>
  <packets-sent>
    packets-sent
  </packets-sent>
  <output-packets-drop-bad-interface-state>
    output-packets-drop-bad-interface-state
  </output-packets-drop-bad-interface-state>
</ethoamlfm>
</statistics>
```

#### Description

<icmp>

#### Usage

```
<statistics>
<icmp>
  <drops-due-to-rate-limit>
    drops-due-to-rate-limit
  </drops-due-to-rate-limit>
  <drops-at-server-ine>
    drops-at-server-ine
  </drops-at-server-ine>
```

```

<calls-to-icmp-error>
  calls-to-icmp-error
</calls-to-icmp-error>
<errors-not-generated-because-old-message-was-icmp>
  errors-not-generated-because-old-message-was-icmp
</errors-not-generated-because-old-message-was-icmp>
<histogram>
  histogram
</histogram>
<messages-with-bad-code-fields>
  messages-with-bad-code-fields
</messages-with-bad-code-fields>
<messages-less-than-the-minimum-length>
  messages-less-than-the-minimum-length
</messages-less-than-the-minimum-length>
<messages-with-bad-checksum>
  messages-with-bad-checksum
</messages-with-bad-checksum>
<messages-with-bad-source-address>
  messages-with-bad-source-address
</messages-with-bad-source-address>
<messages-with-bad-length>
  messages-with-bad-length
</messages-with-bad-length>
<echo-drops-with-broadcast-or-multicast-destination-address>
  echo-drops-with-broadcast-or-multicast-destination-address
</echo-drops-with-broadcast-or-multicast-destination-address>
<timestamp-drops-with-broadcast-or-multicast-destination-address>
  timestamp-drops-with-broadcast-or-multicast-destination-address
</timestamp-drops-with-broadcast-or-multicast-destination-address>
<message-responses-generated>
  message-responses-generated
</message-responses-generated>
</icmp>
</statistics>

```

## Description

### <icmp6>

## Usage

```

<statistics>
  <icmp6>
    <calls-to-icmp6-error>
      calls-to-icmp6-error
    </calls-to-icmp6-error>
    <errors-not-generated-because-old-message-was-icmp-error>
      errors-not-generated-because-old-message-was-icmp-error
    </errors-not-generated-because-old-message-was-icmp-error>
    <errors-not-generated-because-rate-limitation>
      errors-not-generated-because-rate-limitation
    </errors-not-generated-because-rate-limitation>
    <histogram>
      histogram
    </histogram>
  </icmp6>
</statistics>

```

```
<unreachable-icmp6-packets>
  unreachable-icmp6-packets
</unreachable-icmp6-packets>
<packet-too-big>
  packet-too-big
</packet-too-big>
<time-exceeded-icmp6-packets>
  time-exceeded-icmp6-packets
</time-exceeded-icmp6-packets>
<parameter-problem-icmp6-packets>
  parameter-problem-icmp6-packets
</parameter-problem-icmp6-packets>
<icmp6-echo>
  icmp6-echo
</icmp6-echo>
<icmp6-echo-reply>
  icmp6-echo-reply
</icmp6-echo-reply>
<multicast-listener-query>
  multicast-listener-query
</multicast-listener-query>
<multicast-listener-report>
  multicast-listener-report
</multicast-listener-report>
<multicast-listener-done>
  multicast-listener-done
</multicast-listener-done>
<router-solicitation-icmp6-packets>
  router-solicitation-icmp6-packets
</router-solicitation-icmp6-packets>
<router-advertisement-icmp6-packets>
  router-advertisement-icmp6-packets
</router-advertisement-icmp6-packets>
<neighbor-solicitation>
  neighbor-solicitation
</neighbor-solicitation>
<neighbor-advertisement>
  neighbor-advertisement
</neighbor-advertisement>
<redirect>
  redirect
</redirect>
<router-renumbering>
  router-renumbering
</router-renumbering>
<node-information-request>
  node-information-request
</node-information-request>
<node-information-reply>
  node-information-reply
</node-information-reply>
<icmp6-messages-with-bad-code-fields>
  icmp6-messages-with-bad-code-fields
</icmp6-messages-with-bad-code-fields>
<messages-less-than-minimum-length>
  messages-less-than-minimum-length
```

```

</messages-less-than-minimum-length>
<bad-checksums>
  bad-checksums
</bad-checksums>
<icmp6-messages-with-bad-length>
  icmp6-messages-with-bad-length
</icmp6-messages-with-bad-length>
<histogram-of-error-messages-to-be-generated>
  histogram-of-error-messages-to-be-generated
</histogram-of-error-messages-to-be-generated>
<no-route>
  no-route
</no-route>
<administratively-prohibited>
  administratively-prohibited
</administratively-prohibited>
<beyond-scope>
  beyond-scope
</beyond-scope>
<address-unreachable>
  address-unreachable
</address-unreachable>
<port-unreachable>
  port-unreachable
</port-unreachable>
<time-exceed-transit>
  time-exceed-transit
</time-exceed-transit>
<time-exceed-reassembly>
  time-exceed-reassembly
</time-exceed-reassembly>
<erroneous-header-field>
  erroneous-header-field
</erroneous-header-field>
<unrecognized-next-header>
  unrecognized-next-header
</unrecognized-next-header>
<unrecognized-option>
  unrecognized-option
</unrecognized-option>
<unknown>
  unknown
</unknown>
<icmp6-message-responses-generated>
  icmp6-message-responses-generated
</icmp6-message-responses-generated>
<messages-with-too-many-nd-options>
  messages-with-too-many-nd-options
</messages-with-too-many-nd-options>
</icmp6>
</statistics>

```

## Description

## &lt;igmp&gt;

## Usage

```
<statistics>
  <igmp>
    <messages-received>
      messages-received
    </messages-received>
    <messages-received-with-too-few-bytes>
      messages-received-with-too-few-bytes
    </messages-received-with-too-few-bytes>
    <messages-received-with-bad-checksum>
      messages-received-with-bad-checksum
    </messages-received-with-bad-checksum>
    <membership-queries-received>
      membership-queries-received
    </membership-queries-received>
    <membership-queries-received-with-invalid-fields>
      membership-queries-received-with-invalid-fields
    </membership-queries-received-with-invalid-fields>
    <membership-reports-received>
      membership-reports-received
    </membership-reports-received>
    <membership-reports-received-with-invalid-fields>
      membership-reports-received-with-invalid-fields
    </membership-reports-received-with-invalid-fields>
    <membership-reports-received-for-groups-to-which-we-belong>
      membership-reports-received-for-groups-to-which-we-belong
    </membership-reports-received-for-groups-to-which-we-belong>
    <membership-reports-sent>
      membership-reports-sent
    </membership-reports-sent>
  </igmp>
</statistics>
```

## Description

## &lt;ip&gt;

## Usage

```
<statistics>
  <ip>
    <packets-received>
      packets-received
    </packets-received>
    <bad-header-checksums>
      bad-header-checksums
    </bad-header-checksums>
    <packets-with-size-smaller-than-minimum>
      packets-with-size-smaller-than-minimum
    </packets-with-size-smaller-than-minimum>
    <packets-with-data-size-less-than-datalength>
      packets-with-data-size-less-than-datalength
    </packets-with-data-size-less-than-datalength>
```



```
<packets-with-header-length-less-than-data-size>
  packets-with-header-length-less-than-data-size
</packets-with-header-length-less-than-data-size>
<packets-with-data-length-less-than-headerlength>
  packets-with-data-length-less-than-headerlength
</packets-with-data-length-less-than-headerlength>
<packets-with-incorrect-version-number>
  packets-with-incorrect-version-number
</packets-with-incorrect-version-number>
<packets-destined-to-dead-next-hop>
  packets-destined-to-dead-next-hop
</packets-destined-to-dead-next-hop>
<fragments-received>
  fragments-received
</fragments-received>
<fragments-dropped-due-to-outofspace-or-dup>
  fragments-dropped-due-to-outofspace-or-dup
</fragments-dropped-due-to-outofspace-or-dup>
<fragments-dropped-due-to-queueoverflow>
  fragments-dropped-due-to-queueoverflow
</fragments-dropped-due-to-queueoverflow>
<fragments-dropped-after-timeout>
  fragments-dropped-after-timeout
</fragments-dropped-after-timeout>
<fragments-dropped-due-to-over-limit>
  fragments-dropped-due-to-over-limit
</fragments-dropped-due-to-over-limit>
<packets-reassembled-ok>
  packets-reassembled-ok
</packets-reassembled-ok>
<packets-for-this-host>
  packets-for-this-host
</packets-for-this-host>
<packets-for-unknown-or-unsupported-protocol>
  packets-for-unknown-or-unsupported-protocol
</packets-for-unknown-or-unsupported-protocol>
<packets-forwarded>
  packets-forwarded
</packets-forwarded>
<packets-not-forwardable>
  packets-not-forwardable
</packets-not-forwardable>
<redirects-sent>
  redirects-sent
</redirects-sent>
<packets-sent-from-this-host>
  packets-sent-from-this-host
</packets-sent-from-this-host>
<packets-sent-with-fabricated-ip-header>
  packets-sent-with-fabricated-ip-header
</packets-sent-with-fabricated-ip-header>
<output-packets-dropped-due-to-no-bufs>
  output-packets-dropped-due-to-no-bufs
</output-packets-dropped-due-to-no-bufs>
<output-packets-discarded-due-to-no-route>
  output-packets-discarded-due-to-no-route
```

```
</output-packets-discarded-due-to-no-route>
<output-datagrams-fragmented>
  output-datagrams-fragmented
</output-datagrams-fragmented>
<fragments-created>
  fragments-created
</fragments-created>
<datagrams-that-can-not-be-fragmented>
  datagrams-that-can-not-be-fragmented
</datagrams-that-can-not-be-fragmented>
<packets-with-bad-options>
  packets-with-bad-options
</packets-with-bad-options>
<packets-with-options-handled-without-error>
  packets-with-options-handled-without-error
</packets-with-options-handled-without-error>
<strict-source-and-record-route-options>
  strict-source-and-record-route-options
</strict-source-and-record-route-options>
<loose-source-and-record-route-options>
  loose-source-and-record-route-options
</loose-source-and-record-route-options>
<record-route-options>
  record-route-options
</record-route-options>
<timestamp-options>
  timestamp-options
</timestamp-options>
<timestamp-and-address-options>
  timestamp-and-address-options
</timestamp-and-address-options>
<timestamp-and-prespecified-address-options>
  timestamp-and-prespecified-address-options
</timestamp-and-prespecified-address-options>
<option-packets-dropped-due-to-rate-limit>
  option-packets-dropped-due-to-rate-limit
</option-packets-dropped-due-to-rate-limit>
<router-alert-options>
  router-alert-options
</router-alert-options>
<multicast-packets-dropped>
  multicast-packets-dropped
</multicast-packets-dropped>
<packets-dropped>
  packets-dropped
</packets-dropped>
<transit-re-packets-dropped-on-mgmt-interface>
  transit-re-packets-dropped-on-mgmt-interface
</transit-re-packets-dropped-on-mgmt-interface>
<packets-used-first-nexthop-in-ecmp-unilist>
  packets-used-first-nexthop-in-ecmp-unilist
</packets-used-first-nexthop-in-ecmp-unilist>
<incoming-ttpoip-packets-received>
  incoming-ttpoip-packets-received
</incoming-ttpoip-packets-received>
<incoming-ttpoip-packets-dropped>
```

```

    incoming-ttpoip-packets-dropped
  </incoming-ttpoip-packets-dropped>
  <outgoing-ttpoip-packets-sent>
    outgoing-ttpoip-packets-sent
  </outgoing-ttpoip-packets-sent>
  <outgoing-ttpoip-packets-dropped>
    outgoing-ttpoip-packets-dropped
  </outgoing-ttpoip-packets-dropped>
  <incoming-rawip-packets-dropped-no-socket-buffer>
    incoming-rawip-packets-dropped-no-socket-buffer
  </incoming-rawip-packets-dropped-no-socket-buffer>
</ip>
</statistics>

```

## Description

<ip6>

## Usage

```

<statistics>
  <ip6>
    <total-packets-received>
      total-packets-received
    </total-packets-received>
    <ip6-packets-with-size-smaller-than-minimum>
      ip6-packets-with-size-smaller-than-minimum
    </ip6-packets-with-size-smaller-than-minimum>
    <packets-with-datasize-less-than-data-length>
      packets-with-datasize-less-than-data-length
    </packets-with-datasize-less-than-data-length>
    <ip6-packets-with-bad-options>
      ip6-packets-with-bad-options
    </ip6-packets-with-bad-options>
    <ip6-packets-with-incorrect-version-number>
      ip6-packets-with-incorrect-version-number
    </ip6-packets-with-incorrect-version-number>
    <ip6-fragments-received>
      ip6-fragments-received
    </ip6-fragments-received>
    <duplicate-or-out-of-space-fragments-dropped>
      duplicate-or-out-of-space-fragments-dropped
    </duplicate-or-out-of-space-fragments-dropped>
    <ip6-fragments-dropped-after-timeout>
      ip6-fragments-dropped-after-timeout
    </ip6-fragments-dropped-after-timeout>
    <fragments-that-exceeded-limit>
      fragments-that-exceeded-limit
    </fragments-that-exceeded-limit>
    <ip6-packets-reassembled-ok>
      ip6-packets-reassembled-ok
    </ip6-packets-reassembled-ok>
    <ip6-packets-for-this-host>
      ip6-packets-for-this-host
    </ip6-packets-for-this-host>
    <ip6-packets-forwarded>

```

```
    ip6-packets-forwarded
  </ip6-packets-forwarded>
  <ip6-packets-not-forwardable>
    ip6-packets-not-forwardable
  </ip6-packets-not-forwardable>
  <ip6-redirects-sent>
    ip6-redirects-sent
  </ip6-redirects-sent>
  <ip6-packets-sent-from-this-host>
    ip6-packets-sent-from-this-host
  </ip6-packets-sent-from-this-host>
  <ip6-packets-sent-with-fabricated-ip-header>
    ip6-packets-sent-with-fabricated-ip-header
  </ip6-packets-sent-with-fabricated-ip-header>
  <ip6-output-packets-dropped-due-to-no-bufs>
    ip6-output-packets-dropped-due-to-no-bufs
  </ip6-output-packets-dropped-due-to-no-bufs>
  <ip6-output-packets-discarded-due-to-no-route>
    ip6-output-packets-discarded-due-to-no-route
  </ip6-output-packets-discarded-due-to-no-route>
  <ip6-output-datagrams-fragmented>
    ip6-output-datagrams-fragmented
  </ip6-output-datagrams-fragmented>
  <ip6-fragments-created>
    ip6-fragments-created
  </ip6-fragments-created>
  <ip6-datagrams-that-can-not-be-fragmented>
    ip6-datagrams-that-can-not-be-fragmented
  </ip6-datagrams-that-can-not-be-fragmented>
  <packets-that-violated-scope-rules>
    packets-that-violated-scope-rules
  </packets-that-violated-scope-rules>
  <multicast-packets-which-we-do-not-join>
    multicast-packets-which-we-do-not-join
  </multicast-packets-which-we-do-not-join>
  <histogram>
    histogram
  </histogram>
  <ip6nh-hop-by-hop>
    ip6nh-hop-by-hop
  </ip6nh-hop-by-hop>
  <ip6nh-icmp>
    ip6nh-icmp
  </ip6nh-icmp>
  <ip6nh-igmp>
    ip6nh-igmp
  </ip6nh-igmp>
  <ip6nh-ip>
    ip6nh-ip
  </ip6nh-ip>
  <ip6nh-tcp>
    ip6nh-tcp
  </ip6nh-tcp>
  <ip6nh-udp>
    ip6nh-udp
  </ip6nh-udp>
```

```
<ip6nh-idp>
  ip6nh-idp
</ip6nh-idp>
<ip6nh-tp>
  ip6nh-tp
</ip6nh-tp>
<ip6nh-ip6>
  ip6nh-ip6
</ip6nh-ip6>
<ip6nh-routing>
  ip6nh-routing
</ip6nh-routing>
<ip6nh-fragment>
  ip6nh-fragment
</ip6nh-fragment>
<ip6nh-esp>
  ip6nh-esp
</ip6nh-esp>
<ip6nh-ah>
  ip6nh-ah
</ip6nh-ah>
<ip6nh-icmp6>
  ip6nh-icmp6
</ip6nh-icmp6>
<ip6nh-no-next-header>
  ip6nh-no-next-header
</ip6nh-no-next-header>
<ip6nh-destination-option>
  ip6nh-destination-option
</ip6nh-destination-option>
<ip6nh-isoip>
  ip6nh-isoip
</ip6nh-isoip>
<ip6nh-ospf>
  ip6nh-ospf
</ip6nh-ospf>
<ip6nh-ethernet>
  ip6nh-ethernet
</ip6nh-ethernet>
<ip6nh-pim>
  ip6nh-pim
</ip6nh-pim>
<mbuf-statistics>
  mbuf-statistics
</mbuf-statistics>
<node-locals>
  node-locals
</node-locals>
<link-locals>
  link-locals
</link-locals>
<site-locals>
  site-locals
</site-locals>
<globals>
  globals
```

```
</globals>
<address-scope>
  address-scope
</address-scope>
<hex-value>
  hex-value
</hex-value>
<header-for-source-address-selection>
  header-for-source-address-selection
</header-for-source-address-selection>
<packets-whose-headers-are-not-continuous>
  packets-whose-headers-are-not-continuous
</packets-whose-headers-are-not-continuous>
<tunneling-packets-that-can-not-find-gif>
  tunneling-packets-that-can-not-find-gif
</tunneling-packets-that-can-not-find-gif>
<packets-discarded-due-to-too-many-headers>
  packets-discarded-due-to-too-many-headers
</packets-discarded-due-to-too-many-headers>
<failures-of-source-address-selection>
  failures-of-source-address-selection
</failures-of-source-address-selection>
<forward-cache-hit>
  forward-cache-hit
</forward-cache-hit>
<forward-cache-miss>
  forward-cache-miss
</forward-cache-miss>
<ip6-packets-destined-to-dead-next-hop>
  ip6-packets-destined-to-dead-next-hop
</ip6-packets-destined-to-dead-next-hop>
<ip6-option-packets-dropped-due-to-rate-limit>
  ip6-option-packets-dropped-due-to-rate-limit
</ip6-option-packets-dropped-due-to-rate-limit>
<ip6-packets-dropped>
  ip6-packets-dropped
</ip6-packets-dropped>
<packets-dropped-due-to-bad-protocol>
  packets-dropped-due-to-bad-protocol
</packets-dropped-due-to-bad-protocol>
<transit-re-packet-dropped-on-mgmt-interface>
  transit-re-packet-dropped-on-mgmt-interface
</transit-re-packet-dropped-on-mgmt-interface>
<packet-used-first-nexthop-in-ecmp-unilist>
  packet-used-first-nexthop-in-ecmp-unilist
</packet-used-first-nexthop-in-ecmp-unilist>
</ip6>
</statistics>
```

## Description

<ipsec>

## Usage

<statistics>

```

<ipsec>
  <inbound-packets-processed-successfully>
    inbound-packets-processed-successfully
  </inbound-packets-processed-successfully>
  <inbound-packets-violated-process-security-policy>
    inbound-packets-violated-process-security-policy
  </inbound-packets-violated-process-security-policy>
  <inbound-packets-with-no-sa-available>
    inbound-packets-with-no-sa-available
  </inbound-packets-with-no-sa-available>
  <invalid-inbound-packets>
    invalid-inbound-packets
  </invalid-inbound-packets>
  <inbound-packets-failed-due-to-insufficient-memory>
    inbound-packets-failed-due-to-insufficient-memory
  </inbound-packets-failed-due-to-insufficient-memory>
  <inbound-packets-failed-getting-spi>
    inbound-packets-failed-getting-spi
  </inbound-packets-failed-getting-spi>
  <inbound-packets-failed-on-ah-replay-check>
    inbound-packets-failed-on-ah-replay-check
  </inbound-packets-failed-on-ah-replay-check>
  <inbound-packets-failed-on-esp-replay-check>
    inbound-packets-failed-on-esp-replay-check
  </inbound-packets-failed-on-esp-replay-check>
  <inbound-packets-considered-authentic>
    inbound-packets-considered-authentic
  </inbound-packets-considered-authentic>
  <inbound-packets-failed-on-authentication>
    inbound-packets-failed-on-authentication
  </inbound-packets-failed-on-authentication>
  <inbound-esp-packets-considered-authentic>
    inbound-esp-packets-considered-authentic
  </inbound-esp-packets-considered-authentic>
  <inbound-esp-packets-failed-on-authentication>
    inbound-esp-packets-failed-on-authentication
  </inbound-esp-packets-failed-on-authentication>
  <histogram>
    histogram
  </histogram>
  <ahnames-none>
    ahnames-none
  </ahnames-none>
  <ahnames-hmac-md5>
    ahnames-hmac-md5
  </ahnames-hmac-md5>
  <ahnames-hmac-sha1>
    ahnames-hmac-sha1
  </ahnames-hmac-sha1>
  <ahnames-md5>
    ahnames-md5
  </ahnames-md5>
  <ahnames-sha>
    ahnames-sha
  </ahnames-sha>
  <ahnames-null>

```

```
    ahnames-null
  </ahnames-null>
  <ahnames-hmac-sha2-256>
    ahnames-hmac-sha2-256
  </ahnames-hmac-sha2-256>
  <ahnames-hmac-sha2-384>
    ahnames-hmac-sha2-384
  </ahnames-hmac-sha2-384>
  <ahnames-hmac-sha2-512>
    ahnames-hmac-sha2-512
  </ahnames-hmac-sha2-512>
  <ahnames-hmac-ripemd160>
    ahnames-hmac-ripemd160
  </ahnames-hmac-ripemd160>
  <ahnames-aes-xcbc-mac>
    ahnames-aes-xcbc-mac
  </ahnames-aes-xcbc-mac>
  <espnames-none>
    espnames-none
  </espnames-none>
  <espnames-des-cbc>
    espnames-des-cbc
  </espnames-des-cbc>
  <espnames-3des-cbc>
    espnames-3des-cbc
  </espnames-3des-cbc>
  <espnames-null>
    espnames-null
  </espnames-null>
  <espnames-cast128-cbc>
    espnames-cast128-cbc
  </espnames-cast128-cbc>
  <espnames-blowfish-cbc>
    espnames-blowfish-cbc
  </espnames-blowfish-cbc>
  <espnames-rijndael-cbc>
    espnames-rijndael-cbc
  </espnames-rijndael-cbc>
  <espnames-aes-ctr>
    espnames-aes-ctr
  </espnames-aes-ctr>
  <compnames-none>
    compnames-none
  </compnames-none>
  <compnames-oui>
    compnames-oui
  </compnames-oui>
  <compnames-deflate>
    compnames-deflate
  </compnames-deflate>
  <compnames-lzs>
    compnames-lzs
  </compnames-lzs>
  <protocol>
    protocol
  </protocol>
```



```

<outbound-packets-processed-successfully>
  outbound-packets-processed-successfully
</outbound-packets-processed-successfully>
<outbound-packets-violated-process-security-policy>
  outbound-packets-violated-process-security-policy
</outbound-packets-violated-process-security-policy>
<outbound-packets-with-no-sa-available>
  outbound-packets-with-no-sa-available
</outbound-packets-with-no-sa-available>
<invalid-outbound-packets>
  invalid-outbound-packets
</invalid-outbound-packets>
<outbound-packets-failed-due-to-insufficient-memory>
  outbound-packets-failed-due-to-insufficient-memory
</outbound-packets-failed-due-to-insufficient-memory>
<outbound-packets-with-no-route>
  outbound-packets-with-no-route
</outbound-packets-with-no-route>
<spd-cache-lookups>
  spd-cache-lookups
</spd-cache-lookups>
<spd-cache-misses>
  spd-cache-misses
</spd-cache-misses>
</ipsec>
</statistics>

```

## Description

<ipsec6>

## Usage

```

<statistics>
  <ipsec6>
    <inbound-packets-processed-successfully>
      inbound-packets-processed-successfully
    </inbound-packets-processed-successfully>
    <inbound-packets-violated-process-security-policy>
      inbound-packets-violated-process-security-policy
    </inbound-packets-violated-process-security-policy>
    <inbound-packets-with-no-sa-available>
      inbound-packets-with-no-sa-available
    </inbound-packets-with-no-sa-available>
    <invalid-inbound-packets>
      invalid-inbound-packets
    </invalid-inbound-packets>
    <inbound-packets-failed-due-to-insufficient-memory>
      inbound-packets-failed-due-to-insufficient-memory
    </inbound-packets-failed-due-to-insufficient-memory>
    <inbound-packets-failed-getting-spi>
      inbound-packets-failed-getting-spi
    </inbound-packets-failed-getting-spi>
    <inbound-packets-failed-on-ah-replay-check>
      inbound-packets-failed-on-ah-replay-check
    </inbound-packets-failed-on-ah-replay-check>
  </ipsec6>
</statistics>

```

```
<inbound-packets-failed-on-esp-replay-check>
  inbound-packets-failed-on-esp-replay-check
</inbound-packets-failed-on-esp-replay-check>
<inbound-packets-considered-authentic>
  inbound-packets-considered-authentic
</inbound-packets-considered-authentic>
<inbound-packets-failed-on-authentication>
  inbound-packets-failed-on-authentication
</inbound-packets-failed-on-authentication>
<inbound-esp-packets-considered-authentic>
  inbound-esp-packets-considered-authentic
</inbound-esp-packets-considered-authentic>
<inbound-esp-packets-failed-on-authentication>
  inbound-esp-packets-failed-on-authentication
</inbound-esp-packets-failed-on-authentication>
<histogram>
  histogram
</histogram>
<ahnames-none>
  ahnames-none
</ahnames-none>
<ahnames-hmac-md5>
  ahnames-hmac-md5
</ahnames-hmac-md5>
<ahnames-hmac-sha1>
  ahnames-hmac-sha1
</ahnames-hmac-sha1>
<ahnames-md5>
  ahnames-md5
</ahnames-md5>
<ahnames-sha>
  ahnames-sha
</ahnames-sha>
<ahnames-null>
  ahnames-null
</ahnames-null>
<ahnames-hmac-sha2-256>
  ahnames-hmac-sha2-256
</ahnames-hmac-sha2-256>
<ahnames-hmac-sha2-384>
  ahnames-hmac-sha2-384
</ahnames-hmac-sha2-384>
<ahnames-hmac-sha2-512>
  ahnames-hmac-sha2-512
</ahnames-hmac-sha2-512>
<ahnames-hmac-ripemd160>
  ahnames-hmac-ripemd160
</ahnames-hmac-ripemd160>
<ahnames-aes-xcbc-mac>
  ahnames-aes-xcbc-mac
</ahnames-aes-xcbc-mac>
<espnames-none>
  espnames-none
</espnames-none>
<espnames-des-cbc>
  espnames-des-cbc
```

```
</espnames-des-cbc>
<espnames-3des-cbc>
  espnames-3des-cbc
</espnames-3des-cbc>
<espnames-null>
  espnames-null
</espnames-null>
<espnames-cast128-cbc>
  espnames-cast128-cbc
</espnames-cast128-cbc>
<espnames-blowfish-cbc>
  espnames-blowfish-cbc
</espnames-blowfish-cbc>
<espnames-rijndael-cbc>
  espnames-rijndael-cbc
</espnames-rijndael-cbc>
<espnames-aes-ctr>
  espnames-aes-ctr
</espnames-aes-ctr>
<compnames-none>
  compnames-none
</compnames-none>
<compnames-oui>
  compnames-oui
</compnames-oui>
<compnames-deflate>
  compnames-deflate
</compnames-deflate>
<compnames-lzs>
  compnames-lzs
</compnames-lzs>
<proto>
  proto
</proto>
<outbound-packets-processed-successfully>
  outbound-packets-processed-successfully
</outbound-packets-processed-successfully>
<outbound-packets-violated-process-security-policy>
  outbound-packets-violated-process-security-policy
</outbound-packets-violated-process-security-policy>
<outbound-packets-with-no-sa-available>
  outbound-packets-with-no-sa-available
</outbound-packets-with-no-sa-available>
<invalid-outbound-packets>
  invalid-outbound-packets
</invalid-outbound-packets>
<outbound-packets-failed-due-to-insufficient-memory>
  outbound-packets-failed-due-to-insufficient-memory
</outbound-packets-failed-due-to-insufficient-memory>
<outbound-packets-with-no-route>
  outbound-packets-with-no-route
</outbound-packets-with-no-route>
<spd-cache-lookups>
  spd-cache-lookups
</spd-cache-lookups>
<spd-cache-misses>
```

```
    spd-cache-misses
  </spd-cache-misses>
</ipsec6>
</statistics>
```

## Description

<mpls>

## Usage

```
<statistics>
  <mpls>
    <total-mpls-packets-received>
      total-mpls-packets-received
    </total-mpls-packets-received>
    <packets-forwarded>
      packets-forwarded
    </packets-forwarded>
    <packets-dropped>
      packets-dropped
    </packets-dropped>
    <packets-with-header-too-small>
      packets-with-header-too-small
    </packets-with-header-too-small>
    <after-tagging-packets-can-not-fit-link-mtu>
      after-tagging-packets-can-not-fit-link-mtu
    </after-tagging-packets-can-not-fit-link-mtu>
    <packets-with-ipv4-explicit-null-tag>
      packets-with-ipv4-explicit-null-tag
    </packets-with-ipv4-explicit-null-tag>
    <packets-with-ipv4-explicit-null-checksum-errors>
      packets-with-ipv4-explicit-null-checksum-errors
    </packets-with-ipv4-explicit-null-checksum-errors>
    <packets-with-router-alert-tag>
      packets-with-router-alert-tag
    </packets-with-router-alert-tag>
    <lsp-ping-packets>
      lsp-ping-packets
    </lsp-ping-packets>
    <packets-with-ttl-expired>
      packets-with-ttl-expired
    </packets-with-ttl-expired>
    <packets-with-tag-encoding-error>
      packets-with-tag-encoding-error
    </packets-with-tag-encoding-error>
    <packets-discarded-due-to-no-route>
      packets-discarded-due-to-no-route
    </packets-discarded-due-to-no-route>
    <packets-used-first-nexthop-in-ecmp-unilist>
      packets-used-first-nexthop-in-ecmp-unilist
    </packets-used-first-nexthop-in-ecmp-unilist>
  </mpls>
</statistics>
```

Description	
<pfkey>	
Usage	<pre> &lt;statistics&gt;   &lt;pfkey&gt;     &lt;requests-sent-from-userland&gt;       <i>requests-sent-from-userland</i>     &lt;/requests-sent-from-userland&gt;     &lt;bytes-sent-from-userland&gt;       <i>bytes-sent-from-userland</i>     &lt;/bytes-sent-from-userland&gt;     &lt;histogram&gt;       <i>histogram</i>     &lt;/histogram&gt;     &lt;reserved&gt;       <i>reserved</i>     &lt;/reserved&gt;     &lt;getspi&gt;       <i>getspi</i>     &lt;/getspi&gt;     &lt;update&gt;       <i>update</i>     &lt;/update&gt;     &lt;add&gt;       <i>add</i>     &lt;/add&gt;     &lt;delete&gt;       <i>delete</i>     &lt;/delete&gt;     &lt;get&gt;       <i>get</i>     &lt;/get&gt;     &lt;acquire&gt;       <i>acquire</i>     &lt;/acquire&gt;     &lt;register&gt;       <i>register</i>     &lt;/register&gt;     &lt;expire&gt;       <i>expire</i>     &lt;/expire&gt;     &lt;flush&gt;       <i>flush</i>     &lt;/flush&gt;     &lt;dump&gt;       <i>dump</i>     &lt;/dump&gt;     &lt;x-promisc&gt;       <i>x-promisc</i>     &lt;/x-promisc&gt;     &lt;x-pchange&gt;       <i>x-pchange</i>     &lt;/x-pchange&gt;     &lt;x-spduupdate&gt; </pre>

```
    x-spduupdate
  </x-spduupdate>
  <x-spduadd>
    x-spduadd
  </x-spduadd>
  <x-spdddelete>
    x-spdddelete
  </x-spdddelete>
  <x-spduget>
    x-spduget
  </x-spduget>
  <x-spduacquire>
    x-spduacquire
  </x-spduacquire>
  <x-spddump>
    x-spddump
  </x-spddump>
  <x-spduflush>
    x-spduflush
  </x-spduflush>
  <x-spdusetidx>
    x-spdusetidx
  </x-spdusetidx>
  <x-spduexpire>
    x-spduexpire
  </x-spduexpire>
  <x-spdddelete2>
    x-spdddelete2
  </x-spdddelete2>
  <messages-with-invalid-length-field>
    messages-with-invalid-length-field
  </messages-with-invalid-length-field>
  <messages-with-invalid-version-field>
    messages-with-invalid-version-field
  </messages-with-invalid-version-field>
  <messages-with-invalid-message-type-field>
    messages-with-invalid-message-type-field
  </messages-with-invalid-message-type-field>
  <messages-too-short>
    messages-too-short
  </messages-too-short>
  <outgoing-messages-with-memory-allocation-failure>
    outgoing-messages-with-memory-allocation-failure
  </outgoing-messages-with-memory-allocation-failure>
  <messages-with-duplicate-extension>
    messages-with-duplicate-extension
  </messages-with-duplicate-extension>
  <messages-with-invalid-extension-type>
    messages-with-invalid-extension-type
  </messages-with-invalid-extension-type>
  <messages-with-invalid-sa-type>
    messages-with-invalid-sa-type
  </messages-with-invalid-sa-type>
  <messages-with-invalid-address-extension>
    messages-with-invalid-address-extension
  </messages-with-invalid-address-extension>
```

```

<requests-sent-to-userland>
  requests-sent-to-userland
</requests-sent-to-userland>
<bytes-sent-to-userland>
  bytes-sent-to-userland
</bytes-sent-to-userland>
<messages-toward-single-socket>
  messages-toward-single-socket
</messages-toward-single-socket>
<messages-toward-all-sockets>
  messages-toward-all-sockets
</messages-toward-all-sockets>
<messages-toward-registered-sockets>
  messages-toward-registered-sockets
</messages-toward-registered-sockets>
<incoming-messages-with-memory-allocation-failure>
  incoming-messages-with-memory-allocation-failure
</incoming-messages-with-memory-allocation-failure>
</pfkey>
</statistics>

```

## Description

### <raw-interface>

#### Usage

```

<statistics>
  <raw-interface>
    <raw-packets-transmitted>
      raw-packets-transmitted
    </raw-packets-transmitted>
    <ppoe-packets-transmitted>
      ppoe-packets-transmitted
    </ppoe-packets-transmitted>
    <isdn-packets-transmitted>
      isdn-packets-transmitted
    </isdn-packets-transmitted>
    <dialer-packets-transmitted>
      dialer-packets-transmitted
    </dialer-packets-transmitted>
    <ppp-packets-transmitted-to-pppd>
      ppp-packets-transmitted-to-pppd
    </ppp-packets-transmitted-to-pppd>
    <ppp-packets-transmitted-to-jppd>
      ppp-packets-transmitted-to-jppd
    </ppp-packets-transmitted-to-jppd>
    <igmpl2-packets-transmitted>
      igmpl2-packets-transmitted
    </igmpl2-packets-transmitted>
    <stp-packets-transmitted>
      stp-packets-transmitted
    </stp-packets-transmitted>
    <faboam-packets-transmitted>
      faboam-packets-transmitted
    </faboam-packets-transmitted>
  </raw-interface>
</statistics>

```

```
<output-drops-due-to-transmit-error>
  output-drops-due-to-transmit-error
</output-drops-due-to-transmit-error>
<mpu-packets-transmitted>
  mpu-packets-transmitted
</mpu-packets-transmitted>
<pppoe-packets-received>
  pppoe-packets-received
</pppoe-packets-received>
<isdn-packets-received>
  isdn-packets-received
</isdn-packets-received>
<dialer-packets-received>
  dialer-packets-received
</dialer-packets-received>
<ppp-packets-received-from-pppd>
  ppp-packets-received-from-pppd
</ppp-packets-received-from-pppd>
<mpu-packets-received>
  mpu-packets-received
</mpu-packets-received>
<ppp-packets-received-from-jppd>
  ppp-packets-received-from-jppd
</ppp-packets-received-from-jppd>
<igmpl2-packets-received>
  igmpl2-packets-received
</igmpl2-packets-received>
<stp-packets-received>
  stp-packets-received
</stp-packets-received>
<faboam-packets-received>
  faboam-packets-received
</faboam-packets-received>
<stp-packets-dropped>
  stp-packets-dropped
</stp-packets-dropped>
<faboam-packets-dropped>
  faboam-packets-dropped
</faboam-packets-dropped>
<input-drops-due-to-bogus-protocol>
  input-drops-due-to-bogus-protocol
</input-drops-due-to-bogus-protocol>
<input-drops-due-to-no-mbufs-available>
  input-drops-due-to-no-mbufs-available
</input-drops-due-to-no-mbufs-available>
<input-drops-due-to-no-space-in-socket>
  input-drops-due-to-no-space-in-socket
</input-drops-due-to-no-space-in-socket>
<input-drops-due-to-no-socket>
  input-drops-due-to-no-socket
</input-drops-due-to-no-socket>
</raw-interface>
</statistics>
```



Description	
<b>&lt;rdp&gt;</b>	
Usage	<pre> &lt;statistics&gt;   &lt;rdp&gt;     &lt;input-packets&gt;       <i>input-packets</i>     &lt;/input-packets&gt;     &lt;packets-discarded-for-bad-checksum&gt;       <i>packets-discarded-for-bad-checksum</i>     &lt;/packets-discarded-for-bad-checksum&gt;     &lt;packets-discarded-due-to-bad-sequence-number&gt;       <i>packets-discarded-due-to-bad-sequence-number</i>     &lt;/packets-discarded-due-to-bad-sequence-number&gt;     &lt;refused-connections&gt;       <i>refused-connections</i>     &lt;/refused-connections&gt;     &lt;acks-received&gt;       <i>acks-received</i>     &lt;/acks-received&gt;     &lt;packets-dropped-due-to-full-socket-buffers&gt;       <i>packets-dropped-due-to-full-socket-buffers</i>     &lt;/packets-dropped-due-to-full-socket-buffers&gt;     &lt;packets-dropped-full-repl-sock-buf&gt;       <i>packets-dropped-full-repl-sock-buf</i>     &lt;/packets-dropped-full-repl-sock-buf&gt;     &lt;retransmits&gt;       <i>retransmits</i>     &lt;/retransmits&gt;     &lt;output-packets&gt;       <i>output-packets</i>     &lt;/output-packets&gt;     &lt;acks-sent&gt;       <i>acks-sent</i>     &lt;/acks-sent&gt;     &lt;connects&gt;       <i>connects</i>     &lt;/connects&gt;     &lt;closes&gt;       <i>closes</i>     &lt;/closes&gt;     &lt;keepalives-received&gt;       <i>keepalives-received</i>     &lt;/keepalives-received&gt;     &lt;keepalives-sent&gt;       <i>keepalives-sent</i>     &lt;/keepalives-sent&gt;   &lt;/rdp&gt; &lt;/statistics&gt; </pre>
Description	

## <statistics>

### Usage

```
<statistics>
  <tcp>....</tcp>
  <udp>....</udp>
  <ip>....</ip>
  <icmp>....</icmp>
  <igmp>....</igmp>
  <ipsec>....</ipsec>
  <raw-interface>....</raw-interface>
  <arp>....</arp>
  <ip6>....</ip6>
  <icmp6>....</icmp6>
  <ipsec6>....</ipsec6>
  <pfkey>....</pfkey>
  <clnl>....</clnl>
  <esis>....</esis>
  <tnp>....</tnp>
  <rdp>....</rdp>
  <tudp>....</tudp>
  <ttp>....</ttp>
  <mpls>....</mpls>
  <vpls>....</vpls>
  <bridge>....</bridge>
  <ethoamcfm>....</ethoamcfm>
  <ethoamlfm>....</ethoamlfm>
</statistics>
```

### Description

## <tcp>

### Usage

```
<statistics>
  <tcp>
    <packets-sent>
      packets-sent
    </packets-sent>
    <sent-data-packets>
      sent-data-packets
    </sent-data-packets>
    <data-packets-bytes>
      data-packets-bytes
    </data-packets-bytes>
    <sent-data-packets-retransmitted>
      sent-data-packets-retransmitted
    </sent-data-packets-retransmitted>
    <retransmitted-bytes>
      retransmitted-bytes
    </retransmitted-bytes>
    <sent-resends-by-mtu-discovery>
      sent-resends-by-mtu-discovery
    </sent-resends-by-mtu-discovery>
```

```
<sent-ack-only-packets>
  sent-ack-only-packets
</sent-ack-only-packets>
<sent-packets-delayed>
  sent-packets-delayed
</sent-packets-delayed>
<sent-urg-only-packets>
  sent-urg-only-packets
</sent-urg-only-packets>
<sent-window-probe-packets>
  sent-window-probe-packets
</sent-window-probe-packets>
<sent-window-update-packets>
  sent-window-update-packets
</sent-window-update-packets>
<sent-control-packets>
  sent-control-packets
</sent-control-packets>
<packets-received>
  packets-received
</packets-received>
<received-acks>
  received-acks
</received-acks>
<acks-bytes>
  acks-bytes
</acks-bytes>
<received-duplicate-acks>
  received-duplicate-acks
</received-duplicate-acks>
<received-acks-for-unsent-data>
  received-acks-for-unsent-data
</received-acks-for-unsent-data>
<packets-received-in-sequence>
  packets-received-in-sequence
</packets-received-in-sequence>
<in-sequence-bytes>
  in-sequence-bytes
</in-sequence-bytes>
<received-completely-duplicate-packet>
  received-completely-duplicate-packet
</received-completely-duplicate-packet>
<duplicate-in-bytes>
  duplicate-in-bytes
</duplicate-in-bytes>
<received-old-duplicate-packets>
  received-old-duplicate-packets
</received-old-duplicate-packets>
<received-packets-with-some-duplicate-data>
  received-packets-with-some-duplicate-data
</received-packets-with-some-duplicate-data>
<some-duplicate-in-bytes>
  some-duplicate-in-bytes
</some-duplicate-in-bytes>
<received-out-of-order-packets>
  received-out-of-order-packets
```

```
</received-out-of-order-packets>
<out-of-order-in-bytes>
  out-of-order-in-bytes
</out-of-order-in-bytes>
<received-packets-of-data-after-window>
  received-packets-of-data-after-window
</received-packets-of-data-after-window>
<bytes>
  bytes
</bytes>
<received-window-probes>
  received-window-probes
</received-window-probes>
<received-window-update-packets>
  received-window-update-packets
</received-window-update-packets>
<packets-received-after-close>
  packets-received-after-close
</packets-received-after-close>
<received-discarded-for-bad-checksum>
  received-discarded-for-bad-checksum
</received-discarded-for-bad-checksum>
<received-discarded-for-bad-header-offset>
  received-discarded-for-bad-header-offset
</received-discarded-for-bad-header-offset>
<received-discarded-because-packet-too-short>
  received-discarded-because-packet-too-short
</received-discarded-because-packet-too-short>
<connection-requests>
  connection-requests
</connection-requests>
<connection-accepts>
  connection-accepts
</connection-accepts>
<bad-connection-attempts>
  bad-connection-attempts
</bad-connection-attempts>
<listen-queue-overflows>
  listen-queue-overflows
</listen-queue-overflows>
<connections-established>
  connections-established
</connections-established>
<connections-closed>
  connections-closed
</connections-closed>
<drops>
  drops
</drops>
<connections-updated-rtt-on-close>
  connections-updated-rtt-on-close
</connections-updated-rtt-on-close>
<connections-updated-variance-on-close>
  connections-updated-variance-on-close
</connections-updated-variance-on-close>
<connections-updated-ssthresh-on-close>
```

```
connections-updated-ssthresh-on-close
</connections-updated-ssthresh-on-close>
<embryonic-connections-dropped>
  embryonic-connections-dropped
</embryonic-connections-dropped>
<segments-updated-rtt>
  segments-updated-rtt
</segments-updated-rtt>
<attempts>
  attempts
</attempts>
<retransmit-timeouts>
  retransmit-timeouts
</retransmit-timeouts>
<connections-dropped-by-retransmit-timeout>
  connections-dropped-by-retransmit-timeout
</connections-dropped-by-retransmit-timeout>
<persist-timeouts>
  persist-timeouts
</persist-timeouts>
<connections-dropped-by-persist-timeout>
  connections-dropped-by-persist-timeout
</connections-dropped-by-persist-timeout>
<keepalive-timeouts>
  keepalive-timeouts
</keepalive-timeouts>
<keepalive-probes-sent>
  keepalive-probes-sent
</keepalive-probes-sent>
<keepalive-connections-dropped>
  keepalive-connections-dropped
</keepalive-connections-dropped>
<ack-header-predictions>
  ack-header-predictions
</ack-header-predictions>
<data-packet-header-predictions>
  data-packet-header-predictions
</data-packet-header-predictions>
<syncache-entries-added>
  syncache-entries-added
</syncache-entries-added>
<retransmitted>
  retransmitted
</retransmitted>
<dupsyn>
  dupsyn
</dupsyn>
<dropped>
  dropped
</dropped>
<completed>
  completed
</completed>
<bucket-overflow>
  bucket-overflow
</bucket-overflow>
```

```
<cache-overflow>
  cache-overflow
</cache-overflow>
<reset>
  reset
</reset>
<stale>
  stale
</stale>
<aborted>
  aborted
</aborted>
<badack>
  badack
</badack>
<unreach>
  unreach
</unreach>
<zone-failures>
  zone-failures
</zone-failures>
<cookies-sent>
  cookies-sent
</cookies-sent>
<cookies-received>
  cookies-received
</cookies-received>
<sack-recovery-episodes>
  sack-recovery-episodes
</sack-recovery-episodes>
<segment-retransmits>
  segment-retransmits
</segment-retransmits>
<byte-retransmits>
  byte-retransmits
</byte-retransmits>
<sack-options-received>
  sack-options-received
</sack-options-received>
<sack-options-sent>
  sack-options-sent
</sack-options-sent>
<sack-scoreboard-overflow>
  sack-scoreboard-overflow
</sack-scoreboard-overflow>
<acks-sent-in-response-but-not-exact-rsts>
  acks-sent-in-response-but-not-exact-rsts
</acks-sent-in-response-but-not-exact-rsts>
<acks-sent-in-response-to-syns-on-established-connections>
  acks-sent-in-response-to-syns-on-established-connections
</acks-sent-in-response-to-syns-on-established-connections>
<rcv-packets-dropped-due-to-bad-address>
  rcv-packets-dropped-due-to-bad-address
</rcv-packets-dropped-due-to-bad-address>
<out-of-sequence-segment-drops>
  out-of-sequence-segment-drops
```

```

</out-of-sequence-segment-drops>
<rst-packets>
  rst-packets
</rst-packets>
<icmp-packets-ignored>
  icmp-packets-ignored
</icmp-packets-ignored>
<send-packets-dropped>
  send-packets-dropped
</send-packets-dropped>
<rcv-packets-dropped>
  rcv-packets-dropped
</rcv-packets-dropped>
<outgoing-segments-dropped>
  outgoing-segments-dropped
</outgoing-segments-dropped>
</tcp>
</statistics>

```

## Description

<tnp>

## Usage

```

<statistics>
  <tnp>
    <unicast-packets-received>
      unicast-packets-received
    </unicast-packets-received>
    <broadcast-packets-received>
      broadcast-packets-received
    </broadcast-packets-received>
    <fragmented-packets-received>
      fragmented-packets-received
    </fragmented-packets-received>
    <received-hello-packets-dropped>
      received-hello-packets-dropped
    </received-hello-packets-dropped>
    <received-fragments-dropped>
      received-fragments-dropped
    </received-fragments-dropped>
    <fragment-reassembly-queue-flushes>
      fragment-reassembly-queue-flushes
    </fragment-reassembly-queue-flushes>
    <packets-with-tnp-src-address-collision-received>
      packets-with-tnp-src-address-collision-received
    </packets-with-tnp-src-address-collision-received>
    <hello-packets-received>
      hello-packets-received
    </hello-packets-received>
    <control-packets-received>
      control-packets-received
    </control-packets-received>
    <rdp-packets-received>
      rdp-packets-received

```

```
</rdp-packets-received>
<udp-packets-received>
  udp-packets-received
</udp-packets-received>
<tunnel-packets-received>
  tunnel-packets-received
</tunnel-packets-received>
<input-packets-discarded-with-no-protocol>
  input-packets-discarded-with-no-protocol
</input-packets-discarded-with-no-protocol>
<packets-of-version-unspecified-received>
  packets-of-version-unspecified-received
</packets-of-version-unspecified-received>
<packets-of-version1-received>
  packets-of-version1-received
</packets-of-version1-received>
<packets-of-version2-received>
  packets-of-version2-received
</packets-of-version2-received>
<packets-of-version3-received>
  packets-of-version3-received
</packets-of-version3-received>
<unicast-packets-sent>
  unicast-packets-sent
</unicast-packets-sent>
<broadcast-packets-sent>
  broadcast-packets-sent
</broadcast-packets-sent>
<fragmented-packets-sent>
  fragmented-packets-sent
</fragmented-packets-sent>
<sent-hello-packets-dropped>
  sent-hello-packets-dropped
</sent-hello-packets-dropped>
<sent-fragments-dropped>
  sent-fragments-dropped
</sent-fragments-dropped>
<hello-packets-sent>
  hello-packets-sent
</hello-packets-sent>
<control-packets-sent>
  control-packets-sent
</control-packets-sent>
<rdp-packets-sent>
  rdp-packets-sent
</rdp-packets-sent>
<udp-packets-sent>
  udp-packets-sent
</udp-packets-sent>
<tunnel-packets-sent>
  tunnel-packets-sent
</tunnel-packets-sent>
<packets-sent-with-unknown-protocol>
  packets-sent-with-unknown-protocol
</packets-sent-with-unknown-protocol>
<packets-of-version-unspecified-sent>
```



```

        packets-of-version-unspecified-sent
      </packets-of-version-unspecified-sent>
    <packets-of-version1-sent>
      packets-of-version1-sent
    </packets-of-version1-sent>
    <packets-of-version2-sent>
      packets-of-version2-sent
    </packets-of-version2-sent>
    <packets-of-version3-sent>
      packets-of-version3-sent
    </packets-of-version3-sent>
  </tnp>
</statistics>

```

## Description

<ttp>

## Usage

```

<statistics>
  <ttp>
    <ttp-packets-sent>
      ttp-packets-sent
    </ttp-packets-sent>
    <packets-sent-while-unconnected>
      packets-sent-while-unconnected
    </packets-sent-while-unconnected>
    <packets-sent-while-interface-down>
      packets-sent-while-interface-down
    </packets-sent-while-interface-down>
    <packets-sent-could-not-get-buffer>
      packets-sent-could-not-get-buffer
    </packets-sent-could-not-get-buffer>
    <packets-sent-could-not-find-neighbor>
      packets-sent-could-not-find-neighbor
    </packets-sent-could-not-find-neighbor>
    <l2-packets-received>
      l2-packets-received
    </l2-packets-received>
    <unknown-l3-packets-received>
      unknown-l3-packets-received
    </unknown-l3-packets-received>
    <ipv4-l3-packets-received>
      ipv4-l3-packets-received
    </ipv4-l3-packets-received>
    <mpls-l3-packets-received>
      mpls-l3-packets-received
    </mpls-l3-packets-received>
    <mpls-to-ipv4-l3-packets-received>
      mpls-to-ipv4-l3-packets-received
    </mpls-to-ipv4-l3-packets-received>
    <ipv4-to-mpls-l3-packets-received>
      ipv4-to-mpls-l3-packets-received
    </ipv4-to-mpls-l3-packets-received>
    <ipv6-l3-packets-received>

```

```

    ipv6-l3-packets-received
  </ipv6-l3-packets-received>
  <arp-l3-packets-received>
    arp-l3-packets-received
  </arp-l3-packets-received>
  <clnp-l3-packets-received>
    clnp-l3-packets-received
  </clnp-l3-packets-received>
  <tnp-l3-packets-received>
    tnp-l3-packets-received
  </tnp-l3-packets-received>
  <null-l3-packets-received>
    null-l3-packets-received
  </null-l3-packets-received>
  <cyclotron-cycle-l3-packets-received>
    cyclotron-cycle-l3-packets-received
  </cyclotron-cycle-l3-packets-received>
  <cyclotron-send-l3-packets-received>
    cyclotron-send-l3-packets-received
  </cyclotron-send-l3-packets-received>
  <packets-received-while-unconnected>
    packets-received-while-unconnected
  </packets-received-while-unconnected>
  <packets-received-from-unknown-ifl>
    packets-received-from-unknown-ifl
  </packets-received-from-unknown-ifl>
  <input-packets-could-not-get-buffer>
    input-packets-could-not-get-buffer
  </input-packets-could-not-get-buffer>
  <input-packets-with-bad-type>
    input-packets-with-bad-type
  </input-packets-with-bad-type>
  <input-packets-with-discard-type>
    input-packets-with-discard-type
  </input-packets-with-discard-type>
  <input-packets-for-which-route-lookup-is-bypassed>
    input-packets-for-which-route-lookup-is-bypassed
  </input-packets-for-which-route-lookup-is-bypassed>
</ttp>
</statistics>

```

## Description

<tudp>

## Usage

```

<statistics>
  <tudp>
    <datagrams-received>
      datagrams-received
    </datagrams-received>
    <datagrams-with-incomplete-header>
      datagrams-with-incomplete-header
    </datagrams-with-incomplete-header>
    <datagrams-with-bad-data-length-field>

```

```

    datagrams-with-bad-data-length-field
  </datagrams-with-bad-data-length-field>
  <datagrams-with-bad-checksum>
    datagrams-with-bad-checksum
  </datagrams-with-bad-checksum>
  <datagrams-dropped-due-to-no-socket>
    datagrams-dropped-due-to-no-socket
  </datagrams-dropped-due-to-no-socket>
  <broadcast-or-multicast-datagrams-dropped-due-to-no-socket>
    broadcast-or-multicast-datagrams-dropped-due-to-no-socket
  </broadcast-or-multicast-datagrams-dropped-due-to-no-socket>
  <datagrams-dropped-due-to-full-socket-buffers>
    datagrams-dropped-due-to-full-socket-buffers
  </datagrams-dropped-due-to-full-socket-buffers>
  <delivered>
    delivered
  </delivered>
  <datagrams-output>
    datagrams-output
  </datagrams-output>
</tudp>
</statistics>

```

## Description

<udp>

## Usage

```

<statistics>
  <udp>
    <datagrams-received>
      datagrams-received
    </datagrams-received>
    <datagrams-with-incomplete-header>
      datagrams-with-incomplete-header
    </datagrams-with-incomplete-header>
    <datagrams-with-bad-datalength-field>
      datagrams-with-bad-datalength-field
    </datagrams-with-bad-datalength-field>
    <datagrams-with-bad-checksum>
      datagrams-with-bad-checksum
    </datagrams-with-bad-checksum>
    <datagrams-dropped-due-to-no-socket>
      datagrams-dropped-due-to-no-socket
    </datagrams-dropped-due-to-no-socket>
    <broadcast-or-multicast-datagrams-dropped-due-to-no-socket>
      broadcast-or-multicast-datagrams-dropped-due-to-no-socket
    </broadcast-or-multicast-datagrams-dropped-due-to-no-socket>
    <datagrams-dropped-due-to-full-socket-buffers>
      datagrams-dropped-due-to-full-socket-buffers
    </datagrams-dropped-due-to-full-socket-buffers>
    <datagrams-not-for-hashed-pcb>
      datagrams-not-for-hashed-pcb
    </datagrams-not-for-hashed-pcb>
    <datagrams-delivered>

```

```
    datagrams-delivered
  </datagrams-delivered>
  <datagrams-output>
    datagrams-output
  </datagrams-output>
</udp>
</statistics>
```

## Description

<vpls>

## Usage

```
<statistics>
  <vpls>
    <total-packets-received>
      total-packets-received
    </total-packets-received>
    <vpls-packets-with-size-smaller-than-minimum>
      vpls-packets-with-size-smaller-than-minimum
    </vpls-packets-with-size-smaller-than-minimum>
    <vpls-packets-with-incorrect-version-number>
      vpls-packets-with-incorrect-version-number
    </vpls-packets-with-incorrect-version-number>
    <vpls-packets-for-this-host>
      vpls-packets-for-this-host
    </vpls-packets-for-this-host>
    <packets-with-no-logical-interface>
      packets-with-no-logical-interface
    </packets-with-no-logical-interface>
    <packets-with-no-family>
      packets-with-no-family
    </packets-with-no-family>
    <packets-with-no-route-table>
      packets-with-no-route-table
    </packets-with-no-route-table>
    <packets-with-no-auxiliary-table>
      packets-with-no-auxiliary-table
    </packets-with-no-auxiliary-table>
    <packets-with-no-corefacing-entry>
      packets-with-no-corefacing-entry
    </packets-with-no-corefacing-entry>
    <packets-with-no-ce-facing-entry>
      packets-with-no-ce-facing-entry
    </packets-with-no-ce-facing-entry>
    <mac-route-learning-requests>
      mac-route-learning-requests
    </mac-route-learning-requests>
    <mac-routes-learned>
      mac-routes-learned
    </mac-routes-learned>
    <requests-to-learn-an-existing-route>
      requests-to-learn-an-existing-route
    </requests-to-learn-an-existing-route>
    <learning-requests-while-learning-disabled-on-interface>
```

```
    learning-requests-while-learning-disabled-on-interface
  </learning-requests-while-learning-disabled-on-interface>
  <learning-requests-over-capacity>
    learning-requests-over-capacity
  </learning-requests-over-capacity>
  <mac-routes-moved>
    mac-routes-moved
  </mac-routes-moved>
  <requests-to-move-static-route>
    requests-to-move-static-route
  </requests-to-move-static-route>
  <mac-route-aging-requests>
    mac-route-aging-requests
  </mac-route-aging-requests>
  <mac-routes-aged>
    mac-routes-aged
  </mac-routes-aged>
  <bogus-address-in-aging-requests>
    bogus-address-in-aging-requests
  </bogus-address-in-aging-requests>
  <requests-to-age-static-route>
    requests-to-age-static-route
  </requests-to-age-static-route>
  <requests-to-re-ageout-aged-route>
    requests-to-re-ageout-aged-route
  </requests-to-re-ageout-aged-route>
  <requests-involving-multiple-peer-fes>
    requests-involving-multiple-peer-fes
  </requests-involving-multiple-peer-fes>
  <aging-acks-from-pfe>
    aging-acks-from-pfe
  </aging-acks-from-pfe>
  <aging-non-acks-from-pfe>
    aging-non-acks-from-pfe
  </aging-non-acks-from-pfe>
  <aging-requests-timed-out-waiting-on-fes>
    aging-requests-timed-out-waiting-on-fes
  </aging-requests-timed-out-waiting-on-fes>
  <aging-requests-over-max-rate>
    aging-requests-over-max-rate
  </aging-requests-over-max-rate>
  <errors-finding-peer-fes>
    errors-finding-peer-fes
  </errors-finding-peer-fes>
  <unsupported-platform>
    unsupported-platform
  </unsupported-platform>
  <packets-dropped-due-to-no-l3-route-table>
    packets-dropped-due-to-no-l3-route-table
  </packets-dropped-due-to-no-l3-route-table>
  <packets-dropped-due-to-no-local-ifl>
    packets-dropped-due-to-no-local-ifl
  </packets-dropped-due-to-no-local-ifl>
  <packets-punted>
    packets-punted
  </packets-punted>
```

```
<packets-dropped-due-to-no-socket>
  packets-dropped-due-to-no-socket
</packets-dropped-due-to-no-socket>
</vpls>
</statistics>
```

#### Description

---

## Summary of Subscriber Management Response Tags

---

### <subscriber-management-summary-information>

#### Usage

```
<subscriber-management-summary-information>
  <subscriber-management-gres>
    subscriber-management-gres
  </subscriber-management-gres>
  <subscriber-management-mastership>
    subscriber-management-mastership
  </subscriber-management-mastership>
  <subscriber-management-db>
    subscriber-management-db
  </subscriber-management-db>
  <subscriber-management-chassisd-issu-state>
    subscriber-management-chassisd-issu-state
  </subscriber-management-chassisd-issu-state>
  <subscriber-management-issu-state>
    subscriber-management-issu-state
  </subscriber-management-issu-state>
  <subscriber-management-issu-wait>
    subscriber-management-issu-wait
  </subscriber-management-issu-wait>
  <no-information>
    no-information
  </no-information>
</subscriber-management-summary-information>
```

**Description**    General state information about the Subscriber management status

---

## Summary of Subscribers Response Tags

---

### <counters>

#### Usage

```
<subscribers-summary-information>
  <counters>
    <session-total>
      session-total
    </session-total>
    <session-state-init>
      session-state-init
    </session-state-init>
```

```
<session-state-configured>
  session-state-configured
</session-state-configured>
<session-state-active>
  session-state-active
</session-state-active>
<session-state-terminating>
  session-state-terminating
</session-state-terminating>
<session-state-terminated>
  session-state-terminated
</session-state-terminated>
<session-state-unknown>
  session-state-unknown
</session-state-unknown>
<session-state-total>
  session-state-total
</session-state-total>
<session-type-none>
  session-type-none
</session-type-none>
<session-type-dhcp>
  session-type-dhcp
</session-type-dhcp>
<session-type-vlan>
  session-type-vlan
</session-type-vlan>
<session-type-generic>
  session-type-generic
</session-type-generic>
<session-type-mobileip>
  session-type-mobileip
</session-type-mobileip>
<session-type-vpls-pw>
  session-type-vpls-pw
</session-type-vpls-pw>
<session-type-ppp>
  session-type-ppp
</session-type-ppp>
<session-type-pppoe>
  session-type-pppoe
</session-type-pppoe>
<session-type-l2tp>
  session-type-l2tp
</session-type-l2tp>
<session-type-static>
  session-type-static
</session-type-static>
<session-type-mlppp>
  session-type-mlppp
</session-type-mlppp>
<session-type-xauth>
  session-type-xauth
</session-type-xauth>
<session-type-fwauth>
  session-type-fwauth
```

```
</session-type-fwauth>
<session-type-dot1x>
  session-type-dot1x
</session-type-dot1x>
<session-type-unknown>
  session-type-unknown
</session-type-unknown>
<session-type-total>
  session-type-total
</session-type-total>
<ifl-type-none>
  ifl-type-none
</ifl-type-none>
<ifl-type-static>
  ifl-type-static
</ifl-type-static>
<ifl-type-dynamic>
  ifl-type-dynamic
</ifl-type-dynamic>
<ifl-type-unknown>
  ifl-type-unknown
</ifl-type-unknown>
<config-bit-interface>
  config-bit-interface
</config-bit-interface>
<config-bit-inet>
  config-bit-inet
</config-bit-inet>
<config-bit-inet-filter>
  config-bit-inet-filter
</config-bit-inet-filter>
<config-bit-inet-service>
  config-bit-inet-service
</config-bit-inet-service>
<config-bit-routing-instance>
  config-bit-routing-instance
</config-bit-routing-instance>
<config-bit-routing-options>
  config-bit-routing-options
</config-bit-routing-options>
<config-bit-igmp>
  config-bit-igmp
</config-bit-igmp>
<config-bit-cos>
  config-bit-cos
</config-bit-cos>
<config-bit-inet6>
  config-bit-inet6
</config-bit-inet6>
<config-bit-inet6-filter>
  config-bit-inet6-filter
</config-bit-inet6-filter>
<config-bit-inet6-service>
  config-bit-inet6-service
</config-bit-inet6-service>
<config-bit-mld>
```



```

    config-bit-mld
  </config-bit-mld>
  <config-bit-li>
    config-bit-li
  </config-bit-li>
  <config-bit-ra>
    config-bit-ra
  </config-bit-ra>
  <config-bit-ifl-filter>
    config-bit-ifl-filter
  </config-bit-ifl-filter>
  <config-bit-access-internal>
    config-bit-access-internal
  </config-bit-access-internal>
  <config-bit-iflset>
    config-bit-iflset
  </config-bit-iflset>
  <config-bit-vpls>
    config-bit-vpls
  </config-bit-vpls>
  <config-bit-unknown>
    config-bit-unknown
  </config-bit-unknown>
  <lsri-name>
    lsri-name
  </lsri-name>
  <lsri-count>
    lsri-count
  </lsri-count>
  <lsri-total>
    lsri-total
  </lsri-total>
</counters>
</subscribers-summary-information>

```

**Description** Session Summary

<error>

**Usage**

```

<subscribers-information>
  <error>
    <input-error-message>
      input-error-message
    </input-error-message>
  </error>
</subscribers-information>

```

**Description**

## <subscriber>

### Usage

```
<subscribers-information>
  <subscriber>
    <access-type>
      access-type
    </access-type>
    <user-name>
      user-name
    </user-name>
    <ip-address>
      ip-address
    </ip-address>
    <ip-netmask>
      ip-netmask
    </ip-netmask>
    <ipv6-address>
      ipv6-address
    </ipv6-address>
    <ipv6-network-prefix-length>
      ipv6-network-prefix-length
    </ipv6-network-prefix-length>
    <ipv6-prefix>
      ipv6-prefix
    </ipv6-prefix>
    <logical-system>
      logical-system
    </logical-system>
    <routing-instance>
      routing-instance
    </routing-instance>
    <interface>
      interface
    </interface>
    <interface-type>
      interface-type
    </interface-type>
    <stacked-vlan-id>
      stacked-vlan-id
    </stacked-vlan-id>
    <vlan-id>
      vlan-id
    </vlan-id>
    <profile>
      profile
    </profile>
    <mac-address>
      mac-address
    </mac-address>
    <login-time>
      login-time
    </login-time>
    <state>
      state
  </subscriber>
</subscribers-information>
```

```
</state>
<interface-set-name>
  interface-set-name
</interface-set-name>
<interface-set-type>
  interface-set-type
</interface-set-type>
<local-ip-address>
  local-ip-address
</local-ip-address>
<remote-ip-address>
  remote-ip-address
</remote-ip-address>
<ppp-state>
  ppp-state
</ppp-state>
<gw-address>
  gw-address
</gw-address>
<radius-accounting-id>
  radius-accounting-id
</radius-accounting-id>
<session-id>
  session-id
</session-id>
<underlying-session-id>
  underlying-session-id
</underlying-session-id>
<session-timeout>
  session-timeout
</session-timeout>
<idle-timeout>
  idle-timeout
</idle-timeout>
<agent-circuit-id>
  agent-circuit-id
</agent-circuit-id>
<agent-remote-id>
  agent-remote-id
</agent-remote-id>
<ipv4-input-filter-name>
  ipv4-input-filter-name
</ipv4-input-filter-name>
<ipv4-output-filter-name>
  ipv4-output-filter-name
</ipv4-output-filter-name>
<ipv6-input-filter-name>
  ipv6-input-filter-name
</ipv6-input-filter-name>
<ipv6-output-filter-name>
  ipv6-output-filter-name
</ipv6-output-filter-name>
<ifl-input-filter-name>
  ifl-input-filter-name
</ifl-input-filter-name>
<ifl-output-filter-name>
```

```
    ifl-output-filter-name
  </ifl-output-filter-name>
  <advf4-input-filter-name>
    advf4-input-filter-name
  </advf4-input-filter-name>
  <advf4-input-rule>
    advf4-input-rule
  </advf4-input-rule>
  <advf4-input-rule-decoded>
    advf4-input-rule-decoded
  </advf4-input-rule-decoded>
  <advf4-output-filter-name>
    advf4-output-filter-name
  </advf4-output-filter-name>
  <advf4-output-rule>
    advf4-output-rule
  </advf4-output-rule>
  <advf4-output-rule-decoded>
    advf4-output-rule-decoded
  </advf4-output-rule-decoded>
  <advf6-input-filter-name>
    advf6-input-filter-name
  </advf6-input-filter-name>
  <advf6-input-rule>
    advf6-input-rule
  </advf6-input-rule>
  <advf6-input-rule-decoded>
    advf6-input-rule-decoded
  </advf6-input-rule-decoded>
  <advf6-output-filter-name>
    advf6-output-filter-name
  </advf6-output-filter-name>
  <advf6-output-rule>
    advf6-output-rule
  </advf6-output-rule>
  <advf6-output-rule-decoded>
    advf6-output-rule-decoded
  </advf6-output-rule-decoded>
  <vpls-input-filter-name>
    vpls-input-filter-name
  </vpls-input-filter-name>
  <vpls-output-filter-name>
    vpls-output-filter-name
  </vpls-output-filter-name>
  <l2pol-input-filter-name>
    l2pol-input-filter-name
  </l2pol-input-filter-name>
  <l2pol-output-filter-name>
    l2pol-output-filter-name
  </l2pol-output-filter-name>
  <subscriber-id>
    subscriber-id
  </subscriber-id>
  <service-session-ids>
    service-session-ids
  </service-session-ids>
```

```

<service-session-id>
  service-session-id
</service-session-id>
<service-session-name>
  service-session-name
</service-session-name>
<number-of-service-sessions>
  number-of-service-sessions
</number-of-service-sessions>
<number-of-subscribers>
  number-of-subscribers
</number-of-subscribers>
<number-of-active-subscribers>
  number-of-active-subscribers
</number-of-active-subscribers>
<private-data>
  private-data
</private-data>
<hex-data>
  hex-data
</hex-data>
<dhcp-options>
  dhcp-options
</dhcp-options>
<server-dhcp-options>
  server-dhcp-options
</server-dhcp-options>
<no-attributes>
  no-attributes
</no-attributes>
</subscriber>
</subscribers-information>

```

**Description** Active subscriber

### <subscribers-information>

#### Usage

```

<subscribers-information>
  <subscriber>....</subscriber>
  <error>....</error>
</subscribers-information>

```

**Description** Subscribers

### <subscribers-summary-information>

#### Usage

```

<subscribers-summary-information>
  <counters>....</counters>
</subscribers-summary-information>

```

Description   Summary

---

## Summary of Graceful Switchover Response Tags

---

### <configuration-state>

#### Usage

```
<configuration-state>
  <configuration-ready>
    configuration-ready
  </configuration-ready>
  <configuration-synchronizing>
    configuration-synchronizing
  </configuration-synchronizing>
  <configuration-synchronize-error>
    configuration-synchronize-error
  </configuration-synchronize-error>
</configuration-state>
```

#### Description

### <configuration-state>

#### Usage

```
<switchover-information>
  <configuration-state>
    <configuration-ready>
      configuration-ready
    </configuration-ready>
    <configuration-synchronizing>
      configuration-synchronizing
    </configuration-synchronizing>
    <configuration-synchronize-error>
      configuration-synchronize-error
    </configuration-synchronize-error>
  </configuration-state>
</switchover-information>
```

#### Description

### <configuration-state>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <switchover-information>
      <configuration-state>
        <configuration-ready>
          configuration-ready
        </configuration-ready>
        <configuration-synchronizing>
          configuration-synchronizing
        </configuration-synchronizing>
```

```

    <configuration-synchronize-error>
      configuration-synchronize-error
    </configuration-synchronize-error>
  </configuration-state>
</switchover-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

### <multi-routing-engine-item>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <re-name>
      re-name
    </re-name>
    <switchover-information>....</switchover-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

### <multi-routing-engine-results>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>....</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

### <peer-transition-state>

#### Usage

```

<peer-transition-state>
  <peer-connected>
    peer-connected
  </peer-connected>
  <peer-in-steady-state>
    peer-in-steady-state
  </peer-in-steady-state>
</peer-transition-state>

```

#### Description

### <peer-transition-state>

#### Usage

```

<switchover-information>
  <peer-transition-state>

```

```
<peer-connected>
  peer-connected
</peer-connected>
<peer-in-steady-state>
  peer-in-steady-state
</peer-in-steady-state>
</peer-transition-state>
</switchover-information>
```

#### Description

### <peer-transition-state>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <switchover-information>
      <peer-transition-state>
        <peer-connected>
          peer-connected
        </peer-connected>
        <peer-in-steady-state>
          peer-in-steady-state
        </peer-in-steady-state>
      </peer-transition-state>
    </switchover-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <replication-state>

#### Usage

```
<replication-state>
  <replication-ready>
    replication-ready
  </replication-ready>
  <replication-synchronizing>
    replication-synchronizing
  </replication-synchronizing>
  <replication-error>
    replication-error
  </replication-error>
  <replication-version-mismatch>
    replication-version-mismatch
  </replication-version-mismatch>
  <replication-connection-error>
    replication-connection-error
  </replication-connection-error>
  <replication-reconnect-error>
    replication-reconnect-error
  </replication-reconnect-error>
  <replication-init-error>
```



```

    replication-init-error
  </replication-init-error>
  <replication-relay-enable>
    replication-relay-enable
  </replication-relay-enable>
</replication-state>

```

#### Description

<replication-state>

#### Usage

```

<switchover-information>
  <replication-state>
    <replication-ready>
      replication-ready
    </replication-ready>
    <replication-synchronizing>
      replication-synchronizing
    </replication-synchronizing>
    <replication-error>
      replication-error
    </replication-error>
    <replication-version-mismatch>
      replication-version-mismatch
    </replication-version-mismatch>
    <replication-connection-error>
      replication-connection-error
    </replication-connection-error>
    <replication-reconnect-error>
      replication-reconnect-error
    </replication-reconnect-error>
    <replication-init-error>
      replication-init-error
    </replication-init-error>
    <replication-relay-enable>
      replication-relay-enable
    </replication-relay-enable>
  </replication-state>
</switchover-information>

```

#### Description

<replication-state>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <switchover-information>
      <replication-state>
        <replication-ready>
          replication-ready
        </replication-ready>
        <replication-synchronizing>

```

```
    replication-synchronizing
  </replication-synchronizing>
  <replication-error>
    replication-error
  </replication-error>
  <replication-version-mismatch>
    replication-version-mismatch
  </replication-version-mismatch>
  <replication-connection-error>
    replication-connection-error
  </replication-connection-error>
  <replication-reconnect-error>
    replication-reconnect-error
  </replication-reconnect-error>
  <replication-init-error>
    replication-init-error
  </replication-init-error>
  <replication-relay-enable>
    replication-relay-enable
  </replication-relay-enable>
</replication-state>
</switchover-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

**<switchover-information>**

#### Usage

```
<switchover-information>
  <switchover-state>
    switchover-state
  </switchover-state>
  <switchover-mode>....</switchover-mode>
  <configuration-state>....</configuration-state>
  <replication-state>....</replication-state>
  <peer-transition-state>....</peer-transition-state>
</switchover-information>
```

#### Description

**<switchover-information>**

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <switchover-information>
      <switchover-state>
        switchover-state
      </switchover-state>
      <switchover-mode>....</switchover-mode>
      <configuration-state>....</configuration-state>
      <replication-state>....</replication-state>
```

```

    <peer-transition-state>....</peer-transition-state>
  </switchover-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

**<switchover-mode>**

#### Usage

```

<switchover-mode>
  <multichassis-mode>
    multichassis-mode
  </multichassis-mode>
  <gres-mode>
    gres-mode
  </gres-mode>
  <unknown-mode>
    unknown-mode
  </unknown-mode>
</switchover-mode>

```

#### Description

**<switchover-mode>**

#### Usage

```

<switchover-information>
  <switchover-mode>
    <multichassis-mode>
      multichassis-mode
    </multichassis-mode>
    <gres-mode>
      gres-mode
    </gres-mode>
    <unknown-mode>
      unknown-mode
    </unknown-mode>
  </switchover-mode>
</switchover-information>

```

#### Description

**<switchover-mode>**

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <switchover-information>
      <switchover-mode>
        <multichassis-mode>
          multichassis-mode
        </multichassis-mode>

```

```
<gres-mode>
  gres-mode
</gres-mode>
<unknown-mode>
  unknown-mode
</unknown-mode>
</switchover-mode>
</switchover-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### Summary of CNLP Traceroute Response Tags ---

#### <clnp-err-code>

##### Usage

```
<clnp-err-code>
  <clnp-code-none>
    clnp-code-none
  </clnp-code-none>
</clnp-err-code>
```

**Description** Code of CLNP Error PDU message sub type

#### <clnp-err-code>

##### Usage

```
<probe-result>
  <clnp-err-code>
    <clnp-code-none>
      clnp-code-none
    </clnp-code-none>
  </clnp-err-code>
</probe-result>
```

**Description** Code of CLNP Error PDU message sub type

#### <clnp-err-code>

##### Usage

```
<hop>
  <probe-result>
    <clnp-err-code>
      <clnp-code-none>
        clnp-code-none
      </clnp-code-none>
    </clnp-err-code>
  </probe-result>
```

</hop>

**Description** Code of CLNP Error PDU message sub type

### <clnp-err-code>

#### Usage

```
<traceroute-results>
  <hop>
    <probe-result>
      <clnp-err-code>
        <clnp-code-none>
          clnp-code-none
        </clnp-code-none>
      </clnp-err-code>
    </probe-result>
  </hop>
</traceroute-results>
```

**Description** Code of CLNP Error PDU message sub type

### <clnp-err-type>

#### Usage

```
<clnp-err-type>
  <clnp-type-none>
    clnp-type-none
  </clnp-type-none>
  <clnp-echoreply>
    clnp-echoreply
  </clnp-echoreply>
  <clnp-echo>
    clnp-echo
  </clnp-echo>
  <clnp-gen-noreas>
    clnp-gen-noreas
  </clnp-gen-noreas>
  <clnp-gen-protoerr>
    clnp-gen-protoerr
  </clnp-gen-protoerr>
  <clnp-gen-badcsun>
    clnp-gen-badcsun
  </clnp-gen-badcsun>
  <clnp-gen-hdrsyntax>
    clnp-gen-hdrsyntax
  </clnp-gen-hdrsyntax>
  <clnp-gen-segneeded>
    clnp-gen-segneeded
  </clnp-gen-segneeded>
  <clnp-gen-incomplete>
    clnp-gen-incomplete
  </clnp-gen-incomplete>
```

```
<clnp-addr-destunreach>
  clnp-addr-destunreach
</clnp-addr-destunreach>
<clnp-addr-destunknown>
  clnp-addr-destunknown
</clnp-addr-destunknown>
<clnp-timxceed-intrans>
  clnp-timxceed-intrans
</clnp-timxceed-intrans>
<clnp-timxceed-reass>
  clnp-timxceed-reass
</clnp-timxceed-reass>
</clnp-err-type>
```

**Description**    Type of CLNP Error PDU message

### <clnp-err-type>

#### Usage

```
<probe-result>
  <clnp-err-type>
    <clnp-type-none>
      clnp-type-none
    </clnp-type-none>
    <clnp-echoreply>
      clnp-echoreply
    </clnp-echoreply>
    <clnp-echo>
      clnp-echo
    </clnp-echo>
    <clnp-gen-noreas>
      clnp-gen-noreas
    </clnp-gen-noreas>
    <clnp-gen-protoerr>
      clnp-gen-protoerr
    </clnp-gen-protoerr>
    <clnp-gen-badcsun>
      clnp-gen-badcsun
    </clnp-gen-badcsun>
    <clnp-gen-hdrsyntax>
      clnp-gen-hdrsyntax
    </clnp-gen-hdrsyntax>
    <clnp-gen-segneeded>
      clnp-gen-segneeded
    </clnp-gen-segneeded>
    <clnp-gen-incomplete>
      clnp-gen-incomplete
    </clnp-gen-incomplete>
    <clnp-addr-destunreach>
      clnp-addr-destunreach
    </clnp-addr-destunreach>
    <clnp-addr-destunknown>
      clnp-addr-destunknown
    </clnp-addr-destunknown>
```

```

<clnp-timxceed-intrans>
  clnp-timxceed-intrans
</clnp-timxceed-intrans>
<clnp-timxceed-reass>
  clnp-timxceed-reass
</clnp-timxceed-reass>
</clnp-err-type>
</probe-result>

```

**Description**    Type of CLNP Error PDU message

### <clnp-err-type>

#### Usage

```

<hop>
<probe-result>
  <clnp-err-type>
    <clnp-type-none>
      clnp-type-none
    </clnp-type-none>
    <clnp-echoreply>
      clnp-echoreply
    </clnp-echoreply>
    <clnp-echo>
      clnp-echo
    </clnp-echo>
    <clnp-gen-noreas>
      clnp-gen-noreas
    </clnp-gen-noreas>
    <clnp-gen-protoerr>
      clnp-gen-protoerr
    </clnp-gen-protoerr>
    <clnp-gen-badcsun>
      clnp-gen-badcsun
    </clnp-gen-badcsun>
    <clnp-gen-hdrsyntax>
      clnp-gen-hdrsyntax
    </clnp-gen-hdrsyntax>
    <clnp-gen-segneeded>
      clnp-gen-segneeded
    </clnp-gen-segneeded>
    <clnp-gen-incomplete>
      clnp-gen-incomplete
    </clnp-gen-incomplete>
    <clnp-addr-destunreach>
      clnp-addr-destunreach
    </clnp-addr-destunreach>
    <clnp-addr-destunknown>
      clnp-addr-destunknown
    </clnp-addr-destunknown>
    <clnp-timxceed-intrans>
      clnp-timxceed-intrans
    </clnp-timxceed-intrans>
    <clnp-timxceed-reass>

```

```
        clnp-timxceed-reass
      </clnp-timxceed-reass>
    </clnp-err-type>
  </probe-result>
</hop>
```

**Description**    Type of CLNP Error PDU message

### <clnp-err-type>

#### Usage

```
<traceroute-results>
  <hop>
    <probe-result>
      <clnp-err-type>
        <clnp-type-none>
          clnp-type-none
        </clnp-type-none>
        <clnp-echoreply>
          clnp-echoreply
        </clnp-echoreply>
        <clnp-echo>
          clnp-echo
        </clnp-echo>
        <clnp-gen-noreas>
          clnp-gen-noreas
        </clnp-gen-noreas>
        <clnp-gen-ptoerr>
          clnp-gen-ptoerr
        </clnp-gen-ptoerr>
        <clnp-gen-badcsum>
          clnp-gen-badcsum
        </clnp-gen-badcsum>
        <clnp-gen-hdrsyntax>
          clnp-gen-hdrsyntax
        </clnp-gen-hdrsyntax>
        <clnp-gen-segneeded>
          clnp-gen-segneeded
        </clnp-gen-segneeded>
        <clnp-gen-incomplete>
          clnp-gen-incomplete
        </clnp-gen-incomplete>
        <clnp-addr-destunreach>
          clnp-addr-destunreach
        </clnp-addr-destunreach>
        <clnp-addr-destunknown>
          clnp-addr-destunknown
        </clnp-addr-destunknown>
        <clnp-timxceed-intrans>
          clnp-timxceed-intrans
        </clnp-timxceed-intrans>
        <clnp-timxceed-reass>
          clnp-timxceed-reass
        </clnp-timxceed-reass>
```



```

        </clnp-err-type>
      </probe-result>
    </hop>
  </traceroute-results>

```

**Description** Type of CLNP Error PDU message

## <hop>

### Usage

```

<hop>
  <ttn-value>
    ttn-value
  </ttn-value>
  <last-iso-address>
    last-iso-address
  </last-iso-address>
  <last-host-name>
    last-host-name
  </last-host-name>
  <percent-loss>
    percent-loss
  </percent-loss>
  <probe-result>....</probe-result>
</hop>

```

**Description** Traceroute results for a single hop (TTL value)

## <hop>

### Usage

```

<traceroute-results>
  <hop>
    <ttn-value>
      ttn-value
    </ttn-value>
    <last-iso-address>
      last-iso-address
    </last-iso-address>
    <last-host-name>
      last-host-name
    </last-host-name>
    <percent-loss>
      percent-loss
    </percent-loss>
    <probe-result>....</probe-result>
  </hop>
</traceroute-results>

```

**Description** Traceroute results for a single hop (TTL value)

## <probe-result>

### Usage

```
<probe-result>
  <date-determined>
    date-determined
  </date-determined>
  <probe-index>
    probe-index
  </probe-index>
  <probe-status>....</probe-status>
  <clnp-err-type>....</clnp-err-type>
  <clnp-err-code>....</clnp-err-code>
  <iso-address>
    iso-address
  </iso-address>
  <host-name>
    host-name
  </host-name>
  <rtt-us>
    rtt-us
  </rtt-us>
  <rtt-ms>
    rtt-ms
  </rtt-ms>
  <error-indicator>
    error-indicator
  </error-indicator>
</probe-result>
```

**Description**    Result of CLNP probe

## <probe-result>

### Usage

```
<hop>
  <probe-result>
    <date-determined>
      date-determined
    </date-determined>
    <probe-index>
      probe-index
    </probe-index>
    <probe-status>....</probe-status>
    <clnp-err-type>....</clnp-err-type>
    <clnp-err-code>....</clnp-err-code>
    <iso-address>
      iso-address
    </iso-address>
    <host-name>
      host-name
    </host-name>
    <rtt-us>
```

```

      rtt-us
    </rtt-us>
    <rtt-ms>
      rtt-ms
    </rtt-ms>
    <error-indicator>
      error-indicator
    </error-indicator>
  </probe-result>
</hop>

```

**Description** Result of CLNP probe

## <probe-result>

### Usage

```

<traceroute-results>
<hop>
  <probe-result>
    <date-determined>
      date-determined
    </date-determined>
    <probe-index>
      probe-index
    </probe-index>
    <probe-status>....</probe-status>
    <clnp-err-type>....</clnp-err-type>
    <clnp-err-code>....</clnp-err-code>
    <iso-address>
      iso-address
    </iso-address>
    <host-name>
      host-name
    </host-name>
    <rtt-us>
      rtt-us
    </rtt-us>
    <rtt-ms>
      rtt-ms
    </rtt-ms>
    <error-indicator>
      error-indicator
    </error-indicator>
  </probe-result>
</hop>
</traceroute-results>

```

**Description** Result of CLNP probe

## <probe-status>

### Usage

```
<probe-status>
  <no-reply>
    no-reply
  </no-reply>
  <probe-success>
    probe-success
  </probe-success>
  <probe-error>
    probe-error
  </probe-error>
  <probe-reached>
    probe-reached
  </probe-reached>
  <internal-err>
    internal-err
  </internal-err>
  <no-route-to-target>
    no-route-to-target
  </no-route-to-target>
  <interface-inactive-to-target>
    interface-inactive-to-target
  </interface-inactive-to-target>
  <invalid-host-address>
    invalid-host-address
  </invalid-host-address>
</probe-status>
```

**Description**    Status of CLNP probe

## <probe-status>

### Usage

```
<probe-result>
  <probe-status>
    <no-reply>
      no-reply
    </no-reply>
    <probe-success>
      probe-success
    </probe-success>
    <probe-error>
      probe-error
    </probe-error>
    <probe-reached>
      probe-reached
    </probe-reached>
    <internal-err>
      internal-err
    </internal-err>
    <no-route-to-target>
```

```

        no-route-to-target
      </no-route-to-target>
    <interface-inactive-to-target>
      interface-inactive-to-target
    </interface-inactive-to-target>
    <invalid-host-address>
      invalid-host-address
    </invalid-host-address>
  </probe-status>
</probe-result>

```

**Description** Status of CLNP probe

### <probe-status>

#### Usage

```

<hop>
  <probe-result>
    <probe-status>
      <no-reply>
        no-reply
      </no-reply>
      <probe-success>
        probe-success
      </probe-success>
      <probe-error>
        probe-error
      </probe-error>
      <probe-reached>
        probe-reached
      </probe-reached>
      <internal-err>
        internal-err
      </internal-err>
      <no-route-to-target>
        no-route-to-target
      </no-route-to-target>
      <interface-inactive-to-target>
        interface-inactive-to-target
      </interface-inactive-to-target>
      <invalid-host-address>
        invalid-host-address
      </invalid-host-address>
    </probe-status>
  </probe-result>
</hop>

```

**Description** Status of CLNP probe

## <probe-status>

### Usage

```
<traceroute-results>
  <hop>
    <probe-result>
      <probe-status>
        <no-reply>
          no-reply
        </no-reply>
        <probe-success>
          probe-success
        </probe-success>
        <probe-error>
          probe-error
        </probe-error>
        <probe-reached>
          probe-reached
        </probe-reached>
        <internal-err>
          internal-err
        </internal-err>
        <no-route-to-target>
          no-route-to-target
        </no-route-to-target>
        <interface-inactive-to-target>
          interface-inactive-to-target
        </interface-inactive-to-target>
        <invalid-host-address>
          invalid-host-address
        </invalid-host-address>
      </probe-status>
    </probe-result>
  </hop>
</traceroute-results>
```

**Description**    Status of CLNP probe

## <test-status>

### Usage

```
<test-status>
  <success>
    success
  </success>
  <failure>
    failure
  </failure>
  <internal-error>
    internal-error
  </internal-error>
  <target-unresolved>
    target-unresolved
```

```
</target-unresolved>
<target-invalid>
  target-invalid
</target-invalid>
<source-unresolved>
  source-unresolved
</source-unresolved>
<source-invalid>
  source-invalid
</source-invalid>
<routing-instance-invalid>
  routing-instance-invalid
</routing-instance-invalid>
<interface-invalid>
  interface-invalid
</interface-invalid>
</test-status>
```

**Description** Results of a single traceroute test

### <traceroute-results>

#### Usage

```
<traceroute-results>
  <target>
    target
  </target>
  <source>
    source
  </source>
  <target-iso>
    target-iso
  </target-iso>
  <max-hop-index>
    max-hop-index
  </max-hop-index>
  <packet-size>
    packet-size
  </packet-size>
  <hop>....</hop>
</traceroute-results>
```

**Description**

## Summary of Virtual Router Redundancy Protocol Response Tags ---

### <active-inherit>

#### Usage

```
<active-inherit>
  <vrrp-mode>
    vrrp-mode
  </vrrp-mode>
```

```
<active-node>
  active-node
</active-node>
<active-group>
  active-group
</active-group>
<accept-data-mode>
  accept-data-mode
</accept-data-mode>
<vip-count>
  vip-count
</vip-count>
<vip>
  vip
</vip>
<active-router-ip>
  active-router-ip
</active-router-ip>
<virtual-mac>
  virtual-mac
</virtual-mac>
</active-inherit>
```

**Description**    Display active-inherit related parameters

## <active-inherit>

### Usage

```
<vrrp-interface>
  <active-inherit>
    <vrrp-mode>
      vrrp-mode
    </vrrp-mode>
    <active-node>
      active-node
    </active-node>
    <active-group>
      active-group
    </active-group>
    <accept-data-mode>
      accept-data-mode
    </accept-data-mode>
    <vip-count>
      vip-count
    </vip-count>
    <vip>
      vip
    </vip>
    <active-router-ip>
      active-router-ip
    </active-router-ip>
    <virtual-mac>
      virtual-mac
    </virtual-mac>
```



```

    </active-inherit>
  </vrrp-interface>

```

**Description** Display active-inherit related parameters

## <active-inherit>

### Usage

```

<vrrp-information>
  <vrrp-interface>
    <active-inherit>
      <vrrp-mode>
        vrrp-mode
      </vrrp-mode>
      <active-node>
        active-node
      </active-node>
      <active-group>
        active-group
      </active-group>
      <accept-data-mode>
        accept-data-mode
      </accept-data-mode>
      <vip-count>
        vip-count
      </vip-count>
      <vip>
        vip
      </vip>
      <active-router-ip>
        active-router-ip
      </active-router-ip>
      <virtual-mac>
        virtual-mac
      </virtual-mac>
    </active-inherit>
  </vrrp-interface>
</vrrp-information>

```

**Description** Display active-inherit related parameters

## <bandwidth>

### Usage

```

<bandwidth>
  <bandwidth-threshold>
    bandwidth-threshold
  </bandwidth-threshold>
  <bandwidth-priority-cost>
    bandwidth-priority-cost
  </bandwidth-priority-cost>
  <bandwidth-active>

```

```
    bandwidth-active
  </bandwidth-active>
  <priority-down-status>
    priority-down-status
  </priority-down-status>
  <priority-cost>
    priority-cost
  </priority-cost>
  <priority-active>
    priority-active
  </priority-active>
</bandwidth>
```

**Description** Display bandwidth parameters.

## <bandwidth>

### Usage

```
<track-vrrpd-interface>
  <bandwidth>
    <bandwidth-threshold>
      bandwidth-threshold
    </bandwidth-threshold>
    <bandwidth-priority-cost>
      bandwidth-priority-cost
    </bandwidth-priority-cost>
    <bandwidth-active>
      bandwidth-active
    </bandwidth-active>
    <priority-down-status>
      priority-down-status
    </priority-down-status>
    <priority-cost>
      priority-cost
    </priority-cost>
    <priority-active>
      priority-active
    </priority-active>
  </bandwidth>
</track-vrrpd-interface>
```

**Description** Display bandwidth parameters.

## <bandwidth>

### Usage

```
<vrrp-interface>
  <bandwidth>
    <bandwidth-threshold>
      bandwidth-threshold
    </bandwidth-threshold>
    <bandwidth-priority-cost>
```

```

        bandwidth-priority-cost
      </bandwidth-priority-cost>
    <bandwidth-active>
      bandwidth-active
    </bandwidth-active>
    <priority-down-status>
      priority-down-status
    </priority-down-status>
    <priority-cost>
      priority-cost
    </priority-cost>
    <priority-active>
      priority-active
    </priority-active>
  </bandwidth>
</vrrp-interface>

```

**Description** Display bandwidth parameters.

## <bandwidth>

### Usage

```

<vrrp-interface>
  <track-vrrpd-interface>
    <bandwidth>
      <bandwidth-threshold>
        bandwidth-threshold
      </bandwidth-threshold>
      <bandwidth-priority-cost>
        bandwidth-priority-cost
      </bandwidth-priority-cost>
      <bandwidth-active>
        bandwidth-active
      </bandwidth-active>
      <priority-down-status>
        priority-down-status
      </priority-down-status>
      <priority-cost>
        priority-cost
      </priority-cost>
      <priority-active>
        priority-active
      </priority-active>
    </bandwidth>
  </track-vrrpd-interface>
</vrrp-interface>

```

**Description** Display bandwidth parameters.

## <bandwidth>

### Usage

```
<vrrp-information>
<vrrp-interface>
  <bandwidth>
    <bandwidth-threshold>
      bandwidth-threshold
    </bandwidth-threshold>
    <bandwidth-priority-cost>
      bandwidth-priority-cost
    </bandwidth-priority-cost>
    <bandwidth-active>
      bandwidth-active
    </bandwidth-active>
    <priority-down-status>
      priority-down-status
    </priority-down-status>
    <priority-cost>
      priority-cost
    </priority-cost>
    <priority-active>
      priority-active
    </priority-active>
  </bandwidth>
</vrrp-interface>
</vrrp-information>
```

**Description**    Display bandwidth parameters.

## <bandwidth>

### Usage

```
<vrrp-information>
<vrrp-interface>
  <track-vrrpd-interface>
    <bandwidth>
      <bandwidth-threshold>
        bandwidth-threshold
      </bandwidth-threshold>
      <bandwidth-priority-cost>
        bandwidth-priority-cost
      </bandwidth-priority-cost>
      <bandwidth-active>
        bandwidth-active
      </bandwidth-active>
      <priority-down-status>
        priority-down-status
      </priority-down-status>
      <priority-cost>
        priority-cost
      </priority-cost>
      <priority-active>
```

```

        priority-active
      </priority-active>
    </bandwidth>
  </track-vrrp-interface>
</vrrp-interface>
</vrrp-information>

```

**Description** Display bandwidth parameters.

### <group-vrrp-pdu-error-statistics>

#### Usage

```

<group-vrrp-pdu-error-statistics>
  <bad-authentication-type-received>
    bad-authentication-type-received
  </bad-authentication-type-received>
  <bad-password-received>
    bad-password-received
  </bad-password-received>
  <bad-md5-digest-received>
    bad-md5-digest-received
  </bad-md5-digest-received>
  <bad-advertisement-timer-received>
    bad-advertisement-timer-received
  </bad-advertisement-timer-received>
  <bad-vip-count-received>
    bad-vip-count-received
  </bad-vip-count-received>
  <bad-vipaddr-received>
    bad-vipaddr-received
  </bad-vipaddr-received>
</group-vrrp-pdu-error-statistics>

```

**Description** Errored statistics for the VRRP group.

### <group-vrrp-pdu-error-statistics>

#### Usage

```

<vrrp-interface>
  <group-vrrp-pdu-error-statistics>
    <bad-authentication-type-received>
      bad-authentication-type-received
    </bad-authentication-type-received>
    <bad-password-received>
      bad-password-received
    </bad-password-received>
    <bad-md5-digest-received>
      bad-md5-digest-received
    </bad-md5-digest-received>
    <bad-advertisement-timer-received>
      bad-advertisement-timer-received
    </bad-advertisement-timer-received>
  </group-vrrp-pdu-error-statistics>
</vrrp-interface>

```

```
<bad-vip-count-received>
  bad-vip-count-received
</bad-vip-count-received>
<bad-vipaddr-received>
  bad-vipaddr-received
</bad-vipaddr-received>
</group-vrrp-pdu-error-statistics>
</vrrp-interface>
```

**Description** Errored statistics for the VRRP group.

### <group-vrrp-pdu-error-statistics>

#### Usage

```
<vrrp-information>
<vrrp-interface>
  <group-vrrp-pdu-error-statistics>
    <bad-authentication-type-received>
      bad-authentication-type-received
    </bad-authentication-type-received>
    <bad-password-received>
      bad-password-received
    </bad-password-received>
    <bad-md5-digest-received>
      bad-md5-digest-received
    </bad-md5-digest-received>
    <bad-advertisement-timer-received>
      bad-advertisement-timer-received
    </bad-advertisement-timer-received>
    <bad-vip-count-received>
      bad-vip-count-received
    </bad-vip-count-received>
    <bad-vipaddr-received>
      bad-vipaddr-received
    </bad-vipaddr-received>
  </group-vrrp-pdu-error-statistics>
</vrrp-interface>
</vrrp-information>
```

**Description** Errored statistics for the VRRP group.

### <group-vrrp-pdu-statistics>

#### Usage

```
<group-vrrp-pdu-statistics>
  <advertisement-sent>
    advertisement-sent
  </advertisement-sent>
  <advertisement-received>
    advertisement-received
  </advertisement-received>
```

</group-vrrp-pdu-statistics>

**Description** Number of VRRP advertisements sent and received by the group.

### <group-vrrp-pdu-statistics>

#### Usage

```
<vrrp-interface>
  <group-vrrp-pdu-statistics>
    <advertisement-sent>
      advertisement-sent
    </advertisement-sent>
    <advertisement-received>
      advertisement-received
    </advertisement-received>
  </group-vrrp-pdu-statistics>
</vrrp-interface>
```

**Description** Number of VRRP advertisements sent and received by the group.

### <group-vrrp-pdu-statistics>

#### Usage

```
<vrrp-information>
  <vrrp-interface>
    <group-vrrp-pdu-statistics>
      <advertisement-sent>
        advertisement-sent
      </advertisement-sent>
      <advertisement-received>
        advertisement-received
      </advertisement-received>
    </group-vrrp-pdu-statistics>
  </vrrp-interface>
</vrrp-information>
```

**Description** Number of VRRP advertisements sent and received by the group.

### <group-vrrp-state-transition-statistics>

#### Usage

```
<group-vrrp-state-transition-statistics>
  <idle-master-transitions>
    idle-master-transitions
  </idle-master-transitions>
  <idle-backup-transitions>
    idle-backup-transitions
  </idle-backup-transitions>
  <backup-master-transitions>
    backup-master-transitions
  </backup-master-transitions>
```

```
<master-backup-transitions>
  master-backup-transitions
</master-backup-transitions>
</group-vrrp-state-transition-statistics>
```

**Description** State transition statistics for the VRRP group.

### <group-vrrp-state-transition-statistics>

#### Usage

```
<vrrp-interface>
  <group-vrrp-state-transition-statistics>
    <idle-master-transitions>
      idle-master-transitions
    </idle-master-transitions>
    <idle-backup-transitions>
      idle-backup-transitions
    </idle-backup-transitions>
    <backup-master-transitions>
      backup-master-transitions
    </backup-master-transitions>
    <master-backup-transitions>
      master-backup-transitions
    </master-backup-transitions>
  </group-vrrp-state-transition-statistics>
</vrrp-interface>
```

**Description** State transition statistics for the VRRP group.

### <group-vrrp-state-transition-statistics>

#### Usage

```
<vrrp-information>
  <vrrp-interface>
    <group-vrrp-state-transition-statistics>
      <idle-master-transitions>
        idle-master-transitions
      </idle-master-transitions>
      <idle-backup-transitions>
        idle-backup-transitions
      </idle-backup-transitions>
      <backup-master-transitions>
        backup-master-transitions
      </backup-master-transitions>
      <master-backup-transitions>
        master-backup-transitions
      </master-backup-transitions>
    </group-vrrp-state-transition-statistics>
  </vrrp-interface>
</vrrp-information>
```



**Description** State transition statistics for the VRRP group.

### <preempt-hold>

#### Usage

```
<preempt-hold>
<preempt>
  preempt
</preempt>
<preempt-hold-time>
  preempt-hold-time
</preempt-hold-time>
<accept-data-mode>
  accept-data-mode
</accept-data-mode>
<vip-count>
  vip-count
</vip-count>
<vip>
  vip
</vip>
</preempt-hold>
```

**Description** Display preempt related parameters

### <preempt-hold>

#### Usage

```
<vrrp-interface>
<preempt-hold>
<preempt>
  preempt
</preempt>
<preempt-hold-time>
  preempt-hold-time
</preempt-hold-time>
<accept-data-mode>
  accept-data-mode
</accept-data-mode>
<vip-count>
  vip-count
</vip-count>
<vip>
  vip
</vip>
</preempt-hold>
</vrrp-interface>
```

**Description** Display preempt related parameters

## <preempt-hold>

### Usage

```
<vrrp-information>
<vrrp-interface>
  <preempt-hold>
    <preempt>
      preempt
    </preempt>
    <preempt-hold-time>
      preempt-hold-time
    </preempt-hold-time>
    <accept-data-mode>
      accept-data-mode
    </accept-data-mode>
    <vip-count>
      vip-count
    </vip-count>
    <vip>
      vip
    </vip>
  </preempt-hold>
</vrrp-interface>
</vrrp-information>
```

**Description**    Display preempt related parameters

## <track-route-entry>

### Usage

```
<track-route-entry>
<route-addr>
  route-addr
</route-addr>
<route-state>
  route-state
</route-state>
<route-priority>
  route-priority
</route-priority>
<interface>
  interface
</interface>
<group>
  group
</group>
<configured-priority>
  configured-priority
</configured-priority>
<current-priority>
  current-priority
</current-priority>
<vrrp-state>
```

```

    vrrp-state
  </vrrp-state>
</track-route-entry>

```

**Description** Route Tracking entry table.

### <track-route-entry>

#### Usage

```

<vrrp-interface>
  <track-route-entry>
    <route-addr>
      route-addr
    </route-addr>
    <route-state>
      route-state
    </route-state>
    <route-priority>
      route-priority
    </route-priority>
    <interface>
      interface
    </interface>
    <group>
      group
    </group>
    <configured-priority>
      configured-priority
    </configured-priority>
    <current-priority>
      current-priority
    </current-priority>
    <vrrp-state>
      vrrp-state
    </vrrp-state>
  </track-route-entry>
</vrrp-interface>

```

**Description** Route Tracking entry table.

### <track-route-entry>

#### Usage

```

<vrrp-information>
  <vrrp-interface>
    <track-route-entry>
      <route-addr>
        route-addr
      </route-addr>
      <route-state>
        route-state
      </route-state>
    </track-route-entry>
  </vrrp-interface>
</vrrp-information>

```

```
<route-priority>
  route-priority
</route-priority>
<interface>
  interface
</interface>
<group>
  group
</group>
<configured-priority>
  configured-priority
</configured-priority>
<current-priority>
  current-priority
</current-priority>
<vrrp-state>
  vrrp-state
</vrrp-state>
</track-route-entry>
</vrrp-interface>
</vrrp-information>
```

**Description** Route Tracking entry table.

#### <track-route-node-information>

##### Usage

```
<track-route-node-information>
<route-addr>
  route-addr
</route-addr>
<route-instance>
  route-instance
</route-instance>
<route-state>
  route-state
</route-state>
<route-priority>
  route-priority
</route-priority>
</track-route-node-information>
```

**Description** Display route tracking details.

#### <track-route-node-information>

##### Usage

```
<vrrp-interface>
  <track-route-node-information>
    <route-addr>
      route-addr
    </route-addr>
```

```

<route-instance>
  route-instance
</route-instance>
<route-state>
  route-state
</route-state>
<route-priority>
  route-priority
</route-priority>
</track-route-node-information>
</vrrp-interface>

```

**Description** Display route tracking details.

### <track-route-node-information>

#### Usage

```

<vrrp-information>
<vrrp-interface>
  <track-route-node-information>
    <route-addr>
      route-addr
    </route-addr>
    <route-instance>
      route-instance
    </route-instance>
    <route-state>
      route-state
    </route-state>
    <route-priority>
      route-priority
    </route-priority>
  </track-route-node-information>
</vrrp-interface>
</vrrp-information>

```

**Description** Display route tracking details.

### <track-vrrpd-interface>

#### Usage

```

<track-vrrpd-interface>
<tracked-interface>
  tracked-interface
</tracked-interface>
<interface-state>
  interface-state
</interface-state>
<interface-speed>
  interface-speed
</interface-speed>
<current-priority-cost>

```

```
    current-priority-cost
  </current-priority-cost>
  <bandwidth>....</bandwidth>
</track-vrrpd-interface>
```

**Description** Display VRRP interface tracking details

### <track-vrrpd-interface>

#### Usage

```
<vrrp-interface>
  <track-vrrpd-interface>
    <tracked-interface>
      tracked-interface
    </tracked-interface>
    <interface-state>
      interface-state
    </interface-state>
    <interface-speed>
      interface-speed
    </interface-speed>
    <current-priority-cost>
      current-priority-cost
    </current-priority-cost>
    <bandwidth>....</bandwidth>
  </track-vrrpd-interface>
</vrrp-interface>
```

**Description** Display VRRP interface tracking details

### <track-vrrpd-interface>

#### Usage

```
<vrrp-information>
  <vrrp-interface>
    <track-vrrpd-interface>
      <tracked-interface>
        tracked-interface
      </tracked-interface>
      <interface-state>
        interface-state
      </interface-state>
      <interface-speed>
        interface-speed
      </interface-speed>
      <current-priority-cost>
        current-priority-cost
      </current-priority-cost>
      <bandwidth>....</bandwidth>
    </track-vrrpd-interface>
  </vrrp-interface>
```

```
</vrrp-information>
```

**Description** Display VRRP interface tracking details

### <vrrp-information>

#### Usage

```
<vrrp-information>
  <vrrp-interface>....</vrrp-interface>
</vrrp-information>
```

**Description** Display vrrp information

### <vrrp-interface>

#### Usage

```
<vrrp-interface>
  <groups>
    groups
  </groups>
  <active>
    active
  </active>
  <physical-interface>
    physical-interface
  </physical-interface>
  <interface>
    interface
  </interface>
  <address>
    address
  </address>
  <interface-state>
    interface-state
  </interface-state>
  <group>
    group
  </group>
  <vrrp-state>
    vrrp-state
  </vrrp-state>
  <timer-name>
    timer-name
  </timer-name>
  <timer-value>
    timer-value
  </timer-value>
  <local-interface-address>
    local-interface-address
  </local-interface-address>
  <vrrp-vlan>....</vrrp-vlan>
  <bandwidth>....</bandwidth>
```

```
<group-vrrp-pdu-statistics>....</group-vrrp-pdu-statistics>
<group-vrrp-pdu-error-statistics>....</group-vrrp-pdu-error-statistics>
<group-vrrp-state-transition-statistics>....</group-vrrp-state-transition-statistics>

<preempt-hold>....</preempt-hold>
<virtual-ip-address>
  virtual-ip-address
</virtual-ip-address>
<unit>
  unit
</unit>
<index>
  index
</index>
<interface-index>
  interface-index
</interface-index>
<snmp-interface-index>
  snmp-interface-index
</snmp-interface-index>
<vrrp-traps>
  vrrp-traps
</vrrp-traps>
<group-priority>
  group-priority
</group-priority>
<advertisement-interval>
  advertisement-interval
</advertisement-interval>
<authentication-type>
  authentication-type
</authentication-type>
<delay-threshold>
  delay-threshold
</delay-threshold>
<computed-send-rate>
  computed-send-rate
</computed-send-rate>
<preempt>
  preempt
</preempt>
<accept-data-mode>
  accept-data-mode
</accept-data-mode>
<vip-count>
  vip-count
</vip-count>
<vip>
  vip
</vip>
<dead-timer>
  dead-timer
</dead-timer>
<master-priority>
  master-priority
</master-priority>
```



```
<master-router-ip>
  master-router-ip
</master-router-ip>
<active-router-ip>
  active-router-ip
</active-router-ip>
<master-router>
  master-router
</master-router>
<router-ip>
  router-ip
</router-ip>
<virtual-router-uptime>
  virtual-router-uptime
</virtual-router-uptime>
<master-router-uptime>
  master-router-uptime
</master-router-uptime>
<virtual-mac>
  virtual-mac
</virtual-mac>
<tracking>
  tracking
</tracking>
<preempt-hold-time>
  preempt-hold-time
</preempt-hold-time>
<current-priority>
  current-priority
</current-priority>
<configured-priority>
  configured-priority
</configured-priority>
<priority-hold-time>
  priority-hold-time
</priority-hold-time>
<remaining-time>
  remaining-time
</remaining-time>
<pending-priority>
  pending-priority
</pending-priority>
<interface-tracking-state>
  interface-tracking-state
</interface-tracking-state>
<interface-count>
  interface-count
</interface-count>
<route-tracking-state>
  route-tracking-state
</route-tracking-state>
<route-count>
  route-count
</route-count>
<interface-speed>
  interface-speed
```

```
</interface-speed>
<current-priority-cost>
  current-priority-cost
</current-priority-cost>
<tracked-interface>
  tracked-interface
</tracked-interface>
<track-route-node-information>....</track-route-node-information>
<track-vrrpd-interface>....</track-vrrpd-interface>
<track-route-entry>....</track-route-entry>
<vrrp-message>....</vrrp-message>
<invalid-ipah-next-type-received>
  invalid-ipah-next-type-received
</invalid-ipah-next-type-received>
<invalid-vrrp-ttl-value-received>
  invalid-vrrp-ttl-value-received
</invalid-vrrp-ttl-value-received>
<invalid-vrrp-version-received>
  invalid-vrrp-version-received
</invalid-vrrp-version-received>
<invalid-vrrp-pdu-type-received>
  invalid-vrrp-pdu-type-received
</invalid-vrrp-pdu-type-received>
<invalid-vrrp-authentication-type-received>
  invalid-vrrp-authentication-type-received
</invalid-vrrp-authentication-type-received>
<invalid-vrrp-ip-count-received>
  invalid-vrrp-ip-count-received
</invalid-vrrp-ip-count-received>
<invalid-vrrp-checksum-received>
  invalid-vrrp-checksum-received
</invalid-vrrp-checksum-received>
<advertisement-timer>
  advertisement-timer
</advertisement-timer>
<packets-received>
  packets-received
</packets-received>
<no-group-match-received>
  no-group-match-received
</no-group-match-received>
<advertisement-sent>
  advertisement-sent
</advertisement-sent>
<advertisement-received>
  advertisement-received
</advertisement-received>
<vrrp-mode>
  vrrp-mode
</vrrp-mode>
<active-node>
  active-node
</active-node>
<active-group>
  active-group
</active-group>
```

```

    <active-inherit>....</active-inherit>
</vrrp-interface>

```

**Description** Describes vrrp interface.

## <vrrp-interface>

### Usage

```

<vrrp-information>
<vrrp-interface>
  <groups>
    groups
  </groups>
  <active>
    active
  </active>
  <physical-interface>
    physical-interface
  </physical-interface>
  <interface>
    interface
  </interface>
  <address>
    address
  </address>
  <interface-state>
    interface-state
  </interface-state>
  <group>
    group
  </group>
  <vrrp-state>
    vrrp-state
  </vrrp-state>
  <timer-name>
    timer-name
  </timer-name>
  <timer-value>
    timer-value
  </timer-value>
  <local-interface-address>
    local-interface-address
  </local-interface-address>
  <vrrp-vlan>....</vrrp-vlan>
  <bandwidth>....</bandwidth>
  <group-vrrp-pdu-statistics>....</group-vrrp-pdu-statistics>
  <group-vrrp-pdu-error-statistics>....</group-vrrp-pdu-error-statistics>
  <group-vrrp-state-transition-statistics>....</group-vrrp-state-transition-statistics>

  <preempt-hold>....</preempt-hold>
  <virtual-ip-address>
    virtual-ip-address
  </virtual-ip-address>
  <unit>

```

```
    unit
  </unit>
  <index>
    index
  </index>
  <interface-index>
    interface-index
  </interface-index>
  <snmp-interface-index>
    snmp-interface-index
  </snmp-interface-index>
  <vrrp-traps>
    vrrp-traps
  </vrrp-traps>
  <group-priority>
    group-priority
  </group-priority>
  <advertisement-interval>
    advertisement-interval
  </advertisement-interval>
  <authentication-type>
    authentication-type
  </authentication-type>
  <delay-threshold>
    delay-threshold
  </delay-threshold>
  <computed-send-rate>
    computed-send-rate
  </computed-send-rate>
  <preempt>
    preempt
  </preempt>
  <accept-data-mode>
    accept-data-mode
  </accept-data-mode>
  <vip-count>
    vip-count
  </vip-count>
  <vip>
    vip
  </vip>
  <dead-timer>
    dead-timer
  </dead-timer>
  <master-priority>
    master-priority
  </master-priority>
  <master-router-ip>
    master-router-ip
  </master-router-ip>
  <active-router-ip>
    active-router-ip
  </active-router-ip>
  <master-router>
    master-router
  </master-router>
```

```
<router-ip>
  router-ip
</router-ip>
<virtual-router-uptime>
  virtual-router-uptime
</virtual-router-uptime>
<master-router-uptime>
  master-router-uptime
</master-router-uptime>
<virtual-mac>
  virtual-mac
</virtual-mac>
<tracking>
  tracking
</tracking>
<preempt-hold-time>
  preempt-hold-time
</preempt-hold-time>
<current-priority>
  current-priority
</current-priority>
<configured-priority>
  configured-priority
</configured-priority>
<priority-hold-time>
  priority-hold-time
</priority-hold-time>
<remaining-time>
  remaining-time
</remaining-time>
<pending-priority>
  pending-priority
</pending-priority>
<interface-tracking-state>
  interface-tracking-state
</interface-tracking-state>
<interface-count>
  interface-count
</interface-count>
<route-tracking-state>
  route-tracking-state
</route-tracking-state>
<route-count>
  route-count
</route-count>
<interface-speed>
  interface-speed
</interface-speed>
<current-priority-cost>
  current-priority-cost
</current-priority-cost>
<tracked-interface>
  tracked-interface
</tracked-interface>
<track-route-node-information>....</track-route-node-information>
<track-vrrpd-interface>....</track-vrrpd-interface>
```

```
<track-route-entry>....</track-route-entry>
<vrrp-message>....</vrrp-message>
<invalid-ipah-next-type-received>
  invalid-ipah-next-type-received
</invalid-ipah-next-type-received>
<invalid-vrrp-ttl-value-received>
  invalid-vrrp-ttl-value-received
</invalid-vrrp-ttl-value-received>
<invalid-vrrp-version-received>
  invalid-vrrp-version-received
</invalid-vrrp-version-received>
<invalid-vrrp-pdu-type-received>
  invalid-vrrp-pdu-type-received
</invalid-vrrp-pdu-type-received>
<invalid-vrrp-authentication-type-received>
  invalid-vrrp-authentication-type-received
</invalid-vrrp-authentication-type-received>
<invalid-vrrp-ip-count-received>
  invalid-vrrp-ip-count-received
</invalid-vrrp-ip-count-received>
<invalid-vrrp-checksum-received>
  invalid-vrrp-checksum-received
</invalid-vrrp-checksum-received>
<advertisement-timer>
  advertisement-timer
</advertisement-timer>
<packets-received>
  packets-received
</packets-received>
<no-group-match-received>
  no-group-match-received
</no-group-match-received>
<advertisement-sent>
  advertisement-sent
</advertisement-sent>
<advertisement-received>
  advertisement-received
</advertisement-received>
<vrrp-mode>
  vrrp-mode
</vrrp-mode>
<active-node>
  active-node
</active-node>
<active-group>
  active-group
</active-group>
<active-inherit>....</active-inherit>
</vrrp-interface>
</vrrp-information>
```

**Description** Describes vrrp interface.

**<vrrp-interface-profile>****Usage**

```

<vrrp-interface-profile>
  <interface>
    interface
  </interface>
  <unit>
    unit
  </unit>
  <group>
    group
  </group>
  <advertisement-timer>
    advertisement-timer
  </advertisement-timer>
  <delay>
    delay
  </delay>
</vrrp-interface-profile>

```

**Description** Profile of vrrp interface.

**<vrrp-interface-profile>****Usage**

```

<vrrp-profile-statistics>
  <vrrp-interface-profile>
    <interface>
      interface
    </interface>
    <unit>
      unit
    </unit>
    <group>
      group
    </group>
    <advertisement-timer>
      advertisement-timer
    </advertisement-timer>
    <delay>
      delay
    </delay>
  </vrrp-interface-profile>
</vrrp-profile-statistics>

```

**Description** Profile of vrrp interface.

**<vrrp-message>****Usage**

```

<vrrp-message>

```

```
<message>
  message
</message>
</vrrp-message>
```

**Description** Display vrrp message.

### <vrrp-message>

#### Usage

```
<vrrp-interface>
  <vrrp-message>
    <message>
      message
    </message>
  </vrrp-message>
</vrrp-interface>
```

**Description** Display vrrp message.

### <vrrp-message>

#### Usage

```
<vrrp-information>
  <vrrp-interface>
    <vrrp-message>
      <message>
        message
      </message>
    </vrrp-message>
  </vrrp-interface>
</vrrp-information>
```

**Description** Display vrrp message.

### <vrrp-profile-statistics>

#### Usage

```
<vrrp-profile-statistics>
  <vrrp-interface-profile>....</vrrp-interface-profile>
  <parse-time>
    parse-time
  </parse-time>
  <delay-violations>
    delay-violations
  </delay-violations>
  <delay-violations-rate>
    delay-violations-rate
  </delay-violations-rate>
  <peak-delay-violations-rate>
    peak-delay-violations-rate
```



```

</peak-delay-violations-rate>
<missed-three-consecutive-send>
  missed-three-consecutive-send
</missed-three-consecutive-send>
<send-rate>
  send-rate
</send-rate>
<peak-send-rate>
  peak-send-rate
</peak-send-rate>
<receive-rate>
  receive-rate
</receive-rate>
<peak-receive-rate>
  peak-receive-rate
</peak-receive-rate>
<expirations>
  expirations
</expirations>
<expiration-rate>
  expiration-rate
</expiration-rate>
<peak-expiration-rate>
  peak-expiration-rate
</peak-expiration-rate>
</vrrp-profile-statistics>

```

**Description** Vrrp profile statistics.

### <vrrp-vlan>

#### Usage

```

<vrrp-vlan>
  <physical-interface>
    physical-interface
  </physical-interface>
  <unit>
    unit
  </unit>
  <vlan-id>
    vlan-id
  </vlan-id>
  <vlan-tag>
    vlan-tag
  </vlan-tag>
  <vlan-address>
    vlan-address
  </vlan-address>
</vrrp-vlan>

```

**Description** Display vrrp when configured on vlan.

## <vrrp-vlan>

### Usage

```
<vrrp-interface>
  <vrrp-vlan>
    <physical-interface>
      physical-interface
    </physical-interface>
    <unit>
      unit
    </unit>
    <vlan-id>
      vlan-id
    </vlan-id>
    <vlan-tag>
      vlan-tag
    </vlan-tag>
    <vlan-address>
      vlan-address
    </vlan-address>
  </vrrp-vlan>
</vrrp-interface>
```

**Description** Display vrrp when configured on vlan.

## <vrrp-vlan>

### Usage

```
<vrrp-information>
  <vrrp-interface>
    <vrrp-vlan>
      <physical-interface>
        physical-interface
      </physical-interface>
      <unit>
        unit
      </unit>
      <vlan-id>
        vlan-id
      </vlan-id>
      <vlan-tag>
        vlan-tag
      </vlan-tag>
      <vlan-address>
        vlan-address
      </vlan-address>
    </vrrp-vlan>
  </vrrp-interface>
</vrrp-information>
```

**Description** Display vrrp when configured on vlan.

## Summary of X.509 Certificate Response Tags

---

### <alternate-subject-list>

#### Usage

```
<alternate-subject-list>
  <alternate-subject>
    alternate-subject
  </alternate-subject>
</alternate-subject-list>
```

#### Description

### <alternate-subject-list>

#### Usage

```
<x509-certificate-info>
  <alternate-subject-list>
    <alternate-subject>
      alternate-subject
    </alternate-subject>
  </alternate-subject-list>
</x509-certificate-info>
```

#### Description

### <alternate-subject-list>

#### Usage

```
<x509-certificate-info-list>
  <x509-certificate-info>
    <alternate-subject-list>
      <alternate-subject>
        alternate-subject
      </alternate-subject>
    </alternate-subject-list>
  </x509-certificate-info>
</x509-certificate-info-list>
```

#### Description

### <alternate-subject-list>

#### Usage

```
<x509-certificate-add-results>
  <x509-certificate-info>
    <alternate-subject-list>
      <alternate-subject>
        alternate-subject
      </alternate-subject>
    </alternate-subject-list>
  </x509-certificate-info>
```

</x509-certificate-add-results>

#### Description

<auto-re-enrollment>

#### Usage

```
<auto-re-enrollment>
  <auto-re-enrollment-status>
    auto-re-enrollment-status
  </auto-re-enrollment-status>
  <auto-re-enrollment-next-trigger-time>
    auto-re-enrollment-next-trigger-time
  </auto-re-enrollment-next-trigger-time>
</auto-re-enrollment>
```

#### Description

<auto-re-enrollment>

#### Usage

```
<x509-certificate-info>
  <auto-re-enrollment>
    <auto-re-enrollment-status>
      auto-re-enrollment-status
    </auto-re-enrollment-status>
    <auto-re-enrollment-next-trigger-time>
      auto-re-enrollment-next-trigger-time
    </auto-re-enrollment-next-trigger-time>
  </auto-re-enrollment>
</x509-certificate-info>
```

#### Description

<auto-re-enrollment>

#### Usage

```
<x509-certificate-info-list>
  <x509-certificate-info>
    <auto-re-enrollment>
      <auto-re-enrollment-status>
        auto-re-enrollment-status
      </auto-re-enrollment-status>
      <auto-re-enrollment-next-trigger-time>
        auto-re-enrollment-next-trigger-time
      </auto-re-enrollment-next-trigger-time>
    </auto-re-enrollment>
  </x509-certificate-info>
</x509-certificate-info-list>
```

#### Description

### <auto-re-enrollment>

#### Usage

```
<x509-certificate-add-results>
  <x509-certificate-info>
    <auto-re-enrollment>
      <auto-re-enrollment-status>
        auto-re-enrollment-status
      </auto-re-enrollment-status>
      <auto-re-enrollment-next-trigger-time>
        auto-re-enrollment-next-trigger-time
      </auto-re-enrollment-next-trigger-time>
    </auto-re-enrollment>
  </x509-certificate-info>
</x509-certificate-add-results>
```

#### Description

### <crl-issuer-alternate-subject-list>

#### Usage

```
<crl-issuer-alternate-subject-list>
  <crl-issuer-alternate-subject>
    crl-issuer-alternate-subject
  </crl-issuer-alternate-subject>
</crl-issuer-alternate-subject-list>
```

#### Description

### <crl-issuer-alternate-subject-list>

#### Usage

```
<x509-crl-information>
  <crl-issuer-alternate-subject-list>
    <crl-issuer-alternate-subject>
      crl-issuer-alternate-subject
    </crl-issuer-alternate-subject>
  </crl-issuer-alternate-subject-list>
</x509-crl-information>
```

#### Description

### <crl-issuer-detail>

#### Usage

```
<x509-crl-information>
  <crl-issuer-detail>
    <distinguished-name>....</distinguished-name>
  </crl-issuer-detail>
</x509-crl-information>
```

**Description** Distinguished name of CRL issuer

### <crl-revocation-list>

#### Usage

```
<crl-revocation-list>
  <revoked-cert-serial-number>
    revoked-cert-serial-number
  </revoked-cert-serial-number>
  <crl-revocation-date>
    crl-revocation-date
  </crl-revocation-date>
</crl-revocation-list>
```

**Description**

### <crl-revocation-list>

#### Usage

```
<x509-crl-information>
  <crl-revocation-list>
    <revoked-cert-serial-number>
      revoked-cert-serial-number
    </revoked-cert-serial-number>
    <crl-revocation-date>
      crl-revocation-date
    </crl-revocation-date>
  </crl-revocation-list>
</x509-crl-information>
```

**Description**

### <crl-validity>

#### Usage

```
<crl-validity>
  <effective-date>
    effective-date
  </effective-date>
  <next-update>
    next-update
  </next-update>
</crl-validity>
```

**Description** Information about validity period for X.509 certificate revocation list

### <crl-validity>

#### Usage

```
<x509-crl-information>
  <crl-validity>
    <effective-date>
```

```

    effective-date
  </effective-date>
  <next-update>
    next-update
  </next-update>
</crl-validity>
</x509-crl-information>

```

**Description** Information about validity period for X.509 certificate revocation list

## <distinguished-name>

### Usage

```

<distinguished-name>
  <organization-name>
    organization-name
  </organization-name>
  <organizational-unit-name>
    organizational-unit-name
  </organizational-unit-name>
  <country-name>
    country-name
  </country-name>
  <state-or-province-name>
    state-or-province-name
  </state-or-province-name>
  <locality-name>
    locality-name
  </locality-name>
  <common-name>
    common-name
  </common-name>
  <email-address>
    email-address
  </email-address>
  <domain-component>
    domain-component
  </domain-component>
</distinguished-name>

```

### Description

## <distinguished-name>

### Usage

```

<x509-certificate-info>
  <issuer>
    <distinguished-name>
      <organization-name>
        organization-name
      </organization-name>
      <organizational-unit-name>
        organizational-unit-name

```

```
</organizational-unit-name>
<country-name>
  country-name
</country-name>
<state-or-province-name>
  state-or-province-name
</state-or-province-name>
<locality-name>
  locality-name
</locality-name>
<common-name>
  common-name
</common-name>
<email-address>
  email-address
</email-address>
<domain-component>
  domain-component
</domain-component>
</distinguished-name>
</issuer>
</x509-certificate-info>
```

#### Description

#### <distinguished-name>

#### Usage

```
<x509-certificate-info>
  <subject>
    <distinguished-name>
      <organization-name>
        organization-name
      </organization-name>
      <organizational-unit-name>
        organizational-unit-name
      </organizational-unit-name>
      <country-name>
        country-name
      </country-name>
      <state-or-province-name>
        state-or-province-name
      </state-or-province-name>
      <locality-name>
        locality-name
      </locality-name>
      <common-name>
        common-name
      </common-name>
      <email-address>
        email-address
      </email-address>
      <domain-component>
        domain-component
      </domain-component>
```



```

    </distinguished-name>
  </subject>
</x509-certificate-info>

```

#### Description

<distinguished-name>

#### Usage

```

<x509-crl-information>
  <crl-issuer-detail>
    <distinguished-name>
      <organization-name>
        organization-name
      </organization-name>
      <organizational-unit-name>
        organizational-unit-name
      </organizational-unit-name>
      <country-name>
        country-name
      </country-name>
      <state-or-province-name>
        state-or-province-name
      </state-or-province-name>
      <locality-name>
        locality-name
      </locality-name>
      <common-name>
        common-name
      </common-name>
      <email-address>
        email-address
      </email-address>
      <domain-component>
        domain-component
      </domain-component>
    </distinguished-name>
  </crl-issuer-detail>
</x509-crl-information>

```

#### Description

<distinguished-name>

#### Usage

```

<x509-certificate-info-list>
  <x509-certificate-info>
    <issuer>
      <distinguished-name>
        <organization-name>
          organization-name
        </organization-name>
        <organizational-unit-name>
          organizational-unit-name

```

```
</organizational-unit-name>
<country-name>
  country-name
</country-name>
<state-or-province-name>
  state-or-province-name
</state-or-province-name>
<locality-name>
  locality-name
</locality-name>
<common-name>
  common-name
</common-name>
<email-address>
  email-address
</email-address>
<domain-component>
  domain-component
</domain-component>
</distinguished-name>
</issuer>
</x509-certificate-info>
</x509-certificate-info-list>
```

## Description

### <distinguished-name>

#### Usage

```
<x509-certificate-info-list>
<x509-certificate-info>
  <subject>
    <distinguished-name>
      <organization-name>
        organization-name
      </organization-name>
      <organizational-unit-name>
        organizational-unit-name
      </organizational-unit-name>
      <country-name>
        country-name
      </country-name>
      <state-or-province-name>
        state-or-province-name
      </state-or-province-name>
      <locality-name>
        locality-name
      </locality-name>
      <common-name>
        common-name
      </common-name>
      <email-address>
        email-address
      </email-address>
      <domain-component>
```

```

        domain-component
      </domain-component>
    </distinguished-name>
  </subject>
</x509-certificate-info>
</x509-certificate-info-list>

```

## Description

### <distinguished-name>

#### Usage

```

<x509-certificate-add-results>
  <x509-certificate-info>
    <issuer>
      <distinguished-name>
        <organization-name>
          organization-name
        </organization-name>
        <organizational-unit-name>
          organizational-unit-name
        </organizational-unit-name>
        <country-name>
          country-name
        </country-name>
        <state-or-province-name>
          state-or-province-name
        </state-or-province-name>
        <locality-name>
          locality-name
        </locality-name>
        <common-name>
          common-name
        </common-name>
        <email-address>
          email-address
        </email-address>
        <domain-component>
          domain-component
        </domain-component>
      </distinguished-name>
    </issuer>
  </x509-certificate-info>
</x509-certificate-add-results>

```

## Description

### <distinguished-name>

#### Usage

```

<x509-certificate-add-results>
  <x509-certificate-info>
    <subject>
      <distinguished-name>

```

```
<organization-name>
  organization-name
</organization-name>
<organizational-unit-name>
  organizational-unit-name
</organizational-unit-name>
<country-name>
  country-name
</country-name>
<state-or-province-name>
  state-or-province-name
</state-or-province-name>
<locality-name>
  locality-name
</locality-name>
<common-name>
  common-name
</common-name>
<email-address>
  email-address
</email-address>
<domain-component>
  domain-component
</domain-component>
</distinguished-name>
</subject>
</x509-certificate-info>
</x509-certificate-add-results>
```

#### Description

### <distribution-crl-list>

#### Usage

```
<distribution-crl-list>
  <distribution-crl>
    distribution-crl
  </distribution-crl>
</distribution-crl-list>
```

**Description** Information about one or more distribution certificate revocation lists

### <distribution-crl-list>

#### Usage

```
<x509-certificate-info>
  <distribution-crl-list>
    <distribution-crl>
      distribution-crl
    </distribution-crl>
  </distribution-crl-list>
</x509-certificate-info>
```

**Description** Information about one or more distribution certificate revocation lists

### <distribution-crl-list>

**Usage**

```
<x509-certificate-info-list>
  <x509-certificate-info>
    <distribution-crl-list>
      <distribution-crl>
        distribution-crl
      </distribution-crl>
    </distribution-crl-list>
  </x509-certificate-info>
</x509-certificate-info-list>
```

**Description** Information about one or more distribution certificate revocation lists

### <distribution-crl-list>

**Usage**

```
<x509-certificate-add-results>
  <x509-certificate-info>
    <distribution-crl-list>
      <distribution-crl>
        distribution-crl
      </distribution-crl>
    </distribution-crl-list>
  </x509-certificate-info>
</x509-certificate-add-results>
```

**Description** Information about one or more distribution certificate revocation lists

### <fingerprint>

**Usage**

```
<fingerprint>
  <fingerprint-hash-algorithm>
    fingerprint-hash-algorithm
  </fingerprint-hash-algorithm>
  <fingerprint-content>
    fingerprint-content
  </fingerprint-content>
</fingerprint>
```

**Description** Fingerprint

### <fingerprint>

**Usage**

```
<x509-certificate-info>
```

```
<fingerprint>
  <fingerprint-hash-algorithm>
    fingerprint-hash-algorithm
  </fingerprint-hash-algorithm>
  <fingerprint-content>
    fingerprint-content
  </fingerprint-content>
</fingerprint>
</x509-certificate-info>
```

**Description**    Fingerprint

### <fingerprint>

#### Usage

```
<x509-certificate-info-list>
  <x509-certificate-info>
    <fingerprint>
      <fingerprint-hash-algorithm>
        fingerprint-hash-algorithm
      </fingerprint-hash-algorithm>
      <fingerprint-content>
        fingerprint-content
      </fingerprint-content>
    </fingerprint>
  </x509-certificate-info>
</x509-certificate-info-list>
```

**Description**    Fingerprint

### <fingerprint>

#### Usage

```
<x509-certificate-add-results>
  <x509-certificate-info>
    <fingerprint>
      <fingerprint-hash-algorithm>
        fingerprint-hash-algorithm
      </fingerprint-hash-algorithm>
      <fingerprint-content>
        fingerprint-content
      </fingerprint-content>
    </fingerprint>
  </x509-certificate-info>
</x509-certificate-add-results>
```

**Description**    Fingerprint

**<issue-info>****Usage**

```
<issue-info>
  <recipient>
    recipient
  </recipient>
  <issued-by>
    issued-by
  </issued-by>
</issue-info>
```

**Description****<issue-info>****Usage**

```
<x509-certificate-info>
  <issue-info>
    <recipient>
      recipient
    </recipient>
    <issued-by>
      issued-by
    </issued-by>
  </issue-info>
</x509-certificate-info>
```

**Description****<issue-info>****Usage**

```
<x509-certificate-info-list>
  <x509-certificate-info>
    <issue-info>
      <recipient>
        recipient
      </recipient>
      <issued-by>
        issued-by
      </issued-by>
    </issue-info>
  </x509-certificate-info>
</x509-certificate-info-list>
```

**Description****<issue-info>****Usage**

```
<x509-certificate-add-results>
```

```
<x509-certificate-info>
  <issue-info>
    <recipient>
      recipient
    </recipient>
    <issued-by>
      issued-by
    </issued-by>
  </issue-info>
</x509-certificate-info>
</x509-certificate-add-results>
```

**Description**

<issuer>

**Usage**

```
<x509-certificate-info>
  <issuer>
    <distinguished-name>....</distinguished-name>
  </issuer>
</x509-certificate-info>
```

**Description** Identifies the CA that issued certificate

<issuer>

**Usage**

```
<x509-certificate-info-list>
  <x509-certificate-info>
    <issuer>
      <distinguished-name>....</distinguished-name>
    </issuer>
  </x509-certificate-info>
</x509-certificate-info-list>
```

**Description** Identifies the CA that issued certificate

<issuer>

**Usage**

```
<x509-certificate-add-results>
  <x509-certificate-info>
    <issuer>
      <distinguished-name>....</distinguished-name>
    </issuer>
  </x509-certificate-info>
</x509-certificate-add-results>
```

**Description** Identifies the CA that issued certificate



**<key-usage-list>****Usage**

```
<key-usage-list>
  <key-usage>
    key-usage
  </key-usage>
</key-usage-list>
```

**Description****<key-usage-list>****Usage**

```
<x509-certificate-info>
  <key-usage-list>
    <key-usage>
      key-usage
    </key-usage>
  </key-usage-list>
</x509-certificate-info>
```

**Description****<key-usage-list>****Usage**

```
<x509-certificate-info-list>
  <x509-certificate-info>
    <key-usage-list>
      <key-usage>
        key-usage
      </key-usage>
    </key-usage-list>
  </x509-certificate-info>
</x509-certificate-info-list>
```

**Description****<key-usage-list>****Usage**

```
<x509-certificate-add-results>
  <x509-certificate-info>
    <key-usage-list>
      <key-usage>
        key-usage
      </key-usage>
    </key-usage-list>
  </x509-certificate-info>
</x509-certificate-add-results>
```

**Description****<public-key>****Usage**

```
<public-key>
  <public-key-algorithm>
    public-key-algorithm
  </public-key-algorithm>
  <public-key-length>
    public-key-length
  </public-key-length>
  <public-key-verification-status>
    public-key-verification-status
  </public-key-verification-status>
</public-key>
```

**Description** Information about an X.509 public key

**<public-key>****Usage**

```
<x509-certificate-info>
  <public-key>
    <public-key-algorithm>
      public-key-algorithm
    </public-key-algorithm>
    <public-key-length>
      public-key-length
    </public-key-length>
    <public-key-verification-status>
      public-key-verification-status
    </public-key-verification-status>
  </public-key>
</x509-certificate-info>
```

**Description** Information about an X.509 public key

**<public-key>****Usage**

```
<x509-certificate-info-list>
  <x509-certificate-info>
    <public-key>
      <public-key-algorithm>
        public-key-algorithm
      </public-key-algorithm>
      <public-key-length>
        public-key-length
      </public-key-length>
      <public-key-verification-status>
        public-key-verification-status
      </public-key-verification-status>
    </public-key>
  </x509-certificate-info>
</x509-certificate-info-list>
```

```

    </public-key>
  </x509-certificate-info>
</x509-certificate-info-list>

```

**Description** Information about an X.509 public key

### <public-key>

#### Usage

```

<x509-certificate-add-results>
  <x509-certificate-info>
    <public-key>
      <public-key-algorithm>
        public-key-algorithm
      </public-key-algorithm>
      <public-key-length>
        public-key-length
      </public-key-length>
      <public-key-verification-status>
        public-key-verification-status
      </public-key-verification-status>
    </public-key>
  </x509-certificate-info>
</x509-certificate-add-results>

```

**Description** Information about an X.509 public key

### <public-key-contents-list>

#### Usage

```

<public-key-contents-list>
  <key-contents>
    key-contents
  </key-contents>
</public-key-contents-list>

```

**Description**

### <public-key-contents-list>

#### Usage

```

<x509-certificate-info>
  <public-key-contents-list>
    <key-contents>
      key-contents
    </key-contents>
  </public-key-contents-list>
</x509-certificate-info>

```

**Description**

**<public-key-contents-list>****Usage**

```
<x509-certificate-info-list>
  <x509-certificate-info>
    <public-key-contents-list>
      <key-contents>
        key-contents
      </key-contents>
    </public-key-contents-list>
  </x509-certificate-info>
</x509-certificate-info-list>
```

**Description****<public-key-contents-list>****Usage**

```
<x509-certificate-add-results>
  <x509-certificate-info>
    <public-key-contents-list>
      <key-contents>
        key-contents
      </key-contents>
    </public-key-contents-list>
  </x509-certificate-info>
</x509-certificate-add-results>
```

**Description****<serial-number-list>****Usage**

```
<serial-number-list>
  <serial-number-x509>
    serial-number-x509
  </serial-number-x509>
</serial-number-list>
```

**Description**    Serial numbers of one or more X.509 certificate

**<serial-number-list>****Usage**

```
<x509-certificate-info>
  <serial-number-list>
    <serial-number-x509>
      serial-number-x509
    </serial-number-x509>
  </serial-number-list>
</x509-certificate-info>
```

**Description** Serial numbers of one or more X.509 certificate

### <serial-number-list>

#### Usage

```
<x509-certificate-info-list>
  <x509-certificate-info>
    <serial-number-list>
      <serial-number-x509>
        serial-number-x509
      </serial-number-x509>
    </serial-number-list>
  </x509-certificate-info>
</x509-certificate-info-list>
```

**Description** Serial numbers of one or more X.509 certificate

### <serial-number-list>

#### Usage

```
<x509-certificate-add-results>
  <x509-certificate-info>
    <serial-number-list>
      <serial-number-x509>
        serial-number-x509
      </serial-number-x509>
    </serial-number-list>
  </x509-certificate-info>
</x509-certificate-add-results>
```

**Description** Serial numbers of one or more X.509 certificate

### <subject>

#### Usage

```
<x509-certificate-info>
  <subject>
    <distinguished-name>....</distinguished-name>
  </subject>
</x509-certificate-info>
```

**Description** Information about certificate owner

### <subject>

#### Usage

```
<x509-certificate-info-list>
  <x509-certificate-info>
    <subject>
      <distinguished-name>....</distinguished-name>
```

```
</subject>
</x509-certificate-info>
</x509-certificate-info-list>
```

**Description** Information about certificate owner

### <subject>

#### Usage

```
<x509-certificate-add-results>
  <x509-certificate-info>
    <subject>
      <distinguished-name>....</distinguished-name>
    </subject>
  </x509-certificate-info>
</x509-certificate-add-results>
```

**Description** Information about certificate owner

### <validity>

#### Usage

```
<validity>
  <not-before>
    not-before
  </not-before>
  <not-after>
    not-after
  </not-after>
</validity>
```

**Description** Information about validity period for X.509 certificate

### <validity>

#### Usage

```
<x509-certificate-info>
  <validity>
    <not-before>
      not-before
    </not-before>
    <not-after>
      not-after
    </not-after>
  </validity>
</x509-certificate-info>
```

**Description** Information about validity period for X.509 certificate

**<validity>****Usage**

```

<x509-certificate-info-list>
  <x509-certificate-info>
    <validity>
      <not-before>
        not-before
      </not-before>
      <not-after>
        not-after
      </not-after>
    </validity>
  </x509-certificate-info>
</x509-certificate-info-list>

```

**Description** Information about validity period for X.509 certificate

**<validity>****Usage**

```

<x509-certificate-add-results>
  <x509-certificate-info>
    <validity>
      <not-before>
        not-before
      </not-before>
      <not-after>
        not-after
      </not-after>
    </validity>
  </x509-certificate-info>
</x509-certificate-add-results>

```

**Description** Information about validity period for X.509 certificate

**<x509-certificate-add-results>****Usage**

```

<x509-certificate-add-results>
  <x509-certificate-add-success>
    x509-certificate-add-success
  </x509-certificate-add-success>
  <x509-certificate-info>....</x509-certificate-info>
</x509-certificate-add-results>

```

**Description**

## <x509-certificate-info>

### Usage

```
<x509-certificate-info>
  <issue-info>.....</issue-info>
  <serial-number-list>.....</serial-number-list>
  <public-key>.....</public-key>
  <fingerprint>.....</fingerprint>
  <public-key-contents-list>.....</public-key-contents-list>
  <alternate-subject-list>.....</alternate-subject-list>
  <key-usage-list>.....</key-usage-list>
  <distribution-crl-list>.....</distribution-crl-list>
  <signature-algorithm>
    signature-algorithm
  </signature-algorithm>
  <identifier>
    identifier
  </identifier>
  <validity>.....</validity>
  <version>
    version
  </version>
  <auto-re-enrollment>.....</auto-re-enrollment>
  <certificate-type>
    certificate-type
  </certificate-type>
  <status>
    status
  </status>
  <issuer>.....</issuer>
  <subject>.....</subject>
</x509-certificate-info>
```

**Description** Detailed information about an X.509 certificate

## <x509-certificate-info>

### Usage

```
<x509-certificate-info-list>
  <x509-certificate-info>
    <issue-info>.....</issue-info>
    <serial-number-list>.....</serial-number-list>
    <public-key>.....</public-key>
    <fingerprint>.....</fingerprint>
    <public-key-contents-list>.....</public-key-contents-list>
    <alternate-subject-list>.....</alternate-subject-list>
    <key-usage-list>.....</key-usage-list>
    <distribution-crl-list>.....</distribution-crl-list>
    <signature-algorithm>
      signature-algorithm
    </signature-algorithm>
    <identifier>
      identifier
    </identifier>
```



```

</identifier>
<validity>....</validity>
<version>
  version
</version>
<auto-re-enrollment>....</auto-re-enrollment>
<certificate-type>
  certificate-type
</certificate-type>
<status>
  status
</status>
<issuer>....</issuer>
<subject>....</subject>
</x509-certificate-info>
</x509-certificate-info-list>

```

**Description** Detailed information about an X.509 certificate

## <x509-certificate-info>

### Usage

```

<x509-certificate-add-results>
  <x509-certificate-info>
    <issue-info>....</issue-info>
    <serial-number-list>....</serial-number-list>
    <public-key>....</public-key>
    <fingerprint>....</fingerprint>
    <public-key-contents-list>....</public-key-contents-list>
    <alternate-subject-list>....</alternate-subject-list>
    <key-usage-list>....</key-usage-list>
    <distribution-crl-list>....</distribution-crl-list>
    <signature-algorithm>
      signature-algorithm
    </signature-algorithm>
    <identifier>
      identifier
    </identifier>
    <validity>....</validity>
    <version>
      version
    </version>
    <auto-re-enrollment>....</auto-re-enrollment>
    <certificate-type>
      certificate-type
    </certificate-type>
    <status>
      status
    </status>
    <issuer>....</issuer>
    <subject>....</subject>
  </x509-certificate-info>
</x509-certificate-add-results>

```

**Description** Detailed information about an X.509 certificate

### <x509-certificate-info-list>

**Usage**

```
<x509-certificate-info-list>
  <x509-certificate-info>....</x509-certificate-info>
</x509-certificate-info-list>
```

**Description**

### <x509-crl-information>

**Usage**

```
<x509-crl-information>
  <crl-number>
    crl-number
  </crl-number>
  <crl-revocation-list>....</crl-revocation-list>
  <crl-validity>....</crl-validity>
  <crl-version>
    crl-version
  </crl-version>
  <crl-issuer>
    crl-issuer
  </crl-issuer>
  <identifier>
    identifier
  </identifier>
  <crl-issuer-alternate-subject-list>....</crl-issuer-alternate-subject-list>
  <crl-issuer-detail>....</crl-issuer-detail>
</x509-crl-information>
```

**Description** Detailed information about X.509 certificate revocation list

---

## Summary of Junos CLI Administration Tags

### <archived-directory-list>

**Usage**

```
<snapshot-information>
  <archived-directory-list>
    <directory-name>
      directory-name
    </directory-name>
  </archived-directory-list>
</snapshot-information>
```

**Description**

## <authorization-information>

### Usage

```
<authorization-information>
  <user-information>....</user-information>
  <user-permission-list>....</user-permission-list>
  <command-authorization>....</command-authorization>
</authorization-information>
```

**Description** Show user authorization

## <checksum-information>

### Usage

```
<checksum-information>
  <file-checksum>....</file-checksum>
</checksum-information>
```

**Description**

## <choice>

### Usage

```
<node-information>
  <choices>
    <choice>
      <id>
        id
      </id>
      <help>
        help
      </help>
    </choice>
  </choices>
</node-information>
```

**Description**

## <choices>

### Usage

```
<node-information>
  <choices>
    <choice>....</choice>
    <default>
      default
    </default>
  </choices>
</node-information>
```

**Description****<clear-security-alarm-results>****Usage**

```
<clear-security-alarm-results>
  <security-alarms-disabled>
    security-alarms-disabled
  </security-alarms-disabled>
  <no-security-alarms-active>
    no-security-alarms-active
  </no-security-alarms-active>
  <no-security-alarms-cleared>
    no-security-alarms-cleared
  </no-security-alarms-cleared>
  <clear-security-alarm-result>
    clear-security-alarm-result
  </clear-security-alarm-result>
</clear-security-alarm-results>
```

**Description** Results of a clear security alarms command

**<clear-security-log-results>****Usage**

```
<clear-security-log-results>
  <security-logs-disabled>
    security-logs-disabled
  </security-logs-disabled>
  <no-security-events-active>....</no-security-events-active>
  <no-security-events-cleared>
    no-security-events-cleared
  </no-security-events-cleared>
  <clear-security-log-result>
    clear-security-log-result
  </clear-security-log-result>
</clear-security-log-results>
```

**Description** Results of a clear security log command

**<clear-system-login-lockout>****Usage**

```
<clear-system-login-lockout>
  <no-login-lockout>
    no-login-lockout
  </no-login-lockout>
  <no-login-lockout-user>
    no-login-lockout-user
  </no-login-lockout-user>
</clear-system-login-lockout>
```

**Description** Results of a clear system login lockout command

### <command-authorization>

#### Usage

```
<authorization-information>
  <command-authorization>
    <allow-command>
      allow-command
    </allow-command>
    <deny-command>
      deny-command
    </deny-command>
    <allow-config>
      allow-config
    </allow-config>
    <deny-config>
      deny-config
    </deny-config>
  </command-authorization>
</authorization-information>
```

#### Description

### <commit-history>

#### Usage

```
<commit-history>
  <sequence-number>
    sequence-number
  </sequence-number>
  <user>
    user
  </user>
  <date-time>
    date-time
  </date-time>
  <client>
    client
  </client>
  <comment>
    comment
  </comment>
  <log>
    log
  </log>
</commit-history>
```

#### Description

## <commit-history>

### Usage

```
<commit-information>
  <commit-history>
    <sequence-number>
      sequence-number
    </sequence-number>
    <user>
      user
    </user>
    <date-time>
      date-time
    </date-time>
    <client>
      client
    </client>
    <comment>
      comment
    </comment>
    <log>
      log
    </log>
  </commit-history>
</commit-information>
```

### Description

## <commit-information>

### Usage

```
<commit-information>
  <pending-commit>....</pending-commit>
  <commit-history>....</commit-history>
  <rescue-configuration>....</rescue-configuration>
</commit-information>
```

### Description

## <commit-results>

### Usage

```
<commit-results>
  <routing-engine>....</routing-engine>
</commit-results>
```

### Description

## <configuration>

### Usage

```
<configuration>
```

</configuration>

#### Description

<configuration-set>

#### Usage

```
<configuration-set>
</configuration-set>
```

#### Description

<core-information>

#### Usage

```
<core-information>
  <core-filename>
    core-filename
  </core-filename>
  <process-name>
    process-name
  </process-name>
  <signal-number>
    signal-number
  </signal-number>
  <signal-description>
    signal-description
  </signal-description>
  <stack-trace>
    stack-trace
  </stack-trace>
  <build-server>
    build-server
  </build-server>
  <build-date>
    build-date
  </build-date>
  <release>
    release
  </release>
  <binary-path>
    binary-path
  </binary-path>
  <binary-details>
    binary-details
  </binary-details>
</core-information>
```

#### Description

### <current-time>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-uptime-information>
      <current-time>
        <date-time>
          date-time
        </date-time>
      </current-time>
    </system-uptime-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description**    Current time

### <current-time>

#### Usage

```
<system-uptime-information>
  <current-time>
    <date-time>
      date-time
    </date-time>
  </current-time>
</system-uptime-information>
```

**Description**    Current time

### <database-status>

#### Usage

```
<database-status-information>
  <database-status>
    <user>
      user
    </user>
    <terminal>
      terminal
    </terminal>
    <pid>
      pid
    </pid>
    <start-time>
      start-time
    </start-time>
    <idle-time>
      idle-time
    </idle-time>
    <commit-at>
      commit-at
    </commit-at>
  </database-status>
</database-status-information>
```



```

</commit-at>
<commit-script-running>
  commit-script-running
</commit-script-running>
<exclusive>
  exclusive
</exclusive>
<edit-path>
  edit-path
</edit-path>
</database-status>
</database-status-information>

```

## Description

### <database-status>

## Usage

```

<xnm:error>
  <database-status-information>
    <database-status>
      <user>
        user
      </user>
      <terminal>
        terminal
      </terminal>
      <pid>
        pid
      </pid>
      <start-time>
        start-time
      </start-time>
      <idle-time>
        idle-time
      </idle-time>
      <commit-at>
        commit-at
      </commit-at>
      <commit-script-running>
        commit-script-running
      </commit-script-running>
      <exclusive>
        exclusive
      </exclusive>
      <edit-path>
        edit-path
      </edit-path>
    </database-status>
  </database-status-information>
</xnm:error>

```

## Description

**<database-status-information>****Usage**

```
<database-status-information>
  <database-status>....</database-status>
</database-status-information>
```

**Description****<database-status-information>****Usage**

```
<xnm:error>
  <database-status-information>
    <database-status>....</database-status>
  </database-status-information>
</xnm:error>
```

**Description****<directory>****Usage**

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <directory-usage-information>
      <directory>
        <directory-name>
          directory-name
        </directory-name>
        <total-file-blocks>
          total-file-blocks
        </total-file-blocks>
        <file-information>....</file-information>
        <used-space>
          used-space
        </used-space>
      </directory>
    </directory-usage-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description** Information about system directory usage

**<directory>****Usage**

```
<directory-list>
  <directory>
    <directory-name>
      directory-name
    </directory-name>
```

```
<total-file-blocks>
  total-file-blocks
</total-file-blocks>
<file-information>....</file-information>
<used-space>
  used-space
</used-space>
</directory>
</directory-list>
```

**Description** Information about system directory usage

### <directory>

#### Usage

```
<directory-usage-information>
<directory>
  <directory-name>
    directory-name
  </directory-name>
  <total-file-blocks>
    total-file-blocks
  </total-file-blocks>
  <file-information>....</file-information>
  <used-space>
    used-space
  </used-space>
</directory>
</directory-usage-information>
```

**Description** Information about system directory usage

### <directory-list>

#### Usage

```
<directory-list>
<directory>....</directory>
</directory-list>
```

**Description** Show directory contents

### <directory-usage-information>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <directory-usage-information>
      <directory>....</directory>
    </directory-usage-information>
  </multi-routing-engine-item>
```

</multi-routing-engine-results>

#### Description

### <directory-usage-information>

#### Usage

```
<directory-usage-information>
  <directory>.....</directory>
</directory-usage-information>
```

#### Description

### <dre-inventory>

#### Usage

```
<dre-inventory>
  <dre-inventory-title>
    dre-inventory-title
  </dre-inventory-title>
  <dre-inventory-header-uuid>
    dre-inventory-header-uuid
  </dre-inventory-header-uuid>
  <dre-inventory-header-model>
    dre-inventory-header-model
  </dre-inventory-header-model>
  <dre-inventory-header-type>
    dre-inventory-header-type
  </dre-inventory-header-type>
  <dre-inventory-header-role>
    dre-inventory-header-role
  </dre-inventory-header-role>
  <dre-inventory-header>
    dre-inventory-header
  </dre-inventory-header>
  <dre-inventory-entry-uuid>
    dre-inventory-entry-uuid
  </dre-inventory-entry-uuid>
  <dre-inventory-entry-model>
    dre-inventory-entry-model
  </dre-inventory-entry-model>
  <dre-inventory-entry-type>
    dre-inventory-entry-type
  </dre-inventory-entry-type>
  <dre-inventory-entry-role>
    dre-inventory-entry-role
  </dre-inventory-entry-role>
  <dre-inventory-entry>
    dre-inventory-entry
  </dre-inventory-entry>
  <dre-inventory-entry-ipaddr-header>
    dre-inventory-entry-ipaddr-header
  </dre-inventory-entry-ipaddr-header>
  <dre-inventory-entry-ipaddr-value>
```

```
dre-inventory-entry-ipaddr-value
</dre-inventory-entry-ipaddr-value>
<dre-inventory-entry-ipaddr>
  dre-inventory-entry-ipaddr
</dre-inventory-entry-ipaddr>
<dre-inventory-entry-conn-header>
  dre-inventory-entry-conn-header
</dre-inventory-entry-conn-header>
<dre-inventory-entry-conn-value>
  dre-inventory-entry-conn-value
</dre-inventory-entry-conn-value>
<dre-inventory-entry-conn>
  dre-inventory-entry-conn
</dre-inventory-entry-conn>
<dre-inventory-entry-hostname-header>
  dre-inventory-entry-hostname-header
</dre-inventory-entry-hostname-header>
<dre-inventory-entry-hostname-value>
  dre-inventory-entry-hostname-value
</dre-inventory-entry-hostname-value>
<dre-inventory-entry-version-header>
  dre-inventory-entry-version-header
</dre-inventory-entry-version-header>
<dre-inventory-entry-version-value>
  dre-inventory-entry-version-value
</dre-inventory-entry-version-value>
<dre-inventory-entry-fabricids-header>
  dre-inventory-entry-fabricids-header
</dre-inventory-entry-fabricids-header>
<dre-inventory-entry-fabricids-value>
  dre-inventory-entry-fabricids-value
</dre-inventory-entry-fabricids-value>
<dre-inventory-entry-mode-header>
  dre-inventory-entry-mode-header
</dre-inventory-entry-mode-header>
<dre-inventory-entry-mode-value>
  dre-inventory-entry-mode-value
</dre-inventory-entry-mode-value>
<dre-inventory-entry-devid-header>
  dre-inventory-entry-devid-header
</dre-inventory-entry-devid-header>
<dre-inventory-entry-devid-value>
  dre-inventory-entry-devid-value
</dre-inventory-entry-devid-value>
<dre-inventory-entry-ineid-header>
  dre-inventory-entry-ineid-header
</dre-inventory-entry-ineid-header>
<dre-inventory-entry-ineid-value>
  dre-inventory-entry-ineid-value
</dre-inventory-entry-ineid-value>
<dre-inventory-entry-memid-header>
  dre-inventory-entry-memid-header
</dre-inventory-entry-memid-header>
<dre-inventory-entry-memid-value>
  dre-inventory-entry-memid-value
</dre-inventory-entry-memid-value>
```

</dre-inventory>

## Description

<dre-repository>

## Usage

```
<dre-repository>
  <dre-repository-title>
    dre-repository-title
  </dre-repository-title>
  <dre-repository-header>
    dre-repository-header
  </dre-repository-header>
  <dre-repository-header-name>
    dre-repository-header-name
  </dre-repository-header-name>
  <dre-repository-header-count>
    dre-repository-header-count
  </dre-repository-header-count>
  <dre-repository-header-model>
    dre-repository-header-model
  </dre-repository-header-model>
  <dre-repository-header-usage>
    dre-repository-header-usage
  </dre-repository-header-usage>
  <dre-repository-entry>
    dre-repository-entry
  </dre-repository-entry>
  <dre-repository-entry-name>
    dre-repository-entry-name
  </dre-repository-entry-name>
  <dre-repository-entry-count>
    dre-repository-entry-count
  </dre-repository-entry-count>
  <dre-repository-entry-model>
    dre-repository-entry-model
  </dre-repository-entry-model>
  <dre-repository-entry-usage>
    dre-repository-entry-usage
  </dre-repository-entry-usage>
  <dre-repository-footer>
    dre-repository-footer
  </dre-repository-footer>
  <dre-repository-footer-string>
    dre-repository-footer-string
  </dre-repository-footer-string>
  <dre-repository-footer-value>
    dre-repository-footer-value
  </dre-repository-footer-value>
  <dre-repository-component-title>
    dre-repository-component-title
  </dre-repository-component-title>
  <dre-repository-component-header>
    dre-repository-component-header
```

```

</dre-repository-component-header>
<dre-repository-component-header-name>
  dre-repository-component-header-name
</dre-repository-component-header-name>
<dre-repository-component-header-date>
  dre-repository-component-header-date
</dre-repository-component-header-date>
<dre-repository-component-header-size>
  dre-repository-component-header-size
</dre-repository-component-header-size>
<dre-repository-component-footer>
  dre-repository-component-footer
</dre-repository-component-footer>
<dre-repository-component-name>
  dre-repository-component-name
</dre-repository-component-name>
<dre-repository-component-dbgart-entry>
  dre-repository-component-dbgart-entry
</dre-repository-component-dbgart-entry>
<dre-repository-component-dbgart-entry-name>
  dre-repository-component-dbgart-entry-name
</dre-repository-component-dbgart-entry-name>
<dre-repository-component-dbgart-entry-date>
  dre-repository-component-dbgart-entry-date
</dre-repository-component-dbgart-entry-date>
<dre-repository-component-dbgart-entry-size>
  dre-repository-component-dbgart-entry-size
</dre-repository-component-dbgart-entry-size>
<dre-log-information>
  dre-log-information
</dre-log-information>
</dre-repository>

```

#### Description

### <dre-repository-content>

#### Usage

```

<system-storage-cleanup-information>
  <dre-repository-content>
    <dre-repository-content-header>
      dre-repository-content-header
    </dre-repository-content-header>
    <dre-repository-content-entry>
      dre-repository-content-entry
    </dre-repository-content-entry>
    <dre-repository-content-footer>
      dre-repository-content-footer
    </dre-repository-content-footer>
  </dre-repository-content>
</system-storage-cleanup-information>

```

#### Description

**<error>****Usage**

```
<error>
  <parse>
    parse
  </parse>
  <source-daemon>
    source-daemon
  </source-daemon>
  <filename>
    filename
  </filename>
  <line-number>
    line-number
  </line-number>
  <column>
    column
  </column>
  <token>
    token
  </token>
  <edit-path>
    edit-path
  </edit-path>
  <statement>
    statement
  </statement>
  <message>
    message
  </message>
</error>
```

**Description****<error-info>****Usage**

```
<rpc-error>
  <error-info>
    <bad-attribute>
      bad-attribute
    </bad-attribute>
    <bad-element>
      bad-element
    </bad-element>
  </error-info>
</rpc-error>
```

**Description**



## <facility-tag>

### Usage

```
<facility-tag-list>
  <facility-tag>
    <name>
      name
    </name>
    <help>
      help
    </help>
  </facility-tag>
</facility-tag-list>
```

### Description

## <facility-tag-list>

### Usage

```
<facility-tag-list>
  <facility-tag>....</facility-tag>
</facility-tag-list>
```

**Description** List of facility tags

## <file-checksum>

### Usage

```
<checksum-information>
  <file-checksum>
    <input-file>
      input-file
    </input-file>
    <computation-method>
      computation-method
    </computation-method>
    <checksum>
      checksum
    </checksum>
  </file-checksum>
</checksum-information>
```

**Description** Checksum information for a file

## <file-get>

### Usage

```
<file-get>
  <filename>
    filename
  </filename>
```

```
<encoding>
  encoding
</encoding>
</file-get>
```

#### Description

### <file-get-results>

#### Usage

```
<file-get-results>
  <success>
    success
  </success>
  <file-contents>
    file-contents
  </file-contents>
</file-get-results>
```

#### Description

### <file-information>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <directory-usage-information>
      <directory>
        <file-information>
          <file-permissions>
            file-permissions
          </file-permissions>
          <file-links>
            file-links
          </file-links>
          <file-owner>
            file-owner
          </file-owner>
          <file-group>
            file-group
          </file-group>
          <file-size>
            file-size
          </file-size>
          <file-date>
            file-date
          </file-date>
          <file-name>
            file-name
          </file-name>
          <file-executable>
            file-executable
          </file-executable>
        </file-information>
      </directory>
    </directory-usage-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

```

        file-directory
      </file-directory>
    <file-symlink>
      file-symlink
    </file-symlink>
    <file-symlink-target>
      file-symlink-target
    </file-symlink-target>
  </file-information>
</directory>
</directory-usage-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

### <file-information>

#### Usage

```

<directory-list>
<directory>
  <file-information>
    <file-permissions>
      file-permissions
    </file-permissions>
    <file-links>
      file-links
    </file-links>
    <file-owner>
      file-owner
    </file-owner>
    <file-group>
      file-group
    </file-group>
    <file-size>
      file-size
    </file-size>
    <file-date>
      file-date
    </file-date>
    <file-name>
      file-name
    </file-name>
    <file-executable>
      file-executable
    </file-executable>
    <file-directory>
      file-directory
    </file-directory>
    <file-symlink>
      file-symlink
    </file-symlink>
    <file-symlink-target>
      file-symlink-target
    </file-symlink-target>
  
```

```
</file-information>
</directory>
</directory-list>
```

## Description

### <file-information>

#### Usage

```
<directory-usage-information>
<directory>
  <file-information>
    <file-permissions>
      file-permissions
    </file-permissions>
    <file-links>
      file-links
    </file-links>
    <file-owner>
      file-owner
    </file-owner>
    <file-group>
      file-group
    </file-group>
    <file-size>
      file-size
    </file-size>
    <file-date>
      file-date
    </file-date>
    <file-name>
      file-name
    </file-name>
    <file-executable>
      file-executable
    </file-executable>
    <file-directory>
      file-directory
    </file-directory>
    <file-symlink>
      file-symlink
    </file-symlink>
    <file-symlink-target>
      file-symlink-target
    </file-symlink-target>
  </file-information>
</directory>
</directory-usage-information>
```

## Description

## <file-list>

### Usage

```

<system-storage-cleanup-information>
  <file-list>
    <file>....</file>
  </file-list>
</system-storage-cleanup-information>

```

### Description

## <file-put-results>

### Usage

```

<file-put-results>
  <success>
    success
  </success>
  <filename>
    filename
  </filename>
</file-put-results>

```

### Description

## <filesystem>

### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-storage-information>
      <filesystem>
        <filesystem-name>
          filesystem-name
        </filesystem-name>
        <total-blocks>
          total-blocks
        </total-blocks>
        <used-blocks>
          used-blocks
        </used-blocks>
        <available-blocks>
          available-blocks
        </available-blocks>
        <used-percent>
          used-percent
        </used-percent>
        <mounted-on>
          mounted-on
        </mounted-on>
      </filesystem>
    </system-storage-information>
  </multi-routing-engine-item>

```

</multi-routing-engine-results>

**Description** Information about system storage

### <filesystem>

#### Usage

```
<system-storage-information>
  <filesystem>
    <filesystem-name>
      filesystem-name
    </filesystem-name>
    <total-blocks>
      total-blocks
    </total-blocks>
    <used-blocks>
      used-blocks
    </used-blocks>
    <available-blocks>
      available-blocks
    </available-blocks>
    <used-percent>
      used-percent
    </used-percent>
    <mounted-on>
      mounted-on
    </mounted-on>
  </filesystem>
</system-storage-information>
```

**Description** Information about system storage

### <host-name-entry>

#### Usage

```
<host-name-list>
  <host-name-entry>
    <host>
      host
    </host>
    <ip-address-list>....</ip-address-list>
    <resolution-error>
      resolution-error
    </resolution-error>
    <last-change>
      last-change
    </last-change>
  </host-name-entry>
</host-name-list>
```

**Description** Hostname entry

### <host-name-entry>

#### Usage

```
<name-resolution-info>
  <host-name-list>
    <host-name-entry>
      <host>
        host
      </host>
      <ip-address-list>....</ip-address-list>
      <resolution-error>
        resolution-error
      </resolution-error>
      <last-change>
        last-change
      </last-change>
    </host-name-entry>
  </host-name-list>
</name-resolution-info>
```

**Description**    Hostname entry

### <host-name-list>

#### Usage

```
<host-name-list>
  <host-name-entry>....</host-name-entry>
</host-name-list>
```

**Description**

### <host-name-list>

#### Usage

```
<name-resolution-info>
  <host-name-list>
    <host-name-entry>....</host-name-entry>
  </host-name-list>
</name-resolution-info>
```

**Description**

### <inform>

#### Usage

```
<inform>
  <message>
    message
  </message>
  <source-daemon>
    source-daemon
  </source-daemon>
```

</inform>

Description

<inform>

Usage

```
<snapshot-information>
  <inform>
    <message>
      message
    </message>
    <source-daemon>
      source-daemon
    </source-daemon>
  </inform>
</snapshot-information>
```

Description

<ip-address-list>

Usage

```
<host-name-list>
  <host-name-entry>
    <ip-address-list>
      <ip-address>
        ip-address
      </ip-address>
    </ip-address-list>
  </host-name-entry>
</host-name-list>
```

Description List of IP addresses

<ip-address-list>

Usage

```
<name-resolution-info>
  <host-name-list>
    <host-name-entry>
      <ip-address-list>
        <ip-address>
          ip-address
        </ip-address>
      </ip-address-list>
    </host-name-entry>
  </host-name-list>
</name-resolution-info>
```

Description List of IP addresses



## <last-configured-time>

### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-uptime-information>
      <last-configured-time>
        <date-time>
          date-time
        </date-time>
        <time-length>
          time-length
        </time-length>
        <user>
          user
        </user>
      </last-configured-time>
    </system-uptime-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description** Last configured time

## <last-configured-time>

### Usage

```

<system-uptime-information>
  <last-configured-time>
    <date-time>
      date-time
    </date-time>
    <time-length>
      time-length
    </time-length>
    <user>
      user
    </user>
  </last-configured-time>
</system-uptime-information>

```

**Description** Last configured time

## <load-configuration-results>

### Usage

```

<load-configuration-results>
  <load-error-count>
    load-error-count
  </load-error-count>
  <load-success>
    load-success
  </load-success>

```

```
<diff-error-count>
  diff-error-count
</diff-error-count>
<rollback-success>
  rollback-success
</rollback-success>
</load-configuration-results>
```

#### Description

### <load-configuration-results>

#### Usage

```
<rollback-information>
  <load-configuration-results>
    <load-error-count>
      load-error-count
    </load-error-count>
    <load-success>
      load-success
    </load-success>
    <diff-error-count>
      diff-error-count
    </diff-error-count>
    <rollback-success>
      rollback-success
    </rollback-success>
  </load-configuration-results>
</rollback-information>
```

#### Description

### <load-configuration-results>

#### Usage

```
<rescue-information>
  <load-configuration-results>
    <load-error-count>
      load-error-count
    </load-error-count>
    <load-success>
      load-success
    </load-success>
    <diff-error-count>
      diff-error-count
    </diff-error-count>
    <rollback-success>
      rollback-success
    </rollback-success>
  </load-configuration-results>
</rescue-information>
```

#### Description

### <login-lockout-user-entry>

#### Usage

```

<system-login-lockout-information>
  <login-lockout-users-table>
    <login-lockout-user-entry>
      <login-lockout-user>
        login-lockout-user
      </login-lockout-user>
      <login-lockout-start-time>
        login-lockout-start-time
      </login-lockout-start-time>
      <login-lockout-end-time>
        login-lockout-end-time
      </login-lockout-end-time>
    </login-lockout-user-entry>
  </login-lockout-users-table>
</system-login-lockout-information>

```

**Description** Login lockout information for a user

### <login-lockout-users-table>

#### Usage

```

<system-login-lockout-information>
  <login-lockout-users-table>
    <login-lockout-user-entry>....</login-lockout-user-entry>
  </login-lockout-users-table>
</system-login-lockout-information>

```

**Description**

### <logout-user>

#### Usage

```

<logout-user>
  <logout-user-message>
    logout-user-message
  </logout-user-message>
</logout-user>

```

**Description**

### <multi-kmd-result>

#### Usage

```

<multi-kmd-result>
  <kmd-name>
    kmd-name
  </kmd-name>
</multi-kmd-result>

```

**Description****<multi-routing-engine-item>****Usage**

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <re-name>
      re-name
    </re-name>
    <directory-usage-information>....</directory-usage-information>
    <output>
      output
    </output>
    <software-information>....</software-information>
    <system-storage-information>....</system-storage-information>
    <system-users-information>....</system-users-information>
    <system-uptime-information>....</system-uptime-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description****<multi-routing-engine-results>****Usage**

```
<multi-routing-engine-results>
  <multi-routing-engine-item>....</multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description****<name-resolution-info>****Usage**

```
<name-resolution-info>
  <last-update>
    last-update
  </last-update>
  <refresh-interval>
    refresh-interval
  </refresh-interval>
  <host-name-list>....</host-name-list>
</name-resolution-info>
```

**Description**    Show hostname resolution information

**<no-security-events-active>****Usage**

```
<clear-security-log-results>
  <no-security-events-active>
</no-security-events-active>
```

```
</clear-security-log-results>
```

#### Description

```
<node-information>
```

#### Usage

```
<node-information>
  <path>
    path
  </path>
  <help>
    help
  </help>
  <type>
    type
  </type>
  <units>
    units
  </units>
  <range-low>
    range-low
  </range-low>
  <range-high>
    range-high
  </range-high>
  <allow-no>
    allow-no
  </allow-no>
  <choices>....</choices>
</node-information>
```

#### Description

```
<package>
```

#### Usage

```
<snapshot-information>
  <software-version>
    <package>
      <package-name>
        package-name
      </package-name>
      <package-version>
        package-version
      </package-version>
    </package>
  </software-version>
</snapshot-information>
```

**Description**    Package in software snapshot

## <package-backup>

### Usage

```
<package-backup-information>
  <package-backup>
    <file-name>
      file-name
    </file-name>
    <file-size>
      file-size
    </file-size>
  </package-backup>
</package-backup-information>
```

### Description

## <package-backup-information>

### Usage

```
<package-backup-information>
  <package-backup>....</package-backup>
</package-backup-information>
```

### Description

## <package-information>

### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <software-information>
      <package-information>
        <name>
          name
        </name>
        <comment>
          comment
        </comment>
        <version>
          version
        </version>
      </package-information>
    </software-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

### Description

## <package-information>

### Usage

```
<package-information>
```

```
<name>
  name
</name>
<comment>
  comment
</comment>
<version>
  version
</version>
</package-information>
```

#### Description

**<package-information>**

#### Usage

```
<system-information>
  <package-information>
    <name>
      name
    </name>
    <comment>
      comment
    </comment>
    <version>
      version
    </version>
  </package-information>
</system-information>
```

#### Description

**<package-information>**

#### Usage

```
<software-information>
  <package-information>
    <name>
      name
    </name>
    <comment>
      comment
    </comment>
    <version>
      version
    </version>
  </package-information>
</software-information>
```

#### Description

## <partition-information>

### Usage

```
<snapshot-information>
  <snapshot-partitions>
    <partition-information>
      <partition>
        partition
      </partition>
      <mount-point>
        mount-point
      </mount-point>
      <partition-size>
        partition-size
      </partition-size>
      <snapshot-argument>
        snapshot-argument
      </snapshot-argument>
    </partition-information>
  </snapshot-partitions>
</snapshot-information>
```

**Description** Partition information

## <partitions>

### Usage

```
<system-storage-partitions-information>
  <partitions>
    <boot-media-name>
      boot-media-name
    </boot-media-name>
    <boot-media>
      boot-media
    </boot-media>
    <active-partition>
      active-partition
    </active-partition>
    <backup-partition>
      backup-partition
    </backup-partition>
    <boot-partition>
      boot-partition
    </boot-partition>
    <booted-from>
      booted-from
    </booted-from>
  </partitions>
</system-storage-partitions-information>
```

**Description** Information about partitions on the system



## <pending-commit>

### Usage

```
<commit-information>
  <pending-commit>
    <user>
      user
    </user>
    <client>
      client
    </client>
    <date-time>
      date-time
    </date-time>
    <log>
      log
    </log>
  </pending-commit>
</commit-information>
```

### Description

## <process>

### Usage

```
<process>
  <name>
    name
  </name>
  <pid>
    pid
  </pid>
</process>
```

**Description**    Process that generated the event

## <process>

### Usage

```
<security-alarm-information>
  <security-alarm>
    <process>
      <name>
        name
      </name>
      <pid>
        pid
      </pid>
    </process>
  </security-alarm>
</security-alarm-information>
```

**Description** Process that generated the event

### <process>

**Usage**

```
<security-log-information>
  <security-event>
    <process>
      <name>
        name
      </name>
      <pid>
        pid
      </pid>
    </process>
  </security-event>
</security-log-information>
```

**Description** Process that generated the event

### <process-entry>

**Usage**

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-users-information>
      <uptime-information>
        <user-table>
          <process-table>
            <process-entry>
              <process-id>
                process-id
              </process-id>
              <command>
                command
              </command>
            </process-entry>
          </process-table>
        </user-table>
      </uptime-information>
    </system-users-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description**

### <process-entry>

**Usage**

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-uptime-information>
      <uptime-information>
```

```

<user-table>
  <process-table>
    <process-entry>
      <process-id>
        process-id
      </process-id>
      <command>
        command
      </command>
    </process-entry>
  </process-table>
</user-table>
</uptime-information>
</system-uptime-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description****<process-entry>****Usage**

```

<uptime-information>
  <user-table>
    <process-table>
      <process-entry>
        <process-id>
          process-id
        </process-id>
        <command>
          command
        </command>
      </process-entry>
    </process-table>
  </user-table>
</uptime-information>

```

**Description****<process-entry>****Usage**

```

<system-uptime-information>
  <uptime-information>
    <user-table>
      <process-table>
        <process-entry>
          <process-id>
            process-id
          </process-id>
          <command>
            command
          </command>
        </process-entry>

```

```
</process-table>
</user-table>
</uptime-information>
</system-uptime-information>
```

**Description****<process-entry>****Usage**

```
<system-users-information>
  <uptime-information>
    <user-table>
      <process-table>
        <process-entry>
          <process-id>
            process-id
          </process-id>
          <command>
            command
          </command>
        </process-entry>
      </process-table>
    </user-table>
  </uptime-information>
</system-users-information>
```

**Description****<process-table>****Usage**

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-users-information>
      <uptime-information>
        <user-table>
          <process-table>
            <process-entry>....</process-entry>
          </process-table>
        </user-table>
      </uptime-information>
    </system-users-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description****<process-table>****Usage**

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
```

```

<system-uptime-information>
  <uptime-information>
    <user-table>
      <process-table>
        <process-entry>....</process-entry>
      </process-table>
    </user-table>
  </uptime-information>
</system-uptime-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description****<process-table>****Usage**

```

<uptime-information>
  <user-table>
    <process-table>
      <process-entry>....</process-entry>
    </process-table>
  </user-table>
</uptime-information>

```

**Description****<process-table>****Usage**

```

<system-uptime-information>
  <uptime-information>
    <user-table>
      <process-table>
        <process-entry>....</process-entry>
      </process-table>
    </user-table>
  </uptime-information>
</system-uptime-information>

```

**Description****<process-table>****Usage**

```

<system-users-information>
  <uptime-information>
    <user-table>
      <process-table>
        <process-entry>....</process-entry>
      </process-table>
    </user-table>
  </uptime-information>

```

</system-users-information>

#### Description

### <progress-indicator>

#### Usage

```
<progress-indicator>
  <timestamp>
    timestamp
  </timestamp>
  <percent-complete>
    percent-complete
  </percent-complete>
  <message>
    message
  </message>
</progress-indicator>
```

#### Description

### <protocols-started-time>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-uptime-information>
      <protocols-started-time>
        <date-time>
          date-time
        </date-time>
        <time-length>
          time-length
        </time-length>
      </protocols-started-time>
    </system-uptime-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description**    Protocols started time

### <protocols-started-time>

#### Usage

```
<system-uptime-information>
  <protocols-started-time>
    <date-time>
      date-time
    </date-time>
    <time-length>
      time-length
    </time-length>
```

```

    </protocols-started-time>
  </system-uptime-information>

```

**Description** Protocols started time

## <pull-configuration-results>

### Usage

```

<pull-configuration-results>
  <filename>
    filename
  </filename>
  <pull-configuration-success>
    pull-configuration-success
  </pull-configuration-success>
</pull-configuration-results>

```

### Description

## <reason>

### Usage

```

<reason>
  <daemon>
    daemon
  </daemon>
  <process-not-configured>
    process-not-configured
  </process-not-configured>
  <process-disabled>
    process-disabled
  </process-disabled>
  <process-not-running>
    process-not-running
  </process-not-running>
</reason>

```

### Description

## <reason>

### Usage

```

<xnm:error>
  <reason>
    <daemon>
      daemon
    </daemon>
    <process-not-configured>
      process-not-configured
    </process-not-configured>
    <process-disabled>
      process-disabled

```

```
</process-disabled>
<process-not-running>
  process-not-running
</process-not-running>
</reason>
</xnm:error>
```

#### Description

<reason>

#### Usage

```
<xnm:warning>
  <reason>
    <daemon>
      daemon
    </daemon>
    <process-not-configured>
      process-not-configured
    </process-not-configured>
    <process-disabled>
      process-disabled
    </process-disabled>
    <process-not-running>
      process-not-running
    </process-not-running>
  </reason>
</xnm:warning>
```

#### Description

<rescue-configuration>

#### Usage

```
<commit-information>
  <rescue-configuration>
    <user>
      user
    </user>
    <client>
      client
    </client>
    <date-time>
      date-time
    </date-time>
    <comment>
      comment
    </comment>
    <log>
      log
    </log>
  </rescue-configuration>
</commit-information>
```



**Description****<rescue-information>****Usage**

```
<rescue-information>
  <load-configuration-results>....</load-configuration-results>
  <configuration-information>....</configuration-information>
</rescue-information>
```

**Description****<rescue-management-results>****Usage**

```
<rescue-management-results>
  <routing-engine>....</routing-engine>
</rescue-management-results>
```

**Description****<reverse-connection>****Usage**

```
<system-services-reverse-information>
  <reverse-connection>
    <reverse-since>
      reverse-since
    </reverse-since>
    <reverse-method>
      reverse-method
    </reverse-method>
  </reverse-connection>
</system-services-reverse-information>
```

**Description****<rollback-information>****Usage**

```
<rollback-information>
  <load-configuration-results>....</load-configuration-results>
  <configuration-information>....</configuration-information>
</rollback-information>
```

**Description****<routing-engine>****Usage**

```
<rescue-management-results>
  <routing-engine>
```

```
<name>
  name
</name>
<success>
  success
</success>
<commit-check-success>
  commit-check-success
</commit-check-success>
<commit-success>
  commit-success
</commit-success>
</routing-engine>
</rescue-management-results>
```

#### Description

### <routing-engine>

#### Usage

```
<commit-results>
  <routing-engine>
    <name>
      name
    </name>
    <success>
      success
    </success>
    <commit-check-success>
      commit-check-success
    </commit-check-success>
    <commit-success>
      commit-success
    </commit-success>
  </routing-engine>
</commit-results>
```

#### Description

### <rpc-error>

#### Usage

```
<rpc-error>
  <error-type>
    error-type
  </error-type>
  <error-tag>
    error-tag
  </error-tag>
  <error-severity>
    error-severity
  </error-severity>
  <error-path>
    error-path
```

```

</error-path>
<error-message>
  error-message
</error-message>
<error-info>....</error-info>
</rpc-error>

```

**Description****<rpc-reply>****Usage**

```

<rpc-reply>
<ok>
  ok
</ok>
<expand-list>....</expand-list>
<configuration-information>....</configuration-information>
<event-scripts-reload>....</event-scripts-reload>
<pipe>....</pipe>
<run-command>....</run-command>
<file-command>....</file-command>
<errmsg-documentation>....</errmsg-documentation>
<echo>
  echo
</echo>
</rpc-reply>

```

**Description****<sdk-version>****Usage**

```

<sdk-version>
<major>
  major
</major>
<minor>
  minor
</minor>
</sdk-version>

```

**Description** Junos accepted SDK version

**<security-alarm>****Usage**

```

<security-alarm-information>
<security-alarm>
  <security-alarm-id>
    security-alarm-id
  </security-alarm-id>

```

```
<security-alarm-time>
  security-alarm-time
</security-alarm-time>
<security-alarm-type>
  security-alarm-type
</security-alarm-type>
<security-alarm-message>
  security-alarm-message
</security-alarm-message>
<process>....</process>
<severity>
  severity
</severity>
</security-alarm>
</security-alarm-information>
```

**Description** Detailed information about an active security alarm

### <security-alarm-information>

#### Usage

```
<security-alarm-information>
<security-alarms-disabled>
  security-alarms-disabled
</security-alarms-disabled>
<no-security-alarms-active>
  no-security-alarms-active
</no-security-alarms-active>
<no-security-alarms-returned>
  no-security-alarms-returned
</no-security-alarms-returned>
<security-alarm>....</security-alarm>
</security-alarm-information>
```

**Description** Information about all active security alarms

### <security-event>

#### Usage

```
<security-log-information>
<security-event>
<security-event-id>
  security-event-id
</security-event-id>
<security-event-time>
  security-event-time
</security-event-time>
<security-event-message>
  security-event-message
</security-event-message>
<process>....</process>
<severity>
```

```

    severity
  </severity>
  <security-event-result>
    security-event-result
  </security-event-result>
  <security-event-username>
    security-event-username
  </security-event-username>
  <security-event-interface-name>
    security-event-interface-name
  </security-event-interface-name>
  <security-event-protocol>
    security-event-protocol
  </security-event-protocol>
  <security-event-destination-address>
    security-event-destination-address
  </security-event-destination-address>
  <security-event-destination-port>
    security-event-destination-port
  </security-event-destination-port>
  <security-event-source-address>
    security-event-source-address
  </security-event-source-address>
  <security-event-source-port>
    security-event-source-port
  </security-event-source-port>
</security-event>
</security-log-information>

```

**Description** Detailed information about a security event

## <security-log-information>

### Usage

```

<security-log-information>
  <security-logs-disabled>
    security-logs-disabled
  </security-logs-disabled>
  <no-security-events>
    no-security-events
  </no-security-events>
  <no-security-events-returned>
    no-security-events-returned
  </no-security-events-returned>
  <security-event>....</security-event>
</security-log-information>

```

**Description** Information about all active security events

## <snapshot-copy>

### Usage

```
<snapshot-information>
  <snapshot-copy>
    <source-directory>
      source-directory
    </source-directory>
    <destination-directory>
      destination-directory
    </destination-directory>
  </snapshot-copy>
</snapshot-information>
```

### Description

## <snapshot-information>

### Usage

```
<snapshot-information>
  <inform>....</inform>
  <snapshot-copy>....</snapshot-copy>
  <archived-directory-list>....</archived-directory-list>
  <snapshot-partitions>....</snapshot-partitions>
  <snapshot-medium>
    snapshot-medium
  </snapshot-medium>
  <creation-date>
    creation-date
  </creation-date>
  <software-version>....</software-version>
</snapshot-information>
```

### Description

## <snapshot-partitions>

### Usage

```
<snapshot-information>
  <snapshot-partitions>
    <partition-information>....</partition-information>
  </snapshot-partitions>
</snapshot-information>
```

**Description**    Partitions on snapshot medium

## <software-information>

### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <software-information>
```

```

<host-name>
  host-name
</host-name>
<product-model>
  product-model
</product-model>
<product-name>
  product-name
</product-name>
<jsr>
  jsr
</jsr>
<fips>
  fips
</fips>
<package-information>....</package-information>
<version-information>....</version-information>
<haiku>....</haiku>
</software-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

### <software-information>

#### Usage

```

<software-information>
  <host-name>
    host-name
  </host-name>
  <product-model>
    product-model
  </product-model>
  <product-name>
    product-name
  </product-name>
  <jsr>
    jsr
  </jsr>
  <fips>
    fips
  </fips>
  <package-information>....</package-information>
  <version-information>....</version-information>
  <haiku>....</haiku>
</software-information>

```

#### Description

### <software-installation-status>

#### Usage

```

<software-installation-status>

```

```
<install-in-progress>
  install-in-progress
</install-in-progress>
<install-needs-reboot>
  install-needs-reboot
</install-needs-reboot>
</software-installation-status>
```

**Description** Information about the current software installation

### <software-version>

#### Usage

```
<snapshot-information>
  <software-version>
    <package>....</package>
  </software-version>
</snapshot-information>
```

**Description** Version of software snapshot

### <storage-partitions-information>

#### Usage

```
<system-storage-partitions-information>
  <storage-partitions-information>
    <partition>
      partition
    </partition>
    <partition-size>
      partition-size
    </partition-size>
    <mount-point>
      mount-point
    </mount-point>
  </storage-partitions-information>
</system-storage-partitions-information>
```

**Description** Partitions detailed information

### <syslog-events>

#### Usage

```
<syslog-events>
  <syslog>
    syslog
  </syslog>
  <data>
    data
  </data>
```



</syslog-events>

**Description** Information about one or more system log messages

## <syslog-files>

### Usage

```
<syslog-files>
  <syslog-file-name>
    syslog-file-name
  </syslog-file-name>
</syslog-files>
```

### Description

## <syslog-tag>

### Usage

```
<syslog-tag-information-list>
  <syslog-tag-information>
    <syslog-tag>
      <name>
        name
      </name>
      <message>
        message
      </message>
      <help>
        help
      </help>
      <description>
        description
      </description>
      <type>
        type
      </type>
      <severity>
        severity
      </severity>
      <facility>
        facility
      </facility>
      <deprecated>
        deprecated
      </deprecated>
      <cause>
        cause
      </cause>
      <action>
        action
      </action>
    </syslog-tag>
  </syslog-tag-information>
```

</syslog-tag-information-list>

#### Description

<syslog-tag>

#### Usage

```
<syslog-tag-list>
  <syslog-tag>
    <name>
      name
    </name>
    <message>
      message
    </message>
    <help>
      help
    </help>
    <description>
      description
    </description>
    <type>
      type
    </type>
    <severity>
      severity
    </severity>
    <facility>
      facility
    </facility>
    <deprecated>
      deprecated
    </deprecated>
    <cause>
      cause
    </cause>
    <action>
      action
    </action>
  </syslog-tag>
</syslog-tag-list>
```

#### Description

<syslog-tag-information>

#### Usage

```
<syslog-tag-information-list>
  <syslog-tag-information>
    <syslog-tag>....</syslog-tag>
  </syslog-tag-information>
</syslog-tag-information-list>
```

**Description** Syslog message help information

### <syslog-tag-information-list>

**Usage**

```
<syslog-tag-information-list>
  <syslog-tag-information>....</syslog-tag-information>
</syslog-tag-information-list>
```

**Description** List of syslog message help information

### <syslog-tag-list>

**Usage**

```
<syslog-tag-list>
  <syslog-tag>....</syslog-tag>
</syslog-tag-list>
```

**Description** List of syslog tags

### <system-booted-time>

**Usage**

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-uptime-information>
      <system-booted-time>
        <date-time>
          date-time
        </date-time>
        <time-length>
          time-length
        </time-length>
      </system-booted-time>
    </system-uptime-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description** System booted time

### <system-booted-time>

**Usage**

```
<system-uptime-information>
  <system-booted-time>
    <date-time>
      date-time
    </date-time>
    <time-length>
      time-length
    </time-length>
  </system-booted-time>
</system-uptime-information>
```

```
</time-length>
</system-booted-time>
</system-uptime-information>
```

**Description**    System booted time

## <system-information>

### Usage

```
<system-information>
  <host-name>
    host-name
  </host-name>
  <os-name>
    os-name
  </os-name>
  <hardware-model>
    hardware-model
  </hardware-model>
  <os-version>
    os-version
  </os-version>
  <serial-number>
    serial-number
  </serial-number>
  <virtual-chassis>
    virtual-chassis
  </virtual-chassis>
  <cluster-node>
    cluster-node
  </cluster-node>
  <package-information>....</package-information>
  <blade-server>
    blade-server
  </blade-server>
</system-information>
```

### Description

## <system-login-lockout-information>

### Usage

```
<system-login-lockout-information>
  <no-login-lockout>
    no-login-lockout
  </no-login-lockout>
  <no-login-lockout-user>
    no-login-lockout-user
  </no-login-lockout-user>
  <login-lockout-users-table>....</login-lockout-users-table>
</system-login-lockout-information>
```

**Description** Show users locked out from logins

### <system-services-reverse-information>

#### Usage

```
<system-services-reverse-information>
  <reverse-connection>....</reverse-connection>
</system-services-reverse-information>
```

#### Description

### <system-storage-cleanup-information>

#### Usage

```
<system-storage-cleanup-information>
  <file-list>....</file-list>
  <dre-repository-status>
    dre-repository-status
  </dre-repository-status>
  <dre-repository-content>....</dre-repository-content>
</system-storage-cleanup-information>
```

#### Description

### <system-storage-information>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-storage-information>
      <filesystem>....</filesystem>
      <device-size>
        device-size
      </device-size>
    </system-storage-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <system-storage-information>

#### Usage

```
<system-storage-information>
  <filesystem>....</filesystem>
  <device-size>
    device-size
  </device-size>
</system-storage-information>
```

#### Description

## <system-storage-partitions-information>

### Usage

```
<system-storage-partitions-information>
  <partitions>....</partitions>
</system-storage-partitions-information>
```

### Description

## <system-uptime-information>

### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-uptime-information>
      <last-configured-time>....</last-configured-time>
      <current-time>....</current-time>
      <system-booted-time>....</system-booted-time>
      <protocols-started-time>....</protocols-started-time>
      <uptime-information>....</uptime-information>
    </system-uptime-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description** System uptime information

## <system-uptime-information>

### Usage

```
<system-uptime-information>
  <last-configured-time>....</last-configured-time>
  <current-time>....</current-time>
  <system-booted-time>....</system-booted-time>
  <protocols-started-time>....</protocols-started-time>
  <uptime-information>....</uptime-information>
</system-uptime-information>
```

**Description** System uptime information

## <system-users-information>

### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-users-information>
      <uptime-information>....</uptime-information>
      <web-management-users>....</web-management-users>
    </system-users-information>
  </multi-routing-engine-item>
```

</multi-routing-engine-results>

**Description** Show system users

### <system-users-information>

#### Usage

```
<system-users-information>
  <uptime-information>....</uptime-information>
  <web-management-users>....</web-management-users>
</system-users-information>
```

**Description** Show system users

### <system-virtual-memory-information>

#### Usage

```
<system-virtual-memory-information>
  <vmstat-memstat-malloc>....</vmstat-memstat-malloc>
  <vmstat-memstat-zone>....</vmstat-memstat-zone>
  <vmstat-intr>....</vmstat-intr>
  <vmstat-sumstat>....</vmstat-sumstat>
  <vm-kernel-state>....</vm-kernel-state>
  <vmstat-fork-stat>....</vmstat-fork-stat>
  <vmstat-times>....</vmstat-times>
</system-virtual-memory-information>
```

**Description** Show system virtual memory statistics

### <tip>

#### Usage

```
<tip>
  <content>
    content
  </content>
</tip>
```

**Description**

### <uptime-information>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-users-information>
      <uptime-information>
        <date-time>
          date-time
        </date-time>
```

```
<up-time>
  up-time
</up-time>
<active-user-count>
  active-user-count
</active-user-count>
<load-average-1>
  load-average-1
</load-average-1>
<load-average-5>
  load-average-5
</load-average-5>
<load-average-15>
  load-average-15
</load-average-15>
<user-table>....</user-table>
</uptime-information>
</system-users-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description** System uptime details

## <uptime-information>

### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<system-uptime-information>
  <uptime-information>
    <date-time>
      date-time
    </date-time>
    <up-time>
      up-time
    </up-time>
    <active-user-count>
      active-user-count
    </active-user-count>
    <load-average-1>
      load-average-1
    </load-average-1>
    <load-average-5>
      load-average-5
    </load-average-5>
    <load-average-15>
      load-average-15
    </load-average-15>
    <user-table>....</user-table>
  </uptime-information>
</system-uptime-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```



**Description** System uptime details

### <uptime-information>

#### Usage

```
<uptime-information>
  <date-time>
    date-time
  </date-time>
  <up-time>
    up-time
  </up-time>
  <active-user-count>
    active-user-count
  </active-user-count>
  <load-average-1>
    load-average-1
  </load-average-1>
  <load-average-5>
    load-average-5
  </load-average-5>
  <load-average-15>
    load-average-15
  </load-average-15>
  <user-table>....</user-table>
</uptime-information>
```

**Description** System uptime details

### <uptime-information>

#### Usage

```
<system-uptime-information>
  <uptime-information>
    <date-time>
      date-time
    </date-time>
    <up-time>
      up-time
    </up-time>
    <active-user-count>
      active-user-count
    </active-user-count>
    <load-average-1>
      load-average-1
    </load-average-1>
    <load-average-5>
      load-average-5
    </load-average-5>
    <load-average-15>
      load-average-15
    </load-average-15>
    <user-table>....</user-table>
```

```
</uptime-information>
</system-uptime-information>
```

**Description** System uptime details

## <uptime-information>

### Usage

```
<system-users-information>
  <uptime-information>
    <date-time>
      date-time
    </date-time>
    <up-time>
      up-time
    </up-time>
    <active-user-count>
      active-user-count
    </active-user-count>
    <load-average-1>
      load-average-1
    </load-average-1>
    <load-average-5>
      load-average-5
    </load-average-5>
    <load-average-15>
      load-average-15
    </load-average-15>
    <user-table>.....</user-table>
  </uptime-information>
</system-users-information>
```

**Description** System uptime details

## <user-entry>

### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-users-information>
      <uptime-information>
        <user-table>
          <user-entry>
            <user>
              user
            </user>
            <tty>
              tty
            </tty>
            <from>
              from
            </from>
```

```

    <login-time>
      login-time
    </login-time>
    <idle-time>
      idle-time
    </idle-time>
    <command>
      command
    </command>
  </user-entry>
</user-table>
</uptime-information>
</system-users-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

#### <user-entry>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-uptime-information>
      <uptime-information>
        <user-table>
          <user-entry>
            <user>
              user
            </user>
            <tty>
              tty
            </tty>
            <from>
              from
            </from>
            <login-time>
              login-time
            </login-time>
            <idle-time>
              idle-time
            </idle-time>
            <command>
              command
            </command>
          </user-entry>
        </user-table>
      </uptime-information>
    </system-uptime-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

## <user-entry>

### Usage

```
<uptime-information>
  <user-table>
    <user-entry>
      <user>
        user
      </user>
      <tty>
        tty
      </tty>
      <from>
        from
      </from>
      <login-time>
        login-time
      </login-time>
      <idle-time>
        idle-time
      </idle-time>
      <command>
        command
      </command>
    </user-entry>
  </user-table>
</uptime-information>
```

### Description

## <user-entry>

### Usage

```
<system-uptime-information>
  <uptime-information>
    <user-table>
      <user-entry>
        <user>
          user
        </user>
        <tty>
          tty
        </tty>
        <from>
          from
        </from>
        <login-time>
          login-time
        </login-time>
        <idle-time>
          idle-time
        </idle-time>
        <command>
          command
        </command>
      </user-entry>
    </user-table>
  </uptime-information>
</system-uptime-information>
```

```

        </command>
      </user-entry>
    </user-table>
  </uptime-information>
</system-uptime-information>

```

#### Description

#### <user-entry>

##### Usage

```

<system-users-information>
  <uptime-information>
    <user-table>
      <user-entry>
        <user>
          user
        </user>
        <tty>
          tty
        </tty>
        <from>
          from
        </from>
        <login-time>
          login-time
        </login-time>
        <idle-time>
          idle-time
        </idle-time>
        <command>
          command
        </command>
      </user-entry>
    </user-table>
  </uptime-information>
</system-users-information>

```

#### Description

#### <user-information>

##### Usage

```

<authorization-information>
  <user-information>
    <user>
      user
    </user>
    <login-name>
      login-name
    </login-name>
    <user-class>
      user-class
    </user-class>
  </user-information>
</authorization-information>

```

```
</user-information>
</authorization-information>
```

#### Description

### <user-permission-entry>

#### Usage

```
<authorization-information>
  <user-permission-list>
    <user-permission-entry>
      <permission-type>
        permission-type
      </permission-type>
      <permission-type-help>
        permission-type-help
      </permission-type-help>
    </user-permission-entry>
  </user-permission-list>
</authorization-information>
```

#### Description

### <user-permission-list>

#### Usage

```
<authorization-information>
  <user-permission-list>
    <user-permission-entry>....</user-permission-entry>
  </user-permission-list>
</authorization-information>
```

#### Description

### <user-table>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-users-information>
      <uptime-information>
        <user-table>
          <user-entry>....</user-entry>
          <process-table>....</process-table>
        </user-table>
      </uptime-information>
    </system-users-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

**<user-table>****Usage**

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-uptime-information>
      <uptime-information>
        <user-table>
          <user-entry>....</user-entry>
          <process-table>....</process-table>
        </user-table>
      </uptime-information>
    </system-uptime-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description****<user-table>****Usage**

```

<uptime-information>
  <user-table>
    <user-entry>....</user-entry>
    <process-table>....</process-table>
  </user-table>
</uptime-information>

```

**Description****<user-table>****Usage**

```

<system-uptime-information>
  <uptime-information>
    <user-table>
      <user-entry>....</user-entry>
      <process-table>....</process-table>
    </user-table>
  </uptime-information>
</system-uptime-information>

```

**Description****<user-table>****Usage**

```

<system-users-information>
  <uptime-information>
    <user-table>
      <user-entry>....</user-entry>
      <process-table>....</process-table>
    </user-table>
  </uptime-information>
</system-users-information>

```

```
</user-table>
</uptime-information>
</system-users-information>
```

#### Description

#### <version-info-list>

##### Usage

```
<version-info-list>
  <source-daemon>
    source-daemon
  </source-daemon>
  <version-information>....</version-information>
</version-info-list>
```

#### Description

#### <version-information>

##### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <software-information>
      <version-information>
        <component>
          component
        </component>
        <service-interface>
          service-interface
        </service-interface>
        <major>
          major
        </major>
        <minor>
          minor
        </minor>
        <release-category>
          release-category
        </release-category>
        <build-number>
          build-number
        </build-number>
        <spin>
          spin
        </spin>
        <builder>
          builder
        </builder>
        <build-date>
          build-date
        </build-date>
        <build-machine>
          build-machine

```



```

</build-machine>
<build-directory>
  build-directory
</build-directory>
</version-information>
</software-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

### <version-information>

#### Usage

```

<version-information>
  <component>
    component
  </component>
  <service-interface>
    service-interface
  </service-interface>
  <major>
    major
  </major>
  <minor>
    minor
  </minor>
  <release-category>
    release-category
  </release-category>
  <build-number>
    build-number
  </build-number>
  <spin>
    spin
  </spin>
  <builder>
    builder
  </builder>
  <build-date>
    build-date
  </build-date>
  <build-machine>
    build-machine
  </build-machine>
  <build-directory>
    build-directory
  </build-directory>
</version-information>

```

## Description

## <version-information>

### Usage

```
<software-information>
  <version-information>
    <component>
      component
    </component>
    <service-interface>
      service-interface
    </service-interface>
    <major>
      major
    </major>
    <minor>
      minor
    </minor>
    <release-category>
      release-category
    </release-category>
    <build-number>
      build-number
    </build-number>
    <spin>
      spin
    </spin>
    <builder>
      builder
    </builder>
    <build-date>
      build-date
    </build-date>
    <build-machine>
      build-machine
    </build-machine>
    <build-directory>
      build-directory
    </build-directory>
  </version-information>
</software-information>
```

### Description

## <version-information>

### Usage

```
<version-info-list>
  <version-information>
    <component>
      component
    </component>
    <service-interface>
      service-interface
    </service-interface>
```

```

<major>
  major
</major>
<minor>
  minor
</minor>
<release-category>
  release-category
</release-category>
<build-number>
  build-number
</build-number>
<spin>
  spin
</spin>
<builder>
  builder
</builder>
<build-date>
  build-date
</build-date>
<build-machine>
  build-machine
</build-machine>
<build-directory>
  build-directory
</build-directory>
</version-information>
</version-info-list>

```

#### Description

#### <vm-kernel-state>

##### Usage

```

<system-virtual-memory-information>
  <vm-kernel-state>
    <vm-kmem-map-free>
      vm-kmem-map-free
    </vm-kmem-map-free>
  </vm-kernel-state>
</system-virtual-memory-information>

```

#### Description

#### <vmstat-fork-stat>

##### Usage

```

<system-virtual-memory-information>
  <vmstat-fork-stat>
    <fork-stat>
      fork-stat
    </fork-stat>
  <fork-pages>

```

```
    fork-pages
  </fork-pages>
  <fork-average-pages-per-fork>
    fork-average-pages-per-fork
  </fork-average-pages-per-fork>
  <vfork-stat>
    vfork-stat
  </vfork-stat>
  <vfork-pages>
    vfork-pages
  </vfork-pages>
  <vfork-average-pages-per-vfork>
    vfork-average-pages-per-vfork
  </vfork-average-pages-per-vfork>
  <rfork-stat>
    rfork-stat
  </rfork-stat>
  <rfork-pages>
    rfork-pages
  </rfork-pages>
  <rfork-average-pages-per-rfork>
    rfork-average-pages-per-rfork
  </rfork-average-pages-per-rfork>
</vmstat-fork-stat>
</system-virtual-memory-information>
```

#### Description

#### <vmstat-intr>

##### Usage

```
<system-virtual-memory-information>
  <vmstat-intr>
    <intr-name>
      intr-name
    </intr-name>
    <intr-cnt>
      intr-cnt
    </intr-cnt>
    <intr-rate>
      intr-rate
    </intr-rate>
  </vmstat-intr>
</system-virtual-memory-information>
```

#### Description

#### <vmstat-memstat-malloc>

##### Usage

```
<system-virtual-memory-information>
  <vmstat-memstat-malloc>
    <memstat-name>
      memstat-name
```

```

</memstat-name>
<inuse>
  inuse
</inuse>
<memuse>
  memuse
</memuse>
<high-use>
  high-use
</high-use>
<memstat-req>
  memstat-req
</memstat-req>
<memstat-size>
  memstat-size
</memstat-size>
</vmstat-memstat-malloc>
</system-virtual-memory-information>

```

#### Description

### <vmstat-memstat-zone>

#### Usage

```

<system-virtual-memory-information>
  <vmstat-memstat-zone>
    <zone-name>
      zone-name
    </zone-name>
    <zone-size>
      zone-size
    </zone-size>
    <count-limit>
      count-limit
    </count-limit>
    <used>
      used
    </used>
    <free>
      free
    </free>
    <zone-req>
      zone-req
    </zone-req>
  </vmstat-memstat-zone>
</system-virtual-memory-information>

```

#### Description

### <vmstat-sumstat>

#### Usage

```

<system-virtual-memory-information>
  <vmstat-sumstat>

```

```
<cpu-context-switch>
  cpu-context-switch
</cpu-context-switch>
<dev-intr>
  dev-intr
</dev-intr>
<soft-intr>
  soft-intr
</soft-intr>
<traps>
  traps
</traps>
<sys-calls>
  sys-calls
</sys-calls>
<kernel-thrds>
  kernel-thrds
</kernel-thrds>
<fork-calls>
  fork-calls
</fork-calls>
<vfork-calls>
  vfork-calls
</vfork-calls>
<rfork-calls>
  rfork-calls
</rfork-calls>
<swap-pageins>
  swap-pageins
</swap-pageins>
<swap-pagedin>
  swap-pagedin
</swap-pagedin>
<swap-pageouts>
  swap-pageouts
</swap-pageouts>
<swap-pagedout>
  swap-pagedout
</swap-pagedout>
<vnode-pageins>
  vnode-pageins
</vnode-pageins>
<vnode-pagedin>
  vnode-pagedin
</vnode-pagedin>
<vnode-pageouts>
  vnode-pageouts
</vnode-pageouts>
<vnode-pagedout>
  vnode-pagedout
</vnode-pagedout>
<page-daemon-wakeup>
  page-daemon-wakeup
</page-daemon-wakeup>
<page-daemon-examined-pages>
  page-daemon-examined-pages
```

```
</page-daemon-examined-pages>
<pages-reactivated>
  pages-reactivated
</pages-reactivated>
<copy-on-write-faults>
  copy-on-write-faults
</copy-on-write-faults>
<copy-on-write-optimized-faults>
  copy-on-write-optimized-faults
</copy-on-write-optimized-faults>
<zero-fill-pages-zeroed>
  zero-fill-pages-zeroed
</zero-fill-pages-zeroed>
<zero-fill-pages-prezeroed>
  zero-fill-pages-prezeroed
</zero-fill-pages-prezeroed>
<transit-blocking-page-faults>
  transit-blocking-page-faults
</transit-blocking-page-faults>
<total-vm-faults>
  total-vm-faults
</total-vm-faults>
<pages-affected-by-kernel-thrd-creat>
  pages-affected-by-kernel-thrd-creat
</pages-affected-by-kernel-thrd-creat>
<pages-affected-by-fork>
  pages-affected-by-fork
</pages-affected-by-fork>
<pages-affected-by-vfork>
  pages-affected-by-vfork
</pages-affected-by-vfork>
<pages-affected-by-rfork>
  pages-affected-by-rfork
</pages-affected-by-rfork>
<pages-freed>
  pages-freed
</pages-freed>
<pages-freed-by-deamon>
  pages-freed-by-deamon
</pages-freed-by-deamon>
<pages-freed-by-exiting-proc>
  pages-freed-by-exiting-proc
</pages-freed-by-exiting-proc>
<pages-active>
  pages-active
</pages-active>
<pages-inactive>
  pages-inactive
</pages-inactive>
<pages-in-vm-cache>
  pages-in-vm-cache
</pages-in-vm-cache>
<pages-wired-down>
  pages-wired-down
</pages-wired-down>
<pages-free>
```

```
    pages-free
  </pages-free>
  <bytes-per-page>
    bytes-per-page
  </bytes-per-page>
  <swap-pages-used>
    swap-pages-used
  </swap-pages-used>
  <peak-swap-pages-used>
    peak-swap-pages-used
  </peak-swap-pages-used>
  <total-name-lookups>
    total-name-lookups
  </total-name-lookups>
  <positive-cache-hits>
    positive-cache-hits
  </positive-cache-hits>
  <negative-cache-hits>
    negative-cache-hits
  </negative-cache-hits>
  <pass2>
    pass2
  </pass2>
  <cache-deletions>
    cache-deletions
  </cache-deletions>
  <cache-falsehits>
    cache-falsehits
  </cache-falsehits>
  <toolong>
    toolong
  </toolong>
</vmstat-sumstat>
</system-virtual-memory-information>
```

## Description

### <vmstat-times>

#### Usage

```
<system-virtual-memory-information>
  <vmstat-times>
    <vmstat-times-reclaims>
      vmstat-times-reclaims
    </vmstat-times-reclaims>
    <vmstat-times-reclaims-total-time>
      vmstat-times-reclaims-total-time
    </vmstat-times-reclaims-total-time>
    <vmstat-times-average-time-to-reclaim>
      vmstat-times-average-time-to-reclaim
    </vmstat-times-average-time-to-reclaim>
    <vmstat-times-pageins>
      vmstat-times-pageins
    </vmstat-times-pageins>
    <vmstat-times-pageins-total-time>
```



```

    vmstat-times-pageins-total-time
  </vmstat-times-pageins-total-time>
  <vmstat-times-average-time-to-pageins>
    vmstat-times-average-time-to-pageins
  </vmstat-times-average-time-to-pageins>
</vmstat-times>
</system-virtual-memory-information>

```

#### Description

<warning>

#### Usage

```

<warning>
  <source-daemon>
    source-daemon
  </source-daemon>
  <filename>
    filename
  </filename>
  <line-number>
    line-number
  </line-number>
  <column>
    column
  </column>
  <token>
    token
  </token>
  <edit-path>
    edit-path
  </edit-path>
  <statement>
    statement
  </statement>
  <message>
    message
  </message>
</warning>

```

#### Description

<web-management-user>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-users-information>
      <web-management-users>
        <web-management-user>
          <user>
            user
          </user>
        <tty>

```

```
    tty
  </tty>
  <from>
    from
  </from>
  <login-time>
    login-time
  </login-time>
  <idle-time>
    idle-time
  </idle-time>
</web-management-user>
</web-management-users>
</system-users-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <web-management-user>

#### Usage

```
<system-users-information>
  <web-management-users>
    <web-management-user>
      <user>
        user
      </user>
      <tty>
        tty
      </tty>
      <from>
        from
      </from>
      <login-time>
        login-time
      </login-time>
      <idle-time>
        idle-time
      </idle-time>
    </web-management-user>
  </web-management-users>
</system-users-information>
```

#### Description

### <web-management-users>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-users-information>
      <web-management-users>
        <web-management-user>....</web-management-user>
```

```

    </web-management-users>
  </system-users-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

### <web-management-users>

#### Usage

```

<system-users-information>
  <web-management-users>
    <web-management-user>....</web-management-user>
  </web-management-users>
</system-users-information>

```

#### Description

### <xnm:error>

#### Usage

```

<xnm:error>
  <parse>
    parse
  </parse>
  <source-daemon>
    source-daemon
  </source-daemon>
  <filename>
    filename
  </filename>
  <line-number>
    line-number
  </line-number>
  <column>
    column
  </column>
  <token>
    token
  </token>
  <edit-path>
    edit-path
  </edit-path>
  <statement>
    statement
  </statement>
  <message>
    message
  </message>
  <database-status-information>....</database-status-information>
  <reason>....</reason>
</xnm:error>

```

**Description****<xnm:warning>****Usage**

```
<xnm:warning>
  <source-daemon>
    source-daemon
  </source-daemon>
  <filename>
    filename
  </filename>
  <line-number>
    line-number
  </line-number>
  <column>
    column
  </column>
  <token>
    token
  </token>
  <edit-path>
    edit-path
  </edit-path>
  <statement>
    statement
  </statement>
  <message>
    message
  </message>
  <reason>....</reason>
</xnm:warning>
```

**Description****Summary of Task Response Tags**

---

**<task>****Usage**

```
<task-timer-information>
  <task>
    <task-name>
      task-name
    </task-name>
    <task-timer>....</task-timer>
  </task>
</task-timer-information>
```

**Description**

## &lt;task-block&gt;

## Usage

```

<task-block-list>
  <task-block>
    <tb-name>
      tb-name
    </tb-name>
    <tb-size>
      tb-size
    </tb-size>
    <tb-alloc-size>
      tb-alloc-size
    </tb-alloc-size>
    <tb-terse-transient>
      tb-terse-transient
    </tb-terse-transient>
    <tb-terse-fullpage>
      tb-terse-fullpage
    </tb-terse-fullpage>
    <tb-terse-debug>
      tb-terse-debug
    </tb-terse-debug>
    <tb-alloc-blocks>
      tb-alloc-blocks
    </tb-alloc-blocks>
    <tb-alloc-bytes>
      tb-alloc-bytes
    </tb-alloc-bytes>
    <tb-max-alloc-blocks>
      tb-max-alloc-blocks
    </tb-max-alloc-blocks>
    <tb-max-alloc-bytes>
      tb-max-alloc-bytes
    </tb-max-alloc-bytes>
  </task-block>
</task-block-list>

```

## Description

## &lt;task-block&gt;

## Usage

```

<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>
      <task-block>
        <tb-name>
          tb-name
        </tb-name>
        <tb-size>
          tb-size
        </tb-size>
        <tb-alloc-size>

```

```
    tb-alloc-size
  </tb-alloc-size>
  <tb-terse-transient>
    tb-terse-transient
  </tb-terse-transient>
  <tb-terse-fullpage>
    tb-terse-fullpage
  </tb-terse-fullpage>
  <tb-terse-debug>
    tb-terse-debug
  </tb-terse-debug>
  <tb-alloc-blocks>
    tb-alloc-blocks
  </tb-alloc-blocks>
  <tb-alloc-bytes>
    tb-alloc-bytes
  </tb-alloc-bytes>
  <tb-max-alloc-blocks>
    tb-max-alloc-blocks
  </tb-max-alloc-blocks>
  <tb-max-alloc-bytes>
    tb-max-alloc-bytes
  </tb-max-alloc-bytes>
</task-block>
</task-block-list>
</task-memory-allocator-report>
</task-memory-information>
```

#### Description

#### <task-block-list>

##### Usage

```
<task-block-list>
  <task-block>....</task-block>
</task-block-list>
```

#### Description

#### <task-block-list>

##### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>
      <task-block>....</task-block>
    </task-block-list>
  </task-memory-allocator-report>
</task-memory-information>
```

#### Description

## <task-lite-page>

### Usage

```
<task-lite-page-list>
  <task-lite-page>
    <tlp-name>
      tlp-name
    </tlp-name>
    <tlp-alloc-pages>
      tlp-alloc-pages
    </tlp-alloc-pages>
    <tlp-alloc-bytes>
      tlp-alloc-bytes
    </tlp-alloc-bytes>
    <tlp-max-alloc-pages>
      tlp-max-alloc-pages
    </tlp-max-alloc-pages>
    <tlp-max-alloc-bytes>
      tlp-max-alloc-bytes
    </tlp-max-alloc-bytes>
  </task-lite-page>
</task-lite-page-list>
```

### Description

## <task-lite-page>

### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>
        <tlp-name>
          tlp-name
        </tlp-name>
        <tlp-alloc-pages>
          tlp-alloc-pages
        </tlp-alloc-pages>
        <tlp-alloc-bytes>
          tlp-alloc-bytes
        </tlp-alloc-bytes>
        <tlp-max-alloc-pages>
          tlp-max-alloc-pages
        </tlp-max-alloc-pages>
        <tlp-max-alloc-bytes>
          tlp-max-alloc-bytes
        </tlp-max-alloc-bytes>
      </task-lite-page>
    </task-lite-page-list>
  </task-memory-allocator-report>
</task-memory-information>
```

### Description

## <task-lite-page-list>

### Usage

```
<task-lite-page-list>
  <task-lite-page>....</task-lite-page>
</task-lite-page-list>
```

### Description

## <task-lite-page-list>

### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>....</task-lite-page>
    </task-lite-page-list>
  </task-memory-allocator-report>
</task-memory-information>
```

### Description

## <task-malloc>

### Usage

```
<task-malloc-list>
  <task-malloc>
    <tm-name>
      tm-name
    </tm-name>
    <tm-allocs>
      tm-allocs
    </tm-allocs>
    <tm-alloc-bytes>
      tm-alloc-bytes
    </tm-alloc-bytes>
    <tm-max-allocs>
      tm-max-allocs
    </tm-max-allocs>
    <tm-max-alloc-bytes>
      tm-max-alloc-bytes
    </tm-max-alloc-bytes>
    <tm-function-calls>
      tm-function-calls
    </tm-function-calls>
  </task-malloc>
</task-malloc-list>
```

### Description



**<task-malloc>****Usage**

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>
        <tm-name>
          tm-name
        </tm-name>
        <tm-allocs>
          tm-allocs
        </tm-allocs>
        <tm-alloc-bytes>
          tm-alloc-bytes
        </tm-alloc-bytes>
        <tm-max-allocs>
          tm-max-allocs
        </tm-max-allocs>
        <tm-max-alloc-bytes>
          tm-max-alloc-bytes
        </tm-max-alloc-bytes>
        <tm-function-calls>
          tm-function-calls
        </tm-function-calls>
      </task-malloc>
    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

**Description****<task-malloc-list>****Usage**

```

<task-malloc-list>
  <task-malloc>....</task-malloc>
</task-malloc-list>

```

**Description****<task-malloc-list>****Usage**

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>....</task-malloc>
    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

## Description

### <task-memory-allocator-report>

#### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>....</task-block-list>
    <task-lite-page-list>....</task-lite-page-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-allocator-report>
</task-memory-information>
```

## Description

### <task-memory-information>

#### Usage

```
<task-memory-information>
  <task-memory-in-use-size>
    task-memory-in-use-size
  </task-memory-in-use-size>
  <task-memory-in-use-avail>
    task-memory-in-use-avail
  </task-memory-in-use-avail>
  <task-memory-max-size>
    task-memory-max-size
  </task-memory-max-size>
  <task-memory-max-avail>
    task-memory-max-avail
  </task-memory-max-avail>
  <task-memory-max-when>
    task-memory-max-when
  </task-memory-max-when>
  <task-memory-free-size>
    task-memory-free-size
  </task-memory-free-size>
  <task-memory-overall-report>....</task-memory-overall-report>
  <task-memory-allocator-report>....</task-memory-allocator-report>
  <task-memory-malloc-usage-report>....</task-memory-malloc-usage-report>
  <task-memory-dynamic-allocs>
    task-memory-dynamic-allocs
  </task-memory-dynamic-allocs>
  <task-memory-max-dynamic-allocs>
    task-memory-max-dynamic-allocs
  </task-memory-max-dynamic-allocs>
  <task-memory-bss-bytes>
    task-memory-bss-bytes
  </task-memory-bss-bytes>
  <task-memory-max-bss-bytes>
```

```

    task-memory-max-bss-bytes
  </task-memory-max-bss-bytes>
  <task-memory-page-data-bytes>
    task-memory-page-data-bytes
  </task-memory-page-data-bytes>
  <task-memory-max-page-data-bytes>
    task-memory-max-page-data-bytes
  </task-memory-max-page-data-bytes>
  <task-memory-dir-bytes>
    task-memory-dir-bytes
  </task-memory-dir-bytes>
  <task-memory-max-dir-bytes>
    task-memory-max-dir-bytes
  </task-memory-max-dir-bytes>
  <task-memory-total-bytes-in-use>
    task-memory-total-bytes-in-use
  </task-memory-total-bytes-in-use>
  <task-memory-total-bytes-percent>
    task-memory-total-bytes-percent
  </task-memory-total-bytes-percent>
</task-memory-information>

```

#### Description

### <task-memory-malloc-usage-report>

#### Usage

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>....</task-malloc-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

#### Description

### <task-memory-overall-report>

#### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>....</task-size-block-list>
    <task-memory-stats-list>....</task-memory-stats-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-overall-report>
</task-memory-information>

```

```
<task-memory-total-free-bytes>
  task-memory-total-free-bytes
</task-memory-total-free-bytes>
</task-memory-overall-report>
</task-memory-information>
```

#### Description

### <task-memory-stats>

#### Usage

```
<task-memory-stats>
  <tms-name>
    tms-name
  </tms-name>
  <tms-allocs>
    tms-allocs
  </tms-allocs>
  <tms-mallocs>
    tms-mallocs
  </tms-mallocs>
  <tms-alloc-bytes>
    tms-alloc-bytes
  </tms-alloc-bytes>
  <tms-max-allocs>
    tms-max-allocs
  </tms-max-allocs>
  <tms-max-bytes>
    tms-max-bytes
  </tms-max-bytes>
  <tms-free-bytes>
    tms-free-bytes
  </tms-free-bytes>
</task-memory-stats>
```

#### Description

### <task-memory-stats>

#### Usage

```
<task-memory-information>
  <task-memory-overall-report>
    <task-memory-stats-list>
      <task-memory-stats>
        <tms-name>
          tms-name
        </tms-name>
        <tms-allocs>
          tms-allocs
        </tms-allocs>
        <tms-mallocs>
          tms-mallocs
        </tms-mallocs>
        <tms-alloc-bytes>
```

```

        tms-alloc-bytes
      </tms-alloc-bytes>
      <tms-max-allocs>
        tms-max-allocs
      </tms-max-allocs>
      <tms-max-bytes>
        tms-max-bytes
      </tms-max-bytes>
      <tms-free-bytes>
        tms-free-bytes
      </tms-free-bytes>
    </task-memory-stats>
  </task-memory-stats-list>
</task-memory-overall-report>
</task-memory-information>

```

**Description****<task-memory-stats-list>****Usage**

```

<task-memory-information>
  <task-memory-overall-report>
    <task-memory-stats-list>
      <task-memory-stats>....</task-memory-stats>
    </task-memory-stats-list>
  </task-memory-overall-report>
</task-memory-information>

```

**Description****<task-replication-state>****Usage**

```

<task-replication-state>
  <task-gres-state>
    task-gres-state
  </task-gres-state>
  <task-re-mode>
    task-re-mode
  </task-re-mode>
</task-replication-state>

```

**Description** Current state of task replication**<task-size-block>****Usage**

```

<task-size-block-list>
  <task-size-block>
    <tsb-size>
      tsb-size
    </tsb-size>
  </task-size-block>
</task-size-block-list>

```

```
</tsb-size>
<tsb-terse-transient>
  tsb-terse-transient
</tsb-terse-transient>
<tsb-terse-fullpage>
  tsb-terse-fullpage
</tsb-terse-fullpage>
<tsb-allocs>
  tsb-allocs
</tsb-allocs>
<tsb-mallocs>
  tsb-mallocs
</tsb-mallocs>
<tsb-alloc-bytes>
  tsb-alloc-bytes
</tsb-alloc-bytes>
<tsb-max-allocs>
  tsb-max-allocs
</tsb-max-allocs>
<tsb-max-bytes>
  tsb-max-bytes
</tsb-max-bytes>
<tsb-free-bytes>
  tsb-free-bytes
</tsb-free-bytes>
</task-size-block>
</task-size-block-list>
```

## Description

### <task-size-block>

#### Usage

```
<task-memory-information>
<task-memory-overall-report>
  <task-size-block-list>
    <task-size-block>
      <tsb-size>
        tsb-size
      </tsb-size>
      <tsb-terse-transient>
        tsb-terse-transient
      </tsb-terse-transient>
      <tsb-terse-fullpage>
        tsb-terse-fullpage
      </tsb-terse-fullpage>
      <tsb-allocs>
        tsb-allocs
      </tsb-allocs>
      <tsb-mallocs>
        tsb-mallocs
      </tsb-mallocs>
      <tsb-alloc-bytes>
        tsb-alloc-bytes
      </tsb-alloc-bytes>
```

```

    <tsb-max-allocs>
      tsb-max-allocs
    </tsb-max-allocs>
    <tsb-max-bytes>
      tsb-max-bytes
    </tsb-max-bytes>
    <tsb-free-bytes>
      tsb-free-bytes
    </tsb-free-bytes>
  </task-size-block>
</task-size-block-list>
</task-memory-overall-report>
</task-memory-information>

```

#### Description

### <task-size-block-list>

#### Usage

```

<task-size-block-list>
  <task-size-block>....</task-size-block>
</task-size-block-list>

```

#### Description

### <task-size-block-list>

#### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>
      <task-size-block>....</task-size-block>
    </task-size-block-list>
  </task-memory-overall-report>
</task-memory-information>

```

#### Description

### <task-timer>

#### Usage

```

<task-timer>
  <timer-name>
    timer-name
  </timer-name>
  <timer-late>
    timer-late
  </timer-late>
  <timer-expires>
    timer-expires
  </timer-expires>
  <timer-jitter>
    timer-jitter

```

```
</timer-jitter>
<timer-interval>
  timer-interval
</timer-interval>
<timer-flags>
  timer-flags
</timer-flags>
</task-timer>
```

#### Description

### <task-timer>

#### Usage

```
<task-timer-information>
<task>
  <task-timer>
    <timer-name>
      timer-name
    </timer-name>
    <timer-late>
      timer-late
    </timer-late>
    <timer-expires>
      timer-expires
    </timer-expires>
    <timer-jitter>
      timer-jitter
    </timer-jitter>
    <timer-interval>
      timer-interval
    </timer-interval>
    <timer-flags>
      timer-flags
    </timer-flags>
  </task-timer>
</task>
</task-timer-information>
```

#### Description

### <task-timer-information>

#### Usage

```
<task-timer-information>
<task>.....</task>
</task-timer-information>
```

#### Description



## <tracing-information>

### Usage

```

<tracing-information>
  <flags>
    flags
  </flags>
  <filename>
    filename
  </filename>
  <filesize>
    filesize
  </filesize>
  <filelimit>
    filelimit
  </filelimit>
</tracing-information>

```

### Description

## Summary of LLDP Response Tags

## <lldp>

### Usage

```

<lldp>
  <lldp-interface-information>....</lldp-interface-information>
  <lldp-global-status>
    lldp-global-status
  </lldp-global-status>
  <lldp-advertisement-interval>
    lldp-advertisement-interval
  </lldp-advertisement-interval>
  <lldp-transmit-delay-interval>
    lldp-transmit-delay-interval
  </lldp-transmit-delay-interval>
  <lldp-hold-time-interval>
    lldp-hold-time-interval
  </lldp-hold-time-interval>
  <lldp-notification-interval>
    lldp-notification-interval
  </lldp-notification-interval>
  <ptopo-configuration-trap-interval>
    ptopo-configuration-trap-interval
  </ptopo-configuration-trap-interval>
  <ptopo-maximum-hold-time>
    ptopo-maximum-hold-time
  </ptopo-maximum-hold-time>
  <lldp-basic-tlv-supported>
    lldp-basic-tlv-supported
  </lldp-basic-tlv-supported>
  <lldp-802-tlv-supported>
    lldp-802-tlv-supported
  </lldp-802-tlv-supported>

```

```
<lldp-exported-vlan-information>....</lldp-exported-vlan-information>
</lldp>
```

#### Description

### <lldp-exported-vlan-information>

#### Usage

```
<lldp>
  <lldp-exported-vlan-information>
    <lldp-vlan-interface-name>
      lldp-vlan-interface-name
    </lldp-vlan-interface-name>
    <lldp-vlan-tag>
      lldp-vlan-tag
    </lldp-vlan-tag>
    <lldp-vlan-name>
      lldp-vlan-name
    </lldp-vlan-name>
  </lldp-exported-vlan-information>
</lldp>
```

#### Description

### <lldp-interface-information>

#### Usage

```
<lldp-interface-information>
  <lldp-interface-name>
    lldp-interface-name
  </lldp-interface-name>
  <lldp-interface-status>
    lldp-interface-status
  </lldp-interface-status>
  <lldp-interface-neighbor-count>
    lldp-interface-neighbor-count
  </lldp-interface-neighbor-count>
</lldp-interface-information>
```

#### Description

### <lldp-interface-information>

#### Usage

```
<lldp>
  <lldp-interface-information>
    <lldp-interface-name>
      lldp-interface-name
    </lldp-interface-name>
    <lldp-interface-status>
      lldp-interface-status
    </lldp-interface-status>
    <lldp-interface-neighbor-count>
```

```

        lldp-interface-neighbor-count
      </lldp-interface-neighbor-count>
    </lldp-interface-information>
  </lldp>

```

## Description

### <lldp-interface-statistics>

#### Usage

```

<lldp-interface-statistics>
  <lldp-statistics-interface-name>
    lldp-statistics-interface-name
  </lldp-statistics-interface-name>
  <lldp-receive-packet-count>
    lldp-receive-packet-count
  </lldp-receive-packet-count>
  <lldp-receive-packet-unknown-tlvs>
    lldp-receive-packet-unknown-tlvs
  </lldp-receive-packet-unknown-tlvs>
  <lldp-receive-packet-error-count>
    lldp-receive-packet-error-count
  </lldp-receive-packet-error-count>
  <lldp-receive-tlv-discard-count>
    lldp-receive-tlv-discard-count
  </lldp-receive-tlv-discard-count>
  <lldp-transmit-packet-count>
    lldp-transmit-packet-count
  </lldp-transmit-packet-count>
  <lldp-transmit-packet-error-count>
    lldp-transmit-packet-error-count
  </lldp-transmit-packet-error-count>
</lldp-interface-statistics>

```

**Description**    Interface statistics

### <lldp-interface-statistics>

#### Usage

```

<lldp-statistics>
  <lldp-interface-statistics>
    <lldp-statistics-interface-name>
      lldp-statistics-interface-name
    </lldp-statistics-interface-name>
    <lldp-receive-packet-count>
      lldp-receive-packet-count
    </lldp-receive-packet-count>
    <lldp-receive-packet-unknown-tlvs>
      lldp-receive-packet-unknown-tlvs
    </lldp-receive-packet-unknown-tlvs>
    <lldp-receive-packet-error-count>
      lldp-receive-packet-error-count
    </lldp-receive-packet-error-count>
  </lldp-interface-statistics>

```

```
<lldp-receive-tlv-discard-count>
  lldp-receive-tlv-discard-count
</lldp-receive-tlv-discard-count>
<lldp-transmit-packet-count>
  lldp-transmit-packet-count
</lldp-transmit-packet-count>
<lldp-transmit-packet-error-count>
  lldp-transmit-packet-error-count
</lldp-transmit-packet-error-count>
</lldp-interface-statistics>
</lldp-statistics>
```

**Description**    Interface statistics

## <lldp-local-info>

### Usage

```
<lldp-local-info>
  <lldp-local-interface-info>....</lldp-local-interface-info>
  <lldp-local-chassis-id>
    lldp-local-chassis-id
  </lldp-local-chassis-id>
  <lldp-local-system-name>
    lldp-local-system-name
  </lldp-local-system-name>
  <lldp-local-system-description>
    lldp-local-system-description
  </lldp-local-system-description>
  <lldp-local-system-capabilities-supported>
    lldp-local-system-capabilities-supported
  </lldp-local-system-capabilities-supported>
  <lldp-local-system-capabilities-enabled>
    lldp-local-system-capabilities-enabled
  </lldp-local-system-capabilities-enabled>
  <lldp-local-management-address-interface-name>
    lldp-local-management-address-interface-name
  </lldp-local-management-address-interface-name>
  <lldp-local-management-address-subtype>
    lldp-local-management-address-subtype
  </lldp-local-management-address-subtype>
  <lldp-local-management-address-address>
    lldp-local-management-address-address
  </lldp-local-management-address-address>
  <lldp-local-management-address-interface-number>
    lldp-local-management-address-interface-number
  </lldp-local-management-address-interface-number>
  <lldp-local-management-address-interface-number-subtype>
    lldp-local-management-address-interface-number-subtype
  </lldp-local-management-address-interface-number-subtype>
</lldp-local-info>
```

**Description**

### <lldp-local-interface-info>

#### Usage

```
<lldp-local-interface-info>
  <lldp-local-interface-name>
    lldp-local-interface-name
  </lldp-local-interface-name>
  <lldp-local-interface-id>
    lldp-local-interface-id
  </lldp-local-interface-id>
  <lldp-local-interface-description>
    lldp-local-interface-description
  </lldp-local-interface-description>
  <lldp-local-interface-status>
    lldp-local-interface-status
  </lldp-local-interface-status>
</lldp-local-interface-info>
```

#### Description

### <lldp-local-interface-info>

#### Usage

```
<lldp-local-info>
  <lldp-local-interface-info>
    <lldp-local-interface-name>
      lldp-local-interface-name
    </lldp-local-interface-name>
    <lldp-local-interface-id>
      lldp-local-interface-id
    </lldp-local-interface-id>
    <lldp-local-interface-description>
      lldp-local-interface-description
    </lldp-local-interface-description>
    <lldp-local-interface-status>
      lldp-local-interface-status
    </lldp-local-interface-status>
  </lldp-local-interface-info>
</lldp-local-info>
```

#### Description

### <lldp-neighbor-information>

#### Usage

```
<lldp-neighbor-information>
  <lldp-index>
    lldp-index
  </lldp-index>
  <lldp-ttl>
    lldp-ttl
  </lldp-ttl>
  <lldp-timemark>
```

```
    lldp-timemark
  </lldp-timemark>
  <lldp-age>
    lldp-age
  </lldp-age>
  <lldp-local-interface>
    lldp-local-interface
  </lldp-local-interface>
  <lldp-local-port-id>
    lldp-local-port-id
  </lldp-local-port-id>
  <lldp-remote-chassis-id-subtype>
    lldp-remote-chassis-id-subtype
  </lldp-remote-chassis-id-subtype>
  <lldp-remote-chassis-id>
    lldp-remote-chassis-id
  </lldp-remote-chassis-id>
  <lldp-remote-port-id-subtype>
    lldp-remote-port-id-subtype
  </lldp-remote-port-id-subtype>
  <lldp-remote-port-id>
    lldp-remote-port-id
  </lldp-remote-port-id>
  <lldp-remote-port-description>
    lldp-remote-port-description
  </lldp-remote-port-description>
  <lldp-remote-system-name>
    lldp-remote-system-name
  </lldp-remote-system-name>
  <lldp-system-description>....</lldp-system-description>
  <lldp-remote-system-capabilities-supported>
    lldp-remote-system-capabilities-supported
  </lldp-remote-system-capabilities-supported>
  <lldp-remote-system-capabilities-enabled>
    lldp-remote-system-capabilities-enabled
  </lldp-remote-system-capabilities-enabled>
  <lldp-remote-inventory-network-policy>
    lldp-remote-inventory-network-policy
  </lldp-remote-inventory-network-policy>
  <lldp-remote-inventory-hardware-revision>
    lldp-remote-inventory-hardware-revision
  </lldp-remote-inventory-hardware-revision>
  <lldp-remote-inventory-firmware-revision>
    lldp-remote-inventory-firmware-revision
  </lldp-remote-inventory-firmware-revision>
  <lldp-remote-inventory-software-revision>
    lldp-remote-inventory-software-revision
  </lldp-remote-inventory-software-revision>
  <lldp-remote-inventory-serial-number>
    lldp-remote-inventory-serial-number
  </lldp-remote-inventory-serial-number>
  <lldp-remote-inventory-manufacturer-name>
    lldp-remote-inventory-manufacturer-name
  </lldp-remote-inventory-manufacturer-name>
  <lldp-remote-inventory-model-name>
    lldp-remote-inventory-model-name
```

```
</lldp-remote-inventory-model-name>
<lldp-remote-inventory-asset-id>
  lldp-remote-inventory-asset-id
</lldp-remote-inventory-asset-id>
<lldp-remote-management-address-type>
  lldp-remote-management-address-type
</lldp-remote-management-address-type>
<lldp-remote-management-address>
  lldp-remote-management-address
</lldp-remote-management-address>
<lldp-remote-management-address-port-id>
  lldp-remote-management-address-port-id
</lldp-remote-management-address-port-id>
<lldp-remote-management-address-sub-type>
  lldp-remote-management-address-sub-type
</lldp-remote-management-address-sub-type>
<lldp-remote-management-address-interface-subtype>
  lldp-remote-management-address-interface-subtype
</lldp-remote-management-address-interface-subtype>
<lldp-remote-management-addr-oid>
  lldp-remote-management-addr-oid
</lldp-remote-management-addr-oid>
<lldp-remote-oui-802-3>
  lldp-remote-oui-802-3
</lldp-remote-oui-802-3>
<lldp-remote-oui-802-1>
  lldp-remote-oui-802-1
</lldp-remote-oui-802-1>
<lldp-remote-subtype>
  lldp-remote-subtype
</lldp-remote-subtype>
<lldp-remote-subtype-vlan>
  lldp-remote-subtype-vlan
</lldp-remote-subtype-vlan>
<lldp-remote-subtype-mac>
  lldp-remote-subtype-mac
</lldp-remote-subtype-mac>
<lldp-remote-subtype-lag>
  lldp-remote-subtype-lag
</lldp-remote-subtype-lag>
<lldp-remote-subtype-mtu>
  lldp-remote-subtype-mtu
</lldp-remote-subtype-mtu>
<lldp-remote-index>
  lldp-remote-index
</lldp-remote-index>
<lldp-remote-value>
  lldp-remote-value
</lldp-remote-value>
<lldp-remote-subtype-vlan-id>
  lldp-remote-subtype-vlan-id
</lldp-remote-subtype-vlan-id>
<lldp-remote-subtype-vlan-name>
  lldp-remote-subtype-vlan-name
</lldp-remote-subtype-vlan-name>
<lldp-remote-subtype-mac-autonegotiation>
```

```
    lldp-remote-subtype-mac-autonegotiation
  </lldp-remote-subtype-mac-autonegotiation>
  <lldp-remote-subtype-mac-pmd>
    lldp-remote-subtype-mac-pmd
  </lldp-remote-subtype-mac-pmd>
  <lldp-remote-subtype-mac-mau>
    lldp-remote-subtype-mac-mau
  </lldp-remote-subtype-mac-mau>
  <lldp-remote-subtype-lag-status>
    lldp-remote-subtype-lag-status
  </lldp-remote-subtype-lag-status>
  <lldp-remote-subtype-lag-portid>
    lldp-remote-subtype-lag-portid
  </lldp-remote-subtype-lag-portid>
  <lldp-remote-subtype-mtu-size>
    lldp-remote-subtype-mtu-size
  </lldp-remote-subtype-mtu-size>
  <lldp-remote-unknown-tlv-type>
    lldp-remote-unknown-tlv-type
  </lldp-remote-unknown-tlv-type>
  <lldp-remote-unknown-tlv-info>
    lldp-remote-unknown-tlv-info
  </lldp-remote-unknown-tlv-info>
</lldp-neighbor-information>
```

#### Description

### <lldp-neighbor-information>

#### Usage

```
<lldp-neighbors-information>
<lldp-neighbor-information>
  <lldp-index>
    lldp-index
  </lldp-index>
  <lldp-ttl>
    lldp-ttl
  </lldp-ttl>
  <lldp-timemark>
    lldp-timemark
  </lldp-timemark>
  <lldp-age>
    lldp-age
  </lldp-age>
  <lldp-local-interface>
    lldp-local-interface
  </lldp-local-interface>
  <lldp-local-port-id>
    lldp-local-port-id
  </lldp-local-port-id>
  <lldp-remote-chassis-id-subtype>
    lldp-remote-chassis-id-subtype
  </lldp-remote-chassis-id-subtype>
  <lldp-remote-chassis-id>
    lldp-remote-chassis-id
```



```
</lldp-remote-chassis-id>
<lldp-remote-port-id-subtype>
  lldp-remote-port-id-subtype
</lldp-remote-port-id-subtype>
<lldp-remote-port-id>
  lldp-remote-port-id
</lldp-remote-port-id>
<lldp-remote-port-description>
  lldp-remote-port-description
</lldp-remote-port-description>
<lldp-remote-system-name>
  lldp-remote-system-name
</lldp-remote-system-name>
<lldp-system-description>....</lldp-system-description>
<lldp-remote-system-capabilities-supported>
  lldp-remote-system-capabilities-supported
</lldp-remote-system-capabilities-supported>
<lldp-remote-system-capabilities-enabled>
  lldp-remote-system-capabilities-enabled
</lldp-remote-system-capabilities-enabled>
<lldp-remote-inventory-network-policy>
  lldp-remote-inventory-network-policy
</lldp-remote-inventory-network-policy>
<lldp-remote-inventory-hardware-revision>
  lldp-remote-inventory-hardware-revision
</lldp-remote-inventory-hardware-revision>
<lldp-remote-inventory-firmware-revision>
  lldp-remote-inventory-firmware-revision
</lldp-remote-inventory-firmware-revision>
<lldp-remote-inventory-software-revision>
  lldp-remote-inventory-software-revision
</lldp-remote-inventory-software-revision>
<lldp-remote-inventory-serial-number>
  lldp-remote-inventory-serial-number
</lldp-remote-inventory-serial-number>
<lldp-remote-inventory-manufacturer-name>
  lldp-remote-inventory-manufacturer-name
</lldp-remote-inventory-manufacturer-name>
<lldp-remote-inventory-model-name>
  lldp-remote-inventory-model-name
</lldp-remote-inventory-model-name>
<lldp-remote-inventory-asset-id>
  lldp-remote-inventory-asset-id
</lldp-remote-inventory-asset-id>
<lldp-remote-management-address-type>
  lldp-remote-management-address-type
</lldp-remote-management-address-type>
<lldp-remote-management-address>
  lldp-remote-management-address
</lldp-remote-management-address>
<lldp-remote-management-address-port-id>
  lldp-remote-management-address-port-id
</lldp-remote-management-address-port-id>
<lldp-remote-management-address-sub-type>
  lldp-remote-management-address-sub-type
</lldp-remote-management-address-sub-type>
```

```
<lldp-remote-management-address-interface-subtype>
  lldp-remote-management-address-interface-subtype
</lldp-remote-management-address-interface-subtype>
<lldp-remote-management-addr-oid>
  lldp-remote-management-addr-oid
</lldp-remote-management-addr-oid>
<lldp-remote-oui-802-3>
  lldp-remote-oui-802-3
</lldp-remote-oui-802-3>
<lldp-remote-oui-802-1>
  lldp-remote-oui-802-1
</lldp-remote-oui-802-1>
<lldp-remote-subtype>
  lldp-remote-subtype
</lldp-remote-subtype>
<lldp-remote-subtype-vlan>
  lldp-remote-subtype-vlan
</lldp-remote-subtype-vlan>
<lldp-remote-subtype-mac>
  lldp-remote-subtype-mac
</lldp-remote-subtype-mac>
<lldp-remote-subtype-lag>
  lldp-remote-subtype-lag
</lldp-remote-subtype-lag>
<lldp-remote-subtype-mtu>
  lldp-remote-subtype-mtu
</lldp-remote-subtype-mtu>
<lldp-remote-index>
  lldp-remote-index
</lldp-remote-index>
<lldp-remote-value>
  lldp-remote-value
</lldp-remote-value>
<lldp-remote-subtype-vlan-id>
  lldp-remote-subtype-vlan-id
</lldp-remote-subtype-vlan-id>
<lldp-remote-subtype-vlan-name>
  lldp-remote-subtype-vlan-name
</lldp-remote-subtype-vlan-name>
<lldp-remote-subtype-mac-autonegotiation>
  lldp-remote-subtype-mac-autonegotiation
</lldp-remote-subtype-mac-autonegotiation>
<lldp-remote-subtype-mac-pmd>
  lldp-remote-subtype-mac-pmd
</lldp-remote-subtype-mac-pmd>
<lldp-remote-subtype-mac-mau>
  lldp-remote-subtype-mac-mau
</lldp-remote-subtype-mac-mau>
<lldp-remote-subtype-lag-status>
  lldp-remote-subtype-lag-status
</lldp-remote-subtype-lag-status>
<lldp-remote-subtype-lag-portid>
  lldp-remote-subtype-lag-portid
</lldp-remote-subtype-lag-portid>
<lldp-remote-subtype-mtu-size>
  lldp-remote-subtype-mtu-size
```

```

</lldp-remote-subtype-mtu-size>
<lldp-remote-unknown-tlv-type>
  lldp-remote-unknown-tlv-type
</lldp-remote-unknown-tlv-type>
<lldp-remote-unknown-tlv-info>
  lldp-remote-unknown-tlv-info
</lldp-remote-unknown-tlv-info>
</lldp-neighbor-information>
</lldp-neighbors-information>

```

#### Description

### <lldp-neighbors-information>

#### Usage

```

<lldp-neighbors-information>
  <lldp-neighbor-information>....</lldp-neighbor-information>
</lldp-neighbors-information>

```

#### Description

### <lldp-remote-global-statistics>

#### Usage

```

<lldp-remote-global-statistics>
  <lldp-last-change-time>
    lldp-last-change-time
  </lldp-last-change-time>
  <lldp-inserts>
    lldp-inserts
  </lldp-inserts>
  <lldp-deletes>
    lldp-deletes
  </lldp-deletes>
  <lldp-drops>
    lldp-drops
  </lldp-drops>
  <lldp-ageouts>
    lldp-ageouts
  </lldp-ageouts>
</lldp-remote-global-statistics>

```

#### Description

### <lldp-statistics>

#### Usage

```

<lldp-statistics>
  <lldp-interface-statistics>....</lldp-interface-statistics>
</lldp-statistics>

```

#### Description

## <lldp-system-description>

### Usage

```
<lldp-neighbor-information>
  <lldp-system-description>
    <lldp-remote-system-description>
      lldp-remote-system-description
    </lldp-remote-system-description>
  </lldp-system-description>
</lldp-neighbor-information>
```

### Description

## <lldp-system-description>

### Usage

```
<lldp-neighbors-information>
  <lldp-neighbor-information>
    <lldp-system-description>
      <lldp-remote-system-description>
        lldp-remote-system-description
      </lldp-remote-system-description>
    </lldp-system-description>
  </lldp-neighbor-information>
</lldp-neighbors-information>
```

### Description

## Summary of Local Policy Decision Function Response Tags

---

## <acl-detail-flows>

### Usage

```
<lpdf-flows>
  <acl-detail-flows>
    <five-tuple>
      five-tuple
    </five-tuple>
    <application>
      application
    </application>
    <flow-direction>
      flow-direction
    </flow-direction>
    <flow-offload-status>
      flow-offload-status
    </flow-offload-status>
    <flow-actions>
      flow-actions
    </flow-actions>
    <packets-in>
      packets-in
    </packets-in>
```

```

    <bytes-in>
      bytes-in
    </bytes-in>
  </aapl-detail-flows>
</lpdf-flows>

```

**Description** Application aware access list detail flows

## <aapl-flows>

### Usage

```

<lpdf-flows>
  <aapl-flows>
    <five-tuple>
      five-tuple
    </five-tuple>
    <application>
      application
    </application>
    <flow-direction>
      flow-direction
    </flow-direction>
    <flow-offload-status>
      flow-offload-status
    </flow-offload-status>
    <flow-actions>
      flow-actions
    </flow-actions>
  </aapl-flows>
</lpdf-flows>

```

**Description** Application aware access list flows

## <flow-header>

### Usage

```

<lpdf-flows>
  <flow-header>
    <interface-name>
      interface-name
    </interface-name>
    <service-set-interface>
      service-set-interface
    </service-set-interface>
    <service-set-name>
      service-set-name
    </service-set-name>
    <current-number-flows>
      current-number-flows
    </current-number-flows>
    <high-water-flows>
      high-water-flows
  </flow-header>
</lpdf-flows>

```

```
</high-water-flows>
</flow-header>
</lpdf-flows>
```

**Description**    Flows header information

## <flows>

### Usage

```
<lpdf-flows>
<flows>
  <protocol>
    protocol
  </protocol>
  <source-address>
    source-address
  </source-address>
  <source-port>
    source-port
  </source-port>
  <destination-address>
    destination-address
  </destination-address>
  <destination-port>
    destination-port
  </destination-port>
  <application>
    application
  </application>
  <application-group>
    application-group
  </application-group>
</flows>
</lpdf-flows>
```

**Description**    Flows

## <lpdf-flows>

### Usage

```
<lpdf-flows>
  <flow-header>....</flow-header>
  <flows>....</flows>
  <acl-flows>....</acl-flows>
  <acl-detail-flows>....</acl-detail-flows>
</lpdf-flows>
```

**Description**    LPDF flows

## <lpdf-message>

### Usage

```
<lpdf-message>
  <message>
    message
  </message>
</lpdf-message>
```

### Description

## <lpdf-statistics>

### Usage

```
<lpdf-statistics>
  <statistics-header>....</statistics-header>
  <statistics>....</statistics>
</lpdf-statistics>
```

### Description

LPDF statistics

## <no-lpdf-statistics>

### Usage

```
<no-lpdf-statistics>
  <interface>
    interface
  </interface>
</no-lpdf-statistics>
```

### Description

## <statistics>

### Usage

```
<lpdf-statistics>
  <statistics>
    <application-group>
      application-group
    </application-group>
    <application>
      application
    </application>
    <packets-in>
      packets-in
    </packets-in>
    <bytes-in>
      bytes-in
    </bytes-in>
    <packets-out>
      packets-out
    </packets-out>
```

```
<bytes-out>
  bytes-out
</bytes-out>
</statistics>
</lpdf-statistics>
```

**Description**    Statistics

### <statistics-header>

#### Usage

```
<lpdf-statistics>
  <statistics-header>
    <interface-name>
      interface-name
    </interface-name>
    <service-set-name>
      service-set-name
    </service-set-name>
    <service-set-interface>
      service-set-interface
    </service-set-interface>
  </statistics-header>
</lpdf-statistics>
```

**Description**



## CHAPTER 11

# Operational Response Tag Elements Common to EX Series, M, MX, and T Series, and QFX Series

This chapter lists the Extensible Markup Language (XML) tag elements in the Junos XML application programming interface (API) that contain operational information. The Junos XML protocol and NETCONF servers return them in response to requests from client applications.

The tags listed in this chapter are common to devices belonging to the following platforms:

- EX Series
- M Series
- MX Series
- T Series
- QFX Series

The tags are divided into the following sections and listed in alphabetical order within each section.

- [Summary of IPSec Response Tags on page 6501](#)

## Summary of IPSec Response Tags

---

### <ah-statistics>

#### Usage

```
<ipsec-service-set-statistics>
  <ipsec-statistics>
    <ah-statistics>
      <ah-input-bytes>
        ah-input-bytes
      </ah-input-bytes>
      <ah-output-bytes>
        ah-output-bytes
      </ah-output-bytes>
      <ah-input-packets>
        ah-input-packets
```

```
</ah-input-packets>
<ah-output-packets>
  ah-output-packets
</ah-output-packets>
</ah-statistics>
</ipsec-statistics>
</ipsec-service-set-statistics>
```

#### Description

### <ah-statistics>

#### Usage

```
<ipsec-total-statistics>
  <ipsec-service-set-statistics>
    <ipsec-statistics>
      <ah-statistics>
        <ah-input-bytes>
          ah-input-bytes
        </ah-input-bytes>
        <ah-output-bytes>
          ah-output-bytes
        </ah-output-bytes>
        <ah-input-packets>
          ah-input-packets
        </ah-input-packets>
        <ah-output-packets>
          ah-output-packets
        </ah-output-packets>
      </ah-statistics>
    </ipsec-statistics>
  </ipsec-service-set-statistics>
</ipsec-total-statistics>
```

#### Description

### <ah-statistics>

#### Usage

```
<ipsec-total-statistics-information>
  <ipsec-service-set-statistics>
    <ipsec-statistics>
      <ah-statistics>
        <ah-input-bytes>
          ah-input-bytes
        </ah-input-bytes>
        <ah-output-bytes>
          ah-output-bytes
        </ah-output-bytes>
        <ah-input-packets>
          ah-input-packets
        </ah-input-packets>
        <ah-output-packets>
          ah-output-packets

```

```

    </ah-output-packets>
  </ah-statistics>
</ipsec-statistics>
</ipsec-service-set-statistics>
</ipsec-total-statistics-information>

```

#### Description

**<alternate-subject-list>**

#### Usage

```

<alternate-subject-list>
  <alternate-subject>
    alternate-subject
  </alternate-subject>
</alternate-subject-list>

```

#### Description

**<alternate-subject-list>**

#### Usage

```

<x509-certificate-info>
  <alternate-subject-list>
    <alternate-subject>
      alternate-subject
    </alternate-subject>
  </alternate-subject-list>
</x509-certificate-info>

```

#### Description

**<alternate-subject-list>**

#### Usage

```

<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <alternate-subject-list>
      <alternate-subject>
        alternate-subject
      </alternate-subject>
    </alternate-subject-list>
  </x509-certificate-info>
</x509-pki-certificate-info-list>

```

#### Description

**<alternate-subject-list>**

#### Usage

```

<x509-certificate-cache-info>
  <alternate-subject-list>

```

```
<alternate-subject>
  alternate-subject
</alternate-subject>
</alternate-subject-list>
</x509-certificate-cache-info>
```

#### Description

### <alternate-subject-list>

#### Usage

```
<x509-certificate-cache-info-list>
<x509-certificate-cache-info>
  <alternate-subject-list>
    <alternate-subject>
      alternate-subject
    </alternate-subject>
  </alternate-subject-list>
</x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

#### Description

### <auto-re-enrollment>

#### Usage

```
<auto-re-enrollment>
  <auto-re-enrollment-status>
    auto-re-enrollment-status
  </auto-re-enrollment-status>
  <auto-re-enrollment-next-trigger-time>
    auto-re-enrollment-next-trigger-time
  </auto-re-enrollment-next-trigger-time>
</auto-re-enrollment>
```

#### Description

### <auto-re-enrollment>

#### Usage

```
<x509-certificate-info>
  <auto-re-enrollment>
    <auto-re-enrollment-status>
      auto-re-enrollment-status
    </auto-re-enrollment-status>
    <auto-re-enrollment-next-trigger-time>
      auto-re-enrollment-next-trigger-time
    </auto-re-enrollment-next-trigger-time>
  </auto-re-enrollment>
</x509-certificate-info>
```

#### Description

### <auto-re-enrollment>

#### Usage

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <auto-re-enrollment>
      <auto-re-enrollment-status>
        auto-re-enrollment-status
      </auto-re-enrollment-status>
      <auto-re-enrollment-next-trigger-time>
        auto-re-enrollment-next-trigger-time
      </auto-re-enrollment-next-trigger-time>
    </auto-re-enrollment>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

#### Description

### <ca-certificate-enroll>

#### Usage

```
<ca-certificate-enroll>
  <ca-subject>
    ca-subject
  </ca-subject>
  <fingerprint>.....</fingerprint>
</ca-certificate-enroll>
```

**Description** Dump the subject and fingerprint of received CA certificate

### <ca-certificate-enroll>

#### Usage

```
<ca-certificate-enroll-list>
  <ca-certificate-enroll>
    <ca-subject>
      ca-subject
    </ca-subject>
    <fingerprint>.....</fingerprint>
  </ca-certificate-enroll>
</ca-certificate-enroll-list>
```

**Description** Dump the subject and fingerprint of received CA certificate

### <ca-certificate-enroll-list>

#### Usage

```
<ca-certificate-enroll-list>
  <ca-certificate-enroll-msg>
    ca-certificate-enroll-msg
  </ca-certificate-enroll-msg>
```

```
<ca-certificate-enroll>....</ca-certificate-enroll>
</ca-certificate-enroll-list>
```

**Description****<cert-ca-load-status>****Usage**

```
<cert-ca-load-status>
  <cert-ca-profile>
    cert-ca-profile
  </cert-ca-profile>
</cert-ca-load-status>
```

**Description** Certificate Authority certificate load status

**<cert-ca-manual-load>****Usage**

```
<cert-ca-manual-load>
  <fingerprint>....</fingerprint>
</cert-ca-manual-load>
```

**Description** CA certificate manual-load prompt

**<cert-flag-info>****Usage**

```
<cert-flag-info>
  <cert-flag-trust>
    cert-flag-trust
  </cert-flag-trust>
  <cert-flag-root>
    cert-flag-root
  </cert-flag-root>
</cert-flag-info>
```

**Description** Information about state of certificates present in the cache

**<cert-flag-info>****Usage**

```
<x509-certificate-cache-info>
  <cert-flag-info>
    <cert-flag-trust>
      cert-flag-trust
    </cert-flag-trust>
    <cert-flag-root>
      cert-flag-root
    </cert-flag-root>
  </cert-flag-info>
```

```

    </cert-flag-info>
  </x509-certificate-cache-info>

```

**Description** Information about state of certificates present in the cache

### <cert-flag-info>

#### Usage

```

<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <cert-flag-info>
      <cert-flag-trust>
        cert-flag-trust
      </cert-flag-trust>
      <cert-flag-root>
        cert-flag-root
      </cert-flag-root>
    </cert-flag-info>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>

```

**Description** Information about state of certificates present in the cache

### <cert-key-pair>

#### Usage

```

<cert-key-pair>
  <cert-key-pair-name>
    cert-key-pair-name
  </cert-key-pair-name>
  <cert-key-pair-size>
    cert-key-pair-size
  </cert-key-pair-size>
</cert-key-pair>

```

**Description** Generate key pair status

### <cert-load-status>

#### Usage

```

<cert-load-status>
  <cert-certificate-id>
    cert-certificate-id
  </cert-certificate-id>
</cert-load-status>

```

**Description** Local certificate load status

### <cert-request-dump>

#### Usage

```
<cert-request-dump>
  <cert-request-dump-msg>
    cert-request-dump-msg
  </cert-request-dump-msg>
  <cert-request-dump-file>....</cert-request-dump-file>
  <fingerprint>....</fingerprint>
</cert-request-dump>
```

**Description** Dump the generated certificate request

### <cert-request-dump-file>

#### Usage

```
<cert-request-dump>
  <cert-request-dump-file>
    <cert-request-dump-file-content>
      cert-request-dump-file-content
    </cert-request-dump-file-content>
  </cert-request-dump-file>
</cert-request-dump>
```

**Description** File contents

### <certificate-information>

#### Usage

```
<certificate-information>
  <certificates>....</certificates>
  <total-entries>
    total-entries
  </total-entries>
  <active-entries>
    active-entries
  </active-entries>
  <locked-entries>
    locked-entries
  </locked-entries>
  <db-stats>....</db-stats>
</certificate-information>
```

**Description**

### <certificates>

#### Usage

```
<certificates>
  <cert-subject>
    cert-subject
```



```

</cert-subject>
<cert-serial>
  cert-serial
</cert-serial>
<cert-id>
  cert-id
</cert-id>
<cert-references>
  cert-references
</cert-references>
<cert-issuer>
  cert-issuer
</cert-issuer>
<cert-trust>
  cert-trust
</cert-trust>
<cert-root>
  cert-root
</cert-root>
<cert-crl>
  cert-crl
</cert-crl>
<cert-before>
  cert-before
</cert-before>
<cert-after>
  cert-after
</cert-after>
<x509>....</x509>
</certificates>

```

**Description** Information about a single certificate

## <certificates>

### Usage

```

<certificate-information>
  <certificates>
    <cert-subject>
      cert-subject
    </cert-subject>
    <cert-serial>
      cert-serial
    </cert-serial>
    <cert-id>
      cert-id
    </cert-id>
    <cert-references>
      cert-references
    </cert-references>
    <cert-issuer>
      cert-issuer
    </cert-issuer>
    <cert-trust>

```

```
cert-trust
</cert-trust>
<cert-root>
cert-root
</cert-root>
<cert-crl>
cert-crl
</cert-crl>
<cert-before>
cert-before
</cert-before>
<cert-after>
cert-after
</cert-after>
<x509>....</x509>
</certificates>
</certificate-information>
```

**Description** Information about a single certificate

<crl>

**Usage**

```
<crl>
<cert-issuer>
cert-issuer
</cert-issuer>
<cert-id>
cert-id
</cert-id>
<cert-references>
cert-references
</cert-references>
<crl-list>....</crl-list>
</crl>
```

**Description**

<crl>

**Usage**

```
<crl-information>
<crl>
<cert-issuer>
cert-issuer
</cert-issuer>
<cert-id>
cert-id
</cert-id>
<cert-references>
cert-references
</cert-references>
<crl-list>....</crl-list>
```

```
</crl>
</crl-information>
```

#### Description

**<crl-information>**

#### Usage

```
<crl-information>
<crl>....</crl>
</crl-information>
```

#### Description

**<crl-issuer-alternate-subject-list>**

#### Usage

```
<crl-issuer-alternate-subject-list>
<crl-issuer-alternate-subject>
  crl-issuer-alternate-subject
</crl-issuer-alternate-subject>
</crl-issuer-alternate-subject-list>
```

#### Description

**<crl-issuer-alternate-subject-list>**

#### Usage

```
<x509-crl-information>
  <crl-issuer-alternate-subject-list>
    <crl-issuer-alternate-subject>
      crl-issuer-alternate-subject
    </crl-issuer-alternate-subject>
  </crl-issuer-alternate-subject-list>
</x509-crl-information>
```

#### Description

**<crl-issuer-alternate-subject-list>**

#### Usage

```
<x509-pki-crl-information-list>
  <x509-crl-information>
    <crl-issuer-alternate-subject-list>
      <crl-issuer-alternate-subject>
        crl-issuer-alternate-subject
      </crl-issuer-alternate-subject>
    </crl-issuer-alternate-subject-list>
  </x509-crl-information>
</x509-pki-crl-information-list>
```

**Description****<crl-issuer-detail>****Usage**

```
<x509-crl-information>
  <crl-issuer-detail>
    <distinguished-name>....</distinguished-name>
  </crl-issuer-detail>
</x509-crl-information>
```

**Description** Distinguished name of CRL issuer

**<crl-issuer-detail>****Usage**

```
<x509-pki-crl-information-list>
  <x509-crl-information>
    <crl-issuer-detail>
      <distinguished-name>....</distinguished-name>
    </crl-issuer-detail>
  </x509-crl-information>
</x509-pki-crl-information-list>
```

**Description** Distinguished name of CRL issuer

**<crl-list>****Usage**

```
<crl>
  <crl-list>
    <serial>
      serial
    </serial>
    <revocation-date>
      revocation-date
    </revocation-date>
  </crl-list>
</crl>
```

**Description** Information about a single CRL entry

**<crl-list>****Usage**

```
<crl-list>
  <serial>
    serial
  </serial>
  <revocation-date>
    revocation-date
  </revocation-date>
```

```
</revocation-date>
</crl-list>
```

**Description** Information about a single CRL entry

### <crl-list>

**Usage**

```
<crl-information>
<crl>
  <crl-list>
    <serial>
      serial
    </serial>
    <revocation-date>
      revocation-date
    </revocation-date>
  </crl-list>
</crl>
</crl-information>
```

**Description** Information about a single CRL entry

### <crl-load-status>

**Usage**

```
<crl-load-status>
<ca-profile-name>
  ca-profile-name
</ca-profile-name>
</crl-load-status>
```

**Description** Status of manual load of certificate revocation list

### <crl-revocation-list>

**Usage**

```
<crl-revocation-list>
<revoked-cert-serial-number>
  revoked-cert-serial-number
</revoked-cert-serial-number>
<crl-revocation-date>
  crl-revocation-date
</crl-revocation-date>
</crl-revocation-list>
```

**Description**

### <crl-revocation-list>

#### Usage

```
<x509-crl-information>
  <crl-revocation-list>
    <revoked-cert-serial-number>
      revoked-cert-serial-number
    </revoked-cert-serial-number>
    <crl-revocation-date>
      crl-revocation-date
    </crl-revocation-date>
  </crl-revocation-list>
</x509-crl-information>
```

#### Description

### <crl-revocation-list>

#### Usage

```
<x509-pki-crl-information-list>
  <x509-crl-information>
    <crl-revocation-list>
      <revoked-cert-serial-number>
        revoked-cert-serial-number
      </revoked-cert-serial-number>
      <crl-revocation-date>
        crl-revocation-date
      </crl-revocation-date>
    </crl-revocation-list>
  </x509-crl-information>
</x509-pki-crl-information-list>
```

#### Description

### <crl-validity>

#### Usage

```
<crl-validity>
  <effective-date>
    effective-date
  </effective-date>
  <next-update>
    next-update
  </next-update>
</crl-validity>
```

**Description** Information about validity period for X.509 certificate revocation list

### <crl-validity>

#### Usage

```
<x509-crl-information>
```

```

<crl-validity>
  <effective-date>
    effective-date
  </effective-date>
  <next-update>
    next-update
  </next-update>
</crl-validity>
</x509-crl-information>

```

**Description** Information about validity period for X.509 certificate revocation list

### <crl-validity>

#### Usage

```

<x509-pki-crl-information-list>
  <x509-crl-information>
    <crl-validity>
      <effective-date>
        effective-date
      </effective-date>
      <next-update>
        next-update
      </next-update>
    </crl-validity>
  </x509-crl-information>
</x509-pki-crl-information-list>

```

**Description** Information about validity period for X.509 certificate revocation list

### <db-stats>

#### Usage

```

<certificate-information>
  <db-stats>
</db-stats>
</certificate-information>

```

**Description**

### <distinguished-name>

#### Usage

```

<distinguished-name>
  <organization-name>
    organization-name
  </organization-name>
  <organizational-unit-name>
    organizational-unit-name
  </organizational-unit-name>
  <country-name>

```

```
country-name
</country-name>
<state-or-province-name>
state-or-province-name
</state-or-province-name>
<locality-name>
locality-name
</locality-name>
<common-name>
common-name
</common-name>
<email-address>
email-address
</email-address>
<domain-component>
domain-component
</domain-component>
</distinguished-name>
```

#### Description

<distinguished-name>

#### Usage

```
<x509-certificate-info>
<issuer>
<distinguished-name>
<organization-name>
organization-name
</organization-name>
<organizational-unit-name>
organizational-unit-name
</organizational-unit-name>
<country-name>
country-name
</country-name>
<state-or-province-name>
state-or-province-name
</state-or-province-name>
<locality-name>
locality-name
</locality-name>
<common-name>
common-name
</common-name>
<email-address>
email-address
</email-address>
<domain-component>
domain-component
</domain-component>
</distinguished-name>
</issuer>
</x509-certificate-info>
```



**Description****<distinguished-name>****Usage**

```
<x509-certificate-info>
  <subject>
    <distinguished-name>
      <organization-name>
        organization-name
      </organization-name>
      <organizational-unit-name>
        organizational-unit-name
      </organizational-unit-name>
      <country-name>
        country-name
      </country-name>
      <state-or-province-name>
        state-or-province-name
      </state-or-province-name>
      <locality-name>
        locality-name
      </locality-name>
      <common-name>
        common-name
      </common-name>
      <email-address>
        email-address
      </email-address>
      <domain-component>
        domain-component
      </domain-component>
    </distinguished-name>
  </subject>
</x509-certificate-info>
```

**Description****<distinguished-name>****Usage**

```
<x509-crl-information>
  <crl-issuer-detail>
    <distinguished-name>
      <organization-name>
        organization-name
      </organization-name>
      <organizational-unit-name>
        organizational-unit-name
      </organizational-unit-name>
      <country-name>
        country-name
      </country-name>
      <state-or-province-name>
        state-or-province-name
      </state-or-province-name>
    </distinguished-name>
  </crl-issuer-detail>
</x509-crl-information>
```

```
</state-or-province-name>
<locality-name>
  locality-name
</locality-name>
<common-name>
  common-name
</common-name>
<email-address>
  email-address
</email-address>
<domain-component>
  domain-component
</domain-component>
</distinguished-name>
</crl-issuer-detail>
</x509-crl-information>
```

## Description

### <distinguished-name>

#### Usage

```
<x509-pki-certificate-info-list>
<x509-certificate-info>
  <issuer>
    <distinguished-name>
      <organization-name>
        organization-name
      </organization-name>
      <organizational-unit-name>
        organizational-unit-name
      </organizational-unit-name>
      <country-name>
        country-name
      </country-name>
      <state-or-province-name>
        state-or-province-name
      </state-or-province-name>
      <locality-name>
        locality-name
      </locality-name>
      <common-name>
        common-name
      </common-name>
      <email-address>
        email-address
      </email-address>
      <domain-component>
        domain-component
      </domain-component>
    </distinguished-name>
  </issuer>
</x509-certificate-info>
</x509-pki-certificate-info-list>
```

## Description

## &lt;distinguished-name&gt;

## Usage

```

<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <subject>
      <distinguished-name>
        <organization-name>
          organization-name
        </organization-name>
        <organizational-unit-name>
          organizational-unit-name
        </organizational-unit-name>
        <country-name>
          country-name
        </country-name>
        <state-or-province-name>
          state-or-province-name
        </state-or-province-name>
        <locality-name>
          locality-name
        </locality-name>
        <common-name>
          common-name
        </common-name>
        <email-address>
          email-address
        </email-address>
        <domain-component>
          domain-component
        </domain-component>
      </distinguished-name>
    </subject>
  </x509-certificate-info>
</x509-pki-certificate-info-list>

```

## Description

## &lt;distinguished-name&gt;

## Usage

```

<x509-pki-crl-information-list>
  <x509-crl-information>
    <crl-issuer-detail>
      <distinguished-name>
        <organization-name>
          organization-name
        </organization-name>
        <organizational-unit-name>
          organizational-unit-name
        </organizational-unit-name>
        <country-name>
          country-name

```

```
</country-name>
<state-or-province-name>
  state-or-province-name
</state-or-province-name>
<locality-name>
  locality-name
</locality-name>
<common-name>
  common-name
</common-name>
<email-address>
  email-address
</email-address>
<domain-component>
  domain-component
</domain-component>
</distinguished-name>
</crl-issuer-detail>
</x509-crl-information>
</x509-pki-crl-information-list>
```

**Description****<distribution-crl-list>****Usage**

```
<distribution-crl-list>
  <distribution-crl>
    distribution-crl
  </distribution-crl>
</distribution-crl-list>
```

**Description** Information about one or more distribution certificate revocation lists

**<distribution-crl-list>****Usage**

```
<x509-certificate-info>
  <distribution-crl-list>
    <distribution-crl>
      distribution-crl
    </distribution-crl>
  </distribution-crl-list>
</x509-certificate-info>
```

**Description** Information about one or more distribution certificate revocation lists

**<distribution-crl-list>****Usage**

```
<x509-pki-certificate-info-list>
```

```

<x509-certificate-info>
  <distribution-crl-list>
    <distribution-crl>
      distribution-crl
    </distribution-crl>
  </distribution-crl-list>
</x509-certificate-info>
</x509-pki-certificate-info-list>

```

**Description** Information about one or more distribution certificate revocation lists

### <distribution-crl-list>

#### Usage

```

<x509-certificate-cache-info>
  <distribution-crl-list>
    <distribution-crl>
      distribution-crl
    </distribution-crl>
  </distribution-crl-list>
</x509-certificate-cache-info>

```

**Description** Information about one or more distribution certificate revocation lists

### <distribution-crl-list>

#### Usage

```

<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <distribution-crl-list>
      <distribution-crl>
        distribution-crl
      </distribution-crl>
    </distribution-crl-list>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>

```

**Description** Information about one or more distribution certificate revocation lists

### <error-statistics>

#### Usage

```

<ipsec-service-set-statistics>
  <ipsec-statistics>
    <error-statistics>
      <ah-authentication-failures>
        ah-authentication-failures
      </ah-authentication-failures>
      <replay-errors>
        replay-errors
      </replay-errors>
    </error-statistics>
  </ipsec-statistics>
</ipsec-service-set-statistics>

```

```
<esp-authentication-failures>
  esp-authentication-failures
</esp-authentication-failures>
<esp-decryption-failures>
  esp-decryption-failures
</esp-decryption-failures>
<replay-pkts>
  replay-pkts
</replay-pkts>
<replay-before-window-drops>
  replay-before-window-drops
</replay-before-window-drops>
<bad-headers>
  bad-headers
</bad-headers>
<bad-trailers>
  bad-trailers
</bad-trailers>
<flow-errors>
  flow-errors
</flow-errors>
<no-sa-errors>
  no-sa-errors
</no-sa-errors>
<ip-integrity-errors>
  ip-integrity-errors
</ip-integrity-errors>
<exceeds-tunnel-mtu>
  exceeds-tunnel-mtu
</exceeds-tunnel-mtu>
<rule-lookup-fail>
  rule-lookup-fail
</rule-lookup-fail>
<misc-errors>
  misc-errors
</misc-errors>
</error-statistics>
</ipsec-statistics>
</ipsec-service-set-statistics>
```

## Description

### <error-statistics>

#### Usage

```
<ipsec-total-statistics>
  <ipsec-service-set-statistics>
    <ipsec-statistics>
      <error-statistics>
        <ah-authentication-failures>
          ah-authentication-failures
        </ah-authentication-failures>
        <replay-errors>
          replay-errors
        </replay-errors>
```

```

<esp-authentication-failures>
  esp-authentication-failures
</esp-authentication-failures>
<esp-decryption-failures>
  esp-decryption-failures
</esp-decryption-failures>
<replay-pkts>
  replay-pkts
</replay-pkts>
<replay-before-window-drops>
  replay-before-window-drops
</replay-before-window-drops>
<bad-headers>
  bad-headers
</bad-headers>
<bad-trailers>
  bad-trailers
</bad-trailers>
<flow-errors>
  flow-errors
</flow-errors>
<no-sa-errors>
  no-sa-errors
</no-sa-errors>
<ip-integrity-errors>
  ip-integrity-errors
</ip-integrity-errors>
<exceeds-tunnel-mtu>
  exceeds-tunnel-mtu
</exceeds-tunnel-mtu>
<rule-lookup-fail>
  rule-lookup-fail
</rule-lookup-fail>
<misc-errors>
  misc-errors
</misc-errors>
</error-statistics>
</ipsec-statistics>
</ipsec-service-set-statistics>
</ipsec-total-statistics>

```

## Description

### <error-statistics>

#### Usage

```

<ipsec-total-statistics-information>
  <ipsec-service-set-statistics>
    <ipsec-statistics>
      <error-statistics>
        <ah-authentication-failures>
          ah-authentication-failures
        </ah-authentication-failures>
        <replay-errors>
          replay-errors

```

```
</replay-errors>
<esp-authentication-failures>
  esp-authentication-failures
</esp-authentication-failures>
<esp-decryption-failures>
  esp-decryption-failures
</esp-decryption-failures>
<replay-pkts>
  replay-pkts
</replay-pkts>
<replay-before-window-drops>
  replay-before-window-drops
</replay-before-window-drops>
<bad-headers>
  bad-headers
</bad-headers>
<bad-trailers>
  bad-trailers
</bad-trailers>
<flow-errors>
  flow-errors
</flow-errors>
<no-sa-errors>
  no-sa-errors
</no-sa-errors>
<ip-integrity-errors>
  ip-integrity-errors
</ip-integrity-errors>
<exceeds-tunnel-mtu>
  exceeds-tunnel-mtu
</exceeds-tunnel-mtu>
<rule-lookup-fail>
  rule-lookup-fail
</rule-lookup-fail>
<misc-errors>
  misc-errors
</misc-errors>
</error-statistics>
</ipsec-statistics>
</ipsec-service-set-statistics>
</ipsec-total-statistics-information>
```

## Description

### <esp-statistics>

#### Usage

```
<ipsec-service-set-statistics>
<ipsec-statistics>
  <esp-statistics>
    <esp-encrypted-bytes>
      esp-encrypted-bytes
    </esp-encrypted-bytes>
    <esp-decrypt-bytes>
      esp-decrypt-bytes
```



```

    </esp-decryptd-bytes>
    <esp-encrypted-packets>
      esp-encrypted-packets
    </esp-encrypted-packets>
    <esp-decryptd-packets>
      esp-decryptd-packets
    </esp-decryptd-packets>
  </esp-statistics>
</ipsec-statistics>
</ipsec-service-set-statistics>

```

#### Description

#### <esp-statistics>

##### Usage

```

<ipsec-total-statistics>
  <ipsec-service-set-statistics>
    <ipsec-statistics>
      <esp-statistics>
        <esp-encrypted-bytes>
          esp-encrypted-bytes
        </esp-encrypted-bytes>
        <esp-decryptd-bytes>
          esp-decryptd-bytes
        </esp-decryptd-bytes>
        <esp-encrypted-packets>
          esp-encrypted-packets
        </esp-encrypted-packets>
        <esp-decryptd-packets>
          esp-decryptd-packets
        </esp-decryptd-packets>
      </esp-statistics>
    </ipsec-statistics>
  </ipsec-service-set-statistics>
</ipsec-total-statistics>

```

#### Description

#### <esp-statistics>

##### Usage

```

<ipsec-total-statistics-information>
  <ipsec-service-set-statistics>
    <ipsec-statistics>
      <esp-statistics>
        <esp-encrypted-bytes>
          esp-encrypted-bytes
        </esp-encrypted-bytes>
        <esp-decryptd-bytes>
          esp-decryptd-bytes
        </esp-decryptd-bytes>
        <esp-encrypted-packets>
          esp-encrypted-packets

```

```
</esp-encrypted-packets>
<esp-decrypted-packets>
  esp-decrypted-packets
</esp-decrypted-packets>
</esp-statistics>
</ipsec-statistics>
</ipsec-service-set-statistics>
</ipsec-total-statistics-information>
```

**Description****<fingerprint>****Usage**

```
<fingerprint>
  <fingerprint-hash-algorithm>
    fingerprint-hash-algorithm
  </fingerprint-hash-algorithm>
  <fingerprint-content>
    fingerprint-content
  </fingerprint-content>
</fingerprint>
```

**Description**    Fingerprint

**<fingerprint>****Usage**

```
<x509-certificate-info>
  <fingerprint>
    <fingerprint-hash-algorithm>
      fingerprint-hash-algorithm
    </fingerprint-hash-algorithm>
    <fingerprint-content>
      fingerprint-content
    </fingerprint-content>
  </fingerprint>
</x509-certificate-info>
```

**Description**    Fingerprint

**<fingerprint>****Usage**

```
<cert-ca-manual-load>
  <fingerprint>
    <fingerprint-hash-algorithm>
      fingerprint-hash-algorithm
    </fingerprint-hash-algorithm>
    <fingerprint-content>
      fingerprint-content
    </fingerprint-content>
  </fingerprint>
</cert-ca-manual-load>
```

```

    </fingerprint-content>
  </fingerprint>
</cert-ca-manual-load>

```

**Description** Fingerprint

### <fingerprint>

#### Usage

```

<cert-request-dump>
  <fingerprint>
    <fingerprint-hash-algorithm>
      fingerprint-hash-algorithm
    </fingerprint-hash-algorithm>
    <fingerprint-content>
      fingerprint-content
    </fingerprint-content>
  </fingerprint>
</cert-request-dump>

```

**Description** Fingerprint

### <fingerprint>

#### Usage

```

<ca-certificate-enroll>
  <fingerprint>
    <fingerprint-hash-algorithm>
      fingerprint-hash-algorithm
    </fingerprint-hash-algorithm>
    <fingerprint-content>
      fingerprint-content
    </fingerprint-content>
  </fingerprint>
</ca-certificate-enroll>

```

**Description** Fingerprint

### <fingerprint>

#### Usage

```

<ca-certificate-enroll-list>
  <ca-certificate-enroll>
    <fingerprint>
      <fingerprint-hash-algorithm>
        fingerprint-hash-algorithm
      </fingerprint-hash-algorithm>
      <fingerprint-content>
        fingerprint-content
      </fingerprint-content>
    </fingerprint>
  </ca-certificate-enroll>

```

```
</ca-certificate-enroll>
</ca-certificate-enroll-list>
```

**Description**    Fingerprint

### <fingerprint>

**Usage**

```
<x509-pki-certificate-info-list>
<x509-certificate-info>
  <fingerprint>
    <fingerprint-hash-algorithm>
      fingerprint-hash-algorithm
    </fingerprint-hash-algorithm>
    <fingerprint-content>
      fingerprint-content
    </fingerprint-content>
  </fingerprint>
</x509-certificate-info>
</x509-pki-certificate-info-list>
```

**Description**    Fingerprint

### <fingerprint>

**Usage**

```
<x509-certificate-cache-info>
  <fingerprint>
    <fingerprint-hash-algorithm>
      fingerprint-hash-algorithm
    </fingerprint-hash-algorithm>
    <fingerprint-content>
      fingerprint-content
    </fingerprint-content>
  </fingerprint>
</x509-certificate-cache-info>
```

**Description**    Fingerprint

### <fingerprint>

**Usage**

```
<x509-certificate-cache-info-list>
<x509-certificate-cache-info>
  <fingerprint>
    <fingerprint-hash-algorithm>
      fingerprint-hash-algorithm
    </fingerprint-hash-algorithm>
    <fingerprint-content>
      fingerprint-content
    </fingerprint-content>
```

```

    </fingerprint>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>

```

**Description**    Fingerprint

### <fips-pic-status>

#### Usage

```

<fips-pic-status>
  <fpc-slot>
    fpc-slot
  </fpc-slot>
  <pic-slot>
    pic-slot
  </pic-slot>
  <serial-number>
    serial-number
  </serial-number>
  <authorization-status>
    authorization-status
  </authorization-status>
</fips-pic-status>

```

**Description**

### <fips-pic-status>

#### Usage

```

<fips-pic-status-information>
  <fips-pic-status>
    <fpc-slot>
      fpc-slot
    </fpc-slot>
    <pic-slot>
      pic-slot
    </pic-slot>
    <serial-number>
      serial-number
    </serial-number>
    <authorization-status>
      authorization-status
    </authorization-status>
  </fips-pic-status>
</fips-pic-status-information>

```

**Description**

### <fips-pic-status-information>

#### Usage

```

<fips-pic-status-information>

```

```
<fips-pic-status>....</fips-pic-status>
</fips-pic-status-information>
```

#### Description

### <ike-sa-algorithms>

#### Usage

```
<ike-sa-algorithms>
  <ike-sa-authentication-algorithm>
    ike-sa-authentication-algorithm
  </ike-sa-authentication-algorithm>
  <ike-sa-encryption-algorithm>
    ike-sa-encryption-algorithm
  </ike-sa-encryption-algorithm>
  <ike-sa-prf-algorithm>
    ike-sa-prf-algorithm
  </ike-sa-prf-algorithm>
  <ike-sa-dhgroup>
    ike-sa-dhgroup
  </ike-sa-dhgroup>
</ike-sa-algorithms>
```

**Description** Algorithms used with the SA information

### <ike-sa-algorithms>

#### Usage

```
<ike-security-associations>
  <ike-sa-algorithms>
    <ike-sa-authentication-algorithm>
      ike-sa-authentication-algorithm
    </ike-sa-authentication-algorithm>
    <ike-sa-encryption-algorithm>
      ike-sa-encryption-algorithm
    </ike-sa-encryption-algorithm>
    <ike-sa-prf-algorithm>
      ike-sa-prf-algorithm
    </ike-sa-prf-algorithm>
    <ike-sa-dhgroup>
      ike-sa-dhgroup
    </ike-sa-dhgroup>
  </ike-sa-algorithms>
</ike-security-associations>
```

**Description** Algorithms used with the SA information

### <ike-sa-algorithms>

#### Usage

```
<ike-security-associations-block>
```

```

<ike-security-associations>
  <ike-sa-algorithms>
    <ike-sa-authentication-algorithm>
      ike-sa-authentication-algorithm
    </ike-sa-authentication-algorithm>
    <ike-sa-encryption-algorithm>
      ike-sa-encryption-algorithm
    </ike-sa-encryption-algorithm>
    <ike-sa-prf-algorithm>
      ike-sa-prf-algorithm
    </ike-sa-prf-algorithm>
    <ike-sa-dhgroup>
      ike-sa-dhgroup
    </ike-sa-dhgroup>
  </ike-sa-algorithms>
</ike-security-associations>
</ike-security-associations-block>

```

**Description** Algorithms used with the SA information

### <ike-sa-algorithms>

#### Usage

```

<ike-security-associations-information>
  <ike-security-associations>
    <ike-sa-algorithms>
      <ike-sa-authentication-algorithm>
        ike-sa-authentication-algorithm
      </ike-sa-authentication-algorithm>
      <ike-sa-encryption-algorithm>
        ike-sa-encryption-algorithm
      </ike-sa-encryption-algorithm>
      <ike-sa-prf-algorithm>
        ike-sa-prf-algorithm
      </ike-sa-prf-algorithm>
      <ike-sa-dhgroup>
        ike-sa-dhgroup
      </ike-sa-dhgroup>
    </ike-sa-algorithms>
  </ike-security-associations>
</ike-security-associations-information>

```

**Description** Algorithms used with the SA information

### <ike-sa-algorithms>

#### Usage

```

<ike-security-associations-information>
  <ike-security-associations-block>
    <ike-security-associations>
      <ike-sa-algorithms>
        <ike-sa-authentication-algorithm>

```

```
    ike-sa-authentication-algorithm
  </ike-sa-authentication-algorithm>
  <ike-sa-encryption-algorithm>
    ike-sa-encryption-algorithm
  </ike-sa-encryption-algorithm>
  <ike-sa-prf-algorithm>
    ike-sa-prf-algorithm
  </ike-sa-prf-algorithm>
  <ike-sa-dhgroup>
    ike-sa-dhgroup
  </ike-sa-dhgroup>
</ike-sa-algorithms>
</ike-security-associations>
</ike-security-associations-block>
</ike-security-associations-information>
```

**Description** Algorithms used with the SA information

### <ike-sa-misc>

#### Usage

```
<ike-sa-misc>
  <ike-sa-flags>
    ike-sa-flags
  </ike-sa-flags>
  <ike-sa-num-ipsec-sas-created>
    ike-sa-num-ipsec-sas-created
  </ike-sa-num-ipsec-sas-created>
  <ike-sa-num-ipsec-sas-deleted>
    ike-sa-num-ipsec-sas-deleted
  </ike-sa-num-ipsec-sas-deleted>
  <ike-sa-num-phase2-negotiations>
    ike-sa-num-phase2-negotiations
  </ike-sa-num-phase2-negotiations>
</ike-sa-misc>
```

**Description** Miscellaneous IKE SA information

### <ike-sa-misc>

#### Usage

```
<ike-security-associations>
  <ike-sa-misc>
    <ike-sa-flags>
      ike-sa-flags
    </ike-sa-flags>
    <ike-sa-num-ipsec-sas-created>
      ike-sa-num-ipsec-sas-created
    </ike-sa-num-ipsec-sas-created>
    <ike-sa-num-ipsec-sas-deleted>
      ike-sa-num-ipsec-sas-deleted
    </ike-sa-num-ipsec-sas-deleted>
```



```

    <ike-sa-num-phase2-negotiations>
      ike-sa-num-phase2-negotiations
    </ike-sa-num-phase2-negotiations>
  </ike-sa-misc>
</ike-security-associations>

```

**Description** Miscellaneous IKE SA information

### <ike-sa-misc>

#### Usage

```

<ike-security-associations-block>
  <ike-security-associations>
    <ike-sa-misc>
      <ike-sa-flags>
        ike-sa-flags
      </ike-sa-flags>
      <ike-sa-num-ipsec-sas-created>
        ike-sa-num-ipsec-sas-created
      </ike-sa-num-ipsec-sas-created>
      <ike-sa-num-ipsec-sas-deleted>
        ike-sa-num-ipsec-sas-deleted
      </ike-sa-num-ipsec-sas-deleted>
      <ike-sa-num-phase2-negotiations>
        ike-sa-num-phase2-negotiations
      </ike-sa-num-phase2-negotiations>
    </ike-sa-misc>
  </ike-security-associations>
</ike-security-associations-block>

```

**Description** Miscellaneous IKE SA information

### <ike-sa-misc>

#### Usage

```

<ike-security-associations-information>
  <ike-security-associations>
    <ike-sa-misc>
      <ike-sa-flags>
        ike-sa-flags
      </ike-sa-flags>
      <ike-sa-num-ipsec-sas-created>
        ike-sa-num-ipsec-sas-created
      </ike-sa-num-ipsec-sas-created>
      <ike-sa-num-ipsec-sas-deleted>
        ike-sa-num-ipsec-sas-deleted
      </ike-sa-num-ipsec-sas-deleted>
      <ike-sa-num-phase2-negotiations>
        ike-sa-num-phase2-negotiations
      </ike-sa-num-phase2-negotiations>
    </ike-sa-misc>
  </ike-security-associations>

```

```
</ike-security-associations-information>
```

**Description** Miscellaneous IKE SA information

### <ike-sa-misc>

#### Usage

```
<ike-security-associations-information>
  <ike-security-associations-block>
    <ike-security-associations>
      <ike-sa-misc>
        <ike-sa-flags>
          ike-sa-flags
        </ike-sa-flags>
        <ike-sa-num-ipsec-sas-created>
          ike-sa-num-ipsec-sas-created
        </ike-sa-num-ipsec-sas-created>
        <ike-sa-num-ipsec-sas-deleted>
          ike-sa-num-ipsec-sas-deleted
        </ike-sa-num-ipsec-sas-deleted>
        <ike-sa-num-phase2-negotiations>
          ike-sa-num-phase2-negotiations
        </ike-sa-num-phase2-negotiations>
      </ike-sa-misc>
    </ike-security-associations>
  </ike-security-associations-block>
</ike-security-associations-information>
```

**Description** Miscellaneous IKE SA information

### <ike-sa-phase2-information>

#### Usage

```
<ike-sa-phase2-information>
  <ike-sa-phase2-type>
    ike-sa-phase2-type
  </ike-sa-phase2-type>
  <ike-sa-role>
    ike-sa-role
  </ike-sa-role>
  <ike-sa-msg-id>
    ike-sa-msg-id
  </ike-sa-msg-id>
  <ike-sa-local-address>
    ike-sa-local-address
  </ike-sa-local-address>
  <ike-sa-local-port>
    ike-sa-local-port
  </ike-sa-local-port>
  <ike-sa-remote-address>
    ike-sa-remote-address
  </ike-sa-remote-address>
```

```

<ike-sa-remote-port>
  ike-sa-remote-port
</ike-sa-remote-port>
<ike-sa-local-id>
  ike-sa-local-id
</ike-sa-local-id>
<ike-sa-remote-id>
  ike-sa-remote-id
</ike-sa-remote-id>
<ike-sa-flags>
  ike-sa-flags
</ike-sa-flags>
</ike-sa-phase2-information>

```

**Description** Information about phase 2 negotiation

### <ike-sa-phase2-information>

#### Usage

```

<ike-security-associations>
  <ike-sa-phase2-information>
    <ike-sa-phase2-type>
      ike-sa-phase2-type
    </ike-sa-phase2-type>
    <ike-sa-role>
      ike-sa-role
    </ike-sa-role>
    <ike-sa-msg-id>
      ike-sa-msg-id
    </ike-sa-msg-id>
    <ike-sa-local-address>
      ike-sa-local-address
    </ike-sa-local-address>
    <ike-sa-local-port>
      ike-sa-local-port
    </ike-sa-local-port>
    <ike-sa-remote-address>
      ike-sa-remote-address
    </ike-sa-remote-address>
    <ike-sa-remote-port>
      ike-sa-remote-port
    </ike-sa-remote-port>
    <ike-sa-local-id>
      ike-sa-local-id
    </ike-sa-local-id>
    <ike-sa-remote-id>
      ike-sa-remote-id
    </ike-sa-remote-id>
    <ike-sa-flags>
      ike-sa-flags
    </ike-sa-flags>
  </ike-sa-phase2-information>
</ike-security-associations>

```

**Description** Information about phase 2 negotiation

### <ike-sa-phase2-information>

#### Usage

```
<ike-security-associations-block>
  <ike-security-associations>
    <ike-sa-phase2-information>
      <ike-sa-phase2-type>
        ike-sa-phase2-type
      </ike-sa-phase2-type>
      <ike-sa-role>
        ike-sa-role
      </ike-sa-role>
      <ike-sa-msg-id>
        ike-sa-msg-id
      </ike-sa-msg-id>
      <ike-sa-local-address>
        ike-sa-local-address
      </ike-sa-local-address>
      <ike-sa-local-port>
        ike-sa-local-port
      </ike-sa-local-port>
      <ike-sa-remote-address>
        ike-sa-remote-address
      </ike-sa-remote-address>
      <ike-sa-remote-port>
        ike-sa-remote-port
      </ike-sa-remote-port>
      <ike-sa-local-id>
        ike-sa-local-id
      </ike-sa-local-id>
      <ike-sa-remote-id>
        ike-sa-remote-id
      </ike-sa-remote-id>
      <ike-sa-flags>
        ike-sa-flags
      </ike-sa-flags>
    </ike-sa-phase2-information>
  </ike-security-associations>
</ike-security-associations-block>
```

**Description** Information about phase 2 negotiation

### <ike-sa-phase2-information>

#### Usage

```
<ike-security-associations-information>
  <ike-security-associations>
    <ike-sa-phase2-information>
      <ike-sa-phase2-type>
        ike-sa-phase2-type
      </ike-sa-phase2-type>
```

```

<ike-sa-role>
  ike-sa-role
</ike-sa-role>
<ike-sa-msg-id>
  ike-sa-msg-id
</ike-sa-msg-id>
<ike-sa-local-address>
  ike-sa-local-address
</ike-sa-local-address>
<ike-sa-local-port>
  ike-sa-local-port
</ike-sa-local-port>
<ike-sa-remote-address>
  ike-sa-remote-address
</ike-sa-remote-address>
<ike-sa-remote-port>
  ike-sa-remote-port
</ike-sa-remote-port>
<ike-sa-local-id>
  ike-sa-local-id
</ike-sa-local-id>
<ike-sa-remote-id>
  ike-sa-remote-id
</ike-sa-remote-id>
<ike-sa-flags>
  ike-sa-flags
</ike-sa-flags>
</ike-sa-phase2-information>
</ike-security-associations>
</ike-security-associations-information>

```

**Description** Information about phase 2 negotiation

### <ike-sa-phase2-information>

#### Usage

```

<ike-security-associations-information>
  <ike-sa-phase2-information>
    <ike-sa-phase2-type>
      ike-sa-phase2-type
    </ike-sa-phase2-type>
    <ike-sa-role>
      ike-sa-role
    </ike-sa-role>
    <ike-sa-msg-id>
      ike-sa-msg-id
    </ike-sa-msg-id>
    <ike-sa-local-address>
      ike-sa-local-address
    </ike-sa-local-address>
    <ike-sa-local-port>
      ike-sa-local-port
    </ike-sa-local-port>
    <ike-sa-remote-address>

```

```
    ike-sa-remote-address
  </ike-sa-remote-address>
  <ike-sa-remote-port>
    ike-sa-remote-port
  </ike-sa-remote-port>
  <ike-sa-local-id>
    ike-sa-local-id
  </ike-sa-local-id>
  <ike-sa-remote-id>
    ike-sa-remote-id
  </ike-sa-remote-id>
  <ike-sa-flags>
    ike-sa-flags
  </ike-sa-flags>
</ike-sa-phase2-information>
</ike-security-associations-information>
```

**Description** Information about phase 2 negotiation

### <ike-sa-phase2-information>

#### Usage

```
<ike-security-associations-information>
  <ike-security-associations-block>
    <ike-security-associations>
      <ike-sa-phase2-information>
        <ike-sa-phase2-type>
          ike-sa-phase2-type
        </ike-sa-phase2-type>
        <ike-sa-role>
          ike-sa-role
        </ike-sa-role>
        <ike-sa-msg-id>
          ike-sa-msg-id
        </ike-sa-msg-id>
        <ike-sa-local-address>
          ike-sa-local-address
        </ike-sa-local-address>
        <ike-sa-local-port>
          ike-sa-local-port
        </ike-sa-local-port>
        <ike-sa-remote-address>
          ike-sa-remote-address
        </ike-sa-remote-address>
        <ike-sa-remote-port>
          ike-sa-remote-port
        </ike-sa-remote-port>
        <ike-sa-local-id>
          ike-sa-local-id
        </ike-sa-local-id>
        <ike-sa-remote-id>
          ike-sa-remote-id
        </ike-sa-remote-id>
        <ike-sa-flags>
```

```
    ike-sa-flags
  </ike-sa-flags>
</ike-sa-phase2-information>
</ike-security-associations>
</ike-security-associations-block>
</ike-security-associations-information>
```

**Description** Information about phase 2 negotiation

### <ike-sa-traffic-statistics>

#### Usage

```
<ike-sa-traffic-statistics>
  <ike-sa-input-packets>
    ike-sa-input-packets
  </ike-sa-input-packets>
  <ike-sa-output-packets>
    ike-sa-output-packets
  </ike-sa-output-packets>
  <ike-sa-input-bytes>
    ike-sa-input-bytes
  </ike-sa-input-bytes>
  <ike-sa-output-bytes>
    ike-sa-output-bytes
  </ike-sa-output-bytes>
</ike-sa-traffic-statistics>
```

**Description** Number of packets and bytes received and transmitted on the SA

### <ike-sa-traffic-statistics>

#### Usage

```
<ike-security-associations>
  <ike-sa-traffic-statistics>
    <ike-sa-input-packets>
      ike-sa-input-packets
    </ike-sa-input-packets>
    <ike-sa-output-packets>
      ike-sa-output-packets
    </ike-sa-output-packets>
    <ike-sa-input-bytes>
      ike-sa-input-bytes
    </ike-sa-input-bytes>
    <ike-sa-output-bytes>
      ike-sa-output-bytes
    </ike-sa-output-bytes>
  </ike-sa-traffic-statistics>
</ike-security-associations>
```

**Description** Number of packets and bytes received and transmitted on the SA

### <ike-sa-traffic-statistics>

#### Usage

```
<ike-security-associations-block>
  <ike-security-associations>
    <ike-sa-traffic-statistics>
      <ike-sa-input-packets>
        ike-sa-input-packets
      </ike-sa-input-packets>
      <ike-sa-output-packets>
        ike-sa-output-packets
      </ike-sa-output-packets>
      <ike-sa-input-bytes>
        ike-sa-input-bytes
      </ike-sa-input-bytes>
      <ike-sa-output-bytes>
        ike-sa-output-bytes
      </ike-sa-output-bytes>
    </ike-sa-traffic-statistics>
  </ike-security-associations>
</ike-security-associations-block>
```

**Description** Number of packets and bytes received and transmitted on the SA

### <ike-sa-traffic-statistics>

#### Usage

```
<ike-security-associations-information>
  <ike-security-associations>
    <ike-sa-traffic-statistics>
      <ike-sa-input-packets>
        ike-sa-input-packets
      </ike-sa-input-packets>
      <ike-sa-output-packets>
        ike-sa-output-packets
      </ike-sa-output-packets>
      <ike-sa-input-bytes>
        ike-sa-input-bytes
      </ike-sa-input-bytes>
      <ike-sa-output-bytes>
        ike-sa-output-bytes
      </ike-sa-output-bytes>
    </ike-sa-traffic-statistics>
  </ike-security-associations>
</ike-security-associations-information>
```

**Description** Number of packets and bytes received and transmitted on the SA

### <ike-sa-traffic-statistics>

#### Usage

```
<ike-security-associations-information>
```



```

<ike-security-associations-block>
  <ike-security-associations>
    <ike-sa-traffic-statistics>
      <ike-sa-input-packets>
        ike-sa-input-packets
      </ike-sa-input-packets>
      <ike-sa-output-packets>
        ike-sa-output-packets
      </ike-sa-output-packets>
      <ike-sa-input-bytes>
        ike-sa-input-bytes
      </ike-sa-input-bytes>
      <ike-sa-output-bytes>
        ike-sa-output-bytes
      </ike-sa-output-bytes>
    </ike-sa-traffic-statistics>
  </ike-security-associations>
</ike-security-associations-block>
</ike-security-associations-information>

```

**Description** Number of packets and bytes received and transmitted on the SA

## <ike-security-associations>

### Usage

```

<ike-security-associations>
  <ike-sa-role>
    ike-sa-role
  </ike-sa-role>
  <ike-sa-state>
    ike-sa-state
  </ike-sa-state>
  <ike-sa-initiator-cookie>
    ike-sa-initiator-cookie
  </ike-sa-initiator-cookie>
  <ike-sa-responder-cookie>
    ike-sa-responder-cookie
  </ike-sa-responder-cookie>
  <ike-sa-exchange-type>
    ike-sa-exchange-type
  </ike-sa-exchange-type>
  <ike-sa-authentication-method>
    ike-sa-authentication-method
  </ike-sa-authentication-method>
  <ike-sa-local-address>
    ike-sa-local-address
  </ike-sa-local-address>
  <ike-sa-local-port>
    ike-sa-local-port
  </ike-sa-local-port>
  <ike-sa-remote-address>
    ike-sa-remote-address
  </ike-sa-remote-address>
  <ike-sa-remote-port>

```

```
    ike-sa-remote-port
  </ike-sa-remote-port>
  <ike-sa-lifetime>
    ike-sa-lifetime
  </ike-sa-lifetime>
  <ike-sa-algorithms>....</ike-sa-algorithms>
  <ike-sa-traffic-statistics>....</ike-sa-traffic-statistics>
  <ike-sa-misc>....</ike-sa-misc>
  <ike-sa-phase2-information>....</ike-sa-phase2-information>
</ike-security-associations>
```

**Description** Information about a single security association

## <ike-security-associations>

### Usage

```
<ike-security-associations-block>
  <ike-security-associations>
    <ike-sa-role>
      ike-sa-role
    </ike-sa-role>
    <ike-sa-state>
      ike-sa-state
    </ike-sa-state>
    <ike-sa-initiator-cookie>
      ike-sa-initiator-cookie
    </ike-sa-initiator-cookie>
    <ike-sa-responder-cookie>
      ike-sa-responder-cookie
    </ike-sa-responder-cookie>
    <ike-sa-exchange-type>
      ike-sa-exchange-type
    </ike-sa-exchange-type>
    <ike-sa-authentication-method>
      ike-sa-authentication-method
    </ike-sa-authentication-method>
    <ike-sa-local-address>
      ike-sa-local-address
    </ike-sa-local-address>
    <ike-sa-local-port>
      ike-sa-local-port
    </ike-sa-local-port>
    <ike-sa-remote-address>
      ike-sa-remote-address
    </ike-sa-remote-address>
    <ike-sa-remote-port>
      ike-sa-remote-port
    </ike-sa-remote-port>
    <ike-sa-lifetime>
      ike-sa-lifetime
    </ike-sa-lifetime>
    <ike-sa-algorithms>....</ike-sa-algorithms>
    <ike-sa-traffic-statistics>....</ike-sa-traffic-statistics>
    <ike-sa-misc>....</ike-sa-misc>
```

```

    <ike-sa-phase2-information>....</ike-sa-phase2-information>
  </ike-security-associations>
</ike-security-associations-block>

```

**Description** Information about a single security association

## <ike-security-associations>

### Usage

```

<ike-security-associations-information>
  <ike-security-associations>
    <ike-sa-role>
      ike-sa-role
    </ike-sa-role>
    <ike-sa-state>
      ike-sa-state
    </ike-sa-state>
    <ike-sa-initiator-cookie>
      ike-sa-initiator-cookie
    </ike-sa-initiator-cookie>
    <ike-sa-responder-cookie>
      ike-sa-responder-cookie
    </ike-sa-responder-cookie>
    <ike-sa-exchange-type>
      ike-sa-exchange-type
    </ike-sa-exchange-type>
    <ike-sa-authentication-method>
      ike-sa-authentication-method
    </ike-sa-authentication-method>
    <ike-sa-local-address>
      ike-sa-local-address
    </ike-sa-local-address>
    <ike-sa-local-port>
      ike-sa-local-port
    </ike-sa-local-port>
    <ike-sa-remote-address>
      ike-sa-remote-address
    </ike-sa-remote-address>
    <ike-sa-remote-port>
      ike-sa-remote-port
    </ike-sa-remote-port>
    <ike-sa-lifetime>
      ike-sa-lifetime
    </ike-sa-lifetime>
    <ike-sa-algorithms>....</ike-sa-algorithms>
    <ike-sa-traffic-statistics>....</ike-sa-traffic-statistics>
    <ike-sa-misc>....</ike-sa-misc>
    <ike-sa-phase2-information>....</ike-sa-phase2-information>
  </ike-security-associations>
</ike-security-associations-information>

```

**Description** Information about a single security association

## <ike-security-associations>

### Usage

```
<ike-security-associations-information>
<ike-security-associations-block>
  <ike-security-associations>
    <ike-sa-role>
      ike-sa-role
    </ike-sa-role>
    <ike-sa-state>
      ike-sa-state
    </ike-sa-state>
    <ike-sa-initiator-cookie>
      ike-sa-initiator-cookie
    </ike-sa-initiator-cookie>
    <ike-sa-responder-cookie>
      ike-sa-responder-cookie
    </ike-sa-responder-cookie>
    <ike-sa-exchange-type>
      ike-sa-exchange-type
    </ike-sa-exchange-type>
    <ike-sa-authentication-method>
      ike-sa-authentication-method
    </ike-sa-authentication-method>
    <ike-sa-local-address>
      ike-sa-local-address
    </ike-sa-local-address>
    <ike-sa-local-port>
      ike-sa-local-port
    </ike-sa-local-port>
    <ike-sa-remote-address>
      ike-sa-remote-address
    </ike-sa-remote-address>
    <ike-sa-remote-port>
      ike-sa-remote-port
    </ike-sa-remote-port>
    <ike-sa-lifetime>
      ike-sa-lifetime
    </ike-sa-lifetime>
    <ike-sa-algorithms>....</ike-sa-algorithms>
    <ike-sa-traffic-statistics>....</ike-sa-traffic-statistics>
    <ike-sa-misc>....</ike-sa-misc>
    <ike-sa-phase2-information>....</ike-sa-phase2-information>
  </ike-security-associations>
</ike-security-associations-block>
</ike-security-associations-information>
```

**Description** Information about a single security association

## <ike-security-associations-block>

### Usage

```
<ike-security-associations-block>
```

```

<ike-sa-remote-address>
  ike-sa-remote-address
</ike-sa-remote-address>
<ike-security-associations>....</ike-security-associations>
</ike-security-associations-block>

```

**Description** Information about a single security association block

### <ike-security-associations-block>

#### Usage

```

<ike-security-associations-information>
  <ike-security-associations-block>
    <ike-sa-remote-address>
      ike-sa-remote-address
    </ike-sa-remote-address>
    <ike-security-associations>....</ike-security-associations>
  </ike-security-associations-block>
</ike-security-associations-information>

```

**Description** Information about a single security association block

### <ike-security-associations-information>

#### Usage

```

<ike-security-associations-information>
  <ike-security-associations>....</ike-security-associations>
  <ike-sa-phase2-information>....</ike-sa-phase2-information>
  <ike-security-associations-block>....</ike-security-associations-block>
</ike-security-associations-information>

```

#### Description

### <ipsec-pic-redundancy>

#### Usage

```

<ipsec-pic-redundancy>
  <ipsec-redundancy-counter>
    ipsec-redundancy-counter
  </ipsec-redundancy-counter>
  <ipsec-redundancy-pic-no-information>
    ipsec-redundancy-pic-no-information
  </ipsec-redundancy-pic-no-information>
  <ipsec-pic-redundancy-primary-interface>
    ipsec-pic-redundancy-primary-interface
  </ipsec-pic-redundancy-primary-interface>
  <ipsec-pic-redundancy-backup-interface>
    ipsec-pic-redundancy-backup-interface
  </ipsec-pic-redundancy-backup-interface>
  <ipsec-redundancy-primary-state>
    ipsec-redundancy-primary-state

```

```
</ipsec-redundancy-primary-state>
<ipsec-redundancy-backup-state>
  ipsec-redundancy-backup-state
</ipsec-redundancy-backup-state>
</ipsec-pic-redundancy>
```

**Description** Information about ipsec pic redundancy

### <ipsec-pic-redundancy>

#### Usage

```
<ipsec-pic-redundancy-information>
  <ipsec-pic-redundancy>
    <ipsec-redundancy-counter>
      ipsec-redundancy-counter
    </ipsec-redundancy-counter>
    <ipsec-redundancy-pic-no-information>
      ipsec-redundancy-pic-no-information
    </ipsec-redundancy-pic-no-information>
    <ipsec-pic-redundancy-primary-interface>
      ipsec-pic-redundancy-primary-interface
    </ipsec-pic-redundancy-primary-interface>
    <ipsec-pic-redundancy-backup-interface>
      ipsec-pic-redundancy-backup-interface
    </ipsec-pic-redundancy-backup-interface>
    <ipsec-redundancy-primary-state>
      ipsec-redundancy-primary-state
    </ipsec-redundancy-primary-state>
    <ipsec-redundancy-backup-state>
      ipsec-redundancy-backup-state
    </ipsec-redundancy-backup-state>
  </ipsec-pic-redundancy>
</ipsec-pic-redundancy-information>
```

**Description** Information about ipsec pic redundancy

### <ipsec-pic-redundancy-information>

#### Usage

```
<ipsec-pic-redundancy-information>
  <ipsec-pic-redundancy>....</ipsec-pic-redundancy>
</ipsec-pic-redundancy-information>
```

#### Description

### <ipsec-service-set-statistics>

#### Usage

```
<ipsec-service-set-statistics>
  <pic-name>
    pic-name
```

```

</pic-name>
<service-set-name>
  service-set-name
</service-set-name>
<ipsec-statistics>....</ipsec-statistics>
</ipsec-service-set-statistics>

```

#### Description

#### <ipsec-service-set-statistics>

##### Usage

```

<ipsec-total-statistics>
<ipsec-service-set-statistics>
  <pic-name>
    pic-name
  </pic-name>
  <service-set-name>
    service-set-name
  </service-set-name>
  <ipsec-statistics>....</ipsec-statistics>
</ipsec-service-set-statistics>
</ipsec-total-statistics>

```

#### Description

#### <ipsec-service-set-statistics>

##### Usage

```

<ipsec-total-statistics-information>
<ipsec-service-set-statistics>
  <pic-name>
    pic-name
  </pic-name>
  <service-set-name>
    service-set-name
  </service-set-name>
  <ipsec-statistics>....</ipsec-statistics>
</ipsec-service-set-statistics>
</ipsec-total-statistics-information>

```

#### Description

#### <ipsec-statistics>

##### Usage

```

<ipsec-service-set-statistics>
<ipsec-statistics>
  <local-gateway>
    local-gateway
  </local-gateway>
  <remote-gateway>
    remote-gateway

```

```
</remote-gateway>
<tunnel-index>
  tunnel-index
</tunnel-index>
<esp-statistics>....</esp-statistics>
<ah-statistics>....</ah-statistics>
<error-statistics>....</error-statistics>
<statistics-no-information>
  statistics-no-information
</statistics-no-information>
</ipsec-statistics>
</ipsec-service-set-statistics>
```

#### Description

### <ipsec-statistics>

#### Usage

```
<ipsec-total-statistics>
<ipsec-service-set-statistics>
  <ipsec-statistics>
    <local-gateway>
      local-gateway
    </local-gateway>
    <remote-gateway>
      remote-gateway
    </remote-gateway>
    <tunnel-index>
      tunnel-index
    </tunnel-index>
    <esp-statistics>....</esp-statistics>
    <ah-statistics>....</ah-statistics>
    <error-statistics>....</error-statistics>
    <statistics-no-information>
      statistics-no-information
    </statistics-no-information>
  </ipsec-statistics>
</ipsec-service-set-statistics>
</ipsec-total-statistics>
```

#### Description

### <ipsec-statistics>

#### Usage

```
<ipsec-total-statistics-information>
<ipsec-service-set-statistics>
  <ipsec-statistics>
    <local-gateway>
      local-gateway
    </local-gateway>
    <remote-gateway>
      remote-gateway
    </remote-gateway>
```



```

<tunnel-index>
  tunnel-index
</tunnel-index>
<esp-statistics>....</esp-statistics>
<ah-statistics>....</ah-statistics>
<error-statistics>....</error-statistics>
<statistics-no-information>
  statistics-no-information
</statistics-no-information>
</ipsec-statistics>
</ipsec-service-set-statistics>
</ipsec-total-statistics-information>

```

#### Description

### <ipsec-total-statistics>

#### Usage

```

<ipsec-total-statistics>
  <ipsec-service-set-statistics>....</ipsec-service-set-statistics>
</ipsec-total-statistics>

```

#### Description

### <ipsec-total-statistics-information>

#### Usage

```

<ipsec-total-statistics-information>
  <ipsec-service-set-statistics>....</ipsec-service-set-statistics>
</ipsec-total-statistics-information>

```

#### Description

### <ipsec-tunnel-redundancy>

#### Usage

```

<ipsec-tunnel-redundancy>
  <sa-name>
    sa-name
  </sa-name>
  <ipsec-redundancy-counter>
    ipsec-redundancy-counter
  </ipsec-redundancy-counter>
  <ipsec-redundancy-tunnel-no-information>
    ipsec-redundancy-tunnel-no-information
  </ipsec-redundancy-tunnel-no-information>
  <ipsec-tunnel-redundancy-local-address>
    ipsec-tunnel-redundancy-local-address
  </ipsec-tunnel-redundancy-local-address>
  <ipsec-tunnel-redundancy-primary-remote-address>
    ipsec-tunnel-redundancy-primary-remote-address
  </ipsec-tunnel-redundancy-primary-remote-address>
  <ipsec-tunnel-redundancy-backup-remote-address>

```

```
    ipsec-tunnel-redundancy-backup-remote-address
  </ipsec-tunnel-redundancy-backup-remote-address>
  <ipsec-redundancy-primary-state>
    ipsec-redundancy-primary-state
  </ipsec-redundancy-primary-state>
  <ipsec-redundancy-backup-state>
    ipsec-redundancy-backup-state
  </ipsec-redundancy-backup-state>
</ipsec-tunnel-redundancy>
```

**Description** Information about ipsec tunnel redundancy

### <ipsec-tunnel-redundancy>

#### Usage

```
<ipsec-tunnel-redundancy-information>
  <ipsec-tunnel-redundancy>
    <sa-name>
      sa-name
    </sa-name>
    <ipsec-redundancy-counter>
      ipsec-redundancy-counter
    </ipsec-redundancy-counter>
    <ipsec-redundancy-tunnel-no-information>
      ipsec-redundancy-tunnel-no-information
    </ipsec-redundancy-tunnel-no-information>
    <ipsec-tunnel-redundancy-local-address>
      ipsec-tunnel-redundancy-local-address
    </ipsec-tunnel-redundancy-local-address>
    <ipsec-tunnel-redundancy-primary-remote-address>
      ipsec-tunnel-redundancy-primary-remote-address
    </ipsec-tunnel-redundancy-primary-remote-address>
    <ipsec-tunnel-redundancy-backup-remote-address>
      ipsec-tunnel-redundancy-backup-remote-address
    </ipsec-tunnel-redundancy-backup-remote-address>
    <ipsec-redundancy-primary-state>
      ipsec-redundancy-primary-state
    </ipsec-redundancy-primary-state>
    <ipsec-redundancy-backup-state>
      ipsec-redundancy-backup-state
    </ipsec-redundancy-backup-state>
  </ipsec-tunnel-redundancy>
</ipsec-tunnel-redundancy-information>
```

**Description** Information about ipsec tunnel redundancy

### <ipsec-tunnel-redundancy-information>

#### Usage

```
<ipsec-tunnel-redundancy-information>
  <ipsec-tunnel-redundancy>.....</ipsec-tunnel-redundancy>
```

</ipsec-tunnel-redundancy-information>

Description

<issue-info>

Usage

```
<issue-info>
  <recipient>
    recipient
  </recipient>
  <issued-by>
    issued-by
  </issued-by>
</issue-info>
```

Description

<issue-info>

Usage

```
<x509-certificate-info>
  <issue-info>
    <recipient>
      recipient
    </recipient>
    <issued-by>
      issued-by
    </issued-by>
  </issue-info>
</x509-certificate-info>
```

Description

<issue-info>

Usage

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <issue-info>
      <recipient>
        recipient
      </recipient>
      <issued-by>
        issued-by
      </issued-by>
    </issue-info>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

Description

**<issue-info>****Usage**

```
<x509-certificate-cache-info>
  <issue-info>
    <recipient>
      recipient
    </recipient>
    <issued-by>
      issued-by
    </issued-by>
  </issue-info>
</x509-certificate-cache-info>
```

**Description****<issue-info>****Usage**

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <issue-info>
      <recipient>
        recipient
      </recipient>
      <issued-by>
        issued-by
      </issued-by>
    </issue-info>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description****<issuer>****Usage**

```
<x509-certificate-info>
  <issuer>
    <distinguished-name>....</distinguished-name>
  </issuer>
</x509-certificate-info>
```

**Description**    Identifies the CA that issued certificate

**<issuer>****Usage**

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <issuer>
      <distinguished-name>....</distinguished-name>
```

```

    </issuer>
  </x509-certificate-info>
</x509-pki-certificate-info-list>

```

**Description** Identifies the CA that issued certificate

### <key-usage-list>

#### Usage

```

<key-usage-list>
  <key-usage>
    key-usage
  </key-usage>
</key-usage-list>

```

**Description**

### <key-usage-list>

#### Usage

```

<x509-certificate-info>
  <key-usage-list>
    <key-usage>
      key-usage
    </key-usage>
  </key-usage-list>
</x509-certificate-info>

```

**Description**

### <key-usage-list>

#### Usage

```

<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <key-usage-list>
      <key-usage>
        key-usage
      </key-usage>
    </key-usage-list>
  </x509-certificate-info>
</x509-pki-certificate-info-list>

```

**Description**

### <key-usage-list>

#### Usage

```

<x509-certificate-cache-info>
  <key-usage-list>
    <key-usage>

```

```
    key-usage
  </key-usage>
</key-usage-list>
</x509-certificate-cache-info>
```

**Description****<key-usage-list>****Usage**

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <key-usage-list>
      <key-usage>
        key-usage
      </key-usage>
    </key-usage-list>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description****<kmd-memory-usage>****Usage**

```
<kmd-memory-usage>
  <memory-block-type>
    memory-block-type
  </memory-block-type>
  <memory-in-use>
    memory-in-use
  </memory-in-use>
</kmd-memory-usage>
```

**Description** Information about key management daemon memory usage

**<kmd-memory-usage>****Usage**

```
<kmd-memory-usage-information>
  <kmd-memory-usage>
    <memory-block-type>
      memory-block-type
    </memory-block-type>
    <memory-in-use>
      memory-in-use
    </memory-in-use>
  </kmd-memory-usage>
</kmd-memory-usage-information>
```

**Description** Information about key management daemon memory usage

**<kmd-memory-usage-information>****Usage**

```

<kmd-memory-usage-information>
  <kmd-memory-usage>....</kmd-memory-usage>
</kmd-memory-usage-information>

```

**Description****<pki-scep>****Usage**

```

<pki-scep>
  <url>
    url
  </url>
  <ca-name>
    ca-name
  </ca-name>
  <ca-file>
    ca-file
  </ca-file>
  <key>
    key
  </key>
  <certificate-subject>
    certificate-subject
  </certificate-subject>
  <certificate-dns>
    certificate-dns
  </certificate-dns>
  <certificate-alternate-subject>
    certificate-alternate-subject
  </certificate-alternate-subject>
  <encoding>
    encoding
  </encoding>
  <message>
    message
  </message>
</pki-scep>

```

**Description** Simple Certificate Enrollment Protocol

**<public-key>****Usage**

```

<public-key>
  <public-key-algorithm>
    public-key-algorithm
  </public-key-algorithm>
  <public-key-length>
    public-key-length

```

```
</public-key-length>
<public-key-verification-status>
  public-key-verification-status
</public-key-verification-status>
</public-key>
```

**Description** Information about an X.509 public key

### <public-key>

#### Usage

```
<x509-certificate-info>
  <public-key>
    <public-key-algorithm>
      public-key-algorithm
    </public-key-algorithm>
    <public-key-length>
      public-key-length
    </public-key-length>
    <public-key-verification-status>
      public-key-verification-status
    </public-key-verification-status>
  </public-key>
</x509-certificate-info>
```

**Description** Information about an X.509 public key

### <public-key>

#### Usage

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <public-key>
      <public-key-algorithm>
        public-key-algorithm
      </public-key-algorithm>
      <public-key-length>
        public-key-length
      </public-key-length>
      <public-key-verification-status>
        public-key-verification-status
      </public-key-verification-status>
    </public-key>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

**Description** Information about an X.509 public key



**<public-key>****Usage**

```

<x509-certificate-cache-info>
  <public-key>
    <public-key-algorithm>
      public-key-algorithm
    </public-key-algorithm>
    <public-key-length>
      public-key-length
    </public-key-length>
    <public-key-verification-status>
      public-key-verification-status
    </public-key-verification-status>
  </public-key>
</x509-certificate-cache-info>

```

**Description** Information about an X.509 public key

**<public-key>****Usage**

```

<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <public-key>
      <public-key-algorithm>
        public-key-algorithm
      </public-key-algorithm>
      <public-key-length>
        public-key-length
      </public-key-length>
      <public-key-verification-status>
        public-key-verification-status
      </public-key-verification-status>
    </public-key>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>

```

**Description** Information about an X.509 public key

**<public-key-contents-list>****Usage**

```

<public-key-contents-list>
  <key-contents>
    key-contents
  </key-contents>
</public-key-contents-list>

```

**Description**

### <public-key-contents-list>

#### Usage

```
<x509-certificate-info>
  <public-key-contents-list>
    <key-contents>
      key-contents
    </key-contents>
  </public-key-contents-list>
</x509-certificate-info>
```

#### Description

### <public-key-contents-list>

#### Usage

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <public-key-contents-list>
      <key-contents>
        key-contents
      </key-contents>
    </public-key-contents-list>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

#### Description

### <public-key-contents-list>

#### Usage

```
<x509-certificate-cache-info>
  <public-key-contents-list>
    <key-contents>
      key-contents
    </key-contents>
  </public-key-contents-list>
</x509-certificate-cache-info>
```

#### Description

### <public-key-contents-list>

#### Usage

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <public-key-contents-list>
      <key-contents>
        key-contents
      </key-contents>
    </public-key-contents-list>
  </x509-certificate-cache-info>
```

```
</x509-certificate-cache-info-list>
```

## Description

**<sa-tunnel-information>**

## Usage

```
<security-associations-block>
  <sa-tunnel-information>
    <sa-rule-name>
      sa-rule-name
    </sa-rule-name>
    <sa-term-name>
      sa-term-name
    </sa-term-name>
    <sa-tunnel-index>
      sa-tunnel-index
    </sa-tunnel-index>
    <sa-local-gateway>
      sa-local-gateway
    </sa-local-gateway>
    <sa-remote-gateway>
      sa-remote-gateway
    </sa-remote-gateway>
    <sa-local-identity>
      sa-local-identity
    </sa-local-identity>
    <sa-remote-identity>
      sa-remote-identity
    </sa-remote-identity>
    <sa-inside-interface>
      sa-inside-interface
    </sa-inside-interface>
    <sa-tunnel-mtu>
      sa-tunnel-mtu
    </sa-tunnel-mtu>
    <sa-no-information>
      sa-no-information
    </sa-no-information>
  </sa-tunnel-information>
</security-associations-block>
```

## Description

**<sa-tunnel-information>**

## Usage

```
<services-security-associations-block>
  <sa-tunnel-information>
    <sa-rule-name>
      sa-rule-name
    </sa-rule-name>
    <sa-term-name>
      sa-term-name
```

```
</sa-term-name>
<sa-tunnel-index>
  sa-tunnel-index
</sa-tunnel-index>
<sa-local-gateway>
  sa-local-gateway
</sa-local-gateway>
<sa-remote-gateway>
  sa-remote-gateway
</sa-remote-gateway>
<sa-local-identity>
  sa-local-identity
</sa-local-identity>
<sa-remote-identity>
  sa-remote-identity
</sa-remote-identity>
<sa-inside-interface>
  sa-inside-interface
</sa-inside-interface>
<sa-tunnel-mtu>
  sa-tunnel-mtu
</sa-tunnel-mtu>
<sa-no-information>
  sa-no-information
</sa-no-information>
</sa-tunnel-information>
</services-security-associations-block>
```

## Description

### <sa-tunnel-information>

#### Usage

```
<sa-tunnel-information>
  <sa-rule-name>
    sa-rule-name
  </sa-rule-name>
  <sa-term-name>
    sa-term-name
  </sa-term-name>
  <sa-tunnel-index>
    sa-tunnel-index
  </sa-tunnel-index>
  <sa-local-gateway>
    sa-local-gateway
  </sa-local-gateway>
  <sa-remote-gateway>
    sa-remote-gateway
  </sa-remote-gateway>
  <sa-local-identity>
    sa-local-identity
  </sa-local-identity>
  <sa-remote-identity>
    sa-remote-identity
  </sa-remote-identity>
```

```

<sa-inside-interface>
  sa-inside-interface
</sa-inside-interface>
<sa-tunnel-mtu>
  sa-tunnel-mtu
</sa-tunnel-mtu>
<sa-no-information>
  sa-no-information
</sa-no-information>
</sa-tunnel-information>

```

## Description

### <sa-tunnel-information>

#### Usage

```

<security-associations-information>
  <security-associations-block>
    <sa-tunnel-information>
      <sa-rule-name>
        sa-rule-name
      </sa-rule-name>
      <sa-term-name>
        sa-term-name
      </sa-term-name>
      <sa-tunnel-index>
        sa-tunnel-index
      </sa-tunnel-index>
      <sa-local-gateway>
        sa-local-gateway
      </sa-local-gateway>
      <sa-remote-gateway>
        sa-remote-gateway
      </sa-remote-gateway>
      <sa-local-identity>
        sa-local-identity
      </sa-local-identity>
      <sa-remote-identity>
        sa-remote-identity
      </sa-remote-identity>
      <sa-inside-interface>
        sa-inside-interface
      </sa-inside-interface>
      <sa-tunnel-mtu>
        sa-tunnel-mtu
      </sa-tunnel-mtu>
      <sa-no-information>
        sa-no-information
      </sa-no-information>
    </sa-tunnel-information>
  </security-associations-block>
</security-associations-information>

```

## Description

## <sa-tunnel-information>

### Usage

```
<security-associations-information>
  <sa-tunnel-information>
    <sa-rule-name>
      sa-rule-name
    </sa-rule-name>
    <sa-term-name>
      sa-term-name
    </sa-term-name>
    <sa-tunnel-index>
      sa-tunnel-index
    </sa-tunnel-index>
    <sa-local-gateway>
      sa-local-gateway
    </sa-local-gateway>
    <sa-remote-gateway>
      sa-remote-gateway
    </sa-remote-gateway>
    <sa-local-identity>
      sa-local-identity
    </sa-local-identity>
    <sa-remote-identity>
      sa-remote-identity
    </sa-remote-identity>
    <sa-inside-interface>
      sa-inside-interface
    </sa-inside-interface>
    <sa-tunnel-mtu>
      sa-tunnel-mtu
    </sa-tunnel-mtu>
    <sa-no-information>
      sa-no-information
    </sa-no-information>
  </sa-tunnel-information>
</security-associations-information>
```

### Description

## <sa-tunnel-information>

### Usage

```
<services-security-associations-information>
  <services-security-associations-block>
    <sa-tunnel-information>
      <sa-rule-name>
        sa-rule-name
      </sa-rule-name>
      <sa-term-name>
        sa-term-name
      </sa-term-name>
      <sa-tunnel-index>
        sa-tunnel-index
```

```

</sa-tunnel-index>
<sa-local-gateway>
  sa-local-gateway
</sa-local-gateway>
<sa-remote-gateway>
  sa-remote-gateway
</sa-remote-gateway>
<sa-local-identity>
  sa-local-identity
</sa-local-identity>
<sa-remote-identity>
  sa-remote-identity
</sa-remote-identity>
<sa-inside-interface>
  sa-inside-interface
</sa-inside-interface>
<sa-tunnel-mtu>
  sa-tunnel-mtu
</sa-tunnel-mtu>
<sa-no-information>
  sa-no-information
</sa-no-information>
</sa-tunnel-information>
</services-security-associations-block>
</services-security-associations-information>

```

## Description

### <sa-tunnel-information>

#### Usage

```

<services-security-associations-information>
  <sa-tunnel-information>
    <sa-rule-name>
      sa-rule-name
    </sa-rule-name>
    <sa-term-name>
      sa-term-name
    </sa-term-name>
    <sa-tunnel-index>
      sa-tunnel-index
    </sa-tunnel-index>
    <sa-local-gateway>
      sa-local-gateway
    </sa-local-gateway>
    <sa-remote-gateway>
      sa-remote-gateway
    </sa-remote-gateway>
    <sa-local-identity>
      sa-local-identity
    </sa-local-identity>
    <sa-remote-identity>
      sa-remote-identity
    </sa-remote-identity>
    <sa-inside-interface>

```

```
    sa-inside-interface
  </sa-inside-interface>
  <sa-tunnel-mtu>
    sa-tunnel-mtu
  </sa-tunnel-mtu>
  <sa-no-information>
    sa-no-information
  </sa-no-information>
</sa-tunnel-information>
</services-security-associations-information>
```

## Description

### <security-associations>

#### Usage

```
<security-associations-block>
  <security-associations>
    <sa-direction>
      sa-direction
    </sa-direction>
    <sa-spi>
      sa-spi
    </sa-spi>
    <sa-aux-spi>
      sa-aux-spi
    </sa-aux-spi>
    <sa-state>
      sa-state
    </sa-state>
    <sa-mode>
      sa-mode
    </sa-mode>
    <sa-type>
      sa-type
    </sa-type>
    <sa-protocol>
      sa-protocol
    </sa-protocol>
    <sa-authentication-algorithm>
      sa-authentication-algorithm
    </sa-authentication-algorithm>
    <sa-encryption-algorithm>
      sa-encryption-algorithm
    </sa-encryption-algorithm>
    <sa-soft-lifetime>
      sa-soft-lifetime
    </sa-soft-lifetime>
    <sa-hard-lifetime>
      sa-hard-lifetime
    </sa-hard-lifetime>
    <sa-anti-replay-service>
      sa-anti-replay-service
    </sa-anti-replay-service>
    <sa-replay-window-size>
```



```

    sa-replay-window-size
  </sa-replay-window-size>
  <sa-authentication-key>
    sa-authentication-key
  </sa-authentication-key>
  <sa-encryption-key>
    sa-encryption-key
  </sa-encryption-key>
</security-associations>
</security-associations-block>

```

**Description** Information about a single security association

## <security-associations>

### Usage

```

<services-security-associations-block>
  <security-associations>
    <sa-direction>
      sa-direction
    </sa-direction>
    <sa-spi>
      sa-spi
    </sa-spi>
    <sa-aux-spi>
      sa-aux-spi
    </sa-aux-spi>
    <sa-state>
      sa-state
    </sa-state>
    <sa-mode>
      sa-mode
    </sa-mode>
    <sa-type>
      sa-type
    </sa-type>
    <sa-protocol>
      sa-protocol
    </sa-protocol>
    <sa-authentication-algorithm>
      sa-authentication-algorithm
    </sa-authentication-algorithm>
    <sa-encryption-algorithm>
      sa-encryption-algorithm
    </sa-encryption-algorithm>
    <sa-soft-lifetime>
      sa-soft-lifetime
    </sa-soft-lifetime>
    <sa-hard-lifetime>
      sa-hard-lifetime
    </sa-hard-lifetime>
    <sa-anti-replay-service>
      sa-anti-replay-service
    </sa-anti-replay-service>
  </security-associations>
</services-security-associations-block>

```

```
<sa-replay-window-size>
  sa-replay-window-size
</sa-replay-window-size>
<sa-authentication-key>
  sa-authentication-key
</sa-authentication-key>
<sa-encryption-key>
  sa-encryption-key
</sa-encryption-key>
</security-associations>
</services-security-associations-block>
```

**Description** Information about a single security association

## <security-associations>

### Usage

```
<security-associations>
  <sa-direction>
    sa-direction
  </sa-direction>
  <sa-spi>
    sa-spi
  </sa-spi>
  <sa-aux-spi>
    sa-aux-spi
  </sa-aux-spi>
  <sa-state>
    sa-state
  </sa-state>
  <sa-mode>
    sa-mode
  </sa-mode>
  <sa-type>
    sa-type
  </sa-type>
  <sa-protocol>
    sa-protocol
  </sa-protocol>
  <sa-authentication-algorithm>
    sa-authentication-algorithm
  </sa-authentication-algorithm>
  <sa-encryption-algorithm>
    sa-encryption-algorithm
  </sa-encryption-algorithm>
  <sa-soft-lifetime>
    sa-soft-lifetime
  </sa-soft-lifetime>
  <sa-hard-lifetime>
    sa-hard-lifetime
  </sa-hard-lifetime>
  <sa-anti-replay-service>
    sa-anti-replay-service
  </sa-anti-replay-service>
```

```

<sa-replay-window-size>
  sa-replay-window-size
</sa-replay-window-size>
<sa-authentication-key>
  sa-authentication-key
</sa-authentication-key>
<sa-encryption-key>
  sa-encryption-key
</sa-encryption-key>
</security-associations>

```

**Description** Information about a single security association

## <security-associations>

### Usage

```

<security-associations-information>
  <security-associations-block>
    <security-associations>
      <sa-direction>
        sa-direction
      </sa-direction>
      <sa-spi>
        sa-spi
      </sa-spi>
      <sa-aux-spi>
        sa-aux-spi
      </sa-aux-spi>
      <sa-state>
        sa-state
      </sa-state>
      <sa-mode>
        sa-mode
      </sa-mode>
      <sa-type>
        sa-type
      </sa-type>
      <sa-protocol>
        sa-protocol
      </sa-protocol>
      <sa-authentication-algorithm>
        sa-authentication-algorithm
      </sa-authentication-algorithm>
      <sa-encryption-algorithm>
        sa-encryption-algorithm
      </sa-encryption-algorithm>
      <sa-soft-lifetime>
        sa-soft-lifetime
      </sa-soft-lifetime>
      <sa-hard-lifetime>
        sa-hard-lifetime
      </sa-hard-lifetime>
      <sa-anti-replay-service>
        sa-anti-replay-service
    </security-associations>
  </security-associations-block>
</security-associations-information>

```

```
</sa-anti-replay-service>
<sa-replay-window-size>
  sa-replay-window-size
</sa-replay-window-size>
<sa-authentication-key>
  sa-authentication-key
</sa-authentication-key>
<sa-encryption-key>
  sa-encryption-key
</sa-encryption-key>
</security-associations>
</security-associations-block>
</security-associations-information>
```

**Description** Information about a single security association

## <security-associations>

### Usage

```
<security-associations-information>
<security-associations>
  <sa-direction>
    sa-direction
  </sa-direction>
  <sa-spi>
    sa-spi
  </sa-spi>
  <sa-aux-spi>
    sa-aux-spi
  </sa-aux-spi>
  <sa-state>
    sa-state
  </sa-state>
  <sa-mode>
    sa-mode
  </sa-mode>
  <sa-type>
    sa-type
  </sa-type>
  <sa-protocol>
    sa-protocol
  </sa-protocol>
  <sa-authentication-algorithm>
    sa-authentication-algorithm
  </sa-authentication-algorithm>
  <sa-encryption-algorithm>
    sa-encryption-algorithm
  </sa-encryption-algorithm>
  <sa-soft-lifetime>
    sa-soft-lifetime
  </sa-soft-lifetime>
  <sa-hard-lifetime>
    sa-hard-lifetime
  </sa-hard-lifetime>
```

```

<sa-anti-replay-service>
  sa-anti-replay-service
</sa-anti-replay-service>
<sa-replay-window-size>
  sa-replay-window-size
</sa-replay-window-size>
<sa-authentication-key>
  sa-authentication-key
</sa-authentication-key>
<sa-encryption-key>
  sa-encryption-key
</sa-encryption-key>
</security-associations>
</security-associations-information>

```

**Description** Information about a single security association

## <security-associations>

### Usage

```

<services-security-associations-information>
<services-security-associations-block>
  <security-associations>
    <sa-direction>
      sa-direction
    </sa-direction>
    <sa-spi>
      sa-spi
    </sa-spi>
    <sa-aux-spi>
      sa-aux-spi
    </sa-aux-spi>
    <sa-state>
      sa-state
    </sa-state>
    <sa-mode>
      sa-mode
    </sa-mode>
    <sa-type>
      sa-type
    </sa-type>
    <sa-protocol>
      sa-protocol
    </sa-protocol>
    <sa-authentication-algorithm>
      sa-authentication-algorithm
    </sa-authentication-algorithm>
    <sa-encryption-algorithm>
      sa-encryption-algorithm
    </sa-encryption-algorithm>
    <sa-soft-lifetime>
      sa-soft-lifetime
    </sa-soft-lifetime>
    <sa-hard-lifetime>

```

```
    sa-hard-lifetime
  </sa-hard-lifetime>
  <sa-anti-replay-service>
    sa-anti-replay-service
  </sa-anti-replay-service>
  <sa-replay-window-size>
    sa-replay-window-size
  </sa-replay-window-size>
  <sa-authentication-key>
    sa-authentication-key
  </sa-authentication-key>
  <sa-encryption-key>
    sa-encryption-key
  </sa-encryption-key>
</security-associations>
</services-security-associations-block>
</services-security-associations-information>
```

**Description** Information about a single security association

## <security-associations>

### Usage

```
<services-security-associations-information>
  <security-associations>
    <sa-direction>
      sa-direction
    </sa-direction>
    <sa-spi>
      sa-spi
    </sa-spi>
    <sa-aux-spi>
      sa-aux-spi
    </sa-aux-spi>
    <sa-state>
      sa-state
    </sa-state>
    <sa-mode>
      sa-mode
    </sa-mode>
    <sa-type>
      sa-type
    </sa-type>
    <sa-protocol>
      sa-protocol
    </sa-protocol>
    <sa-authentication-algorithm>
      sa-authentication-algorithm
    </sa-authentication-algorithm>
    <sa-encryption-algorithm>
      sa-encryption-algorithm
    </sa-encryption-algorithm>
    <sa-soft-lifetime>
      sa-soft-lifetime
```

```

</sa-soft-lifetime>
<sa-hard-lifetime>
  sa-hard-lifetime
</sa-hard-lifetime>
<sa-anti-replay-service>
  sa-anti-replay-service
</sa-anti-replay-service>
<sa-replay-window-size>
  sa-replay-window-size
</sa-replay-window-size>
<sa-authentication-key>
  sa-authentication-key
</sa-authentication-key>
<sa-encryption-key>
  sa-encryption-key
</sa-encryption-key>
</security-associations>
</services-security-associations-information>

```

**Description** Information about a single security association

### <security-associations-block>

#### Usage

```

<security-associations-block>
  <sa-name>
    sa-name
  </sa-name>
  <sa-block-state>
    sa-block-state
  </sa-block-state>
  <sa-tunnel-information>....</sa-tunnel-information>
  <security-associations>....</security-associations>
</security-associations-block>

```

**Description** Information about a single security association block

### <security-associations-block>

#### Usage

```

<security-associations-information>
  <security-associations-block>
    <sa-name>
      sa-name
    </sa-name>
    <sa-block-state>
      sa-block-state
    </sa-block-state>
    <sa-tunnel-information>....</sa-tunnel-information>
    <security-associations>....</security-associations>
  </security-associations-block>

```

</security-associations-information>

**Description** Information about a single security association block

### <security-associations-information>

#### Usage

```
<security-associations-information>
  <security-associations-block>....</security-associations-block>
  <sa-tunnel-information>....</sa-tunnel-information>
  <security-associations>....</security-associations>
</security-associations-information>
```

#### Description

### <serial-number-list>

#### Usage

```
<serial-number-list>
  <serial-number-x509>
    serial-number-x509
  </serial-number-x509>
</serial-number-list>
```

**Description** Serial numbers of one or more X.509 certificate

### <serial-number-list>

#### Usage

```
<x509-certificate-info>
  <serial-number-list>
    <serial-number-x509>
      serial-number-x509
    </serial-number-x509>
  </serial-number-list>
</x509-certificate-info>
```

**Description** Serial numbers of one or more X.509 certificate

### <serial-number-list>

#### Usage

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <serial-number-list>
      <serial-number-x509>
        serial-number-x509
      </serial-number-x509>
    </serial-number-list>
  </x509-certificate-info>
```



</x509-pki-certificate-info-list>

**Description** Serial numbers of one or more X.509 certificate

#### <serial-number-list>

##### Usage

```
<x509-certificate-cache-info>
  <serial-number-list>
    <serial-number-x509>
      serial-number-x509
    </serial-number-x509>
  </serial-number-list>
</x509-certificate-cache-info>
```

**Description** Serial numbers of one or more X.509 certificate

#### <serial-number-list>

##### Usage

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <serial-number-list>
      <serial-number-x509>
        serial-number-x509
      </serial-number-x509>
    </serial-number-list>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description** Serial numbers of one or more X.509 certificate

#### <service-set-info>

##### Usage

```
<service-set-info>
  <service-set-name>
    service-set-name
  </service-set-name>
  <total-cert-entries>
    total-cert-entries
  </total-cert-entries>
</service-set-info>
```

**Description** Information about service set and certificate cache statistics

### <service-set-info>

#### Usage

```
<x509-certificate-cache-info>
  <service-set-info>
    <service-set-name>
      service-set-name
    </service-set-name>
    <total-cert-entries>
      total-cert-entries
    </total-cert-entries>
  </service-set-info>
</x509-certificate-cache-info>
```

**Description** Information about service set and certificate cache statistics

### <service-set-info>

#### Usage

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <service-set-info>
      <service-set-name>
        service-set-name
      </service-set-name>
      <total-cert-entries>
        total-cert-entries
      </total-cert-entries>
    </service-set-info>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description** Information about service set and certificate cache statistics

### <services-security-associations-block>

#### Usage

```
<services-security-associations-block>
  <svc-set-name>
    svc-set-name
  </svc-set-name>
  <outside-service-interface-routing-instance>
    outside-service-interface-routing-instance
  </outside-service-interface-routing-instance>
  <sa-tunnel-information>....</sa-tunnel-information>
  <security-associations>....</security-associations>
  <tunnel-redundancy-extensive>....</tunnel-redundancy-extensive>
</services-security-associations-block>
```

**Description** Information about a single services security associations block

**<services-security-associations-block>****Usage**

```

<services-security-associations-information>
  <services-security-associations-block>
    <svc-set-name>
      svc-set-name
    </svc-set-name>
    <outside-service-interface-routing-instance>
      outside-service-interface-routing-instance
    </outside-service-interface-routing-instance>
    <sa-tunnel-information>....</sa-tunnel-information>
    <security-associations>....</security-associations>
    <tunnel-redundancy-extensive>....</tunnel-redundancy-extensive>
  </services-security-associations-block>
</services-security-associations-information>

```

**Description** Information about a single services security associations block

**<services-security-associations-information>****Usage**

```

<services-security-associations-information>
  <services-security-associations-block>....</services-security-associations-block>

  <sa-tunnel-information>....</sa-tunnel-information>
  <security-associations>....</security-associations>
  <tunnel-redundancy-extensive>....</tunnel-redundancy-extensive>
</services-security-associations-information>

```

**Description****<subject>****Usage**

```

<x509-certificate-info>
  <subject>
    <distinguished-name>....</distinguished-name>
  </subject>
</x509-certificate-info>

```

**Description** Information about certificate owner

**<subject>****Usage**

```

<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <subject>
      <distinguished-name>....</distinguished-name>
    </subject>

```

```
</x509-certificate-info>
</x509-pki-certificate-info-list>
```

**Description** Information about certificate owner

### <tunnel-redundancy-extensive>

#### Usage

```
<tunnel-redundancy-extensive>
  <ipsec-redundancy-counter>
    ipsec-redundancy-counter
  </ipsec-redundancy-counter>
  <ipsec-redundancy-tunnel-no-information>
    ipsec-redundancy-tunnel-no-information
  </ipsec-redundancy-tunnel-no-information>
  <ipsec-tunnel-redundancy-primary-remote-address>
    ipsec-tunnel-redundancy-primary-remote-address
  </ipsec-tunnel-redundancy-primary-remote-address>
  <ipsec-tunnel-redundancy-backup-remote-address>
    ipsec-tunnel-redundancy-backup-remote-address
  </ipsec-tunnel-redundancy-backup-remote-address>
  <ipsec-redundancy-primary-state>
    ipsec-redundancy-primary-state
  </ipsec-redundancy-primary-state>
  <ipsec-redundancy-backup-state>
    ipsec-redundancy-backup-state
  </ipsec-redundancy-backup-state>
</tunnel-redundancy-extensive>
```

**Description** Information about IPSec tunnel redundancy

### <tunnel-redundancy-extensive>

#### Usage

```
<services-security-associations-block>
  <tunnel-redundancy-extensive>
    <ipsec-redundancy-counter>
      ipsec-redundancy-counter
    </ipsec-redundancy-counter>
    <ipsec-redundancy-tunnel-no-information>
      ipsec-redundancy-tunnel-no-information
    </ipsec-redundancy-tunnel-no-information>
    <ipsec-tunnel-redundancy-primary-remote-address>
      ipsec-tunnel-redundancy-primary-remote-address
    </ipsec-tunnel-redundancy-primary-remote-address>
    <ipsec-tunnel-redundancy-backup-remote-address>
      ipsec-tunnel-redundancy-backup-remote-address
    </ipsec-tunnel-redundancy-backup-remote-address>
    <ipsec-redundancy-primary-state>
      ipsec-redundancy-primary-state
    </ipsec-redundancy-primary-state>
    <ipsec-redundancy-backup-state>
```

```

    ipsec-redundancy-backup-state
  </ipsec-redundancy-backup-state>
</tunnel-redundancy-extensive>
</services-security-associations-block>

```

**Description** Information about IPSec tunnel redundancy

### <tunnel-redundancy-extensive>

#### Usage

```

<services-security-associations-information>
  <services-security-associations-block>
    <tunnel-redundancy-extensive>
      <ipsec-redundancy-counter>
        ipsec-redundancy-counter
      </ipsec-redundancy-counter>
      <ipsec-redundancy-tunnel-no-information>
        ipsec-redundancy-tunnel-no-information
      </ipsec-redundancy-tunnel-no-information>
      <ipsec-tunnel-redundancy-primary-remote-address>
        ipsec-tunnel-redundancy-primary-remote-address
      </ipsec-tunnel-redundancy-primary-remote-address>
      <ipsec-tunnel-redundancy-backup-remote-address>
        ipsec-tunnel-redundancy-backup-remote-address
      </ipsec-tunnel-redundancy-backup-remote-address>
      <ipsec-redundancy-primary-state>
        ipsec-redundancy-primary-state
      </ipsec-redundancy-primary-state>
      <ipsec-redundancy-backup-state>
        ipsec-redundancy-backup-state
      </ipsec-redundancy-backup-state>
    </tunnel-redundancy-extensive>
  </services-security-associations-block>
</services-security-associations-information>

```

**Description** Information about IPSec tunnel redundancy

### <tunnel-redundancy-extensive>

#### Usage

```

<services-security-associations-information>
  <tunnel-redundancy-extensive>
    <ipsec-redundancy-counter>
      ipsec-redundancy-counter
    </ipsec-redundancy-counter>
    <ipsec-redundancy-tunnel-no-information>
      ipsec-redundancy-tunnel-no-information
    </ipsec-redundancy-tunnel-no-information>
    <ipsec-tunnel-redundancy-primary-remote-address>
      ipsec-tunnel-redundancy-primary-remote-address
    </ipsec-tunnel-redundancy-primary-remote-address>
    <ipsec-tunnel-redundancy-backup-remote-address>

```

```
    ipsec-tunnel-redundancy-backup-remote-address
  </ipsec-tunnel-redundancy-backup-remote-address>
  <ipsec-redundancy-primary-state>
    ipsec-redundancy-primary-state
  </ipsec-redundancy-primary-state>
  <ipsec-redundancy-backup-state>
    ipsec-redundancy-backup-state
  </ipsec-redundancy-backup-state>
</tunnel-redundancy-extensive>
</services-security-associations-information>
```

**Description** Information about IPSec tunnel redundancy

### <validity>

#### Usage

```
<validity>
  <not-before>
    not-before
  </not-before>
  <not-after>
    not-after
  </not-after>
</validity>
```

**Description** Information about validity period for X.509 certificate

### <validity>

#### Usage

```
<x509-certificate-info>
  <validity>
    <not-before>
      not-before
    </not-before>
    <not-after>
      not-after
    </not-after>
  </validity>
</x509-certificate-info>
```

**Description** Information about validity period for X.509 certificate

### <validity>

#### Usage

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <validity>
      <not-before>
        not-before
```

```

        </not-before>
        <not-after>
        not-after
        </not-after>
    </validity>
</x509-certificate-info>
</x509-pki-certificate-info-list>

```

**Description** Information about validity period for X.509 certificate

### <validity>

#### Usage

```

<x509-certificate-cache-info>
  <validity>
    <not-before>
    not-before
    </not-before>
    <not-after>
    not-after
    </not-after>
  </validity>
</x509-certificate-cache-info>

```

**Description** Information about validity period for X.509 certificate

### <validity>

#### Usage

```

<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <validity>
      <not-before>
      not-before
      </not-before>
      <not-after>
      not-after
      </not-after>
    </validity>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>

```

**Description** Information about validity period for X.509 certificate

### <x509>

#### Usage

```

<certificates>
  <x509>
    <x509-ip>
    x509-ip
  
```

```
</x509-ip>
<x509-dns>
  x509-dns
</x509-dns>
<x509-uri>
  x509-uri
</x509-uri>
<x509-email>
  x509-email
</x509-email>
</x509>
</certificates>
```

**Description** Information about a single x509 record

## <x509>

### Usage

```
<x509>
  <x509-ip>
    x509-ip
  </x509-ip>
  <x509-dns>
    x509-dns
  </x509-dns>
  <x509-uri>
    x509-uri
  </x509-uri>
  <x509-email>
    x509-email
  </x509-email>
</x509>
```

**Description** Information about a single x509 record

## <x509>

### Usage

```
<certificate-information>
  <certificates>
    <x509>
      <x509-ip>
        x509-ip
      </x509-ip>
      <x509-dns>
        x509-dns
      </x509-dns>
      <x509-uri>
        x509-uri
      </x509-uri>
      <x509-email>
        x509-email
      </x509-email>
    </x509>
  </certificates>
</certificate-information>
```



```

    </x509-email>
  </x509>
</certificates>
</certificate-information>

```

**Description** Information about a single x509 record

### <x509-certificate-cache-info>

#### Usage

```

<x509-certificate-cache-info>
  <service-set-info>....</service-set-info>
  <cert-flag-info>....</cert-flag-info>
  <issue-info>....</issue-info>
  <serial-number-list>....</serial-number-list>
  <public-key>....</public-key>
  <fingerprint>....</fingerprint>
  <public-key-contents-list>....</public-key-contents-list>
  <alternate-subject-list>....</alternate-subject-list>
  <key-usage-list>....</key-usage-list>
  <distribution-crl-list>....</distribution-crl-list>
  <signature-algorithm>
    signature-algorithm
  </signature-algorithm>
  <identifier>
    identifier
  </identifier>
  <validity>....</validity>
  <version>
    version
  </version>
  <certificate-cache-entry>
    certificate-cache-entry
  </certificate-cache-entry>
</x509-certificate-cache-info>

```

**Description** Information about an X.509 certificate present in the cache

### <x509-certificate-cache-info>

#### Usage

```

<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <service-set-info>....</service-set-info>
    <cert-flag-info>....</cert-flag-info>
    <issue-info>....</issue-info>
    <serial-number-list>....</serial-number-list>
    <public-key>....</public-key>
    <fingerprint>....</fingerprint>
    <public-key-contents-list>....</public-key-contents-list>
    <alternate-subject-list>....</alternate-subject-list>
    <key-usage-list>....</key-usage-list>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>

```

```
<distribution-crl-list>....</distribution-crl-list>
<signature-algorithm>
  signature-algorithm
</signature-algorithm>
<identifier>
  identifier
</identifier>
<validity>....</validity>
<version>
  version
</version>
<certificate-cache-entry>
  certificate-cache-entry
</certificate-cache-entry>
</x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description** Information about an X.509 certificate present in the cache

### <x509-certificate-cache-info-list>

#### Usage

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>....</x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description** Details of X.509 certificates present in the cache

### <x509-certificate-info>

#### Usage

```
<x509-certificate-info>
  <issue-info>....</issue-info>
  <serial-number-list>....</serial-number-list>
  <public-key>....</public-key>
  <fingerprint>....</fingerprint>
  <public-key-contents-list>....</public-key-contents-list>
  <alternate-subject-list>....</alternate-subject-list>
  <key-usage-list>....</key-usage-list>
  <distribution-crl-list>....</distribution-crl-list>
  <signature-algorithm>
    signature-algorithm
  </signature-algorithm>
  <identifier>
    identifier
  </identifier>
  <validity>....</validity>
  <version>
    version
  </version>
  <auto-re-enrollment>....</auto-re-enrollment>
  <certificate-type>
```

```

    certificate-type
  </certificate-type>
  <status>
    status
  </status>
  <issuer>....</issuer>
  <subject>....</subject>
</x509-certificate-info>

```

**Description** Detailed information about an X.509 certificate

### <x509-certificate-info>

#### Usage

```

<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <issue-info>....</issue-info>
    <serial-number-list>....</serial-number-list>
    <public-key>....</public-key>
    <fingerprint>....</fingerprint>
    <public-key-contents-list>....</public-key-contents-list>
    <alternate-subject-list>....</alternate-subject-list>
    <key-usage-list>....</key-usage-list>
    <distribution-crl-list>....</distribution-crl-list>
    <signature-algorithm>
      signature-algorithm
    </signature-algorithm>
    <identifier>
      identifier
    </identifier>
    <validity>....</validity>
    <version>
      version
    </version>
    <auto-re-enrollment>....</auto-re-enrollment>
    <certificate-type>
      certificate-type
    </certificate-type>
    <status>
      status
    </status>
    <issuer>....</issuer>
    <subject>....</subject>
  </x509-certificate-info>
</x509-pki-certificate-info-list>

```

**Description** Detailed information about an X.509 certificate

### <x509-crl-information>

#### Usage

```

<x509-crl-information>

```

```
<crl-number>
  crl-number
</crl-number>
<crl-revocation-list>....</crl-revocation-list>
<crl-validity>....</crl-validity>
<crl-version>
  crl-version
</crl-version>
<crl-issuer>
  crl-issuer
</crl-issuer>
<identifier>
  identifier
</identifier>
<crl-issuer-alternate-subject-list>....</crl-issuer-alternate-subject-list>
<crl-issuer-detail>....</crl-issuer-detail>
</x509-crl-information>
```

**Description** Detailed information about X.509 certificate revocation list

### <x509-crl-information>

#### Usage

```
<x509-pki-crl-information-list>
  <x509-crl-information>
    <crl-number>
      crl-number
    </crl-number>
    <crl-revocation-list>....</crl-revocation-list>
    <crl-validity>....</crl-validity>
    <crl-version>
      crl-version
    </crl-version>
    <crl-issuer>
      crl-issuer
    </crl-issuer>
    <identifier>
      identifier
    </identifier>
    <crl-issuer-alternate-subject-list>....</crl-issuer-alternate-subject-list>
    <crl-issuer-detail>....</crl-issuer-detail>
  </x509-crl-information>
</x509-pki-crl-information-list>
```

**Description** Detailed information about X.509 certificate revocation list

### <x509-pki-certificate-info-list>

#### Usage

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>....</x509-certificate-info>
```

</x509-pki-certificate-info-list>

**Description** X.509 certificate details

<x509-pki-crl-information-list>

**Usage**

```
<x509-pki-crl-information-list>
  <x509-crl-information>....</x509-crl-information>
</x509-pki-crl-information-list>
```

**Description** Detailed information about X.509 certificate revocation list



## CHAPTER 12

# Operational Response Tag Elements Common to J Series, M, MX, and T Series, and SRX Series

This chapter lists the Extensible Markup Language (XML) tag elements in the Junos XML application programming interface (API) that contain operational information. The Junos XML protocol and NETCONF servers return them in response to requests from client applications.

The tags listed in this chapter are common to devices belonging to the following platforms:

- J Series
- M Series
- MX Series
- T Series
- SRX Series

The tags are divided into the following sections and listed in alphabetical order within each section.

- [Summary of Connectivity Fault Management Response Tags on page 6587](#)
- [Summary of Chassis Response Tags on page 6831](#)
- [Summary of Layer 2 Control Protocol Response Tags on page 7061](#)

## Summary of Connectivity Fault Management Response Tags

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### <cfm-counters-route-socket-operations>

#### Usage

```
<cfm-counters-route-socket-operations>  
<cfm-route-socket-message-counters>....</cfm-route-socket-message-counters>  
  
</cfm-counters-route-socket-operations>
```

#### Description

## <cfm-counters-route-socket-received>

### Usage

```
<cfm-counters-route-socket-received>
<cfm-route-socket-message-counters>....</cfm-route-socket-message-counters>

</cfm-counters-route-socket-received>
```

### Description

## <cfm-cross-connect-session>

### Usage

```
<cfm-entry>
<cfm-cross-connect-sessions>
  <cfm-cross-connect-session>
    <cfm-session-defect-type>
      cfm-session-defect-type
    </cfm-session-defect-type>
    <cfm-session-defect-description>
      cfm-session-defect-description
    </cfm-session-defect-description>
    <cfm-level>
      cfm-level
    </cfm-level>
    <cfm-maintenance-domain-name>
      cfm-maintenance-domain-name
    </cfm-maintenance-domain-name>
    <cfm-maintenance-domain-name-format>
      cfm-maintenance-domain-name-format
    </cfm-maintenance-domain-name-format>
    <cfm-maintenance-association-name>
      cfm-maintenance-association-name
    </cfm-maintenance-association-name>
    <cfm-maintenance-association-name-format>
      cfm-maintenance-association-name-format
    </cfm-maintenance-association-name-format>
    <cfm-mep-identifier>
      cfm-mep-identifier
    </cfm-mep-identifier>
    <cfm-continuity-check-interval>
      cfm-continuity-check-interval
    </cfm-continuity-check-interval>
  </cfm-cross-connect-session>
</cfm-cross-connect-sessions>
</cfm-entry>
```

### Description

## <cfm-cross-connect-session>

### Usage

```
<cfm-interface>
```



```

<cfm-entry>
  <cfm-cross-connect-sessions>
    <cfm-cross-connect-session>
      <cfm-session-defect-type>
        cfm-session-defect-type
      </cfm-session-defect-type>
      <cfm-session-defect-description>
        cfm-session-defect-description
      </cfm-session-defect-description>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-domain-name-format>
        cfm-maintenance-domain-name-format
      </cfm-maintenance-domain-name-format>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-maintenance-association-name-format>
        cfm-maintenance-association-name-format
      </cfm-maintenance-association-name-format>
      <cfm-mep-identifier>
        cfm-mep-identifier
      </cfm-mep-identifier>
      <cfm-continuity-check-interval>
        cfm-continuity-check-interval
      </cfm-continuity-check-interval>
    </cfm-cross-connect-session>
  </cfm-cross-connect-sessions>
</cfm-entry>
</cfm-interface>

```

## Description

### <cfm-cross-connect-session>

#### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-cross-connect-sessions>
      <cfm-cross-connect-session>
        <cfm-session-defect-type>
          cfm-session-defect-type
        </cfm-session-defect-type>
        <cfm-session-defect-description>
          cfm-session-defect-description
        </cfm-session-defect-description>
        <cfm-level>
          cfm-level
        </cfm-level>
        <cfm-maintenance-domain-name>
          cfm-maintenance-domain-name

```

```
</cfm-maintenance-domain-name>
<cfm-maintenance-domain-name-format>
  cfm-maintenance-domain-name-format
</cfm-maintenance-domain-name-format>
<cfm-maintenance-association-name>
  cfm-maintenance-association-name
</cfm-maintenance-association-name>
<cfm-maintenance-association-name-format>
  cfm-maintenance-association-name-format
</cfm-maintenance-association-name-format>
<cfm-mep-identifier>
  cfm-mep-identifier
</cfm-mep-identifier>
<cfm-continuity-check-interval>
  cfm-continuity-check-interval
</cfm-continuity-check-interval>
</cfm-cross-connect-session>
</cfm-cross-connect-sessions>
</cfm-entry>
</cfm-mep-database>
```

## Description

### <cfm-cross-connect-session>

#### Usage

```
<cfm-mep-statistics>
<cfm-entry>
  <cfm-cross-connect-sessions>
    <cfm-cross-connect-session>
      <cfm-session-defect-type>
        cfm-session-defect-type
      </cfm-session-defect-type>
      <cfm-session-defect-description>
        cfm-session-defect-description
      </cfm-session-defect-description>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-domain-name-format>
        cfm-maintenance-domain-name-format
      </cfm-maintenance-domain-name-format>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-maintenance-association-name-format>
        cfm-maintenance-association-name-format
      </cfm-maintenance-association-name-format>
      <cfm-mep-identifier>
        cfm-mep-identifier
      </cfm-mep-identifier>
      <cfm-continuity-check-interval>
```

```

        cfm-continuity-check-interval
      </cfm-continuity-check-interval>
    </cfm-cross-connect-session>
  </cfm-cross-connect-sessions>
</cfm-entry>
</cfm-mep-statistics>

```

## Description

### <cfm-cross-connect-session>

#### Usage

```

<cfm-delay-statistics>
<cfm-entry>
  <cfm-cross-connect-sessions>
    <cfm-cross-connect-session>
      <cfm-session-defect-type>
        cfm-session-defect-type
      </cfm-session-defect-type>
      <cfm-session-defect-description>
        cfm-session-defect-description
      </cfm-session-defect-description>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-domain-name-format>
        cfm-maintenance-domain-name-format
      </cfm-maintenance-domain-name-format>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-maintenance-association-name-format>
        cfm-maintenance-association-name-format
      </cfm-maintenance-association-name-format>
      <cfm-mep-identifier>
        cfm-mep-identifier
      </cfm-mep-identifier>
      <cfm-continuity-check-interval>
        cfm-continuity-check-interval
      </cfm-continuity-check-interval>
    </cfm-cross-connect-session>
  </cfm-cross-connect-sessions>
</cfm-entry>
</cfm-delay-statistics>

```

## Description

### <cfm-cross-connect-session>

#### Usage

```

<cfm-loss-statistics>

```

```
<cfm-entry>
  <cfm-cross-connect-sessions>
    <cfm-cross-connect-session>
      <cfm-session-defect-type>
        cfm-session-defect-type
      </cfm-session-defect-type>
      <cfm-session-defect-description>
        cfm-session-defect-description
      </cfm-session-defect-description>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-domain-name-format>
        cfm-maintenance-domain-name-format
      </cfm-maintenance-domain-name-format>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-maintenance-association-name-format>
        cfm-maintenance-association-name-format
      </cfm-maintenance-association-name-format>
      <cfm-mep-identifier>
        cfm-mep-identifier
      </cfm-mep-identifier>
      <cfm-continuity-check-interval>
        cfm-continuity-check-interval
      </cfm-continuity-check-interval>
    </cfm-cross-connect-session>
  </cfm-cross-connect-sessions>
</cfm-entry>
</cfm-loss-statistics>
```

## Description

### <cfm-cross-connect-session>

#### Usage

```
<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-cross-connect-sessions>
      <cfm-cross-connect-session>
        <cfm-session-defect-type>
          cfm-session-defect-type
        </cfm-session-defect-type>
        <cfm-session-defect-description>
          cfm-session-defect-description
        </cfm-session-defect-description>
        <cfm-level>
          cfm-level
        </cfm-level>
        <cfm-maintenance-domain-name>
          cfm-maintenance-domain-name
```

```

</cfm-maintenance-domain-name>
<cfm-maintenance-domain-name-format>
  cfm-maintenance-domain-name-format
</cfm-maintenance-domain-name-format>
<cfm-maintenance-association-name>
  cfm-maintenance-association-name
</cfm-maintenance-association-name>
<cfm-maintenance-association-name-format>
  cfm-maintenance-association-name-format
</cfm-maintenance-association-name-format>
<cfm-mep-identifier>
  cfm-mep-identifier
</cfm-mep-identifier>
<cfm-continuity-check-interval>
  cfm-continuity-check-interval
</cfm-continuity-check-interval>
</cfm-cross-connect-session>
</cfm-cross-connect-sessions>
</cfm-entry>
</cfm-iterator-statistics>

```

#### Description

### <cfm-cross-connect-sessions>

#### Usage

```

<cfm-entry>
  <cfm-cross-connect-sessions>
    <cfm-cross-connect-session-count>
      cfm-cross-connect-session-count
    </cfm-cross-connect-session-count>
    <cfm-cross-connect-session>....</cfm-cross-connect-session>
  </cfm-cross-connect-sessions>
</cfm-entry>

```

#### Description

### <cfm-cross-connect-sessions>

#### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-cross-connect-sessions>
      <cfm-cross-connect-session-count>
        cfm-cross-connect-session-count
      </cfm-cross-connect-session-count>
      <cfm-cross-connect-session>....</cfm-cross-connect-session>
    </cfm-cross-connect-sessions>
  </cfm-entry>
</cfm-interface>

```

#### Description

## <cfm-cross-connect-sessions>

### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-cross-connect-sessions>
      <cfm-cross-connect-session-count>
        cfm-cross-connect-session-count
      </cfm-cross-connect-session-count>
      <cfm-cross-connect-session>....</cfm-cross-connect-session>
    </cfm-cross-connect-sessions>
  </cfm-entry>
</cfm-mep-database>
```

### Description

## <cfm-cross-connect-sessions>

### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-cross-connect-sessions>
      <cfm-cross-connect-session-count>
        cfm-cross-connect-session-count
      </cfm-cross-connect-session-count>
      <cfm-cross-connect-session>....</cfm-cross-connect-session>
    </cfm-cross-connect-sessions>
  </cfm-entry>
</cfm-mep-statistics>
```

### Description

## <cfm-cross-connect-sessions>

### Usage

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-cross-connect-sessions>
      <cfm-cross-connect-session-count>
        cfm-cross-connect-session-count
      </cfm-cross-connect-session-count>
      <cfm-cross-connect-session>....</cfm-cross-connect-session>
    </cfm-cross-connect-sessions>
  </cfm-entry>
</cfm-delay-statistics>
```

### Description

## <cfm-cross-connect-sessions>

### Usage

```
<cfm-loss-statistics>
```

```

<cfm-entry>
  <cfm-cross-connect-sessions>
    <cfm-cross-connect-session-count>
      cfm-cross-connect-session-count
    </cfm-cross-connect-session-count>
    <cfm-cross-connect-session>....</cfm-cross-connect-session>
  </cfm-cross-connect-sessions>
</cfm-entry>
</cfm-loss-statistics>

```

**Description****<cfm-cross-connect-sessions>****Usage**

```

<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-cross-connect-sessions>
      <cfm-cross-connect-session-count>
        cfm-cross-connect-session-count
      </cfm-cross-connect-session-count>
      <cfm-cross-connect-session>....</cfm-cross-connect-session>
    </cfm-cross-connect-sessions>
  </cfm-entry>
</cfm-iterator-statistics>

```

**Description****<cfm-delay-statistics>****Usage**

```

<cfm-delay-statistics>
  <cfm-entry>....</cfm-entry>
</cfm-delay-statistics>

```

**Description** Information about ethernet delay statistics for one or more CFM sessions

**<cfm-dfwd-pending-transactions>****Usage**

```

<cfmd-internal-state>
  <cfm-dfwd-pending-transactions>
    <cfm-dfwd-transaction>....</cfm-dfwd-transaction>
  </cfm-dfwd-pending-transactions>
</cfmd-internal-state>

```

**Description**

## <cfm-dfwd-policer-instance>

### Usage

```
<cfmd-internal-state>
  <cfm-dfwd-policer-instance-info>
    <cfm-dfwd-policer-instance>
      <cfm-policer-instance-name>
        cfm-policer-instance-name
      </cfm-policer-instance-name>
      <cfm-policer-name>
        cfm-policer-name
      </cfm-policer-name>
      <cfm-policer-instance-reference-count>
        cfm-policer-instance-reference-count
      </cfm-policer-instance-reference-count>
    </cfm-dfwd-policer-instance>
  </cfm-dfwd-policer-instance-info>
</cfmd-internal-state>
```

### Description

## <cfm-dfwd-policer-instance-info>

### Usage

```
<cfmd-internal-state>
  <cfm-dfwd-policer-instance-info>
    <cfm-dfwd-policer-instance>.....</cfm-dfwd-policer-instance>
  </cfm-dfwd-policer-instance-info>
</cfmd-internal-state>
```

### Description

## <cfm-dfwd-transaction>

### Usage

```
<cfmd-internal-state>
  <cfm-dfwd-pending-transactions>
    <cfm-dfwd-transaction>
      <cfm-dfwd-transaction-id>
        cfm-dfwd-transaction-id
      </cfm-dfwd-transaction-id>
      <cfm-dfwd-nh-to-delete>
        cfm-dfwd-nh-to-delete
      </cfm-dfwd-nh-to-delete>
    </cfm-dfwd-transaction>
  </cfm-dfwd-pending-transactions>
</cfmd-internal-state>
```

### Description



## <cfm-entry>

### Usage

```

<cfm-entry>
  <cfm-interface-entry>....</cfm-interface-entry>
  <cfm-interface-sessions>....</cfm-interface-sessions>
  <cfm-mep-database-session>....</cfm-mep-database-session>
  <cfm-mep-database-continuity-check>....</cfm-mep-database-continuity-check>

  <cfm-mep-database-interface>....</cfm-mep-database-interface>
  <cfm-local-mep>....</cfm-local-mep>
  <cfm-local-mep-defects>....</cfm-local-mep-defects>
  <cfm-local-mep-statistics>....</cfm-local-mep-statistics>
  <cfm-remote-meps>....</cfm-remote-meps>
  <cfm-cross-connect-sessions>....</cfm-cross-connect-sessions>
  <cfm-error-sessions>....</cfm-error-sessions>
  <cfm-mep-statistics-mep-summary>....</cfm-mep-statistics-mep-summary>
  <cfm-local-mep-packet-statistics>....</cfm-local-mep-packet-statistics>
  <cfm-remote-mep-brief-summary>....</cfm-remote-mep-brief-summary>
  <cfm-ethdm-delay-entry>....</cfm-ethdm-delay-entry>
  <cfm-ethdm-oneway-delay-summary>....</cfm-ethdm-oneway-delay-summary>

  <cfm-ethdm-twoway-delay-summary>....</cfm-ethdm-twoway-delay-summary>

  <cfm-client-session-id>
    cfm-client-session-id
  </cfm-client-session-id>
  <cfm-ethlm-loss-entry>....</cfm-ethlm-loss-entry>
  <cfm-ethlm-cir-loss-summary>....</cfm-ethlm-cir-loss-summary>
  <cfm-ethlm-eir-loss-summary>....</cfm-ethlm-eir-loss-summary>
  <cfm-iter-mep-summary>....</cfm-iter-mep-summary>
  <cfm-iter-info>....</cfm-iter-info>
  <cfm-iter-ethdm-entry>....</cfm-iter-ethdm-entry>
  <cfm-iter-ethlm-entry>....</cfm-iter-ethlm-entry>
  <cfm-iter-eth-sfl-entry>....</cfm-iter-eth-sfl-entry>
</cfm-entry>

```

### Description

## <cfm-entry>

### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-interface-entry>....</cfm-interface-entry>
    <cfm-interface-sessions>....</cfm-interface-sessions>
    <cfm-mep-database-session>....</cfm-mep-database-session>
    <cfm-mep-database-continuity-check>....</cfm-mep-database-continuity-check>

    <cfm-mep-database-interface>....</cfm-mep-database-interface>
    <cfm-local-mep>....</cfm-local-mep>
    <cfm-local-mep-defects>....</cfm-local-mep-defects>
    <cfm-local-mep-statistics>....</cfm-local-mep-statistics>
    <cfm-remote-meps>....</cfm-remote-meps>
  </cfm-entry>
</cfm-interface>

```

```

<cfm-cross-connect-sessions>....</cfm-cross-connect-sessions>
<cfm-error-sessions>....</cfm-error-sessions>
<cfm-mep-statistics-mep-summary>....</cfm-mep-statistics-mep-summary>
<cfm-local-mep-packet-statistics>....</cfm-local-mep-packet-statistics>
<cfm-remote-mep-brief-summary>....</cfm-remote-mep-brief-summary>
<cfm-ethdm-delay-entry>....</cfm-ethdm-delay-entry>
<cfm-ethdm-oneway-delay-summary>....</cfm-ethdm-oneway-delay-summary>

<cfm-ethdm-twoway-delay-summary>....</cfm-ethdm-twoway-delay-summary>

<cfm-client-session-id>
  cfm-client-session-id
</cfm-client-session-id>
<cfm-ethlm-loss-entry>....</cfm-ethlm-loss-entry>
<cfm-ethlm-cir-loss-summary>....</cfm-ethlm-cir-loss-summary>
<cfm-ethlm-eir-loss-summary>....</cfm-ethlm-eir-loss-summary>
<cfm-iter-mep-summary>....</cfm-iter-mep-summary>
<cfm-iter-info>....</cfm-iter-info>
<cfm-iter-ethdm-entry>....</cfm-iter-ethdm-entry>
<cfm-iter-ethlm-entry>....</cfm-iter-ethlm-entry>
<cfm-iter-eth-sfl-entry>....</cfm-iter-eth-sfl-entry>
</cfm-entry>
</cfm-interface>

```

## Description

### <cfm-entry>

#### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-entry>....</cfm-interface-entry>
    <cfm-interface-sessions>....</cfm-interface-sessions>
    <cfm-mep-database-session>....</cfm-mep-database-session>
    <cfm-mep-database-continuity-check>....</cfm-mep-database-continuity-check>

    <cfm-mep-database-interface>....</cfm-mep-database-interface>
    <cfm-local-mep>....</cfm-local-mep>
    <cfm-local-mep-defects>....</cfm-local-mep-defects>
    <cfm-local-mep-statistics>....</cfm-local-mep-statistics>
    <cfm-remote-meps>....</cfm-remote-meps>
    <cfm-cross-connect-sessions>....</cfm-cross-connect-sessions>
    <cfm-error-sessions>....</cfm-error-sessions>
    <cfm-mep-statistics-mep-summary>....</cfm-mep-statistics-mep-summary>
    <cfm-local-mep-packet-statistics>....</cfm-local-mep-packet-statistics>
    <cfm-remote-mep-brief-summary>....</cfm-remote-mep-brief-summary>
    <cfm-ethdm-delay-entry>....</cfm-ethdm-delay-entry>
    <cfm-ethdm-oneway-delay-summary>....</cfm-ethdm-oneway-delay-summary>

    <cfm-ethdm-twoway-delay-summary>....</cfm-ethdm-twoway-delay-summary>

    <cfm-client-session-id>
      cfm-client-session-id
    </cfm-client-session-id>
    <cfm-ethlm-loss-entry>....</cfm-ethlm-loss-entry>

```

```

<cfm-ethlm-cir-loss-summary>....</cfm-ethlm-cir-loss-summary>
<cfm-ethlm-eir-loss-summary>....</cfm-ethlm-eir-loss-summary>
<cfm-iter-mep-summary>....</cfm-iter-mep-summary>
<cfm-iter-info>....</cfm-iter-info>
<cfm-iter-ethdm-entry>....</cfm-iter-ethdm-entry>
<cfm-iter-ethlm-entry>....</cfm-iter-ethlm-entry>
<cfm-iter-eth-sfl-entry>....</cfm-iter-eth-sfl-entry>
</cfm-entry>
</cfm-mep-database>

```

## Description

### <cfm-entry>

#### Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-interface-entry>....</cfm-interface-entry>
    <cfm-interface-sessions>....</cfm-interface-sessions>
    <cfm-mep-database-session>....</cfm-mep-database-session>
    <cfm-mep-database-continuity-check>....</cfm-mep-database-continuity-check>

    <cfm-mep-database-interface>....</cfm-mep-database-interface>
    <cfm-local-mep>....</cfm-local-mep>
    <cfm-local-mep-defects>....</cfm-local-mep-defects>
    <cfm-local-mep-statistics>....</cfm-local-mep-statistics>
    <cfm-remote-meps>....</cfm-remote-meps>
    <cfm-cross-connect-sessions>....</cfm-cross-connect-sessions>
    <cfm-error-sessions>....</cfm-error-sessions>
    <cfm-mep-statistics-mep-summary>....</cfm-mep-statistics-mep-summary>
    <cfm-local-mep-packet-statistics>....</cfm-local-mep-packet-statistics>
    <cfm-remote-mep-brief-summary>....</cfm-remote-mep-brief-summary>
    <cfm-ethdm-delay-entry>....</cfm-ethdm-delay-entry>
    <cfm-ethdm-oneway-delay-summary>....</cfm-ethdm-oneway-delay-summary>

    <cfm-ethdm-twoway-delay-summary>....</cfm-ethdm-twoway-delay-summary>

    <cfm-client-session-id>
      cfm-client-session-id
    </cfm-client-session-id>
    <cfm-ethlm-loss-entry>....</cfm-ethlm-loss-entry>
    <cfm-ethlm-cir-loss-summary>....</cfm-ethlm-cir-loss-summary>
    <cfm-ethlm-eir-loss-summary>....</cfm-ethlm-eir-loss-summary>
    <cfm-iter-mep-summary>....</cfm-iter-mep-summary>
    <cfm-iter-info>....</cfm-iter-info>
    <cfm-iter-ethdm-entry>....</cfm-iter-ethdm-entry>
    <cfm-iter-ethlm-entry>....</cfm-iter-ethlm-entry>
    <cfm-iter-eth-sfl-entry>....</cfm-iter-eth-sfl-entry>
  </cfm-entry>
</cfm-mep-statistics>

```

## Description

## <cfm-entry>

### Usage

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-interface-entry>....</cfm-interface-entry>
    <cfm-interface-sessions>....</cfm-interface-sessions>
    <cfm-mep-database-session>....</cfm-mep-database-session>
    <cfm-mep-database-continuity-check>....</cfm-mep-database-continuity-check>

    <cfm-mep-database-interface>....</cfm-mep-database-interface>
    <cfm-local-mep>....</cfm-local-mep>
    <cfm-local-mep-defects>....</cfm-local-mep-defects>
    <cfm-local-mep-statistics>....</cfm-local-mep-statistics>
    <cfm-remote-meps>....</cfm-remote-meps>
    <cfm-cross-connect-sessions>....</cfm-cross-connect-sessions>
    <cfm-error-sessions>....</cfm-error-sessions>
    <cfm-mep-statistics-mep-summary>....</cfm-mep-statistics-mep-summary>
    <cfm-local-mep-packet-statistics>....</cfm-local-mep-packet-statistics>
    <cfm-remote-mep-brief-summary>....</cfm-remote-mep-brief-summary>
    <cfm-ethdm-delay-entry>....</cfm-ethdm-delay-entry>
    <cfm-ethdm-oneway-delay-summary>....</cfm-ethdm-oneway-delay-summary>

    <cfm-ethdm-twoway-delay-summary>....</cfm-ethdm-twoway-delay-summary>

    <cfm-client-session-id>
      cfm-client-session-id
    </cfm-client-session-id>
    <cfm-ethlm-loss-entry>....</cfm-ethlm-loss-entry>
    <cfm-ethlm-cir-loss-summary>....</cfm-ethlm-cir-loss-summary>
    <cfm-ethlm-eir-loss-summary>....</cfm-ethlm-eir-loss-summary>
    <cfm-iter-mep-summary>....</cfm-iter-mep-summary>
    <cfm-iter-info>....</cfm-iter-info>
    <cfm-iter-ethdm-entry>....</cfm-iter-ethdm-entry>
    <cfm-iter-ethlm-entry>....</cfm-iter-ethlm-entry>
    <cfm-iter-eth-sfl-entry>....</cfm-iter-eth-sfl-entry>
  </cfm-entry>
</cfm-delay-statistics>

```

### Description

## <cfm-entry>

### Usage

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-interface-entry>....</cfm-interface-entry>
    <cfm-interface-sessions>....</cfm-interface-sessions>
    <cfm-mep-database-session>....</cfm-mep-database-session>
    <cfm-mep-database-continuity-check>....</cfm-mep-database-continuity-check>

    <cfm-mep-database-interface>....</cfm-mep-database-interface>
    <cfm-local-mep>....</cfm-local-mep>
    <cfm-local-mep-defects>....</cfm-local-mep-defects>

```

```

<cfm-local-mep-statistics>....</cfm-local-mep-statistics>
<cfm-remote-meps>....</cfm-remote-meps>
<cfm-cross-connect-sessions>....</cfm-cross-connect-sessions>
<cfm-error-sessions>....</cfm-error-sessions>
<cfm-mep-statistics-mep-summary>....</cfm-mep-statistics-mep-summary>
<cfm-local-mep-packet-statistics>....</cfm-local-mep-packet-statistics>
<cfm-remote-mep-brief-summary>....</cfm-remote-mep-brief-summary>
<cfm-ethdm-delay-entry>....</cfm-ethdm-delay-entry>
<cfm-ethdm-oneway-delay-summary>....</cfm-ethdm-oneway-delay-summary>

<cfm-ethdm-twoway-delay-summary>....</cfm-ethdm-twoway-delay-summary>

<cfm-client-session-id>
  cfm-client-session-id
</cfm-client-session-id>
<cfm-ethlm-loss-entry>....</cfm-ethlm-loss-entry>
<cfm-ethlm-cir-loss-summary>....</cfm-ethlm-cir-loss-summary>
<cfm-ethlm-eir-loss-summary>....</cfm-ethlm-eir-loss-summary>
<cfm-iter-mep-summary>....</cfm-iter-mep-summary>
<cfm-iter-info>....</cfm-iter-info>
<cfm-iter-ethdm-entry>....</cfm-iter-ethdm-entry>
<cfm-iter-ethlm-entry>....</cfm-iter-ethlm-entry>
<cfm-iter-eth-sfl-entry>....</cfm-iter-eth-sfl-entry>
</cfm-entry>
</cfm-loss-statistics>

```

## Description

<cfm-entry>

## Usage

```

<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-interface-entry>....</cfm-interface-entry>
    <cfm-interface-sessions>....</cfm-interface-sessions>
    <cfm-mep-database-session>....</cfm-mep-database-session>
    <cfm-mep-database-continuity-check>....</cfm-mep-database-continuity-check>

    <cfm-mep-database-interface>....</cfm-mep-database-interface>
    <cfm-local-mep>....</cfm-local-mep>
    <cfm-local-mep-defects>....</cfm-local-mep-defects>
    <cfm-local-mep-statistics>....</cfm-local-mep-statistics>
    <cfm-remote-meps>....</cfm-remote-meps>
    <cfm-cross-connect-sessions>....</cfm-cross-connect-sessions>
    <cfm-error-sessions>....</cfm-error-sessions>
    <cfm-mep-statistics-mep-summary>....</cfm-mep-statistics-mep-summary>
    <cfm-local-mep-packet-statistics>....</cfm-local-mep-packet-statistics>
    <cfm-remote-mep-brief-summary>....</cfm-remote-mep-brief-summary>
    <cfm-ethdm-delay-entry>....</cfm-ethdm-delay-entry>
    <cfm-ethdm-oneway-delay-summary>....</cfm-ethdm-oneway-delay-summary>

    <cfm-ethdm-twoway-delay-summary>....</cfm-ethdm-twoway-delay-summary>

    <cfm-client-session-id>
      cfm-client-session-id
    </cfm-client-session-id>
  </cfm-entry>
</cfm-iterator-statistics>

```

```
</cfm-client-session-id>
<cfm-ethlm-loss-entry>....</cfm-ethlm-loss-entry>
<cfm-ethlm-cir-loss-summary>....</cfm-ethlm-cir-loss-summary>
<cfm-ethlm-eir-loss-summary>....</cfm-ethlm-eir-loss-summary>
<cfm-iter-mep-summary>....</cfm-iter-mep-summary>
<cfm-iter-info>....</cfm-iter-info>
<cfm-iter-ethdm-entry>....</cfm-iter-ethdm-entry>
<cfm-iter-ethlm-entry>....</cfm-iter-ethlm-entry>
<cfm-iter-eth-sfl-entry>....</cfm-iter-eth-sfl-entry>
</cfm-entry>
</cfm-iterator-statistics>
```

## Description

### <cfm-error-session>

#### Usage

```
<cfm-entry>
<cfm-error-sessions>
  <cfm-error-session>
    <cfm-session-defect-type>
      cfm-session-defect-type
    </cfm-session-defect-type>
    <cfm-session-defect-description>
      cfm-session-defect-description
    </cfm-session-defect-description>
    <cfm-level>
      cfm-level
    </cfm-level>
    <cfm-maintenance-domain-name>
      cfm-maintenance-domain-name
    </cfm-maintenance-domain-name>
    <cfm-maintenance-domain-name-format>
      cfm-maintenance-domain-name-format
    </cfm-maintenance-domain-name-format>
    <cfm-maintenance-association-name>
      cfm-maintenance-association-name
    </cfm-maintenance-association-name>
    <cfm-maintenance-association-name-format>
      cfm-maintenance-association-name-format
    </cfm-maintenance-association-name-format>
    <cfm-continuity-check-interval>
      cfm-continuity-check-interval
    </cfm-continuity-check-interval>
    <cfm-mep-identifier>
      cfm-mep-identifier
    </cfm-mep-identifier>
  </cfm-error-session>
</cfm-error-sessions>
</cfm-entry>
```

## Description

**<cfm-error-session>****Usage**

```

<cfm-interface>
  <cfm-entry>
    <cfm-error-sessions>
      <cfm-error-session>
        <cfm-session-defect-type>
          cfm-session-defect-type
        </cfm-session-defect-type>
        <cfm-session-defect-description>
          cfm-session-defect-description
        </cfm-session-defect-description>
        <cfm-level>
          cfm-level
        </cfm-level>
        <cfm-maintenance-domain-name>
          cfm-maintenance-domain-name
        </cfm-maintenance-domain-name>
        <cfm-maintenance-domain-name-format>
          cfm-maintenance-domain-name-format
        </cfm-maintenance-domain-name-format>
        <cfm-maintenance-association-name>
          cfm-maintenance-association-name
        </cfm-maintenance-association-name>
        <cfm-maintenance-association-name-format>
          cfm-maintenance-association-name-format
        </cfm-maintenance-association-name-format>
        <cfm-continuity-check-interval>
          cfm-continuity-check-interval
        </cfm-continuity-check-interval>
        <cfm-mep-identifier>
          cfm-mep-identifier
        </cfm-mep-identifier>
      </cfm-error-session>
    </cfm-error-sessions>
  </cfm-entry>
</cfm-interface>

```

**Description****<cfm-error-session>****Usage**

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-error-sessions>
      <cfm-error-session>
        <cfm-session-defect-type>
          cfm-session-defect-type
        </cfm-session-defect-type>
        <cfm-session-defect-description>
          cfm-session-defect-description
        </cfm-session-defect-description>
      </cfm-error-session>
    </cfm-error-sessions>
  </cfm-entry>
</cfm-mep-database>

```

```
<cfm-level>
  cfm-level
</cfm-level>
<cfm-maintenance-domain-name>
  cfm-maintenance-domain-name
</cfm-maintenance-domain-name>
<cfm-maintenance-domain-name-format>
  cfm-maintenance-domain-name-format
</cfm-maintenance-domain-name-format>
<cfm-maintenance-association-name>
  cfm-maintenance-association-name
</cfm-maintenance-association-name>
<cfm-maintenance-association-name-format>
  cfm-maintenance-association-name-format
</cfm-maintenance-association-name-format>
<cfm-continuity-check-interval>
  cfm-continuity-check-interval
</cfm-continuity-check-interval>
<cfm-mep-identifier>
  cfm-mep-identifier
</cfm-mep-identifier>
</cfm-error-session>
</cfm-error-sessions>
</cfm-entry>
</cfm-mep-database>
```

#### Description

#### <cfm-error-session>

#### Usage

```
<cfm-mep-statistics>
<cfm-entry>
  <cfm-error-sessions>
    <cfm-error-session>
      <cfm-session-defect-type>
        cfm-session-defect-type
      </cfm-session-defect-type>
      <cfm-session-defect-description>
        cfm-session-defect-description
      </cfm-session-defect-description>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-domain-name-format>
        cfm-maintenance-domain-name-format
      </cfm-maintenance-domain-name-format>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-maintenance-association-name-format>
        cfm-maintenance-association-name-format
```



```

</cfm-maintenance-association-name-format>
<cfm-continuity-check-interval>
  cfm-continuity-check-interval
</cfm-continuity-check-interval>
<cfm-mep-identifier>
  cfm-mep-identifier
</cfm-mep-identifier>
</cfm-error-session>
</cfm-error-sessions>
</cfm-entry>
</cfm-mep-statistics>

```

## Description

### <cfm-error-session>

#### Usage

```

<cfm-delay-statistics>
<cfm-entry>
<cfm-error-sessions>
  <cfm-error-session>
    <cfm-session-defect-type>
      cfm-session-defect-type
    </cfm-session-defect-type>
    <cfm-session-defect-description>
      cfm-session-defect-description
    </cfm-session-defect-description>
    <cfm-level>
      cfm-level
    </cfm-level>
    <cfm-maintenance-domain-name>
      cfm-maintenance-domain-name
    </cfm-maintenance-domain-name>
    <cfm-maintenance-domain-name-format>
      cfm-maintenance-domain-name-format
    </cfm-maintenance-domain-name-format>
    <cfm-maintenance-association-name>
      cfm-maintenance-association-name
    </cfm-maintenance-association-name>
    <cfm-maintenance-association-name-format>
      cfm-maintenance-association-name-format
    </cfm-maintenance-association-name-format>
    <cfm-continuity-check-interval>
      cfm-continuity-check-interval
    </cfm-continuity-check-interval>
    <cfm-mep-identifier>
      cfm-mep-identifier
    </cfm-mep-identifier>
  </cfm-error-session>
</cfm-error-sessions>
</cfm-entry>
</cfm-delay-statistics>

```

## Description

## <cfm-error-session>

### Usage

```
<cfm-loss-statistics>
  <cfm-entry>
    <cfm-error-sessions>
      <cfm-error-session>
        <cfm-session-defect-type>
          cfm-session-defect-type
        </cfm-session-defect-type>
        <cfm-session-defect-description>
          cfm-session-defect-description
        </cfm-session-defect-description>
        <cfm-level>
          cfm-level
        </cfm-level>
        <cfm-maintenance-domain-name>
          cfm-maintenance-domain-name
        </cfm-maintenance-domain-name>
        <cfm-maintenance-domain-name-format>
          cfm-maintenance-domain-name-format
        </cfm-maintenance-domain-name-format>
        <cfm-maintenance-association-name>
          cfm-maintenance-association-name
        </cfm-maintenance-association-name>
        <cfm-maintenance-association-name-format>
          cfm-maintenance-association-name-format
        </cfm-maintenance-association-name-format>
        <cfm-continuity-check-interval>
          cfm-continuity-check-interval
        </cfm-continuity-check-interval>
        <cfm-mep-identifier>
          cfm-mep-identifier
        </cfm-mep-identifier>
      </cfm-error-session>
    </cfm-error-sessions>
  </cfm-entry>
</cfm-loss-statistics>
```

### Description

## <cfm-error-session>

### Usage

```
<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-error-sessions>
      <cfm-error-session>
        <cfm-session-defect-type>
          cfm-session-defect-type
        </cfm-session-defect-type>
        <cfm-session-defect-description>
          cfm-session-defect-description
        </cfm-session-defect-description>
      </cfm-error-session>
    </cfm-error-sessions>
  </cfm-entry>
</cfm-iterator-statistics>
```

```

<cfm-level>
  cfm-level
</cfm-level>
<cfm-maintenance-domain-name>
  cfm-maintenance-domain-name
</cfm-maintenance-domain-name>
<cfm-maintenance-domain-name-format>
  cfm-maintenance-domain-name-format
</cfm-maintenance-domain-name-format>
<cfm-maintenance-association-name>
  cfm-maintenance-association-name
</cfm-maintenance-association-name>
<cfm-maintenance-association-name-format>
  cfm-maintenance-association-name-format
</cfm-maintenance-association-name-format>
<cfm-continuity-check-interval>
  cfm-continuity-check-interval
</cfm-continuity-check-interval>
<cfm-mep-identifier>
  cfm-mep-identifier
</cfm-mep-identifier>
</cfm-error-session>
</cfm-error-sessions>
</cfm-entry>
</cfm-iterator-statistics>

```

#### Description

### <cfm-error-sessions>

#### Usage

```

<cfm-entry>
  <cfm-error-sessions>
    <cfm-error-session-count>
      cfm-error-session-count
    </cfm-error-session-count>
    <cfm-error-session>....</cfm-error-session>
  </cfm-error-sessions>
</cfm-entry>

```

#### Description

### <cfm-error-sessions>

#### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-error-sessions>
      <cfm-error-session-count>
        cfm-error-session-count
      </cfm-error-session-count>
      <cfm-error-session>....</cfm-error-session>
    </cfm-error-sessions>
  </cfm-entry>

```

</cfm-interface>

#### Description

### <cfm-error-sessions>

#### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-error-sessions>
      <cfm-error-session-count>
        cfm-error-session-count
      </cfm-error-session-count>
      <cfm-error-session>....</cfm-error-session>
    </cfm-error-sessions>
  </cfm-entry>
</cfm-mep-database>
```

#### Description

### <cfm-error-sessions>

#### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-error-sessions>
      <cfm-error-session-count>
        cfm-error-session-count
      </cfm-error-session-count>
      <cfm-error-session>....</cfm-error-session>
    </cfm-error-sessions>
  </cfm-entry>
</cfm-mep-statistics>
```

#### Description

### <cfm-error-sessions>

#### Usage

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-error-sessions>
      <cfm-error-session-count>
        cfm-error-session-count
      </cfm-error-session-count>
      <cfm-error-session>....</cfm-error-session>
    </cfm-error-sessions>
  </cfm-entry>
</cfm-delay-statistics>
```

#### Description

**<cfm-error-sessions>****Usage**

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-error-sessions>
      <cfm-error-session-count>
        cfm-error-session-count
      </cfm-error-session-count>
      <cfm-error-session>....</cfm-error-session>
    </cfm-error-sessions>
  </cfm-entry>
</cfm-loss-statistics>

```

**Description****<cfm-error-sessions>****Usage**

```

<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-error-sessions>
      <cfm-error-session-count>
        cfm-error-session-count
      </cfm-error-session-count>
      <cfm-error-session>....</cfm-error-session>
    </cfm-error-sessions>
  </cfm-entry>
</cfm-iterator-statistics>

```

**Description****<cfm-ethdm-delay-entry>****Usage**

```

<cfm-entry>
  <cfm-ethdm-delay-entry>
    <cfm-ethdm-delay-entry-index>
      cfm-ethdm-delay-entry-index
    </cfm-ethdm-delay-entry-index>
    <cfm-ethdm-oneway-delay>
      cfm-ethdm-oneway-delay
    </cfm-ethdm-oneway-delay>
    <cfm-ethdm-twoway-delay>
      cfm-ethdm-twoway-delay
    </cfm-ethdm-twoway-delay>
  </cfm-ethdm-delay-entry>
</cfm-entry>

```

**Description**

## <cfm-ethdm-delay-entry>

### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-ethdm-delay-entry>
      <cfm-ethdm-delay-entry-index>
        cfm-ethdm-delay-entry-index
      </cfm-ethdm-delay-entry-index>
      <cfm-ethdm-oneway-delay>
        cfm-ethdm-oneway-delay
      </cfm-ethdm-oneway-delay>
      <cfm-ethdm-twoway-delay>
        cfm-ethdm-twoway-delay
      </cfm-ethdm-twoway-delay>
    </cfm-ethdm-delay-entry>
  </cfm-entry>
</cfm-interface>
```

### Description

## <cfm-ethdm-delay-entry>

### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-ethdm-delay-entry>
      <cfm-ethdm-delay-entry-index>
        cfm-ethdm-delay-entry-index
      </cfm-ethdm-delay-entry-index>
      <cfm-ethdm-oneway-delay>
        cfm-ethdm-oneway-delay
      </cfm-ethdm-oneway-delay>
      <cfm-ethdm-twoway-delay>
        cfm-ethdm-twoway-delay
      </cfm-ethdm-twoway-delay>
    </cfm-ethdm-delay-entry>
  </cfm-entry>
</cfm-mep-database>
```

### Description

## <cfm-ethdm-delay-entry>

### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-ethdm-delay-entry>
      <cfm-ethdm-delay-entry-index>
        cfm-ethdm-delay-entry-index
      </cfm-ethdm-delay-entry-index>
      <cfm-ethdm-oneway-delay>
        cfm-ethdm-oneway-delay
```

```

    </cfm-ethdm-oneway-delay>
    <cfm-ethdm-twoway-delay>
      cfm-ethdm-twoway-delay
    </cfm-ethdm-twoway-delay>
  </cfm-ethdm-delay-entry>
</cfm-entry>
</cfm-mep-statistics>

```

#### Description

### <cfm-ethdm-delay-entry>

#### Usage

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-ethdm-delay-entry>
      <cfm-ethdm-delay-entry-index>
        cfm-ethdm-delay-entry-index
      </cfm-ethdm-delay-entry-index>
      <cfm-ethdm-oneway-delay>
        cfm-ethdm-oneway-delay
      </cfm-ethdm-oneway-delay>
      <cfm-ethdm-twoway-delay>
        cfm-ethdm-twoway-delay
      </cfm-ethdm-twoway-delay>
    </cfm-ethdm-delay-entry>
  </cfm-entry>
</cfm-delay-statistics>

```

#### Description

### <cfm-ethdm-delay-entry>

#### Usage

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-ethdm-delay-entry>
      <cfm-ethdm-delay-entry-index>
        cfm-ethdm-delay-entry-index
      </cfm-ethdm-delay-entry-index>
      <cfm-ethdm-oneway-delay>
        cfm-ethdm-oneway-delay
      </cfm-ethdm-oneway-delay>
      <cfm-ethdm-twoway-delay>
        cfm-ethdm-twoway-delay
      </cfm-ethdm-twoway-delay>
    </cfm-ethdm-delay-entry>
  </cfm-entry>
</cfm-loss-statistics>

```

#### Description

## <cfm-ethdm-delay-entry>

### Usage

```
<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-ethdm-delay-entry>
      <cfm-ethdm-delay-entry-index>
        cfm-ethdm-delay-entry-index
      </cfm-ethdm-delay-entry-index>
      <cfm-ethdm-oneway-delay>
        cfm-ethdm-oneway-delay
      </cfm-ethdm-oneway-delay>
      <cfm-ethdm-twoway-delay>
        cfm-ethdm-twoway-delay
      </cfm-ethdm-twoway-delay>
    </cfm-ethdm-delay-entry>
  </cfm-entry>
</cfm-iterator-statistics>
```

### Description

## <cfm-ethdm-oneway-delay-summary>

### Usage

```
<cfm-entry>
  <cfm-ethdm-oneway-delay-summary>
    <cfm-ethdm-average-oneway-delay>
      cfm-ethdm-average-oneway-delay
    </cfm-ethdm-average-oneway-delay>
    <cfm-ethdm-average-oneway-delay-variation>
      cfm-ethdm-average-oneway-delay-variation
    </cfm-ethdm-average-oneway-delay-variation>
    <cfm-ethdm-bestcase-oneway-delay>
      cfm-ethdm-bestcase-oneway-delay
    </cfm-ethdm-bestcase-oneway-delay>
    <cfm-ethdm-worstcase-oneway-delay>
      cfm-ethdm-worstcase-oneway-delay
    </cfm-ethdm-worstcase-oneway-delay>
  </cfm-ethdm-oneway-delay-summary>
</cfm-entry>
```

### Description

## <cfm-ethdm-oneway-delay-summary>

### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-ethdm-oneway-delay-summary>
      <cfm-ethdm-average-oneway-delay>
        cfm-ethdm-average-oneway-delay
      </cfm-ethdm-average-oneway-delay>
      <cfm-ethdm-average-oneway-delay-variation>
```



```

        cfm-ethdm-average-oneway-delay-variation
      </cfm-ethdm-average-oneway-delay-variation>
    <cfm-ethdm-bestcase-oneway-delay>
      cfm-ethdm-bestcase-oneway-delay
    </cfm-ethdm-bestcase-oneway-delay>
    <cfm-ethdm-worstcase-oneway-delay>
      cfm-ethdm-worstcase-oneway-delay
    </cfm-ethdm-worstcase-oneway-delay>
  </cfm-ethdm-oneway-delay-summary>
</cfm-entry>
</cfm-interface>

```

### Description

#### <cfm-ethdm-oneway-delay-summary>

##### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-ethdm-oneway-delay-summary>
      <cfm-ethdm-average-oneway-delay>
        cfm-ethdm-average-oneway-delay
      </cfm-ethdm-average-oneway-delay>
      <cfm-ethdm-average-oneway-delay-variation>
        cfm-ethdm-average-oneway-delay-variation
      </cfm-ethdm-average-oneway-delay-variation>
      <cfm-ethdm-bestcase-oneway-delay>
        cfm-ethdm-bestcase-oneway-delay
      </cfm-ethdm-bestcase-oneway-delay>
      <cfm-ethdm-worstcase-oneway-delay>
        cfm-ethdm-worstcase-oneway-delay
      </cfm-ethdm-worstcase-oneway-delay>
    </cfm-ethdm-oneway-delay-summary>
  </cfm-entry>
</cfm-mep-database>

```

### Description

#### <cfm-ethdm-oneway-delay-summary>

##### Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-ethdm-oneway-delay-summary>
      <cfm-ethdm-average-oneway-delay>
        cfm-ethdm-average-oneway-delay
      </cfm-ethdm-average-oneway-delay>
      <cfm-ethdm-average-oneway-delay-variation>
        cfm-ethdm-average-oneway-delay-variation
      </cfm-ethdm-average-oneway-delay-variation>
      <cfm-ethdm-bestcase-oneway-delay>
        cfm-ethdm-bestcase-oneway-delay
      </cfm-ethdm-bestcase-oneway-delay>
      <cfm-ethdm-worstcase-oneway-delay>

```

```
    cfm-ethdm-worstcase-oneway-delay
  </cfm-ethdm-worstcase-oneway-delay>
</cfm-ethdm-oneway-delay-summary>
</cfm-entry>
</cfm-mep-statistics>
```

#### Description

### <cfm-ethdm-oneway-delay-summary>

#### Usage

```
<cfm-delay-statistics>
<cfm-entry>
  <cfm-ethdm-oneway-delay-summary>
    <cfm-ethdm-average-oneway-delay>
      cfm-ethdm-average-oneway-delay
    </cfm-ethdm-average-oneway-delay>
    <cfm-ethdm-average-oneway-delay-variation>
      cfm-ethdm-average-oneway-delay-variation
    </cfm-ethdm-average-oneway-delay-variation>
    <cfm-ethdm-bestcase-oneway-delay>
      cfm-ethdm-bestcase-oneway-delay
    </cfm-ethdm-bestcase-oneway-delay>
    <cfm-ethdm-worstcase-oneway-delay>
      cfm-ethdm-worstcase-oneway-delay
    </cfm-ethdm-worstcase-oneway-delay>
  </cfm-ethdm-oneway-delay-summary>
</cfm-entry>
</cfm-delay-statistics>
```

#### Description

### <cfm-ethdm-oneway-delay-summary>

#### Usage

```
<cfm-loss-statistics>
<cfm-entry>
  <cfm-ethdm-oneway-delay-summary>
    <cfm-ethdm-average-oneway-delay>
      cfm-ethdm-average-oneway-delay
    </cfm-ethdm-average-oneway-delay>
    <cfm-ethdm-average-oneway-delay-variation>
      cfm-ethdm-average-oneway-delay-variation
    </cfm-ethdm-average-oneway-delay-variation>
    <cfm-ethdm-bestcase-oneway-delay>
      cfm-ethdm-bestcase-oneway-delay
    </cfm-ethdm-bestcase-oneway-delay>
    <cfm-ethdm-worstcase-oneway-delay>
      cfm-ethdm-worstcase-oneway-delay
    </cfm-ethdm-worstcase-oneway-delay>
  </cfm-ethdm-oneway-delay-summary>
</cfm-entry>
</cfm-loss-statistics>
```

## Description

## &lt;cfm-ethdm-oneway-delay-summary&gt;

## Usage

```

<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-ethdm-oneway-delay-summary>
      <cfm-ethdm-average-oneway-delay>
        cfm-ethdm-average-oneway-delay
      </cfm-ethdm-average-oneway-delay>
      <cfm-ethdm-average-oneway-delay-variation>
        cfm-ethdm-average-oneway-delay-variation
      </cfm-ethdm-average-oneway-delay-variation>
      <cfm-ethdm-bestcase-oneway-delay>
        cfm-ethdm-bestcase-oneway-delay
      </cfm-ethdm-bestcase-oneway-delay>
      <cfm-ethdm-worstcase-oneway-delay>
        cfm-ethdm-worstcase-oneway-delay
      </cfm-ethdm-worstcase-oneway-delay>
    </cfm-ethdm-oneway-delay-summary>
  </cfm-entry>
</cfm-iterator-statistics>

```

## Description

## &lt;cfm-ethdm-twoway-delay-summary&gt;

## Usage

```

<cfm-entry>
  <cfm-ethdm-twoway-delay-summary>
    <cfm-ethdm-average-twoway-delay>
      cfm-ethdm-average-twoway-delay
    </cfm-ethdm-average-twoway-delay>
    <cfm-ethdm-average-twoway-delay-variation>
      cfm-ethdm-average-twoway-delay-variation
    </cfm-ethdm-average-twoway-delay-variation>
    <cfm-ethdm-bestcase-twoway-delay>
      cfm-ethdm-bestcase-twoway-delay
    </cfm-ethdm-bestcase-twoway-delay>
    <cfm-ethdm-worstcase-twoway-delay>
      cfm-ethdm-worstcase-twoway-delay
    </cfm-ethdm-worstcase-twoway-delay>
  </cfm-ethdm-twoway-delay-summary>
</cfm-entry>

```

## Description

## &lt;cfm-ethdm-twoway-delay-summary&gt;

## Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-ethdm-twoway-delay-summary>

```

```
<cfm-ethdm-average-twoway-delay>
  cfm-ethdm-average-twoway-delay
</cfm-ethdm-average-twoway-delay>
<cfm-ethdm-average-twoway-delay-variation>
  cfm-ethdm-average-twoway-delay-variation
</cfm-ethdm-average-twoway-delay-variation>
<cfm-ethdm-bestcase-twoway-delay>
  cfm-ethdm-bestcase-twoway-delay
</cfm-ethdm-bestcase-twoway-delay>
<cfm-ethdm-worstcase-twoway-delay>
  cfm-ethdm-worstcase-twoway-delay
</cfm-ethdm-worstcase-twoway-delay>
</cfm-ethdm-twoway-delay-summary>
</cfm-entry>
</cfm-interface>
```

#### Description

### <cfm-ethdm-twoway-delay-summary>

#### Usage

```
<cfm-mep-database>
<cfm-entry>
  <cfm-ethdm-twoway-delay-summary>
    <cfm-ethdm-average-twoway-delay>
      cfm-ethdm-average-twoway-delay
    </cfm-ethdm-average-twoway-delay>
    <cfm-ethdm-average-twoway-delay-variation>
      cfm-ethdm-average-twoway-delay-variation
    </cfm-ethdm-average-twoway-delay-variation>
    <cfm-ethdm-bestcase-twoway-delay>
      cfm-ethdm-bestcase-twoway-delay
    </cfm-ethdm-bestcase-twoway-delay>
    <cfm-ethdm-worstcase-twoway-delay>
      cfm-ethdm-worstcase-twoway-delay
    </cfm-ethdm-worstcase-twoway-delay>
  </cfm-ethdm-twoway-delay-summary>
</cfm-entry>
</cfm-mep-database>
```

#### Description

### <cfm-ethdm-twoway-delay-summary>

#### Usage

```
<cfm-mep-statistics>
<cfm-entry>
  <cfm-ethdm-twoway-delay-summary>
    <cfm-ethdm-average-twoway-delay>
      cfm-ethdm-average-twoway-delay
    </cfm-ethdm-average-twoway-delay>
    <cfm-ethdm-average-twoway-delay-variation>
      cfm-ethdm-average-twoway-delay-variation
    </cfm-ethdm-average-twoway-delay-variation>
```

```

<cfm-ethdm-bestcase-twoway-delay>
  cfm-ethdm-bestcase-twoway-delay
</cfm-ethdm-bestcase-twoway-delay>
<cfm-ethdm-worstcase-twoway-delay>
  cfm-ethdm-worstcase-twoway-delay
</cfm-ethdm-worstcase-twoway-delay>
</cfm-ethdm-twoway-delay-summary>
</cfm-entry>
</cfm-mep-statistics>

```

## Description

### <cfm-ethdm-twoway-delay-summary>

#### Usage

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-ethdm-twoway-delay-summary>
      <cfm-ethdm-average-twoway-delay>
        cfm-ethdm-average-twoway-delay
      </cfm-ethdm-average-twoway-delay>
      <cfm-ethdm-average-twoway-delay-variation>
        cfm-ethdm-average-twoway-delay-variation
      </cfm-ethdm-average-twoway-delay-variation>
      <cfm-ethdm-bestcase-twoway-delay>
        cfm-ethdm-bestcase-twoway-delay
      </cfm-ethdm-bestcase-twoway-delay>
      <cfm-ethdm-worstcase-twoway-delay>
        cfm-ethdm-worstcase-twoway-delay
      </cfm-ethdm-worstcase-twoway-delay>
    </cfm-ethdm-twoway-delay-summary>
  </cfm-entry>
</cfm-delay-statistics>

```

## Description

### <cfm-ethdm-twoway-delay-summary>

#### Usage

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-ethdm-twoway-delay-summary>
      <cfm-ethdm-average-twoway-delay>
        cfm-ethdm-average-twoway-delay
      </cfm-ethdm-average-twoway-delay>
      <cfm-ethdm-average-twoway-delay-variation>
        cfm-ethdm-average-twoway-delay-variation
      </cfm-ethdm-average-twoway-delay-variation>
      <cfm-ethdm-bestcase-twoway-delay>
        cfm-ethdm-bestcase-twoway-delay
      </cfm-ethdm-bestcase-twoway-delay>
      <cfm-ethdm-worstcase-twoway-delay>
        cfm-ethdm-worstcase-twoway-delay
      </cfm-ethdm-worstcase-twoway-delay>
    </cfm-ethdm-twoway-delay-summary>
  </cfm-entry>
</cfm-loss-statistics>

```

```
</cfm-ethdm-twoway-delay-summary>
</cfm-entry>
</cfm-loss-statistics>
```

#### Description

### <cfm-ethdm-twoway-delay-summary>

#### Usage

```
<cfm-iterator-statistics>
<cfm-entry>
  <cfm-ethdm-twoway-delay-summary>
    <cfm-ethdm-average-twoway-delay>
      cfm-ethdm-average-twoway-delay
    </cfm-ethdm-average-twoway-delay>
    <cfm-ethdm-average-twoway-delay-variation>
      cfm-ethdm-average-twoway-delay-variation
    </cfm-ethdm-average-twoway-delay-variation>
    <cfm-ethdm-bestcase-twoway-delay>
      cfm-ethdm-bestcase-twoway-delay
    </cfm-ethdm-bestcase-twoway-delay>
    <cfm-ethdm-worstcase-twoway-delay>
      cfm-ethdm-worstcase-twoway-delay
    </cfm-ethdm-worstcase-twoway-delay>
  </cfm-ethdm-twoway-delay-summary>
</cfm-entry>
</cfm-iterator-statistics>
```

#### Description

### <cfm-ethlm-cir-loss-summary>

#### Usage

```
<cfm-entry>
  <cfm-ethlm-cir-loss-summary>
    <cfm-ethlm-average-near-end-cir-loss>
      cfm-ethlm-average-near-end-cir-loss
    </cfm-ethlm-average-near-end-cir-loss>
    <cfm-ethlm-average-near-end-cir-loss-ratio>
      cfm-ethlm-average-near-end-cir-loss-ratio
    </cfm-ethlm-average-near-end-cir-loss-ratio>
    <cfm-ethlm-average-far-end-cir-loss>
      cfm-ethlm-average-far-end-cir-loss
    </cfm-ethlm-average-far-end-cir-loss>
    <cfm-ethlm-average-far-end-cir-loss-ratio>
      cfm-ethlm-average-far-end-cir-loss-ratio
    </cfm-ethlm-average-far-end-cir-loss-ratio>
    <cfm-ethlm-near-end-best-case-cir-loss>
      cfm-ethlm-near-end-best-case-cir-loss
    </cfm-ethlm-near-end-best-case-cir-loss>
    <cfm-ethlm-near-end-best-case-cir-loss-ratio>
      cfm-ethlm-near-end-best-case-cir-loss-ratio
    </cfm-ethlm-near-end-best-case-cir-loss-ratio>
    <cfm-ethlm-near-end-worst-case-cir-loss>
```

```

    cfm-ethlm-near-end-worst-case-cir-loss
  </cfm-ethlm-near-end-worst-case-cir-loss>
  <cfm-ethlm-near-end-worst-case-cir-loss-ratio>
    cfm-ethlm-near-end-worst-case-cir-loss-ratio
  </cfm-ethlm-near-end-worst-case-cir-loss-ratio>
  <cfm-ethlm-far-end-best-case-cir-loss>
    cfm-ethlm-far-end-best-case-cir-loss
  </cfm-ethlm-far-end-best-case-cir-loss>
  <cfm-ethlm-far-end-best-case-cir-loss-ratio>
    cfm-ethlm-far-end-best-case-cir-loss-ratio
  </cfm-ethlm-far-end-best-case-cir-loss-ratio>
  <cfm-ethlm-far-end-worst-case-cir-loss>
    cfm-ethlm-far-end-worst-case-cir-loss
  </cfm-ethlm-far-end-worst-case-cir-loss>
  <cfm-ethlm-far-end-worst-case-cir-loss-ratio>
    cfm-ethlm-far-end-worst-case-cir-loss-ratio
  </cfm-ethlm-far-end-worst-case-cir-loss-ratio>
</cfm-ethlm-cir-loss-summary>
</cfm-entry>

```

## Description

### <cfm-ethlm-cir-loss-summary>

## Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-ethlm-cir-loss-summary>
      <cfm-ethlm-average-near-end-cir-loss>
        cfm-ethlm-average-near-end-cir-loss
      </cfm-ethlm-average-near-end-cir-loss>
      <cfm-ethlm-average-near-end-cir-loss-ratio>
        cfm-ethlm-average-near-end-cir-loss-ratio
      </cfm-ethlm-average-near-end-cir-loss-ratio>
      <cfm-ethlm-average-far-end-cir-loss>
        cfm-ethlm-average-far-end-cir-loss
      </cfm-ethlm-average-far-end-cir-loss>
      <cfm-ethlm-average-far-end-cir-loss-ratio>
        cfm-ethlm-average-far-end-cir-loss-ratio
      </cfm-ethlm-average-far-end-cir-loss-ratio>
      <cfm-ethlm-near-end-best-case-cir-loss>
        cfm-ethlm-near-end-best-case-cir-loss
      </cfm-ethlm-near-end-best-case-cir-loss>
      <cfm-ethlm-near-end-best-case-cir-loss-ratio>
        cfm-ethlm-near-end-best-case-cir-loss-ratio
      </cfm-ethlm-near-end-best-case-cir-loss-ratio>
      <cfm-ethlm-near-end-worst-case-cir-loss>
        cfm-ethlm-near-end-worst-case-cir-loss
      </cfm-ethlm-near-end-worst-case-cir-loss>
      <cfm-ethlm-near-end-worst-case-cir-loss-ratio>
        cfm-ethlm-near-end-worst-case-cir-loss-ratio
      </cfm-ethlm-near-end-worst-case-cir-loss-ratio>
      <cfm-ethlm-far-end-best-case-cir-loss>
        cfm-ethlm-far-end-best-case-cir-loss
      </cfm-ethlm-far-end-best-case-cir-loss>
    </cfm-ethlm-cir-loss-summary>
  </cfm-entry>
</cfm-interface>

```

```
<cfm-ethlm-far-end-best-case-cir-loss-ratio>
  cfm-ethlm-far-end-best-case-cir-loss-ratio
</cfm-ethlm-far-end-best-case-cir-loss-ratio>
<cfm-ethlm-far-end-worst-case-cir-loss>
  cfm-ethlm-far-end-worst-case-cir-loss
</cfm-ethlm-far-end-worst-case-cir-loss>
<cfm-ethlm-far-end-worst-case-cir-loss-ratio>
  cfm-ethlm-far-end-worst-case-cir-loss-ratio
</cfm-ethlm-far-end-worst-case-cir-loss-ratio>
</cfm-ethlm-cir-loss-summary>
</cfm-entry>
</cfm-interface>
```

## Description

### <cfm-ethlm-cir-loss-summary>

#### Usage

```
<cfm-mep-database>
<cfm-entry>
  <cfm-ethlm-cir-loss-summary>
    <cfm-ethlm-average-near-end-cir-loss>
      cfm-ethlm-average-near-end-cir-loss
    </cfm-ethlm-average-near-end-cir-loss>
    <cfm-ethlm-average-near-end-cir-loss-ratio>
      cfm-ethlm-average-near-end-cir-loss-ratio
    </cfm-ethlm-average-near-end-cir-loss-ratio>
    <cfm-ethlm-average-far-end-cir-loss>
      cfm-ethlm-average-far-end-cir-loss
    </cfm-ethlm-average-far-end-cir-loss>
    <cfm-ethlm-average-far-end-cir-loss-ratio>
      cfm-ethlm-average-far-end-cir-loss-ratio
    </cfm-ethlm-average-far-end-cir-loss-ratio>
    <cfm-ethlm-near-end-best-case-cir-loss>
      cfm-ethlm-near-end-best-case-cir-loss
    </cfm-ethlm-near-end-best-case-cir-loss>
    <cfm-ethlm-near-end-best-case-cir-loss-ratio>
      cfm-ethlm-near-end-best-case-cir-loss-ratio
    </cfm-ethlm-near-end-best-case-cir-loss-ratio>
    <cfm-ethlm-near-end-worst-case-cir-loss>
      cfm-ethlm-near-end-worst-case-cir-loss
    </cfm-ethlm-near-end-worst-case-cir-loss>
    <cfm-ethlm-near-end-worst-case-cir-loss-ratio>
      cfm-ethlm-near-end-worst-case-cir-loss-ratio
    </cfm-ethlm-near-end-worst-case-cir-loss-ratio>
    <cfm-ethlm-far-end-best-case-cir-loss>
      cfm-ethlm-far-end-best-case-cir-loss
    </cfm-ethlm-far-end-best-case-cir-loss>
    <cfm-ethlm-far-end-best-case-cir-loss-ratio>
      cfm-ethlm-far-end-best-case-cir-loss-ratio
    </cfm-ethlm-far-end-best-case-cir-loss-ratio>
    <cfm-ethlm-far-end-worst-case-cir-loss>
      cfm-ethlm-far-end-worst-case-cir-loss
    </cfm-ethlm-far-end-worst-case-cir-loss>
    <cfm-ethlm-far-end-worst-case-cir-loss-ratio>
```



```

        cfm-ethlm-far-end-worst-case-cir-loss-ratio
      </cfm-ethlm-far-end-worst-case-cir-loss-ratio>
    </cfm-ethlm-cir-loss-summary>
  </cfm-entry>
</cfm-mep-database>

```

## Description

### <cfm-ethlm-cir-loss-summary>

#### Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-ethlm-cir-loss-summary>
      <cfm-ethlm-average-near-end-cir-loss>
        cfm-ethlm-average-near-end-cir-loss
      </cfm-ethlm-average-near-end-cir-loss>
      <cfm-ethlm-average-near-end-cir-loss-ratio>
        cfm-ethlm-average-near-end-cir-loss-ratio
      </cfm-ethlm-average-near-end-cir-loss-ratio>
      <cfm-ethlm-average-far-end-cir-loss>
        cfm-ethlm-average-far-end-cir-loss
      </cfm-ethlm-average-far-end-cir-loss>
      <cfm-ethlm-average-far-end-cir-loss-ratio>
        cfm-ethlm-average-far-end-cir-loss-ratio
      </cfm-ethlm-average-far-end-cir-loss-ratio>
      <cfm-ethlm-near-end-best-case-cir-loss>
        cfm-ethlm-near-end-best-case-cir-loss
      </cfm-ethlm-near-end-best-case-cir-loss>
      <cfm-ethlm-near-end-best-case-cir-loss-ratio>
        cfm-ethlm-near-end-best-case-cir-loss-ratio
      </cfm-ethlm-near-end-best-case-cir-loss-ratio>
      <cfm-ethlm-near-end-worst-case-cir-loss>
        cfm-ethlm-near-end-worst-case-cir-loss
      </cfm-ethlm-near-end-worst-case-cir-loss>
      <cfm-ethlm-near-end-worst-case-cir-loss-ratio>
        cfm-ethlm-near-end-worst-case-cir-loss-ratio
      </cfm-ethlm-near-end-worst-case-cir-loss-ratio>
      <cfm-ethlm-far-end-best-case-cir-loss>
        cfm-ethlm-far-end-best-case-cir-loss
      </cfm-ethlm-far-end-best-case-cir-loss>
      <cfm-ethlm-far-end-best-case-cir-loss-ratio>
        cfm-ethlm-far-end-best-case-cir-loss-ratio
      </cfm-ethlm-far-end-best-case-cir-loss-ratio>
      <cfm-ethlm-far-end-worst-case-cir-loss>
        cfm-ethlm-far-end-worst-case-cir-loss
      </cfm-ethlm-far-end-worst-case-cir-loss>
      <cfm-ethlm-far-end-worst-case-cir-loss-ratio>
        cfm-ethlm-far-end-worst-case-cir-loss-ratio
      </cfm-ethlm-far-end-worst-case-cir-loss-ratio>
    </cfm-ethlm-cir-loss-summary>
  </cfm-entry>
</cfm-mep-statistics>

```

## Description

### <cfm-ethlm-cir-loss-summary>

#### Usage

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-ethlm-cir-loss-summary>
      <cfm-ethlm-average-near-end-cir-loss>
        cfm-ethlm-average-near-end-cir-loss
      </cfm-ethlm-average-near-end-cir-loss>
      <cfm-ethlm-average-near-end-cir-loss-ratio>
        cfm-ethlm-average-near-end-cir-loss-ratio
      </cfm-ethlm-average-near-end-cir-loss-ratio>
      <cfm-ethlm-average-far-end-cir-loss>
        cfm-ethlm-average-far-end-cir-loss
      </cfm-ethlm-average-far-end-cir-loss>
      <cfm-ethlm-average-far-end-cir-loss-ratio>
        cfm-ethlm-average-far-end-cir-loss-ratio
      </cfm-ethlm-average-far-end-cir-loss-ratio>
      <cfm-ethlm-near-end-best-case-cir-loss>
        cfm-ethlm-near-end-best-case-cir-loss
      </cfm-ethlm-near-end-best-case-cir-loss>
      <cfm-ethlm-near-end-best-case-cir-loss-ratio>
        cfm-ethlm-near-end-best-case-cir-loss-ratio
      </cfm-ethlm-near-end-best-case-cir-loss-ratio>
      <cfm-ethlm-near-end-worst-case-cir-loss>
        cfm-ethlm-near-end-worst-case-cir-loss
      </cfm-ethlm-near-end-worst-case-cir-loss>
      <cfm-ethlm-near-end-worst-case-cir-loss-ratio>
        cfm-ethlm-near-end-worst-case-cir-loss-ratio
      </cfm-ethlm-near-end-worst-case-cir-loss-ratio>
      <cfm-ethlm-far-end-best-case-cir-loss>
        cfm-ethlm-far-end-best-case-cir-loss
      </cfm-ethlm-far-end-best-case-cir-loss>
      <cfm-ethlm-far-end-best-case-cir-loss-ratio>
        cfm-ethlm-far-end-best-case-cir-loss-ratio
      </cfm-ethlm-far-end-best-case-cir-loss-ratio>
      <cfm-ethlm-far-end-worst-case-cir-loss>
        cfm-ethlm-far-end-worst-case-cir-loss
      </cfm-ethlm-far-end-worst-case-cir-loss>
      <cfm-ethlm-far-end-worst-case-cir-loss-ratio>
        cfm-ethlm-far-end-worst-case-cir-loss-ratio
      </cfm-ethlm-far-end-worst-case-cir-loss-ratio>
    </cfm-ethlm-cir-loss-summary>
  </cfm-entry>
</cfm-delay-statistics>
```

## Description

### <cfm-ethlm-cir-loss-summary>

#### Usage

```
<cfm-loss-statistics>
  <cfm-entry>
```

```

<cfm-ethlm-cir-loss-summary>
  <cfm-ethlm-average-near-end-cir-loss>
    cfm-ethlm-average-near-end-cir-loss
  </cfm-ethlm-average-near-end-cir-loss>
  <cfm-ethlm-average-near-end-cir-loss-ratio>
    cfm-ethlm-average-near-end-cir-loss-ratio
  </cfm-ethlm-average-near-end-cir-loss-ratio>
  <cfm-ethlm-average-far-end-cir-loss>
    cfm-ethlm-average-far-end-cir-loss
  </cfm-ethlm-average-far-end-cir-loss>
  <cfm-ethlm-average-far-end-cir-loss-ratio>
    cfm-ethlm-average-far-end-cir-loss-ratio
  </cfm-ethlm-average-far-end-cir-loss-ratio>
  <cfm-ethlm-near-end-best-case-cir-loss>
    cfm-ethlm-near-end-best-case-cir-loss
  </cfm-ethlm-near-end-best-case-cir-loss>
  <cfm-ethlm-near-end-best-case-cir-loss-ratio>
    cfm-ethlm-near-end-best-case-cir-loss-ratio
  </cfm-ethlm-near-end-best-case-cir-loss-ratio>
  <cfm-ethlm-near-end-worst-case-cir-loss>
    cfm-ethlm-near-end-worst-case-cir-loss
  </cfm-ethlm-near-end-worst-case-cir-loss>
  <cfm-ethlm-near-end-worst-case-cir-loss-ratio>
    cfm-ethlm-near-end-worst-case-cir-loss-ratio
  </cfm-ethlm-near-end-worst-case-cir-loss-ratio>
  <cfm-ethlm-far-end-best-case-cir-loss>
    cfm-ethlm-far-end-best-case-cir-loss
  </cfm-ethlm-far-end-best-case-cir-loss>
  <cfm-ethlm-far-end-best-case-cir-loss-ratio>
    cfm-ethlm-far-end-best-case-cir-loss-ratio
  </cfm-ethlm-far-end-best-case-cir-loss-ratio>
  <cfm-ethlm-far-end-worst-case-cir-loss>
    cfm-ethlm-far-end-worst-case-cir-loss
  </cfm-ethlm-far-end-worst-case-cir-loss>
  <cfm-ethlm-far-end-worst-case-cir-loss-ratio>
    cfm-ethlm-far-end-worst-case-cir-loss-ratio
  </cfm-ethlm-far-end-worst-case-cir-loss-ratio>
</cfm-ethlm-cir-loss-summary>
</cfm-entry>
</cfm-loss-statistics>

```

## Description

### <cfm-ethlm-cir-loss-summary>

#### Usage

```

<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-ethlm-cir-loss-summary>
      <cfm-ethlm-average-near-end-cir-loss>
        cfm-ethlm-average-near-end-cir-loss
      </cfm-ethlm-average-near-end-cir-loss>
      <cfm-ethlm-average-near-end-cir-loss-ratio>
        cfm-ethlm-average-near-end-cir-loss-ratio
      </cfm-ethlm-average-near-end-cir-loss-ratio>
    
```

```

<cfm-ethlm-average-far-end-cir-loss>
  cfm-ethlm-average-far-end-cir-loss
</cfm-ethlm-average-far-end-cir-loss>
<cfm-ethlm-average-far-end-cir-loss-ratio>
  cfm-ethlm-average-far-end-cir-loss-ratio
</cfm-ethlm-average-far-end-cir-loss-ratio>
<cfm-ethlm-near-end-best-case-cir-loss>
  cfm-ethlm-near-end-best-case-cir-loss
</cfm-ethlm-near-end-best-case-cir-loss>
<cfm-ethlm-near-end-best-case-cir-loss-ratio>
  cfm-ethlm-near-end-best-case-cir-loss-ratio
</cfm-ethlm-near-end-best-case-cir-loss-ratio>
<cfm-ethlm-near-end-worst-case-cir-loss>
  cfm-ethlm-near-end-worst-case-cir-loss
</cfm-ethlm-near-end-worst-case-cir-loss>
<cfm-ethlm-near-end-worst-case-cir-loss-ratio>
  cfm-ethlm-near-end-worst-case-cir-loss-ratio
</cfm-ethlm-near-end-worst-case-cir-loss-ratio>
<cfm-ethlm-far-end-best-case-cir-loss>
  cfm-ethlm-far-end-best-case-cir-loss
</cfm-ethlm-far-end-best-case-cir-loss>
<cfm-ethlm-far-end-best-case-cir-loss-ratio>
  cfm-ethlm-far-end-best-case-cir-loss-ratio
</cfm-ethlm-far-end-best-case-cir-loss-ratio>
<cfm-ethlm-far-end-worst-case-cir-loss>
  cfm-ethlm-far-end-worst-case-cir-loss
</cfm-ethlm-far-end-worst-case-cir-loss>
<cfm-ethlm-far-end-worst-case-cir-loss-ratio>
  cfm-ethlm-far-end-worst-case-cir-loss-ratio
</cfm-ethlm-far-end-worst-case-cir-loss-ratio>
</cfm-ethlm-cir-loss-summary>
</cfm-entry>
</cfm-iterator-statistics>

```

## Description

### <cfm-ethlm-eir-loss-summary>

#### Usage

```

<cfm-entry>
  <cfm-ethlm-eir-loss-summary>
    <cfm-ethlm-average-near-end-eir-loss>
      cfm-ethlm-average-near-end-eir-loss
    </cfm-ethlm-average-near-end-eir-loss>
    <cfm-ethlm-average-near-end-eir-loss-ratio>
      cfm-ethlm-average-near-end-eir-loss-ratio
    </cfm-ethlm-average-near-end-eir-loss-ratio>
    <cfm-ethlm-average-far-end-eir-loss>
      cfm-ethlm-average-far-end-eir-loss
    </cfm-ethlm-average-far-end-eir-loss>
    <cfm-ethlm-average-far-end-eir-loss-ratio>
      cfm-ethlm-average-far-end-eir-loss-ratio
    </cfm-ethlm-average-far-end-eir-loss-ratio>
    <cfm-ethlm-near-end-best-case-eir-loss>
      cfm-ethlm-near-end-best-case-eir-loss

```

```

</cfm-ethlm-near-end-best-case-eir-loss>
<cfm-ethlm-near-end-best-case-eir-loss-ratio>
  cfm-ethlm-near-end-best-case-eir-loss-ratio
</cfm-ethlm-near-end-best-case-eir-loss-ratio>
<cfm-ethlm-near-end-worst-case-eir-loss>
  cfm-ethlm-near-end-worst-case-eir-loss
</cfm-ethlm-near-end-worst-case-eir-loss>
<cfm-ethlm-near-end-worst-case-eir-loss-ratio>
  cfm-ethlm-near-end-worst-case-eir-loss-ratio
</cfm-ethlm-near-end-worst-case-eir-loss-ratio>
<cfm-ethlm-far-end-best-case-eir-loss>
  cfm-ethlm-far-end-best-case-eir-loss
</cfm-ethlm-far-end-best-case-eir-loss>
<cfm-ethlm-far-end-best-case-eir-loss-ratio>
  cfm-ethlm-far-end-best-case-eir-loss-ratio
</cfm-ethlm-far-end-best-case-eir-loss-ratio>
<cfm-ethlm-far-end-worst-case-eir-loss>
  cfm-ethlm-far-end-worst-case-eir-loss
</cfm-ethlm-far-end-worst-case-eir-loss>
<cfm-ethlm-far-end-worst-case-eir-loss-ratio>
  cfm-ethlm-far-end-worst-case-eir-loss-ratio
</cfm-ethlm-far-end-worst-case-eir-loss-ratio>
</cfm-ethlm-eir-loss-summary>
</cfm-entry>

```

## Description

### <cfm-ethlm-eir-loss-summary>

## Usage

```

<cfm-interface>
<cfm-entry>
  <cfm-ethlm-eir-loss-summary>
    <cfm-ethlm-average-near-end-eir-loss>
      cfm-ethlm-average-near-end-eir-loss
    </cfm-ethlm-average-near-end-eir-loss>
    <cfm-ethlm-average-near-end-eir-loss-ratio>
      cfm-ethlm-average-near-end-eir-loss-ratio
    </cfm-ethlm-average-near-end-eir-loss-ratio>
    <cfm-ethlm-average-far-end-eir-loss>
      cfm-ethlm-average-far-end-eir-loss
    </cfm-ethlm-average-far-end-eir-loss>
    <cfm-ethlm-average-far-end-eir-loss-ratio>
      cfm-ethlm-average-far-end-eir-loss-ratio
    </cfm-ethlm-average-far-end-eir-loss-ratio>
    <cfm-ethlm-near-end-best-case-eir-loss>
      cfm-ethlm-near-end-best-case-eir-loss
    </cfm-ethlm-near-end-best-case-eir-loss>
    <cfm-ethlm-near-end-best-case-eir-loss-ratio>
      cfm-ethlm-near-end-best-case-eir-loss-ratio
    </cfm-ethlm-near-end-best-case-eir-loss-ratio>
    <cfm-ethlm-near-end-worst-case-eir-loss>
      cfm-ethlm-near-end-worst-case-eir-loss
    </cfm-ethlm-near-end-worst-case-eir-loss>
    <cfm-ethlm-near-end-worst-case-eir-loss-ratio>

```

```

        cfm-ethlm-near-end-worst-case-eir-loss-ratio
      </cfm-ethlm-near-end-worst-case-eir-loss-ratio>
    <cfm-ethlm-far-end-best-case-eir-loss>
      cfm-ethlm-far-end-best-case-eir-loss
    </cfm-ethlm-far-end-best-case-eir-loss>
    <cfm-ethlm-far-end-best-case-eir-loss-ratio>
      cfm-ethlm-far-end-best-case-eir-loss-ratio
    </cfm-ethlm-far-end-best-case-eir-loss-ratio>
    <cfm-ethlm-far-end-worst-case-eir-loss>
      cfm-ethlm-far-end-worst-case-eir-loss
    </cfm-ethlm-far-end-worst-case-eir-loss>
    <cfm-ethlm-far-end-worst-case-eir-loss-ratio>
      cfm-ethlm-far-end-worst-case-eir-loss-ratio
    </cfm-ethlm-far-end-worst-case-eir-loss-ratio>
  </cfm-ethlm-eir-loss-summary>
</cfm-entry>
</cfm-interface>

```

## Description

### <cfm-ethlm-eir-loss-summary>

#### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-ethlm-eir-loss-summary>
      <cfm-ethlm-average-near-end-eir-loss>
        cfm-ethlm-average-near-end-eir-loss
      </cfm-ethlm-average-near-end-eir-loss>
      <cfm-ethlm-average-near-end-eir-loss-ratio>
        cfm-ethlm-average-near-end-eir-loss-ratio
      </cfm-ethlm-average-near-end-eir-loss-ratio>
      <cfm-ethlm-average-far-end-eir-loss>
        cfm-ethlm-average-far-end-eir-loss
      </cfm-ethlm-average-far-end-eir-loss>
      <cfm-ethlm-average-far-end-eir-loss-ratio>
        cfm-ethlm-average-far-end-eir-loss-ratio
      </cfm-ethlm-average-far-end-eir-loss-ratio>
      <cfm-ethlm-near-end-best-case-eir-loss>
        cfm-ethlm-near-end-best-case-eir-loss
      </cfm-ethlm-near-end-best-case-eir-loss>
      <cfm-ethlm-near-end-best-case-eir-loss-ratio>
        cfm-ethlm-near-end-best-case-eir-loss-ratio
      </cfm-ethlm-near-end-best-case-eir-loss-ratio>
      <cfm-ethlm-near-end-worst-case-eir-loss>
        cfm-ethlm-near-end-worst-case-eir-loss
      </cfm-ethlm-near-end-worst-case-eir-loss>
      <cfm-ethlm-near-end-worst-case-eir-loss-ratio>
        cfm-ethlm-near-end-worst-case-eir-loss-ratio
      </cfm-ethlm-near-end-worst-case-eir-loss-ratio>
      <cfm-ethlm-far-end-best-case-eir-loss>
        cfm-ethlm-far-end-best-case-eir-loss
      </cfm-ethlm-far-end-best-case-eir-loss>
      <cfm-ethlm-far-end-best-case-eir-loss-ratio>
        cfm-ethlm-far-end-best-case-eir-loss-ratio

```

```

    </cfm-ethlm-far-end-best-case-eir-loss-ratio>
    <cfm-ethlm-far-end-worst-case-eir-loss>
      cfm-ethlm-far-end-worst-case-eir-loss
    </cfm-ethlm-far-end-worst-case-eir-loss>
    <cfm-ethlm-far-end-worst-case-eir-loss-ratio>
      cfm-ethlm-far-end-worst-case-eir-loss-ratio
    </cfm-ethlm-far-end-worst-case-eir-loss-ratio>
  </cfm-ethlm-eir-loss-summary>
</cfm-entry>
</cfm-mep-database>

```

## Description

### <cfm-ethlm-eir-loss-summary>

#### Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-ethlm-eir-loss-summary>
      <cfm-ethlm-average-near-end-eir-loss>
        cfm-ethlm-average-near-end-eir-loss
      </cfm-ethlm-average-near-end-eir-loss>
      <cfm-ethlm-average-near-end-eir-loss-ratio>
        cfm-ethlm-average-near-end-eir-loss-ratio
      </cfm-ethlm-average-near-end-eir-loss-ratio>
      <cfm-ethlm-average-far-end-eir-loss>
        cfm-ethlm-average-far-end-eir-loss
      </cfm-ethlm-average-far-end-eir-loss>
      <cfm-ethlm-average-far-end-eir-loss-ratio>
        cfm-ethlm-average-far-end-eir-loss-ratio
      </cfm-ethlm-average-far-end-eir-loss-ratio>
      <cfm-ethlm-near-end-best-case-eir-loss>
        cfm-ethlm-near-end-best-case-eir-loss
      </cfm-ethlm-near-end-best-case-eir-loss>
      <cfm-ethlm-near-end-best-case-eir-loss-ratio>
        cfm-ethlm-near-end-best-case-eir-loss-ratio
      </cfm-ethlm-near-end-best-case-eir-loss-ratio>
      <cfm-ethlm-near-end-worst-case-eir-loss>
        cfm-ethlm-near-end-worst-case-eir-loss
      </cfm-ethlm-near-end-worst-case-eir-loss>
      <cfm-ethlm-near-end-worst-case-eir-loss-ratio>
        cfm-ethlm-near-end-worst-case-eir-loss-ratio
      </cfm-ethlm-near-end-worst-case-eir-loss-ratio>
      <cfm-ethlm-far-end-best-case-eir-loss>
        cfm-ethlm-far-end-best-case-eir-loss
      </cfm-ethlm-far-end-best-case-eir-loss>
      <cfm-ethlm-far-end-best-case-eir-loss-ratio>
        cfm-ethlm-far-end-best-case-eir-loss-ratio
      </cfm-ethlm-far-end-best-case-eir-loss-ratio>
      <cfm-ethlm-far-end-worst-case-eir-loss>
        cfm-ethlm-far-end-worst-case-eir-loss
      </cfm-ethlm-far-end-worst-case-eir-loss>
      <cfm-ethlm-far-end-worst-case-eir-loss-ratio>
        cfm-ethlm-far-end-worst-case-eir-loss-ratio
      </cfm-ethlm-far-end-worst-case-eir-loss-ratio>
    </cfm-ethlm-eir-loss-summary>
  </cfm-entry>
</cfm-mep-statistics>

```

```

    </cfm-ethlm-eir-loss-summary>
  </cfm-entry>
</cfm-mep-statistics>

```

## Description

### <cfm-ethlm-eir-loss-summary>

#### Usage

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-ethlm-eir-loss-summary>
      <cfm-ethlm-average-near-end-eir-loss>
        cfm-ethlm-average-near-end-eir-loss
      </cfm-ethlm-average-near-end-eir-loss>
      <cfm-ethlm-average-near-end-eir-loss-ratio>
        cfm-ethlm-average-near-end-eir-loss-ratio
      </cfm-ethlm-average-near-end-eir-loss-ratio>
      <cfm-ethlm-average-far-end-eir-loss>
        cfm-ethlm-average-far-end-eir-loss
      </cfm-ethlm-average-far-end-eir-loss>
      <cfm-ethlm-average-far-end-eir-loss-ratio>
        cfm-ethlm-average-far-end-eir-loss-ratio
      </cfm-ethlm-average-far-end-eir-loss-ratio>
      <cfm-ethlm-near-end-best-case-eir-loss>
        cfm-ethlm-near-end-best-case-eir-loss
      </cfm-ethlm-near-end-best-case-eir-loss>
      <cfm-ethlm-near-end-best-case-eir-loss-ratio>
        cfm-ethlm-near-end-best-case-eir-loss-ratio
      </cfm-ethlm-near-end-best-case-eir-loss-ratio>
      <cfm-ethlm-near-end-worst-case-eir-loss>
        cfm-ethlm-near-end-worst-case-eir-loss
      </cfm-ethlm-near-end-worst-case-eir-loss>
      <cfm-ethlm-near-end-worst-case-eir-loss-ratio>
        cfm-ethlm-near-end-worst-case-eir-loss-ratio
      </cfm-ethlm-near-end-worst-case-eir-loss-ratio>
      <cfm-ethlm-far-end-best-case-eir-loss>
        cfm-ethlm-far-end-best-case-eir-loss
      </cfm-ethlm-far-end-best-case-eir-loss>
      <cfm-ethlm-far-end-best-case-eir-loss-ratio>
        cfm-ethlm-far-end-best-case-eir-loss-ratio
      </cfm-ethlm-far-end-best-case-eir-loss-ratio>
      <cfm-ethlm-far-end-worst-case-eir-loss>
        cfm-ethlm-far-end-worst-case-eir-loss
      </cfm-ethlm-far-end-worst-case-eir-loss>
      <cfm-ethlm-far-end-worst-case-eir-loss-ratio>
        cfm-ethlm-far-end-worst-case-eir-loss-ratio
      </cfm-ethlm-far-end-worst-case-eir-loss-ratio>
    </cfm-ethlm-eir-loss-summary>
  </cfm-entry>
</cfm-delay-statistics>

```

## Description



## <cfm-ethlm-eir-loss-summary>

### Usage

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-ethlm-eir-loss-summary>
      <cfm-ethlm-average-near-end-eir-loss>
        cfm-ethlm-average-near-end-eir-loss
      </cfm-ethlm-average-near-end-eir-loss>
      <cfm-ethlm-average-near-end-eir-loss-ratio>
        cfm-ethlm-average-near-end-eir-loss-ratio
      </cfm-ethlm-average-near-end-eir-loss-ratio>
      <cfm-ethlm-average-far-end-eir-loss>
        cfm-ethlm-average-far-end-eir-loss
      </cfm-ethlm-average-far-end-eir-loss>
      <cfm-ethlm-average-far-end-eir-loss-ratio>
        cfm-ethlm-average-far-end-eir-loss-ratio
      </cfm-ethlm-average-far-end-eir-loss-ratio>
      <cfm-ethlm-near-end-best-case-eir-loss>
        cfm-ethlm-near-end-best-case-eir-loss
      </cfm-ethlm-near-end-best-case-eir-loss>
      <cfm-ethlm-near-end-best-case-eir-loss-ratio>
        cfm-ethlm-near-end-best-case-eir-loss-ratio
      </cfm-ethlm-near-end-best-case-eir-loss-ratio>
      <cfm-ethlm-near-end-worst-case-eir-loss>
        cfm-ethlm-near-end-worst-case-eir-loss
      </cfm-ethlm-near-end-worst-case-eir-loss>
      <cfm-ethlm-near-end-worst-case-eir-loss-ratio>
        cfm-ethlm-near-end-worst-case-eir-loss-ratio
      </cfm-ethlm-near-end-worst-case-eir-loss-ratio>
      <cfm-ethlm-far-end-best-case-eir-loss>
        cfm-ethlm-far-end-best-case-eir-loss
      </cfm-ethlm-far-end-best-case-eir-loss>
      <cfm-ethlm-far-end-best-case-eir-loss-ratio>
        cfm-ethlm-far-end-best-case-eir-loss-ratio
      </cfm-ethlm-far-end-best-case-eir-loss-ratio>
      <cfm-ethlm-far-end-worst-case-eir-loss>
        cfm-ethlm-far-end-worst-case-eir-loss
      </cfm-ethlm-far-end-worst-case-eir-loss>
      <cfm-ethlm-far-end-worst-case-eir-loss-ratio>
        cfm-ethlm-far-end-worst-case-eir-loss-ratio
      </cfm-ethlm-far-end-worst-case-eir-loss-ratio>
    </cfm-ethlm-eir-loss-summary>
  </cfm-entry>
</cfm-loss-statistics>

```

### Description

## <cfm-ethlm-eir-loss-summary>

### Usage

```

<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-ethlm-eir-loss-summary>

```

```

<cfm-ethlm-average-near-end-eir-loss>
  cfm-ethlm-average-near-end-eir-loss
</cfm-ethlm-average-near-end-eir-loss>
<cfm-ethlm-average-near-end-eir-loss-ratio>
  cfm-ethlm-average-near-end-eir-loss-ratio
</cfm-ethlm-average-near-end-eir-loss-ratio>
<cfm-ethlm-average-far-end-eir-loss>
  cfm-ethlm-average-far-end-eir-loss
</cfm-ethlm-average-far-end-eir-loss>
<cfm-ethlm-average-far-end-eir-loss-ratio>
  cfm-ethlm-average-far-end-eir-loss-ratio
</cfm-ethlm-average-far-end-eir-loss-ratio>
<cfm-ethlm-near-end-best-case-eir-loss>
  cfm-ethlm-near-end-best-case-eir-loss
</cfm-ethlm-near-end-best-case-eir-loss>
<cfm-ethlm-near-end-best-case-eir-loss-ratio>
  cfm-ethlm-near-end-best-case-eir-loss-ratio
</cfm-ethlm-near-end-best-case-eir-loss-ratio>
<cfm-ethlm-near-end-worst-case-eir-loss>
  cfm-ethlm-near-end-worst-case-eir-loss
</cfm-ethlm-near-end-worst-case-eir-loss>
<cfm-ethlm-near-end-worst-case-eir-loss-ratio>
  cfm-ethlm-near-end-worst-case-eir-loss-ratio
</cfm-ethlm-near-end-worst-case-eir-loss-ratio>
<cfm-ethlm-far-end-best-case-eir-loss>
  cfm-ethlm-far-end-best-case-eir-loss
</cfm-ethlm-far-end-best-case-eir-loss>
<cfm-ethlm-far-end-best-case-eir-loss-ratio>
  cfm-ethlm-far-end-best-case-eir-loss-ratio
</cfm-ethlm-far-end-best-case-eir-loss-ratio>
<cfm-ethlm-far-end-worst-case-eir-loss>
  cfm-ethlm-far-end-worst-case-eir-loss
</cfm-ethlm-far-end-worst-case-eir-loss>
<cfm-ethlm-far-end-worst-case-eir-loss-ratio>
  cfm-ethlm-far-end-worst-case-eir-loss-ratio
</cfm-ethlm-far-end-worst-case-eir-loss-ratio>
</cfm-ethlm-eir-loss-summary>
</cfm-entry>
</cfm-iterator-statistics>

```

## Description

### <cfm-ethlm-loss-entry>

#### Usage

```

<cfm-entry>
  <cfm-ethlm-loss-entry>
    <cfm-ethlm-loss-entry-index>
      cfm-ethlm-loss-entry-index
    </cfm-ethlm-loss-entry-index>
    <cfm-ethlm-near-end-cir-frame-loss>
      cfm-ethlm-near-end-cir-frame-loss
    </cfm-ethlm-near-end-cir-frame-loss>
    <cfm-ethlm-near-end-total-cir-tx>
      cfm-ethlm-near-end-total-cir-tx

```

```

</cfm-ethlm-near-end-total-cir-tx>
<cfm-ethlm-far-end-cir-frame-loss>
  cfm-ethlm-far-end-cir-frame-loss
</cfm-ethlm-far-end-cir-frame-loss>
<cfm-ethlm-far-end-total-cir-tx>
  cfm-ethlm-far-end-total-cir-tx
</cfm-ethlm-far-end-total-cir-tx>
<cfm-ethlm-near-end-eir-frame-loss>
  cfm-ethlm-near-end-eir-frame-loss
</cfm-ethlm-near-end-eir-frame-loss>
<cfm-ethlm-near-end-total-eir-tx>
  cfm-ethlm-near-end-total-eir-tx
</cfm-ethlm-near-end-total-eir-tx>
<cfm-ethlm-far-end-eir-frame-loss>
  cfm-ethlm-far-end-eir-frame-loss
</cfm-ethlm-far-end-eir-frame-loss>
<cfm-ethlm-far-end-total-eir-tx>
  cfm-ethlm-far-end-total-eir-tx
</cfm-ethlm-far-end-total-eir-tx>
<cfm-ethlm-near-end-cir-frame-loss-ratio>
  cfm-ethlm-near-end-cir-frame-loss-ratio
</cfm-ethlm-near-end-cir-frame-loss-ratio>
<cfm-ethlm-far-end-cir-frame-loss-ratio>
  cfm-ethlm-far-end-cir-frame-loss-ratio
</cfm-ethlm-far-end-cir-frame-loss-ratio>
<cfm-ethlm-near-end-eir-frame-loss-ratio>
  cfm-ethlm-near-end-eir-frame-loss-ratio
</cfm-ethlm-near-end-eir-frame-loss-ratio>
<cfm-ethlm-far-end-eir-frame-loss-ratio>
  cfm-ethlm-far-end-eir-frame-loss-ratio
</cfm-ethlm-far-end-eir-frame-loss-ratio>
</cfm-ethlm-loss-entry>
</cfm-entry>

```

## Description

### <cfm-ethlm-loss-entry>

## Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-ethlm-loss-entry>
      <cfm-ethlm-loss-entry-index>
        cfm-ethlm-loss-entry-index
      </cfm-ethlm-loss-entry-index>
      <cfm-ethlm-near-end-cir-frame-loss>
        cfm-ethlm-near-end-cir-frame-loss
      </cfm-ethlm-near-end-cir-frame-loss>
      <cfm-ethlm-near-end-total-cir-tx>
        cfm-ethlm-near-end-total-cir-tx
      </cfm-ethlm-near-end-total-cir-tx>
      <cfm-ethlm-far-end-cir-frame-loss>
        cfm-ethlm-far-end-cir-frame-loss
      </cfm-ethlm-far-end-cir-frame-loss>
      <cfm-ethlm-far-end-total-cir-tx>

```

```

    cfm-ethlm-far-end-total-cir-tx
  </cfm-ethlm-far-end-total-cir-tx>
  <cfm-ethlm-near-end-eir-frame-loss>
    cfm-ethlm-near-end-eir-frame-loss
  </cfm-ethlm-near-end-eir-frame-loss>
  <cfm-ethlm-near-end-total-eir-tx>
    cfm-ethlm-near-end-total-eir-tx
  </cfm-ethlm-near-end-total-eir-tx>
  <cfm-ethlm-far-end-eir-frame-loss>
    cfm-ethlm-far-end-eir-frame-loss
  </cfm-ethlm-far-end-eir-frame-loss>
  <cfm-ethlm-far-end-total-eir-tx>
    cfm-ethlm-far-end-total-eir-tx
  </cfm-ethlm-far-end-total-eir-tx>
  <cfm-ethlm-near-end-cir-frame-loss-ratio>
    cfm-ethlm-near-end-cir-frame-loss-ratio
  </cfm-ethlm-near-end-cir-frame-loss-ratio>
  <cfm-ethlm-far-end-cir-frame-loss-ratio>
    cfm-ethlm-far-end-cir-frame-loss-ratio
  </cfm-ethlm-far-end-cir-frame-loss-ratio>
  <cfm-ethlm-near-end-eir-frame-loss-ratio>
    cfm-ethlm-near-end-eir-frame-loss-ratio
  </cfm-ethlm-near-end-eir-frame-loss-ratio>
  <cfm-ethlm-far-end-eir-frame-loss-ratio>
    cfm-ethlm-far-end-eir-frame-loss-ratio
  </cfm-ethlm-far-end-eir-frame-loss-ratio>
</cfm-ethlm-loss-entry>
</cfm-entry>
</cfm-interface>

```

## Description

### <cfm-ethlm-loss-entry>

#### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-ethlm-loss-entry>
      <cfm-ethlm-loss-entry-index>
        cfm-ethlm-loss-entry-index
      </cfm-ethlm-loss-entry-index>
      <cfm-ethlm-near-end-cir-frame-loss>
        cfm-ethlm-near-end-cir-frame-loss
      </cfm-ethlm-near-end-cir-frame-loss>
      <cfm-ethlm-near-end-total-cir-tx>
        cfm-ethlm-near-end-total-cir-tx
      </cfm-ethlm-near-end-total-cir-tx>
      <cfm-ethlm-far-end-cir-frame-loss>
        cfm-ethlm-far-end-cir-frame-loss
      </cfm-ethlm-far-end-cir-frame-loss>
      <cfm-ethlm-far-end-total-cir-tx>
        cfm-ethlm-far-end-total-cir-tx
      </cfm-ethlm-far-end-total-cir-tx>
      <cfm-ethlm-near-end-eir-frame-loss>
        cfm-ethlm-near-end-eir-frame-loss

```

```

</cfm-ethlm-near-end-eir-frame-loss>
<cfm-ethlm-near-end-total-eir-tx>
  cfm-ethlm-near-end-total-eir-tx
</cfm-ethlm-near-end-total-eir-tx>
<cfm-ethlm-far-end-eir-frame-loss>
  cfm-ethlm-far-end-eir-frame-loss
</cfm-ethlm-far-end-eir-frame-loss>
<cfm-ethlm-far-end-total-eir-tx>
  cfm-ethlm-far-end-total-eir-tx
</cfm-ethlm-far-end-total-eir-tx>
<cfm-ethlm-near-end-cir-frame-loss-ratio>
  cfm-ethlm-near-end-cir-frame-loss-ratio
</cfm-ethlm-near-end-cir-frame-loss-ratio>
<cfm-ethlm-far-end-cir-frame-loss-ratio>
  cfm-ethlm-far-end-cir-frame-loss-ratio
</cfm-ethlm-far-end-cir-frame-loss-ratio>
<cfm-ethlm-near-end-eir-frame-loss-ratio>
  cfm-ethlm-near-end-eir-frame-loss-ratio
</cfm-ethlm-near-end-eir-frame-loss-ratio>
<cfm-ethlm-far-end-eir-frame-loss-ratio>
  cfm-ethlm-far-end-eir-frame-loss-ratio
</cfm-ethlm-far-end-eir-frame-loss-ratio>
</cfm-ethlm-loss-entry>
</cfm-entry>
</cfm-mep-database>

```

## Description

### <cfm-ethlm-loss-entry>

## Usage

```

<cfm-mep-statistics>
<cfm-entry>
  <cfm-ethlm-loss-entry>
    <cfm-ethlm-loss-entry-index>
      cfm-ethlm-loss-entry-index
    </cfm-ethlm-loss-entry-index>
    <cfm-ethlm-near-end-cir-frame-loss>
      cfm-ethlm-near-end-cir-frame-loss
    </cfm-ethlm-near-end-cir-frame-loss>
    <cfm-ethlm-near-end-total-cir-tx>
      cfm-ethlm-near-end-total-cir-tx
    </cfm-ethlm-near-end-total-cir-tx>
    <cfm-ethlm-far-end-cir-frame-loss>
      cfm-ethlm-far-end-cir-frame-loss
    </cfm-ethlm-far-end-cir-frame-loss>
    <cfm-ethlm-far-end-total-cir-tx>
      cfm-ethlm-far-end-total-cir-tx
    </cfm-ethlm-far-end-total-cir-tx>
    <cfm-ethlm-near-end-eir-frame-loss>
      cfm-ethlm-near-end-eir-frame-loss
    </cfm-ethlm-near-end-eir-frame-loss>
    <cfm-ethlm-near-end-total-eir-tx>
      cfm-ethlm-near-end-total-eir-tx
    </cfm-ethlm-near-end-total-eir-tx>
  </cfm-ethlm-loss-entry>
</cfm-entry>

```

```

<cfm-ethlm-far-end-eir-frame-loss>
  cfm-ethlm-far-end-eir-frame-loss
</cfm-ethlm-far-end-eir-frame-loss>
<cfm-ethlm-far-end-total-eir-tx>
  cfm-ethlm-far-end-total-eir-tx
</cfm-ethlm-far-end-total-eir-tx>
<cfm-ethlm-near-end-cir-frame-loss-ratio>
  cfm-ethlm-near-end-cir-frame-loss-ratio
</cfm-ethlm-near-end-cir-frame-loss-ratio>
<cfm-ethlm-far-end-cir-frame-loss-ratio>
  cfm-ethlm-far-end-cir-frame-loss-ratio
</cfm-ethlm-far-end-cir-frame-loss-ratio>
<cfm-ethlm-near-end-eir-frame-loss-ratio>
  cfm-ethlm-near-end-eir-frame-loss-ratio
</cfm-ethlm-near-end-eir-frame-loss-ratio>
<cfm-ethlm-far-end-eir-frame-loss-ratio>
  cfm-ethlm-far-end-eir-frame-loss-ratio
</cfm-ethlm-far-end-eir-frame-loss-ratio>
</cfm-ethlm-loss-entry>
</cfm-entry>
</cfm-mep-statistics>

```

## Description

### <cfm-ethlm-loss-entry>

#### Usage

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-ethlm-loss-entry>
      <cfm-ethlm-loss-entry-index>
        cfm-ethlm-loss-entry-index
      </cfm-ethlm-loss-entry-index>
      <cfm-ethlm-near-end-cir-frame-loss>
        cfm-ethlm-near-end-cir-frame-loss
      </cfm-ethlm-near-end-cir-frame-loss>
      <cfm-ethlm-near-end-total-cir-tx>
        cfm-ethlm-near-end-total-cir-tx
      </cfm-ethlm-near-end-total-cir-tx>
      <cfm-ethlm-far-end-cir-frame-loss>
        cfm-ethlm-far-end-cir-frame-loss
      </cfm-ethlm-far-end-cir-frame-loss>
      <cfm-ethlm-far-end-total-cir-tx>
        cfm-ethlm-far-end-total-cir-tx
      </cfm-ethlm-far-end-total-cir-tx>
      <cfm-ethlm-near-end-eir-frame-loss>
        cfm-ethlm-near-end-eir-frame-loss
      </cfm-ethlm-near-end-eir-frame-loss>
      <cfm-ethlm-near-end-total-eir-tx>
        cfm-ethlm-near-end-total-eir-tx
      </cfm-ethlm-near-end-total-eir-tx>
      <cfm-ethlm-far-end-eir-frame-loss>
        cfm-ethlm-far-end-eir-frame-loss
      </cfm-ethlm-far-end-eir-frame-loss>
      <cfm-ethlm-far-end-total-eir-tx>

```

```

    cfm-ethlm-far-end-total-eir-tx
  </cfm-ethlm-far-end-total-eir-tx>
  <cfm-ethlm-near-end-cir-frame-loss-ratio>
    cfm-ethlm-near-end-cir-frame-loss-ratio
  </cfm-ethlm-near-end-cir-frame-loss-ratio>
  <cfm-ethlm-far-end-cir-frame-loss-ratio>
    cfm-ethlm-far-end-cir-frame-loss-ratio
  </cfm-ethlm-far-end-cir-frame-loss-ratio>
  <cfm-ethlm-near-end-eir-frame-loss-ratio>
    cfm-ethlm-near-end-eir-frame-loss-ratio
  </cfm-ethlm-near-end-eir-frame-loss-ratio>
  <cfm-ethlm-far-end-eir-frame-loss-ratio>
    cfm-ethlm-far-end-eir-frame-loss-ratio
  </cfm-ethlm-far-end-eir-frame-loss-ratio>
</cfm-ethlm-loss-entry>
</cfm-entry>
</cfm-delay-statistics>

```

## Description

### <cfm-ethlm-loss-entry>

#### Usage

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-ethlm-loss-entry>
      <cfm-ethlm-loss-entry-index>
        cfm-ethlm-loss-entry-index
      </cfm-ethlm-loss-entry-index>
      <cfm-ethlm-near-end-cir-frame-loss>
        cfm-ethlm-near-end-cir-frame-loss
      </cfm-ethlm-near-end-cir-frame-loss>
      <cfm-ethlm-near-end-total-cir-tx>
        cfm-ethlm-near-end-total-cir-tx
      </cfm-ethlm-near-end-total-cir-tx>
      <cfm-ethlm-far-end-cir-frame-loss>
        cfm-ethlm-far-end-cir-frame-loss
      </cfm-ethlm-far-end-cir-frame-loss>
      <cfm-ethlm-far-end-total-cir-tx>
        cfm-ethlm-far-end-total-cir-tx
      </cfm-ethlm-far-end-total-cir-tx>
      <cfm-ethlm-near-end-eir-frame-loss>
        cfm-ethlm-near-end-eir-frame-loss
      </cfm-ethlm-near-end-eir-frame-loss>
      <cfm-ethlm-near-end-total-eir-tx>
        cfm-ethlm-near-end-total-eir-tx
      </cfm-ethlm-near-end-total-eir-tx>
      <cfm-ethlm-far-end-eir-frame-loss>
        cfm-ethlm-far-end-eir-frame-loss
      </cfm-ethlm-far-end-eir-frame-loss>
      <cfm-ethlm-far-end-total-eir-tx>
        cfm-ethlm-far-end-total-eir-tx
      </cfm-ethlm-far-end-total-eir-tx>
      <cfm-ethlm-near-end-cir-frame-loss-ratio>
        cfm-ethlm-near-end-cir-frame-loss-ratio
    </cfm-ethlm-loss-entry>
  </cfm-entry>
</cfm-loss-statistics>

```

```

</cfm-ethlm-near-end-cir-frame-loss-ratio>
<cfm-ethlm-far-end-cir-frame-loss-ratio>
  cfm-ethlm-far-end-cir-frame-loss-ratio
</cfm-ethlm-far-end-cir-frame-loss-ratio>
<cfm-ethlm-near-end-eir-frame-loss-ratio>
  cfm-ethlm-near-end-eir-frame-loss-ratio
</cfm-ethlm-near-end-eir-frame-loss-ratio>
<cfm-ethlm-far-end-eir-frame-loss-ratio>
  cfm-ethlm-far-end-eir-frame-loss-ratio
</cfm-ethlm-far-end-eir-frame-loss-ratio>
</cfm-ethlm-loss-entry>
</cfm-entry>
</cfm-loss-statistics>

```

## Description

### <cfm-ethlm-loss-entry>

#### Usage

```

<cfm-iterator-statistics>
<cfm-entry>
  <cfm-ethlm-loss-entry>
    <cfm-ethlm-loss-entry-index>
      cfm-ethlm-loss-entry-index
    </cfm-ethlm-loss-entry-index>
    <cfm-ethlm-near-end-cir-frame-loss>
      cfm-ethlm-near-end-cir-frame-loss
    </cfm-ethlm-near-end-cir-frame-loss>
    <cfm-ethlm-near-end-total-cir-tx>
      cfm-ethlm-near-end-total-cir-tx
    </cfm-ethlm-near-end-total-cir-tx>
    <cfm-ethlm-far-end-cir-frame-loss>
      cfm-ethlm-far-end-cir-frame-loss
    </cfm-ethlm-far-end-cir-frame-loss>
    <cfm-ethlm-far-end-total-cir-tx>
      cfm-ethlm-far-end-total-cir-tx
    </cfm-ethlm-far-end-total-cir-tx>
    <cfm-ethlm-near-end-eir-frame-loss>
      cfm-ethlm-near-end-eir-frame-loss
    </cfm-ethlm-near-end-eir-frame-loss>
    <cfm-ethlm-near-end-total-eir-tx>
      cfm-ethlm-near-end-total-eir-tx
    </cfm-ethlm-near-end-total-eir-tx>
    <cfm-ethlm-far-end-eir-frame-loss>
      cfm-ethlm-far-end-eir-frame-loss
    </cfm-ethlm-far-end-eir-frame-loss>
    <cfm-ethlm-far-end-total-eir-tx>
      cfm-ethlm-far-end-total-eir-tx
    </cfm-ethlm-far-end-total-eir-tx>
    <cfm-ethlm-near-end-cir-frame-loss-ratio>
      cfm-ethlm-near-end-cir-frame-loss-ratio
    </cfm-ethlm-near-end-cir-frame-loss-ratio>
    <cfm-ethlm-far-end-cir-frame-loss-ratio>
      cfm-ethlm-far-end-cir-frame-loss-ratio
    </cfm-ethlm-far-end-cir-frame-loss-ratio>
  </cfm-ethlm-loss-entry>
</cfm-entry>
</cfm-iterator-statistics>

```



```

    <cfm-ethlm-near-end-eir-frame-loss-ratio>
      cfm-ethlm-near-end-eir-frame-loss-ratio
    </cfm-ethlm-near-end-eir-frame-loss-ratio>
    <cfm-ethlm-far-end-eir-frame-loss-ratio>
      cfm-ethlm-far-end-eir-frame-loss-ratio
    </cfm-ethlm-far-end-eir-frame-loss-ratio>
  </cfm-ethlm-loss-entry>
</cfm-entry>
</cfm-iterator-statistics>

```

## Description

### <cfm-filter>

#### Usage

```

<cfm-filter>
  <cfm-filter-name>
    cfm-filter-name
  </cfm-filter-name>
  <cfm-filter-state>
    cfm-filter-state
  </cfm-filter-state>
  <cfm-filter-term-count>
    cfm-filter-term-count
  </cfm-filter-term-count>
  <cfm-filter-term-attachment>
    cfm-filter-term-attachment
  </cfm-filter-term-attachment>
</cfm-filter>

```

## Description

### <cfm-filter>

#### Usage

```

<cfm-firewall-filter-instance-information>
  <cfm-filter>
    <cfm-filter-name>
      cfm-filter-name
    </cfm-filter-name>
    <cfm-filter-state>
      cfm-filter-state
    </cfm-filter-state>
    <cfm-filter-term-count>
      cfm-filter-term-count
    </cfm-filter-term-count>
    <cfm-filter-term-attachment>
      cfm-filter-term-attachment
    </cfm-filter-term-attachment>
  </cfm-filter>
</cfm-firewall-filter-instance-information>

```

## Description

## <cfm-filter>

### Usage

```
<cfm-firewall-filter-interface-information>
  <cfm-filter>
    <cfm-filter-name>
      cfm-filter-name
    </cfm-filter-name>
    <cfm-filter-state>
      cfm-filter-state
    </cfm-filter-state>
    <cfm-filter-term-count>
      cfm-filter-term-count
    </cfm-filter-term-count>
    <cfm-filter-term-attachment>
      cfm-filter-term-attachment
    </cfm-filter-term-attachment>
  </cfm-filter>
</cfm-firewall-filter-interface-information>
```

### Description

## <cfm-filter-term>

### Usage

```
<cfm-filter-term>
  <cfm-filter-term-name>
    cfm-filter-term-name
  </cfm-filter-term-name>
  <cfm-filter-term-id>
    cfm-filter-term-id
  </cfm-filter-term-id>
  <cfm-filter-term-state>
    cfm-filter-term-state
  </cfm-filter-term-state>
  <cfm-filter-term-key>
    cfm-filter-term-key
  </cfm-filter-term-key>
  <cfm-filter-term-action>
    cfm-filter-term-action
  </cfm-filter-term-action>
  <cfm-filter-term-action-details>
    cfm-filter-term-action-details
  </cfm-filter-term-action-details>
  <cfm-flood-nexthop-components>....</cfm-flood-nexthop-components>
  <cfm-policer-instance-name>
    cfm-policer-instance-name
  </cfm-policer-instance-name>
</cfm-filter-term>
```

### Description

## <cfm-filter-term>

### Usage

```

<cfm-firewall-filter-instance-information>
  <cfm-filter-term>
    <cfm-filter-term-name>
      cfm-filter-term-name
    </cfm-filter-term-name>
    <cfm-filter-term-id>
      cfm-filter-term-id
    </cfm-filter-term-id>
    <cfm-filter-term-state>
      cfm-filter-term-state
    </cfm-filter-term-state>
    <cfm-filter-term-key>
      cfm-filter-term-key
    </cfm-filter-term-key>
    <cfm-filter-term-action>
      cfm-filter-term-action
    </cfm-filter-term-action>
    <cfm-filter-term-action-details>
      cfm-filter-term-action-details
    </cfm-filter-term-action-details>
    <cfm-flood-nexthop-components>....</cfm-flood-nexthop-components>
    <cfm-policer-instance-name>
      cfm-policer-instance-name
    </cfm-policer-instance-name>
  </cfm-filter-term>
</cfm-firewall-filter-instance-information>

```

### Description

## <cfm-filter-term>

### Usage

```

<cfm-firewall-filter-interface-information>
  <cfm-filter-term>
    <cfm-filter-term-name>
      cfm-filter-term-name
    </cfm-filter-term-name>
    <cfm-filter-term-id>
      cfm-filter-term-id
    </cfm-filter-term-id>
    <cfm-filter-term-state>
      cfm-filter-term-state
    </cfm-filter-term-state>
    <cfm-filter-term-key>
      cfm-filter-term-key
    </cfm-filter-term-key>
    <cfm-filter-term-action>
      cfm-filter-term-action
    </cfm-filter-term-action>
    <cfm-filter-term-action-details>
      cfm-filter-term-action-details

```

```
</cfm-filter-term-action-details>
<cfm-flood-nexthop-components>....</cfm-flood-nexthop-components>
<cfm-policer-instance-name>
  cfm-policer-instance-name
</cfm-policer-instance-name>
</cfm-filter-term>
</cfm-firewall-filter-interface-information>
```

#### Description

### <cfm-firewall-filter-instance-information>

#### Usage

```
<cfm-firewall-filter-instance-information>
<cfm-instance-name>
  cfm-instance-name
</cfm-instance-name>
<cfm-filter>....</cfm-filter>
<cfm-filter-term>....</cfm-filter-term>
</cfm-firewall-filter-instance-information>
```

#### Description

### <cfm-firewall-filter-interface-information>

#### Usage

```
<cfm-firewall-filter-interface-information>
<cfm-interface-name>
  cfm-interface-name
</cfm-interface-name>
<cfm-instance-name>
  cfm-instance-name
</cfm-instance-name>
<cfm-filter>....</cfm-filter>
<cfm-filter-term>....</cfm-filter-term>
</cfm-firewall-filter-interface-information>
```

#### Description

### <cfm-flood-instance-information>

#### Usage

```
<cfm-flood-instance-information>
<cfm-instance-name>
  cfm-instance-name
</cfm-instance-name>
<cfm-num-active-customer-endpoint-iffs>
  cfm-num-active-customer-endpoint-iffs
</cfm-num-active-customer-endpoint-iffs>
<cfm-num-active-vpn-endpoint-iffs>
  cfm-num-active-vpn-endpoint-iffs
</cfm-num-active-vpn-endpoint-iffs>
```

```
<cfm-flood-maintenance-domain-level>....</cfm-flood-maintenance-domain-level>
</cfm-flood-instance-information>
```

#### Description

### <cfm-flood-interface-information>

#### Usage

```
<cfm-flood-interface-information>
  <cfm-interface-name>
    cfm-interface-name
  </cfm-interface-name>
  <cfm-instance-name>
    cfm-instance-name
  </cfm-instance-name>

  <cfm-flood-maintenance-domain-level>....</cfm-flood-maintenance-domain-level>
</cfm-flood-interface-information>
```

#### Description

### <cfm-flood-maintenance-domain-level>

#### Usage

```
<cfm-flood-maintenance-domain-level>
  <cfm-level>
    cfm-level
  </cfm-level>
  <cfm-local-mep-direction>
    cfm-local-mep-direction
  </cfm-local-mep-direction>
  <cfm-filter-action>
    cfm-filter-action
  </cfm-filter-action>
  <cfm-nexthop-type>
    cfm-nexthop-type
  </cfm-nexthop-type>
  <cfm-nexthop-index>
    cfm-nexthop-index
  </cfm-nexthop-index>
  <cfm-flood-nexthop-components>....</cfm-flood-nexthop-components>
</cfm-flood-maintenance-domain-level>
```

#### Description

### <cfm-flood-maintenance-domain-level>

#### Usage

```
<cfm-flood-instance-information>
  <cfm-flood-maintenance-domain-level>
    <cfm-level>
      cfm-level
    </cfm-level>
```

```
<cfm-local-mep-direction>
  cfm-local-mep-direction
</cfm-local-mep-direction>
<cfm-filter-action>
  cfm-filter-action
</cfm-filter-action>
<cfm-nexthop-type>
  cfm-nexthop-type
</cfm-nexthop-type>
<cfm-nexthop-index>
  cfm-nexthop-index
</cfm-nexthop-index>
<cfm-flood-nexthop-components>....</cfm-flood-nexthop-components>
</cfm-flood-maintenance-domain-level>
</cfm-flood-instance-information>
```

#### Description

### <cfm-flood-maintenance-domain-level>

#### Usage

```
<cfm-flood-interface-information>
<cfm-flood-maintenance-domain-level>
  <cfm-level>
    cfm-level
  </cfm-level>
  <cfm-local-mep-direction>
    cfm-local-mep-direction
  </cfm-local-mep-direction>
  <cfm-filter-action>
    cfm-filter-action
  </cfm-filter-action>
  <cfm-nexthop-type>
    cfm-nexthop-type
  </cfm-nexthop-type>
  <cfm-nexthop-index>
    cfm-nexthop-index
  </cfm-nexthop-index>
  <cfm-flood-nexthop-components>....</cfm-flood-nexthop-components>
</cfm-flood-maintenance-domain-level>
</cfm-flood-interface-information>
```

#### Description

### <cfm-flood-nexthop-components>

#### Usage

```
<cfm-flood-nexthop-components>
  <cfm-interface-name>
    cfm-interface-name
  </cfm-interface-name>
  <cfm-interface-type>
    cfm-interface-type
  </cfm-interface-type>
```

```

<cfm-interface-nexthop-type>
  cfm-interface-nexthop-type
</cfm-interface-nexthop-type>
<cfm-interface-nexthop-index>
  cfm-interface-nexthop-index
</cfm-interface-nexthop-index>
</cfm-flood-nexthop-components>

```

#### Description

### <cfm-flood-nexthop-components>

#### Usage

```

<cfm-flood-maintenance-domain-level>
  <cfm-flood-nexthop-components>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-type>
      cfm-interface-type
    </cfm-interface-type>
    <cfm-interface-nexthop-type>
      cfm-interface-nexthop-type
    </cfm-interface-nexthop-type>
    <cfm-interface-nexthop-index>
      cfm-interface-nexthop-index
    </cfm-interface-nexthop-index>
  </cfm-flood-nexthop-components>
</cfm-flood-maintenance-domain-level>

```

#### Description

### <cfm-flood-nexthop-components>

#### Usage

```

<cfm-flood-instance-information>
  <cfm-flood-maintenance-domain-level>
    <cfm-flood-nexthop-components>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-type>
        cfm-interface-type
      </cfm-interface-type>
      <cfm-interface-nexthop-type>
        cfm-interface-nexthop-type
      </cfm-interface-nexthop-type>
      <cfm-interface-nexthop-index>
        cfm-interface-nexthop-index
      </cfm-interface-nexthop-index>
    </cfm-flood-nexthop-components>
  </cfm-flood-maintenance-domain-level>
</cfm-flood-instance-information>

```

**Description****<cfm-flood-nexthop-components>****Usage**

```
<cfm-flood-interface-information>
  <cfm-flood-maintenance-domain-level>
    <cfm-flood-nexthop-components>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-type>
        cfm-interface-type
      </cfm-interface-type>
      <cfm-interface-nexthop-type>
        cfm-interface-nexthop-type
      </cfm-interface-nexthop-type>
      <cfm-interface-nexthop-index>
        cfm-interface-nexthop-index
      </cfm-interface-nexthop-index>
    </cfm-flood-nexthop-components>
  </cfm-flood-maintenance-domain-level>
</cfm-flood-interface-information>
```

**Description****<cfm-flood-nexthop-components>****Usage**

```
<cfm-route-maintenance-domain-level>
  <cfm-flood-nexthop-components>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-type>
      cfm-interface-type
    </cfm-interface-type>
    <cfm-interface-nexthop-type>
      cfm-interface-nexthop-type
    </cfm-interface-nexthop-type>
    <cfm-interface-nexthop-index>
      cfm-interface-nexthop-index
    </cfm-interface-nexthop-index>
  </cfm-flood-nexthop-components>
</cfm-route-maintenance-domain-level>
```

**Description****<cfm-flood-nexthop-components>****Usage**

```
<cfm-transmit-interface-information>
  <cfm-route-maintenance-domain-level>
    <cfm-flood-nexthop-components>
```



```

<cfm-interface-name>
  cfm-interface-name
</cfm-interface-name>
<cfm-interface-type>
  cfm-interface-type
</cfm-interface-type>
<cfm-interface-nexthop-type>
  cfm-interface-nexthop-type
</cfm-interface-nexthop-type>
<cfm-interface-nexthop-index>
  cfm-interface-nexthop-index
</cfm-interface-nexthop-index>
</cfm-flood-nexthop-components>
</cfm-route-maintenance-domain-level>
</cfm-transmit-interface-information>

```

### Description

## <cfm-flood-nexthop-components>

### Usage

```

<cfm-filter-term>
  <cfm-flood-nexthop-components>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-type>
      cfm-interface-type
    </cfm-interface-type>
    <cfm-interface-nexthop-type>
      cfm-interface-nexthop-type
    </cfm-interface-nexthop-type>
    <cfm-interface-nexthop-index>
      cfm-interface-nexthop-index
    </cfm-interface-nexthop-index>
  </cfm-flood-nexthop-components>
</cfm-filter-term>

```

### Description

## <cfm-flood-nexthop-components>

### Usage

```

<cfm-firewall-filter-instance-information>
  <cfm-filter-term>
    <cfm-flood-nexthop-components>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-type>
        cfm-interface-type
      </cfm-interface-type>
      <cfm-interface-nexthop-type>
        cfm-interface-nexthop-type

```

```
</cfm-interface-nexthop-type>
<cfm-interface-nexthop-index>
  cfm-interface-nexthop-index
</cfm-interface-nexthop-index>
</cfm-flood-nexthop-components>
</cfm-filter-term>
</cfm-firewall-filter-instance-information>
```

#### Description

### <cfm-flood-nexthop-components>

#### Usage

```
<cfm-firewall-filter-interface-information>
<cfm-filter-term>
  <cfm-flood-nexthop-components>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-type>
      cfm-interface-type
    </cfm-interface-type>
    <cfm-interface-nexthop-type>
      cfm-interface-nexthop-type
    </cfm-interface-nexthop-type>
    <cfm-interface-nexthop-index>
      cfm-interface-nexthop-index
    </cfm-interface-nexthop-index>
  </cfm-flood-nexthop-components>
</cfm-filter-term>
</cfm-firewall-filter-interface-information>
```

#### Description

### <cfm-flood-nexthop-components>

#### Usage

```
<cfm-nexthop-information>
  <cfm-flood-nexthop-components>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-type>
      cfm-interface-type
    </cfm-interface-type>
    <cfm-interface-nexthop-type>
      cfm-interface-nexthop-type
    </cfm-interface-nexthop-type>
    <cfm-interface-nexthop-index>
      cfm-interface-nexthop-index
    </cfm-interface-nexthop-index>
  </cfm-flood-nexthop-components>
</cfm-nexthop-information>
```

**Description****<cfm-flood-nexthop-components>****Usage**

```
<cfm-route-information>
  <cfm-flood-nexthop-components>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-type>
      cfm-interface-type
    </cfm-interface-type>
    <cfm-interface-nexthop-type>
      cfm-interface-nexthop-type
    </cfm-interface-nexthop-type>
    <cfm-interface-nexthop-index>
      cfm-interface-nexthop-index
    </cfm-interface-nexthop-index>
  </cfm-flood-nexthop-components>
</cfm-route-information>
```

**Description****<cfm-instance-mip-information>****Usage**

```
<cfm-instance-mip-information>
  <cfm-instance-name>
    cfm-instance-name
  </cfm-instance-name>
  <cfm-maintenance-domain-mhf>
    cfm-maintenance-domain-mhf
  </cfm-maintenance-domain-mhf>
  <cfm-maintenance-association-mhf>
    cfm-maintenance-association-mhf
  </cfm-maintenance-association-mhf>
  <cfm-default-maintenance-domain-mhf>
    cfm-default-maintenance-domain-mhf
  </cfm-default-maintenance-domain-mhf>
  <cfm-interface-mip-information>....</cfm-interface-mip-information>
</cfm-instance-mip-information>
```

**Description****<cfm-instance-mip-information>****Usage**

```
<cfm-mip-information>
  <cfm-instance-mip-information>
    <cfm-instance-name>
      cfm-instance-name
    </cfm-instance-name>
    <cfm-maintenance-domain-mhf>
```

```
    cfm-maintenance-domain-mhf
  </cfm-maintenance-domain-mhf>
  <cfm-maintenance-association-mhf>
    cfm-maintenance-association-mhf
  </cfm-maintenance-association-mhf>
  <cfm-default-maintenance-domain-mhf>
    cfm-default-maintenance-domain-mhf
  </cfm-default-maintenance-domain-mhf>
  <cfm-interface-mip-information>....</cfm-interface-mip-information>
</cfm-instance-mip-information>
</cfm-mip-information>
```

**Description****<cfm-interface>****Usage**

```
<cfm-interface>
  <cfm-interface-snapshot>....</cfm-interface-snapshot>
  <cfm-entry>....</cfm-entry>
</cfm-interface>
```

**Description** Information about connectivity fault management for one or more interfaces

**<cfm-interface-continuity-check>****Usage**

```
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-continuity-check>
        <cfm-continuity-check-status>
          cfm-continuity-check-status
        </cfm-continuity-check-status>
        <cfm-continuity-check-interval>
          cfm-continuity-check-interval
        </cfm-continuity-check-interval>
        <cfm-continuity-check-loss-threshold>
          cfm-continuity-check-loss-threshold
        </cfm-continuity-check-loss-threshold>
      </cfm-interface-continuity-check>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
```

**Description****<cfm-interface-continuity-check>****Usage**

```
<cfm-interface>
  <cfm-entry>
```

```

<cfm-interface-sessions>
  <cfm-interface-session>
    <cfm-interface-continuity-check>
      <cfm-continuity-check-status>
        cfm-continuity-check-status
      </cfm-continuity-check-status>
      <cfm-continuity-check-interval>
        cfm-continuity-check-interval
      </cfm-continuity-check-interval>
      <cfm-continuity-check-loss-threshold>
        cfm-continuity-check-loss-threshold
      </cfm-continuity-check-loss-threshold>
    </cfm-interface-continuity-check>
  </cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-interface>

```

#### Description

### <cfm-interface-continuity-check>

#### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-continuity-check>
          <cfm-continuity-check-status>
            cfm-continuity-check-status
          </cfm-continuity-check-status>
          <cfm-continuity-check-interval>
            cfm-continuity-check-interval
          </cfm-continuity-check-interval>
          <cfm-continuity-check-loss-threshold>
            cfm-continuity-check-loss-threshold
          </cfm-continuity-check-loss-threshold>
        </cfm-interface-continuity-check>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-database>

```

#### Description

### <cfm-interface-continuity-check>

#### Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-continuity-check>
          <cfm-continuity-check-status>

```

```
    cfm-continuity-check-status
  </cfm-continuity-check-status>
  <cfm-continuity-check-interval>
    cfm-continuity-check-interval
  </cfm-continuity-check-interval>
  <cfm-continuity-check-loss-threshold>
    cfm-continuity-check-loss-threshold
  </cfm-continuity-check-loss-threshold>
</cfm-interface-continuity-check>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-statistics>
```

#### Description

### <cfm-interface-continuity-check>

#### Usage

```
<cfm-delay-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-continuity-check>
        <cfm-continuity-check-status>
          cfm-continuity-check-status
        </cfm-continuity-check-status>
        <cfm-continuity-check-interval>
          cfm-continuity-check-interval
        </cfm-continuity-check-interval>
        <cfm-continuity-check-loss-threshold>
          cfm-continuity-check-loss-threshold
        </cfm-continuity-check-loss-threshold>
      </cfm-interface-continuity-check>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
</cfm-delay-statistics>
```

#### Description

### <cfm-interface-continuity-check>

#### Usage

```
<cfm-loss-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-continuity-check>
        <cfm-continuity-check-status>
          cfm-continuity-check-status
        </cfm-continuity-check-status>
        <cfm-continuity-check-interval>
          cfm-continuity-check-interval

```

```

        </cfm-continuity-check-interval>
        <cfm-continuity-check-loss-threshold>
            cfm-continuity-check-loss-threshold
        </cfm-continuity-check-loss-threshold>
    </cfm-interface-continuity-check>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-loss-statistics>

```

## Description

### <cfm-interface-continuity-check>

#### Usage

```

<cfm-iterator-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-continuity-check>
        <cfm-continuity-check-status>
            cfm-continuity-check-status
        </cfm-continuity-check-status>
        <cfm-continuity-check-interval>
            cfm-continuity-check-interval
        </cfm-continuity-check-interval>
        <cfm-continuity-check-loss-threshold>
            cfm-continuity-check-loss-threshold
        </cfm-continuity-check-loss-threshold>
      </cfm-interface-continuity-check>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
</cfm-iterator-statistics>

```

## Description

### <cfm-interface-entry>

#### Usage

```

<cfm-entry>
  <cfm-interface-entry>
    <cfm-interface-name>
        cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-status>
        cfm-interface-status
    </cfm-interface-status>
    <cfm-interface-link-status>
        cfm-interface-link-status
    </cfm-interface-link-status>
  </cfm-interface-entry>
</cfm-entry>

```

**Description****<cfm-interface-entry>****Usage**

```
<cfm-interface>
  <cfm-entry>
    <cfm-interface-entry>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-status>
        cfm-interface-status
      </cfm-interface-status>
      <cfm-interface-link-status>
        cfm-interface-link-status
      </cfm-interface-link-status>
    </cfm-interface-entry>
  </cfm-entry>
</cfm-interface>
```

**Description****<cfm-interface-entry>****Usage**

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-entry>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-status>
        cfm-interface-status
      </cfm-interface-status>
      <cfm-interface-link-status>
        cfm-interface-link-status
      </cfm-interface-link-status>
    </cfm-interface-entry>
  </cfm-entry>
</cfm-mep-database>
```

**Description****<cfm-interface-entry>****Usage**

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-interface-entry>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-status>
```



```

        cfm-interface-status
      </cfm-interface-status>
    <cfm-interface-link-status>
      cfm-interface-link-status
    </cfm-interface-link-status>
  </cfm-interface-entry>
</cfm-entry>
</cfm-mep-statistics>

```

#### Description

### <cfm-interface-entry>

#### Usage

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-interface-entry>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-status>
        cfm-interface-status
      </cfm-interface-status>
      <cfm-interface-link-status>
        cfm-interface-link-status
      </cfm-interface-link-status>
    </cfm-interface-entry>
  </cfm-entry>
</cfm-delay-statistics>

```

#### Description

### <cfm-interface-entry>

#### Usage

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-interface-entry>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-status>
        cfm-interface-status
      </cfm-interface-status>
      <cfm-interface-link-status>
        cfm-interface-link-status
      </cfm-interface-link-status>
    </cfm-interface-entry>
  </cfm-entry>
</cfm-loss-statistics>

```

#### Description

## <cfm-interface-entry>

### Usage

```
<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-interface-entry>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-status>
        cfm-interface-status
      </cfm-interface-status>
      <cfm-interface-link-status>
        cfm-interface-link-status
      </cfm-interface-link-status>
    </cfm-interface-entry>
  </cfm-entry>
</cfm-iterator-statistics>
```

### Description

## <cfm-interface-local-mep-defects>

### Usage

```
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-local-mep-defects>
        <cfm-defect-remote-mep-no-ccm>
          cfm-defect-remote-mep-no-ccm
        </cfm-defect-remote-mep-no-ccm>
        <cfm-defect-error-ccm>
          cfm-defect-error-ccm
        </cfm-defect-error-ccm>
        <cfm-defect-cross-connect-ccm>
          cfm-defect-cross-connect-ccm
        </cfm-defect-cross-connect-ccm>
        <cfm-defect-rdi-in-some-mep>
          cfm-defect-rdi-in-some-mep
        </cfm-defect-rdi-in-some-mep>
        <cfm-defect-mac-status>
          cfm-defect-mac-status
        </cfm-defect-mac-status>
      </cfm-interface-local-mep-defects>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
```

### Description

## <cfm-interface-local-mep-defects>

### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-defects>
          <cfm-defect-remote-mep-no-ccm>
            cfm-defect-remote-mep-no-ccm
          </cfm-defect-remote-mep-no-ccm>
          <cfm-defect-error-ccm>
            cfm-defect-error-ccm
          </cfm-defect-error-ccm>
          <cfm-defect-cross-connect-ccm>
            cfm-defect-cross-connect-ccm
          </cfm-defect-cross-connect-ccm>
          <cfm-defect-rdi-in-some-mep>
            cfm-defect-rdi-in-some-mep
          </cfm-defect-rdi-in-some-mep>
          <cfm-defect-mac-status>
            cfm-defect-mac-status
          </cfm-defect-mac-status>
        </cfm-interface-local-mep-defects>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-interface>

```

### Description

## <cfm-interface-local-mep-defects>

### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-defects>
          <cfm-defect-remote-mep-no-ccm>
            cfm-defect-remote-mep-no-ccm
          </cfm-defect-remote-mep-no-ccm>
          <cfm-defect-error-ccm>
            cfm-defect-error-ccm
          </cfm-defect-error-ccm>
          <cfm-defect-cross-connect-ccm>
            cfm-defect-cross-connect-ccm
          </cfm-defect-cross-connect-ccm>
          <cfm-defect-rdi-in-some-mep>
            cfm-defect-rdi-in-some-mep
          </cfm-defect-rdi-in-some-mep>
          <cfm-defect-mac-status>
            cfm-defect-mac-status
          </cfm-defect-mac-status>
        </cfm-interface-local-mep-defects>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-database>

```

```
</cfm-interface-local-mep-defects>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-database>
```

#### Description

### <cfm-interface-local-mep-defects>

#### Usage

```
<cfm-mep-statistics>
<cfm-entry>
<cfm-interface-sessions>
<cfm-interface-session>
<cfm-interface-local-mep-defects>
<cfm-defect-remote-mep-no-ccm>
  cfm-defect-remote-mep-no-ccm
</cfm-defect-remote-mep-no-ccm>
<cfm-defect-error-ccm>
  cfm-defect-error-ccm
</cfm-defect-error-ccm>
<cfm-defect-cross-connect-ccm>
  cfm-defect-cross-connect-ccm
</cfm-defect-cross-connect-ccm>
<cfm-defect-rdi-in-some-mep>
  cfm-defect-rdi-in-some-mep
</cfm-defect-rdi-in-some-mep>
<cfm-defect-mac-status>
  cfm-defect-mac-status
</cfm-defect-mac-status>
</cfm-interface-local-mep-defects>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-statistics>
```

#### Description

### <cfm-interface-local-mep-defects>

#### Usage

```
<cfm-delay-statistics>
<cfm-entry>
<cfm-interface-sessions>
<cfm-interface-session>
<cfm-interface-local-mep-defects>
<cfm-defect-remote-mep-no-ccm>
  cfm-defect-remote-mep-no-ccm
</cfm-defect-remote-mep-no-ccm>
<cfm-defect-error-ccm>
  cfm-defect-error-ccm
</cfm-defect-error-ccm>
<cfm-defect-cross-connect-ccm>
```

```

    cfm-defect-cross-connect-ccm
  </cfm-defect-cross-connect-ccm>
  <cfm-defect-rdi-in-some-mep>
    cfm-defect-rdi-in-some-mep
  </cfm-defect-rdi-in-some-mep>
  <cfm-defect-mac-status>
    cfm-defect-mac-status
  </cfm-defect-mac-status>
</cfm-interface-local-mep-defects>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-delay-statistics>

```

### Description

#### <cfm-interface-local-mep-defects>

##### Usage

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-defects>
          <cfm-defect-remote-mep-no-ccm>
            cfm-defect-remote-mep-no-ccm
          </cfm-defect-remote-mep-no-ccm>
          <cfm-defect-error-ccm>
            cfm-defect-error-ccm
          </cfm-defect-error-ccm>
          <cfm-defect-cross-connect-ccm>
            cfm-defect-cross-connect-ccm
          </cfm-defect-cross-connect-ccm>
          <cfm-defect-rdi-in-some-mep>
            cfm-defect-rdi-in-some-mep
          </cfm-defect-rdi-in-some-mep>
          <cfm-defect-mac-status>
            cfm-defect-mac-status
          </cfm-defect-mac-status>
        </cfm-interface-local-mep-defects>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-loss-statistics>

```

### Description

#### <cfm-interface-local-mep-defects>

##### Usage

```

<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>

```

```
<cfm-interface-local-mep-defects>
  <cfm-defect-remote-mep-no-ccm>
    cfm-defect-remote-mep-no-ccm
  </cfm-defect-remote-mep-no-ccm>
  <cfm-defect-error-ccm>
    cfm-defect-error-ccm
  </cfm-defect-error-ccm>
  <cfm-defect-cross-connect-ccm>
    cfm-defect-cross-connect-ccm
  </cfm-defect-cross-connect-ccm>
  <cfm-defect-rdi-in-some-mep>
    cfm-defect-rdi-in-some-mep
  </cfm-defect-rdi-in-some-mep>
  <cfm-defect-mac-status>
    cfm-defect-mac-status
  </cfm-defect-mac-status>
</cfm-interface-local-mep-defects>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-iterator-statistics>
```

#### Description

### <cfm-interface-local-mep-info>

#### Usage

```
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-local-mep-info>
        <cfm-local-mep-identifier>
          cfm-local-mep-identifier
        </cfm-local-mep-identifier>
        <cfm-local-mep-direction>
          cfm-local-mep-direction
        </cfm-local-mep-direction>
        <cfm-local-mep-mac-address>
          cfm-local-mep-mac-address
        </cfm-local-mep-mac-address>
        <cfm-local-mep-status>
          cfm-local-mep-status
        </cfm-local-mep-status>
      </cfm-interface-local-mep-info>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
```

#### Description

### <cfm-interface-local-mep-info>

#### Usage

```
<cfm-interface>
```

```

<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-local-mep-info>
        <cfm-local-mep-identifier>
          cfm-local-mep-identifier
        </cfm-local-mep-identifier>
        <cfm-local-mep-direction>
          cfm-local-mep-direction
        </cfm-local-mep-direction>
        <cfm-local-mep-mac-address>
          cfm-local-mep-mac-address
        </cfm-local-mep-mac-address>
        <cfm-local-mep-status>
          cfm-local-mep-status
        </cfm-local-mep-status>
      </cfm-interface-local-mep-info>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
</cfm-interface>

```

## Description

### <cfm-interface-local-mep-info>

#### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-info>
          <cfm-local-mep-identifier>
            cfm-local-mep-identifier
          </cfm-local-mep-identifier>
          <cfm-local-mep-direction>
            cfm-local-mep-direction
          </cfm-local-mep-direction>
          <cfm-local-mep-mac-address>
            cfm-local-mep-mac-address
          </cfm-local-mep-mac-address>
          <cfm-local-mep-status>
            cfm-local-mep-status
          </cfm-local-mep-status>
        </cfm-interface-local-mep-info>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-database>

```

## Description

## <cfm-interface-local-mep-info>

### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-info>
          <cfm-local-mep-identifier>
            cfm-local-mep-identifier
          </cfm-local-mep-identifier>
          <cfm-local-mep-direction>
            cfm-local-mep-direction
          </cfm-local-mep-direction>
          <cfm-local-mep-mac-address>
            cfm-local-mep-mac-address
          </cfm-local-mep-mac-address>
          <cfm-local-mep-status>
            cfm-local-mep-status
          </cfm-local-mep-status>
        </cfm-interface-local-mep-info>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-statistics>
```

### Description

## <cfm-interface-local-mep-info>

### Usage

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-info>
          <cfm-local-mep-identifier>
            cfm-local-mep-identifier
          </cfm-local-mep-identifier>
          <cfm-local-mep-direction>
            cfm-local-mep-direction
          </cfm-local-mep-direction>
          <cfm-local-mep-mac-address>
            cfm-local-mep-mac-address
          </cfm-local-mep-mac-address>
          <cfm-local-mep-status>
            cfm-local-mep-status
          </cfm-local-mep-status>
        </cfm-interface-local-mep-info>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-delay-statistics>
```



## Description

## &lt;cfm-interface-local-mep-info&gt;

## Usage

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-info>
          <cfm-local-mep-identifier>
            cfm-local-mep-identifier
          </cfm-local-mep-identifier>
          <cfm-local-mep-direction>
            cfm-local-mep-direction
          </cfm-local-mep-direction>
          <cfm-local-mep-mac-address>
            cfm-local-mep-mac-address
          </cfm-local-mep-mac-address>
          <cfm-local-mep-status>
            cfm-local-mep-status
          </cfm-local-mep-status>
        </cfm-interface-local-mep-info>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-loss-statistics>

```

## Description

## &lt;cfm-interface-local-mep-info&gt;

## Usage

```

<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-info>
          <cfm-local-mep-identifier>
            cfm-local-mep-identifier
          </cfm-local-mep-identifier>
          <cfm-local-mep-direction>
            cfm-local-mep-direction
          </cfm-local-mep-direction>
          <cfm-local-mep-mac-address>
            cfm-local-mep-mac-address
          </cfm-local-mep-mac-address>
          <cfm-local-mep-status>
            cfm-local-mep-status
          </cfm-local-mep-status>
        </cfm-interface-local-mep-info>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>

```

</cfm-iterator-statistics>

## Description

### <cfm-interface-local-mep-statistics>

#### Usage

```
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-local-mep-statistics>
        <cfm-total-ccm-sent>
          cfm-total-ccm-sent
        </cfm-total-ccm-sent>
        <cfm-out-of-sequence-ccm-received>
          cfm-out-of-sequence-ccm-received
        </cfm-out-of-sequence-ccm-received>
        <cfm-lbm-sent>
          cfm-lbm-sent
        </cfm-lbm-sent>
        <cfm-lbr-sent>
          cfm-lbr-sent
        </cfm-lbr-sent>
        <cfm-lbr-received>
          cfm-lbr-received
        </cfm-lbr-received>
        <cfm-lbr-received-out-of-order>
          cfm-lbr-received-out-of-order
        </cfm-lbr-received-out-of-order>
        <cfm-lbr-bad-msdu>
          cfm-lbr-bad-msdu
        </cfm-lbr-bad-msdu>
        <cfm-total-ltm-sent>
          cfm-total-ltm-sent
        </cfm-total-ltm-sent>
        <cfm-total-ltm-received>
          cfm-total-ltm-received
        </cfm-total-ltm-received>
        <cfm-total-ltr-sent>
          cfm-total-ltr-sent
        </cfm-total-ltr-sent>
        <cfm-total-ltr-received>
          cfm-total-ltr-received
        </cfm-total-ltr-received>
        <cfm-next-ltm-sequence-number>
          cfm-next-ltm-sequence-number
        </cfm-next-ltm-sequence-number>
        <cfm-onedm-sent>
          cfm-onedm-sent
        </cfm-onedm-sent>
        <cfm-onedm-received>
          cfm-onedm-received
        </cfm-onedm-received>
        <cfm-onedm-received-invalid>
          cfm-onedm-received-invalid
```

```

</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
<cfm-lmm-sent>
  cfm-lmm-sent
</cfm-lmm-sent>
<cfm-lmm-received>
  cfm-lmm-received
</cfm-lmm-received>
<cfm-lmm-received-invalid>
  cfm-lmm-received-invalid
</cfm-lmm-received-invalid>
<cfm-lmr-sent>
  cfm-lmr-sent
</cfm-lmr-sent>
<cfm-lmr-received>
  cfm-lmr-received
</cfm-lmr-received>
<cfm-lmr-received-invalid>
  cfm-lmr-received-invalid
</cfm-lmr-received-invalid>
</cfm-interface-local-mep-statistics>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>

```

## Description

### <cfm-interface-local-mep-statistics>

#### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-statistics>

```

```
<cfm-total-ccm-sent>
  cfm-total-ccm-sent
</cfm-total-ccm-sent>
<cfm-out-of-sequence-ccm-received>
  cfm-out-of-sequence-ccm-received
</cfm-out-of-sequence-ccm-received>
<cfm-lbm-sent>
  cfm-lbm-sent
</cfm-lbm-sent>
<cfm-lbr-sent>
  cfm-lbr-sent
</cfm-lbr-sent>
<cfm-lbr-received>
  cfm-lbr-received
</cfm-lbr-received>
<cfm-lbr-received-out-of-order>
  cfm-lbr-received-out-of-order
</cfm-lbr-received-out-of-order>
<cfm-lbr-bad-msdu>
  cfm-lbr-bad-msdu
</cfm-lbr-bad-msdu>
<cfm-total-ltm-sent>
  cfm-total-ltm-sent
</cfm-total-ltm-sent>
<cfm-total-ltm-received>
  cfm-total-ltm-received
</cfm-total-ltm-received>
<cfm-total-ltr-sent>
  cfm-total-ltr-sent
</cfm-total-ltr-sent>
<cfm-total-ltr-received>
  cfm-total-ltr-received
</cfm-total-ltr-received>
<cfm-next-ltm-sequence-number>
  cfm-next-ltm-sequence-number
</cfm-next-ltm-sequence-number>
<cfm-onedm-sent>
  cfm-onedm-sent
</cfm-onedm-sent>
<cfm-onedm-received>
  cfm-onedm-received
</cfm-onedm-received>
<cfm-onedm-received-invalid>
  cfm-onedm-received-invalid
</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
```

```

</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
<cfm-lmm-sent>
  cfm-lmm-sent
</cfm-lmm-sent>
<cfm-lmm-received>
  cfm-lmm-received
</cfm-lmm-received>
<cfm-lmm-received-invalid>
  cfm-lmm-received-invalid
</cfm-lmm-received-invalid>
<cfm-lmr-sent>
  cfm-lmr-sent
</cfm-lmr-sent>
<cfm-lmr-received>
  cfm-lmr-received
</cfm-lmr-received>
<cfm-lmr-received-invalid>
  cfm-lmr-received-invalid
</cfm-lmr-received-invalid>
</cfm-interface-local-mep-statistics>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-interface>

```

## Description

### <cfm-interface-local-mep-statistics>

#### Usage

```

<cfm-mep-database>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-local-mep-statistics>
        <cfm-total-ccm-sent>
          cfm-total-ccm-sent
        </cfm-total-ccm-sent>
        <cfm-out-of-sequence-ccm-received>
          cfm-out-of-sequence-ccm-received
        </cfm-out-of-sequence-ccm-received>
        <cfm-lbm-sent>
          cfm-lbm-sent
        </cfm-lbm-sent>
        <cfm-lbr-sent>
          cfm-lbr-sent

```

```
</cfm-lbr-sent>
<cfm-lbr-received>
  cfm-lbr-received
</cfm-lbr-received>
<cfm-lbr-received-out-of-order>
  cfm-lbr-received-out-of-order
</cfm-lbr-received-out-of-order>
<cfm-lbr-bad-msdu>
  cfm-lbr-bad-msdu
</cfm-lbr-bad-msdu>
<cfm-total-ltm-sent>
  cfm-total-ltm-sent
</cfm-total-ltm-sent>
<cfm-total-ltm-received>
  cfm-total-ltm-received
</cfm-total-ltm-received>
<cfm-total-ltr-sent>
  cfm-total-ltr-sent
</cfm-total-ltr-sent>
<cfm-total-ltr-received>
  cfm-total-ltr-received
</cfm-total-ltr-received>
<cfm-next-ltm-sequence-number>
  cfm-next-ltm-sequence-number
</cfm-next-ltm-sequence-number>
<cfm-onedm-sent>
  cfm-onedm-sent
</cfm-onedm-sent>
<cfm-onedm-received>
  cfm-onedm-received
</cfm-onedm-received>
<cfm-onedm-received-invalid>
  cfm-onedm-received-invalid
</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
<cfm-lmm-sent>
```

```

    cfm-lmm-sent
  </cfm-lmm-sent>
  <cfm-lmm-received>
    cfm-lmm-received
  </cfm-lmm-received>
  <cfm-lmm-received-invalid>
    cfm-lmm-received-invalid
  </cfm-lmm-received-invalid>
  <cfm-lmr-sent>
    cfm-lmr-sent
  </cfm-lmr-sent>
  <cfm-lmr-received>
    cfm-lmr-received
  </cfm-lmr-received>
  <cfm-lmr-received-invalid>
    cfm-lmr-received-invalid
  </cfm-lmr-received-invalid>
  </cfm-interface-local-mep-statistics>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-database>

```

## Description

### <cfm-interface-local-mep-statistics>

#### Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-statistics>
          <cfm-total-ccm-sent>
            cfm-total-ccm-sent
          </cfm-total-ccm-sent>
          <cfm-out-of-sequence-ccm-received>
            cfm-out-of-sequence-ccm-received
          </cfm-out-of-sequence-ccm-received>
          <cfm-lbm-sent>
            cfm-lbm-sent
          </cfm-lbm-sent>
          <cfm-lbr-sent>
            cfm-lbr-sent
          </cfm-lbr-sent>
          <cfm-lbr-received>
            cfm-lbr-received
          </cfm-lbr-received>
          <cfm-lbr-received-out-of-order>
            cfm-lbr-received-out-of-order
          </cfm-lbr-received-out-of-order>
          <cfm-lbr-bad-msdu>
            cfm-lbr-bad-msdu
          </cfm-lbr-bad-msdu>
          <cfm-total-ltm-sent>

```

```
    cfm-total-ltm-sent
  </cfm-total-ltm-sent>
  <cfm-total-ltm-received>
    cfm-total-ltm-received
  </cfm-total-ltm-received>
  <cfm-total-ltr-sent>
    cfm-total-ltr-sent
  </cfm-total-ltr-sent>
  <cfm-total-ltr-received>
    cfm-total-ltr-received
  </cfm-total-ltr-received>
  <cfm-next-ltm-sequence-number>
    cfm-next-ltm-sequence-number
  </cfm-next-ltm-sequence-number>
  <cfm-onedm-sent>
    cfm-onedm-sent
  </cfm-onedm-sent>
  <cfm-onedm-received>
    cfm-onedm-received
  </cfm-onedm-received>
  <cfm-onedm-received-invalid>
    cfm-onedm-received-invalid
  </cfm-onedm-received-invalid>
  <cfm-onedm-received-outofsync>
    cfm-onedm-received-outofsync
  </cfm-onedm-received-outofsync>
  <cfm-dmm-sent>
    cfm-dmm-sent
  </cfm-dmm-sent>
  <cfm-dmm-received>
    cfm-dmm-received
  </cfm-dmm-received>
  <cfm-dmm-received-invalid>
    cfm-dmm-received-invalid
  </cfm-dmm-received-invalid>
  <cfm-dmr-sent>
    cfm-dmr-sent
  </cfm-dmr-sent>
  <cfm-dmr-received>
    cfm-dmr-received
  </cfm-dmr-received>
  <cfm-dmr-received-invalid>
    cfm-dmr-received-invalid
  </cfm-dmr-received-invalid>
  <cfm-lmm-sent>
    cfm-lmm-sent
  </cfm-lmm-sent>
  <cfm-lmm-received>
    cfm-lmm-received
  </cfm-lmm-received>
  <cfm-lmm-received-invalid>
    cfm-lmm-received-invalid
  </cfm-lmm-received-invalid>
  <cfm-lmr-sent>
    cfm-lmr-sent
  </cfm-lmr-sent>
```



```

    <cfm-lmr-received>
      cfm-lmr-received
    </cfm-lmr-received>
    <cfm-lmr-received-invalid>
      cfm-lmr-received-invalid
    </cfm-lmr-received-invalid>
  </cfm-interface-local-mep-statistics>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-statistics>

```

## Description

### <cfm-interface-local-mep-statistics>

#### Usage

```

<cfm-delay-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-local-mep-statistics>
        <cfm-total-ccm-sent>
          cfm-total-ccm-sent
        </cfm-total-ccm-sent>
        <cfm-out-of-sequence-ccm-received>
          cfm-out-of-sequence-ccm-received
        </cfm-out-of-sequence-ccm-received>
        <cfm-lbm-sent>
          cfm-lbm-sent
        </cfm-lbm-sent>
        <cfm-lbr-sent>
          cfm-lbr-sent
        </cfm-lbr-sent>
        <cfm-lbr-received>
          cfm-lbr-received
        </cfm-lbr-received>
        <cfm-lbr-received-out-of-order>
          cfm-lbr-received-out-of-order
        </cfm-lbr-received-out-of-order>
        <cfm-lbr-bad-msdu>
          cfm-lbr-bad-msdu
        </cfm-lbr-bad-msdu>
        <cfm-total-ltm-sent>
          cfm-total-ltm-sent
        </cfm-total-ltm-sent>
        <cfm-total-ltm-received>
          cfm-total-ltm-received
        </cfm-total-ltm-received>
        <cfm-total-ltr-sent>
          cfm-total-ltr-sent
        </cfm-total-ltr-sent>
        <cfm-total-ltr-received>
          cfm-total-ltr-received
        </cfm-total-ltr-received>
      
```

```
<cfm-next-ltm-sequence-number>
  cfm-next-ltm-sequence-number
</cfm-next-ltm-sequence-number>
<cfm-onedm-sent>
  cfm-onedm-sent
</cfm-onedm-sent>
<cfm-onedm-received>
  cfm-onedm-received
</cfm-onedm-received>
<cfm-onedm-received-invalid>
  cfm-onedm-received-invalid
</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
<cfm-lmm-sent>
  cfm-lmm-sent
</cfm-lmm-sent>
<cfm-lmm-received>
  cfm-lmm-received
</cfm-lmm-received>
<cfm-lmm-received-invalid>
  cfm-lmm-received-invalid
</cfm-lmm-received-invalid>
<cfm-lmr-sent>
  cfm-lmr-sent
</cfm-lmr-sent>
<cfm-lmr-received>
  cfm-lmr-received
</cfm-lmr-received>
<cfm-lmr-received-invalid>
  cfm-lmr-received-invalid
</cfm-lmr-received-invalid>
</cfm-interface-local-mep-statistics>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
```

```
</cfm-delay-statistics>
```

## Description

### <cfm-interface-local-mep-statistics>

#### Usage

```
<cfm-loss-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-statistics>
          <cfm-total-ccm-sent>
            cfm-total-ccm-sent
          </cfm-total-ccm-sent>
          <cfm-out-of-sequence-ccm-received>
            cfm-out-of-sequence-ccm-received
          </cfm-out-of-sequence-ccm-received>
          <cfm-lbm-sent>
            cfm-lbm-sent
          </cfm-lbm-sent>
          <cfm-lbr-sent>
            cfm-lbr-sent
          </cfm-lbr-sent>
          <cfm-lbr-received>
            cfm-lbr-received
          </cfm-lbr-received>
          <cfm-lbr-received-out-of-order>
            cfm-lbr-received-out-of-order
          </cfm-lbr-received-out-of-order>
          <cfm-lbr-bad-msdu>
            cfm-lbr-bad-msdu
          </cfm-lbr-bad-msdu>
          <cfm-total-ltm-sent>
            cfm-total-ltm-sent
          </cfm-total-ltm-sent>
          <cfm-total-ltm-received>
            cfm-total-ltm-received
          </cfm-total-ltm-received>
          <cfm-total-ltr-sent>
            cfm-total-ltr-sent
          </cfm-total-ltr-sent>
          <cfm-total-ltr-received>
            cfm-total-ltr-received
          </cfm-total-ltr-received>
          <cfm-next-ltm-sequence-number>
            cfm-next-ltm-sequence-number
          </cfm-next-ltm-sequence-number>
          <cfm-onedm-sent>
            cfm-onedm-sent
          </cfm-onedm-sent>
          <cfm-onedm-received>
            cfm-onedm-received
          </cfm-onedm-received>
          <cfm-onedm-received-invalid>
```

```
    cfm-onedm-received-invalid
  </cfm-onedm-received-invalid>
  <cfm-onedm-received-outofsync>
    cfm-onedm-received-outofsync
  </cfm-onedm-received-outofsync>
  <cfm-dmm-sent>
    cfm-dmm-sent
  </cfm-dmm-sent>
  <cfm-dmm-received>
    cfm-dmm-received
  </cfm-dmm-received>
  <cfm-dmm-received-invalid>
    cfm-dmm-received-invalid
  </cfm-dmm-received-invalid>
  <cfm-dmr-sent>
    cfm-dmr-sent
  </cfm-dmr-sent>
  <cfm-dmr-received>
    cfm-dmr-received
  </cfm-dmr-received>
  <cfm-dmr-received-invalid>
    cfm-dmr-received-invalid
  </cfm-dmr-received-invalid>
  <cfm-lmm-sent>
    cfm-lmm-sent
  </cfm-lmm-sent>
  <cfm-lmm-received>
    cfm-lmm-received
  </cfm-lmm-received>
  <cfm-lmm-received-invalid>
    cfm-lmm-received-invalid
  </cfm-lmm-received-invalid>
  <cfm-lmr-sent>
    cfm-lmr-sent
  </cfm-lmr-sent>
  <cfm-lmr-received>
    cfm-lmr-received
  </cfm-lmr-received>
  <cfm-lmr-received-invalid>
    cfm-lmr-received-invalid
  </cfm-lmr-received-invalid>
</cfm-interface-local-mep-statistics>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-loss-statistics>
```

## Description

### <cfm-interface-local-mep-statistics>

#### Usage

```
<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
```

```
<cfm-interface-session>
  <cfm-interface-local-mep-statistics>
    <cfm-total-ccm-sent>
      cfm-total-ccm-sent
    </cfm-total-ccm-sent>
    <cfm-out-of-sequence-ccm-received>
      cfm-out-of-sequence-ccm-received
    </cfm-out-of-sequence-ccm-received>
    <cfm-lbm-sent>
      cfm-lbm-sent
    </cfm-lbm-sent>
    <cfm-lbr-sent>
      cfm-lbr-sent
    </cfm-lbr-sent>
    <cfm-lbr-received>
      cfm-lbr-received
    </cfm-lbr-received>
    <cfm-lbr-received-out-of-order>
      cfm-lbr-received-out-of-order
    </cfm-lbr-received-out-of-order>
    <cfm-lbr-bad-msdu>
      cfm-lbr-bad-msdu
    </cfm-lbr-bad-msdu>
    <cfm-total-ltm-sent>
      cfm-total-ltm-sent
    </cfm-total-ltm-sent>
    <cfm-total-ltm-received>
      cfm-total-ltm-received
    </cfm-total-ltm-received>
    <cfm-total-ltr-sent>
      cfm-total-ltr-sent
    </cfm-total-ltr-sent>
    <cfm-total-ltr-received>
      cfm-total-ltr-received
    </cfm-total-ltr-received>
    <cfm-next-ltm-sequence-number>
      cfm-next-ltm-sequence-number
    </cfm-next-ltm-sequence-number>
    <cfm-onedm-sent>
      cfm-onedm-sent
    </cfm-onedm-sent>
    <cfm-onedm-received>
      cfm-onedm-received
    </cfm-onedm-received>
    <cfm-onedm-received-invalid>
      cfm-onedm-received-invalid
    </cfm-onedm-received-invalid>
    <cfm-onedm-received-outofsync>
      cfm-onedm-received-outofsync
    </cfm-onedm-received-outofsync>
    <cfm-dmm-sent>
      cfm-dmm-sent
    </cfm-dmm-sent>
    <cfm-dmm-received>
      cfm-dmm-received
    </cfm-dmm-received>
```

```
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
<cfm-lmm-sent>
  cfm-lmm-sent
</cfm-lmm-sent>
<cfm-lmm-received>
  cfm-lmm-received
</cfm-lmm-received>
<cfm-lmm-received-invalid>
  cfm-lmm-received-invalid
</cfm-lmm-received-invalid>
<cfm-lmr-sent>
  cfm-lmr-sent
</cfm-lmr-sent>
<cfm-lmr-received>
  cfm-lmr-received
</cfm-lmr-received>
<cfm-lmr-received-invalid>
  cfm-lmr-received-invalid
</cfm-lmr-received-invalid>
</cfm-interface-local-mep-statistics>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-iterator-statistics>
```

## Description

### <cfm-interface-local-mep-tlv-info>

#### Usage

```
<cfm-entry>
<cfm-interface-sessions>
  <cfm-interface-session>
    <cfm-interface-local-mep-tlv-info>
      <cfm-local-mep-interface-status-tlv>
        cfm-local-mep-interface-status-tlv
      </cfm-local-mep-interface-status-tlv>
      <cfm-local-mep-port-status-tlv>
        cfm-local-mep-port-status-tlv
      </cfm-local-mep-port-status-tlv>

      <cfm-local-mep-connection-protection-tlv>....</cfm-local-mep-connection-protection-tlv>

      <cfm-local-mep-loss-threshold-tlv>....</cfm-local-mep-loss-threshold-tlv>
```

```

    </cfm-interface-local-mep-tlv-info>
  </cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>

```

## Description

### <cfm-interface-local-mep-tlv-info>

#### Usage

```

<cfm-interface>
<cfm-entry>
<cfm-interface-sessions>
<cfm-interface-session>
  <cfm-interface-local-mep-tlv-info>
    <cfm-local-mep-interface-status-tlv>
      cfm-local-mep-interface-status-tlv
    </cfm-local-mep-interface-status-tlv>
    <cfm-local-mep-port-status-tlv>
      cfm-local-mep-port-status-tlv
    </cfm-local-mep-port-status-tlv>

    <cfm-local-mep-connection-protection-tlv>....</cfm-local-mep-connection-protection-tlv>

    <cfm-local-mep-loss-threshold-tlv>....</cfm-local-mep-loss-threshold-tlv>

  </cfm-interface-local-mep-tlv-info>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-interface>

```

## Description

### <cfm-interface-local-mep-tlv-info>

#### Usage

```

<cfm-mep-database>
<cfm-entry>
<cfm-interface-sessions>
<cfm-interface-session>
  <cfm-interface-local-mep-tlv-info>
    <cfm-local-mep-interface-status-tlv>
      cfm-local-mep-interface-status-tlv
    </cfm-local-mep-interface-status-tlv>
    <cfm-local-mep-port-status-tlv>
      cfm-local-mep-port-status-tlv
    </cfm-local-mep-port-status-tlv>

    <cfm-local-mep-connection-protection-tlv>....</cfm-local-mep-connection-protection-tlv>

    <cfm-local-mep-loss-threshold-tlv>....</cfm-local-mep-loss-threshold-tlv>

```

```
</cfm-interface-local-mep-tlv-info>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-database>
```

## Description

### <cfm-interface-local-mep-tlv-info>

#### Usage

```
<cfm-mep-statistics>
<cfm-entry>
<cfm-interface-sessions>
<cfm-interface-session>
  <cfm-interface-local-mep-tlv-info>
    <cfm-local-mep-interface-status-tlv>
      cfm-local-mep-interface-status-tlv
    </cfm-local-mep-interface-status-tlv>
    <cfm-local-mep-port-status-tlv>
      cfm-local-mep-port-status-tlv
    </cfm-local-mep-port-status-tlv>

    <cfm-local-mep-connection-protection-tlv>....</cfm-local-mep-connection-protection-tlv>

    <cfm-local-mep-loss-threshold-tlv>....</cfm-local-mep-loss-threshold-tlv>

  </cfm-interface-local-mep-tlv-info>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-statistics>
```

## Description

### <cfm-interface-local-mep-tlv-info>

#### Usage

```
<cfm-delay-statistics>
<cfm-entry>
<cfm-interface-sessions>
<cfm-interface-session>
  <cfm-interface-local-mep-tlv-info>
    <cfm-local-mep-interface-status-tlv>
      cfm-local-mep-interface-status-tlv
    </cfm-local-mep-interface-status-tlv>
    <cfm-local-mep-port-status-tlv>
      cfm-local-mep-port-status-tlv
    </cfm-local-mep-port-status-tlv>

    <cfm-local-mep-connection-protection-tlv>....</cfm-local-mep-connection-protection-tlv>

    <cfm-local-mep-loss-threshold-tlv>....</cfm-local-mep-loss-threshold-tlv>
```



```

        </cfm-interface-local-mep-tlv-info>
    </cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-delay-statistics>

```

## Description

### <cfm-interface-local-mep-tlv-info>

#### Usage

```

    <cfm-loss-statistics>
    <cfm-entry>
    <cfm-interface-sessions>
    <cfm-interface-session>
        <cfm-interface-local-mep-tlv-info>
            <cfm-local-mep-interface-status-tlv>
                cfm-local-mep-interface-status-tlv
            </cfm-local-mep-interface-status-tlv>
            <cfm-local-mep-port-status-tlv>
                cfm-local-mep-port-status-tlv
            </cfm-local-mep-port-status-tlv>

            <cfm-local-mep-connection-protection-tlv>....</cfm-local-mep-connection-protection-tlv>

            <cfm-local-mep-loss-threshold-tlv>....</cfm-local-mep-loss-threshold-tlv>

        </cfm-interface-local-mep-tlv-info>
    </cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-loss-statistics>

```

## Description

### <cfm-interface-local-mep-tlv-info>

#### Usage

```

    <cfm-iterator-statistics>
    <cfm-entry>
    <cfm-interface-sessions>
    <cfm-interface-session>
        <cfm-interface-local-mep-tlv-info>
            <cfm-local-mep-interface-status-tlv>
                cfm-local-mep-interface-status-tlv
            </cfm-local-mep-interface-status-tlv>
            <cfm-local-mep-port-status-tlv>
                cfm-local-mep-port-status-tlv
            </cfm-local-mep-port-status-tlv>

            <cfm-local-mep-connection-protection-tlv>....</cfm-local-mep-connection-protection-tlv>

            <cfm-local-mep-loss-threshold-tlv>....</cfm-local-mep-loss-threshold-tlv>

```

```
</cfm-interface-local-mep-tlv-info>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-iterator-statistics>
```

#### Description

### <cfm-interface-mip-information>

#### Usage

```
<cfm-interface-mip-information>
  <cfm-interface-name>
    cfm-interface-name
  </cfm-interface-name>
  <cfm-level>
    cfm-level
  </cfm-level>
</cfm-interface-mip-information>
```

#### Description

### <cfm-interface-mip-information>

#### Usage

```
<cfm-instance-mip-information>
  <cfm-interface-mip-information>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-level>
      cfm-level
    </cfm-level>
  </cfm-interface-mip-information>
</cfm-instance-mip-information>
```

#### Description

### <cfm-interface-mip-information>

#### Usage

```
<cfm-mip-information>
  <cfm-instance-mip-information>
    <cfm-interface-mip-information>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-level>
        cfm-level
      </cfm-level>
    </cfm-interface-mip-information>
  </cfm-instance-mip-information>
```

</cfm-mip-information>

#### Description

### <cfm-interface-remote-meps>

#### Usage

```
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-remote-meps>
        <cfm-remote-mep-count>
          cfm-remote-mep-count
        </cfm-remote-mep-count>
        <cfm-remote-mep>....</cfm-remote-mep>
      </cfm-interface-remote-meps>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
```

#### Description

### <cfm-interface-remote-meps>

#### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-remote-meps>
          <cfm-remote-mep-count>
            cfm-remote-mep-count
          </cfm-remote-mep-count>
          <cfm-remote-mep>....</cfm-remote-mep>
        </cfm-interface-remote-meps>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-interface>
```

#### Description

### <cfm-interface-remote-meps>

#### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-remote-meps>
          <cfm-remote-mep-count>
            cfm-remote-mep-count
          </cfm-remote-mep-count>
        </cfm-interface-remote-meps>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-database>
```

```
<cfm-remote-mep>....</cfm-remote-mep>
</cfm-interface-remote-meps>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-database>
```

#### Description

### <cfm-interface-remote-meps>

#### Usage

```
<cfm-mep-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-remote-meps>
        <cfm-remote-mep-count>
          cfm-remote-mep-count
        </cfm-remote-mep-count>
        <cfm-remote-mep>....</cfm-remote-mep>
      </cfm-interface-remote-meps>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
</cfm-mep-statistics>
```

#### Description

### <cfm-interface-remote-meps>

#### Usage

```
<cfm-delay-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-remote-meps>
        <cfm-remote-mep-count>
          cfm-remote-mep-count
        </cfm-remote-mep-count>
        <cfm-remote-mep>....</cfm-remote-mep>
      </cfm-interface-remote-meps>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
</cfm-delay-statistics>
```

#### Description

### <cfm-interface-remote-meps>

#### Usage

```
<cfm-loss-statistics>
```

```

<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-remote-meps>
        <cfm-remote-mep-count>
          cfm-remote-mep-count
        </cfm-remote-mep-count>
        <cfm-remote-mep>....</cfm-remote-mep>
      </cfm-interface-remote-meps>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
</cfm-loss-statistics>

```

### Description

#### <cfm-interface-remote-meps>

##### Usage

```

<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-remote-meps>
          <cfm-remote-mep-count>
            cfm-remote-mep-count
          </cfm-remote-mep-count>
          <cfm-remote-mep>....</cfm-remote-mep>
        </cfm-interface-remote-meps>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-iterator-statistics>

```

### Description

#### <cfm-interface-session>

##### Usage

```

<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-session-identifier>....</cfm-interface-session-identifier>
      <cfm-interface-continuity-check>....</cfm-interface-continuity-check>
      <cfm-interface-local-mep-tlv-info>....</cfm-interface-local-mep-tlv-info>
      <cfm-interface-local-mep-info>....</cfm-interface-local-mep-info>
      <cfm-interface-local-mep-defects>....</cfm-interface-local-mep-defects>
      <cfm-interface-local-mep-statistics>....</cfm-interface-local-mep-statistics>

      <cfm-interface-remote-meps>....</cfm-interface-remote-meps>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>

```

### Description

#### <cfm-interface-session>

##### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-session-identifier>....</cfm-interface-session-identifier>
        <cfm-interface-continuity-check>....</cfm-interface-continuity-check>
        <cfm-interface-local-mep-tlv-info>....</cfm-interface-local-mep-tlv-info>
        <cfm-interface-local-mep-info>....</cfm-interface-local-mep-info>
        <cfm-interface-local-mep-defects>....</cfm-interface-local-mep-defects>
        <cfm-interface-local-mep-statistics>....</cfm-interface-local-mep-statistics>

        <cfm-interface-remote-meps>....</cfm-interface-remote-meps>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-interface>
```

### Description

#### <cfm-interface-session>

##### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-session-identifier>....</cfm-interface-session-identifier>
        <cfm-interface-continuity-check>....</cfm-interface-continuity-check>
        <cfm-interface-local-mep-tlv-info>....</cfm-interface-local-mep-tlv-info>
        <cfm-interface-local-mep-info>....</cfm-interface-local-mep-info>
        <cfm-interface-local-mep-defects>....</cfm-interface-local-mep-defects>
        <cfm-interface-local-mep-statistics>....</cfm-interface-local-mep-statistics>

        <cfm-interface-remote-meps>....</cfm-interface-remote-meps>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-database>
```

### Description

#### <cfm-interface-session>

##### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-session-identifier>....</cfm-interface-session-identifier>
```

```

    <cfm-interface-continuity-check>....</cfm-interface-continuity-check>
    <cfm-interface-local-mep-tlv-info>....</cfm-interface-local-mep-tlv-info>
    <cfm-interface-local-mep-info>....</cfm-interface-local-mep-info>
    <cfm-interface-local-mep-defects>....</cfm-interface-local-mep-defects>
    <cfm-interface-local-mep-statistics>....</cfm-interface-local-mep-statistics>

    <cfm-interface-remote-meps>....</cfm-interface-remote-meps>
  </cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-statistics>

```

## Description

### <cfm-interface-session>

#### Usage

```

<cfm-delay-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-session-identifier>....</cfm-interface-session-identifier>
      <cfm-interface-continuity-check>....</cfm-interface-continuity-check>
      <cfm-interface-local-mep-tlv-info>....</cfm-interface-local-mep-tlv-info>
      <cfm-interface-local-mep-info>....</cfm-interface-local-mep-info>
      <cfm-interface-local-mep-defects>....</cfm-interface-local-mep-defects>
      <cfm-interface-local-mep-statistics>....</cfm-interface-local-mep-statistics>

      <cfm-interface-remote-meps>....</cfm-interface-remote-meps>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
</cfm-delay-statistics>

```

## Description

### <cfm-interface-session>

#### Usage

```

<cfm-loss-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-session-identifier>....</cfm-interface-session-identifier>
      <cfm-interface-continuity-check>....</cfm-interface-continuity-check>
      <cfm-interface-local-mep-tlv-info>....</cfm-interface-local-mep-tlv-info>
      <cfm-interface-local-mep-info>....</cfm-interface-local-mep-info>
      <cfm-interface-local-mep-defects>....</cfm-interface-local-mep-defects>
      <cfm-interface-local-mep-statistics>....</cfm-interface-local-mep-statistics>

      <cfm-interface-remote-meps>....</cfm-interface-remote-meps>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>

```

</cfm-loss-statistics>

#### Description

### <cfm-interface-session>

#### Usage

```
<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-session-identifier>....</cfm-interface-session-identifier>
        <cfm-interface-continuity-check>....</cfm-interface-continuity-check>
        <cfm-interface-local-mep-tlv-info>....</cfm-interface-local-mep-tlv-info>
        <cfm-interface-local-mep-info>....</cfm-interface-local-mep-info>
        <cfm-interface-local-mep-defects>....</cfm-interface-local-mep-defects>
        <cfm-interface-local-mep-statistics>....</cfm-interface-local-mep-statistics>

        <cfm-interface-remote-meps>....</cfm-interface-remote-meps>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-iterator-statistics>
```

#### Description

### <cfm-interface-session-identifier>

#### Usage

```
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-session-identifier>
        <cfm-level>
          cfm-level
        </cfm-level>
        <cfm-maintenance-domain-name>
          cfm-maintenance-domain-name
        </cfm-maintenance-domain-name>
        <cfm-maintenance-domain-name-format>
          cfm-maintenance-domain-name-format
        </cfm-maintenance-domain-name-format>
        <cfm-maintenance-association-name>
          cfm-maintenance-association-name
        </cfm-maintenance-association-name>
        <cfm-maintenance-association-name-format>
          cfm-maintenance-association-name-format
        </cfm-maintenance-association-name-format>
      </cfm-interface-session-identifier>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
```



## Description

## &lt;cfm-interface-session-identifier&gt;

## Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-session-identifier>
          <cfm-level>
            cfm-level
          </cfm-level>
          <cfm-maintenance-domain-name>
            cfm-maintenance-domain-name
          </cfm-maintenance-domain-name>
          <cfm-maintenance-domain-name-format>
            cfm-maintenance-domain-name-format
          </cfm-maintenance-domain-name-format>
          <cfm-maintenance-association-name>
            cfm-maintenance-association-name
          </cfm-maintenance-association-name>
          <cfm-maintenance-association-name-format>
            cfm-maintenance-association-name-format
          </cfm-maintenance-association-name-format>
        </cfm-interface-session-identifier>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-interface>

```

## Description

## &lt;cfm-interface-session-identifier&gt;

## Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-session-identifier>
          <cfm-level>
            cfm-level
          </cfm-level>
          <cfm-maintenance-domain-name>
            cfm-maintenance-domain-name
          </cfm-maintenance-domain-name>
          <cfm-maintenance-domain-name-format>
            cfm-maintenance-domain-name-format
          </cfm-maintenance-domain-name-format>
          <cfm-maintenance-association-name>
            cfm-maintenance-association-name
          </cfm-maintenance-association-name>
          <cfm-maintenance-association-name-format>
            cfm-maintenance-association-name-format

```

```
</cfm-maintenance-association-name-format>
</cfm-interface-session-identifier>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-database>
```

## Description

### <cfm-interface-session-identifier>

#### Usage

```
<cfm-mep-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-session-identifier>
        <cfm-level>
          cfm-level
        </cfm-level>
        <cfm-maintenance-domain-name>
          cfm-maintenance-domain-name
        </cfm-maintenance-domain-name>
        <cfm-maintenance-domain-name-format>
          cfm-maintenance-domain-name-format
        </cfm-maintenance-domain-name-format>
        <cfm-maintenance-association-name>
          cfm-maintenance-association-name
        </cfm-maintenance-association-name>
        <cfm-maintenance-association-name-format>
          cfm-maintenance-association-name-format
        </cfm-maintenance-association-name-format>
      </cfm-interface-session-identifier>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
</cfm-mep-statistics>
```

## Description

### <cfm-interface-session-identifier>

#### Usage

```
<cfm-delay-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-session-identifier>
        <cfm-level>
          cfm-level
        </cfm-level>
        <cfm-maintenance-domain-name>
          cfm-maintenance-domain-name
        </cfm-maintenance-domain-name>
      </cfm-interface-session-identifier>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
```

```

    <cfm-maintenance-domain-name-format>
      cfm-maintenance-domain-name-format
    </cfm-maintenance-domain-name-format>
    <cfm-maintenance-association-name>
      cfm-maintenance-association-name
    </cfm-maintenance-association-name>
    <cfm-maintenance-association-name-format>
      cfm-maintenance-association-name-format
    </cfm-maintenance-association-name-format>
  </cfm-interface-session-identifier>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-delay-statistics>

```

### Description

#### <cfm-interface-session-identifier>

##### Usage

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-session-identifier>
          <cfm-level>
            cfm-level
          </cfm-level>
          <cfm-maintenance-domain-name>
            cfm-maintenance-domain-name
          </cfm-maintenance-domain-name>
          <cfm-maintenance-domain-name-format>
            cfm-maintenance-domain-name-format
          </cfm-maintenance-domain-name-format>
          <cfm-maintenance-association-name>
            cfm-maintenance-association-name
          </cfm-maintenance-association-name>
          <cfm-maintenance-association-name-format>
            cfm-maintenance-association-name-format
          </cfm-maintenance-association-name-format>
        </cfm-interface-session-identifier>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-loss-statistics>

```

### Description

#### <cfm-interface-session-identifier>

##### Usage

```

<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-interface-sessions>

```

```
<cfm-interface-session>
  <cfm-interface-session-identifier>
    <cfm-level>
      cfm-level
    </cfm-level>
    <cfm-maintenance-domain-name>
      cfm-maintenance-domain-name
    </cfm-maintenance-domain-name>
    <cfm-maintenance-domain-name-format>
      cfm-maintenance-domain-name-format
    </cfm-maintenance-domain-name-format>
    <cfm-maintenance-association-name>
      cfm-maintenance-association-name
    </cfm-maintenance-association-name>
    <cfm-maintenance-association-name-format>
      cfm-maintenance-association-name-format
    </cfm-maintenance-association-name-format>
  </cfm-interface-session-identifier>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-iterator-statistics>
```

#### Description

### <cfm-interface-session-snapshot>

#### Usage

```
<cfm-interface-snapshot>
  <cfm-interface-session-snapshot>
    <cfm-level>
      cfm-level
    </cfm-level>
    <cfm-mep-identifier>
      cfm-mep-identifier
    </cfm-mep-identifier>
    <cfm-remote-mep-count>
      cfm-remote-mep-count
    </cfm-remote-mep-count>
  </cfm-interface-session-snapshot>
</cfm-interface-snapshot>
```

#### Description

### <cfm-interface-session-snapshot>

#### Usage

```
<cfm-interface>
  <cfm-interface-snapshot>
    <cfm-interface-session-snapshot>
      <cfm-level>
        cfm-level
      </cfm-level>
    <cfm-mep-identifier>
```

```

    cfm-mep-identifier
  </cfm-mep-identifier>
  <cfm-remote-mep-count>
    cfm-remote-mep-count
  </cfm-remote-mep-count>
</cfm-interface-session-snapshot>
</cfm-interface-snapshot>
</cfm-interface>

```

**Description****<cfm-interface-sessions>****Usage**

```

<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>....</cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>

```

**Description****<cfm-interface-sessions>****Usage**

```

<cfm-interface>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>....</cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-interface>

```

**Description****<cfm-interface-sessions>****Usage**

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>....</cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-database>

```

**Description****<cfm-interface-sessions>****Usage**

```

<cfm-mep-statistics>

```

```
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>....</cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
</cfm-mep-statistics>
```

#### Description

### <cfm-interface-sessions>

#### Usage

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>....</cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-delay-statistics>
```

#### Description

### <cfm-interface-sessions>

#### Usage

```
<cfm-loss-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>....</cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-loss-statistics>
```

#### Description

### <cfm-interface-sessions>

#### Usage

```
<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>....</cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-iterator-statistics>
```

#### Description

### <cfm-interface-snapshot>

#### Usage

```
<cfm-interface-snapshot>
```

```

<cfm-interface-name>
  cfm-interface-name
</cfm-interface-name>
<cfm-interface-link-status>
  cfm-interface-link-status
</cfm-interface-link-status>
<cfm-interface-status>
  cfm-interface-status
</cfm-interface-status>
<cfm-interface-session-snapshot>....</cfm-interface-session-snapshot>
</cfm-interface-snapshot>

```

#### Description

### <cfm-interface-snapshot>

#### Usage

```

<cfm-interface>
  <cfm-interface-snapshot>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-link-status>
      cfm-interface-link-status
    </cfm-interface-link-status>
    <cfm-interface-status>
      cfm-interface-status
    </cfm-interface-status>
    <cfm-interface-session-snapshot>....</cfm-interface-session-snapshot>
  </cfm-interface-snapshot>
</cfm-interface>

```

#### Description

### <cfm-iter-eth-sfl-entry>

#### Usage

```

<cfm-entry>
  <cfm-iter-eth-sfl-entry>
    <sfl-measurement-packets-sent>
      sfl-measurement-packets-sent
    </sfl-measurement-packets-sent>
    <sfl-measurement-packets-skipped-for-threshold-hit>
      sfl-measurement-packets-skipped-for-threshold-hit
    </sfl-measurement-packets-skipped-for-threshold-hit>
    <sfl-measurement-packets-skipped-for-threshold-hit-window>
      sfl-measurement-packets-skipped-for-threshold-hit-window
    </sfl-measurement-packets-skipped-for-threshold-hit-window>
    <sfl-measurement-packets-received>
      sfl-measurement-packets-received
    </sfl-measurement-packets-received>
    <sfl-measurement-packets-out-of-sequence>
      sfl-measurement-packets-out-of-sequence
    </sfl-measurement-packets-out-of-sequence>
  </cfm-iter-eth-sfl-entry>
</cfm-entry>

```

```
<sfl-measurement-packets-fc-mismatch>
  sfl-measurement-packets-fc-mismatch
</sfl-measurement-packets-fc-mismatch>
<sfl-measurement-cir-packets-sent>
  sfl-measurement-cir-packets-sent
</sfl-measurement-cir-packets-sent>
<sfl-measurement-eir-packets-sent>
  sfl-measurement-eir-packets-sent
</sfl-measurement-eir-packets-sent>
<sfl-measurement-cir-packets-received>
  sfl-measurement-cir-packets-received
</sfl-measurement-cir-packets-received>
<sfl-measurement-eir-packets-received>
  sfl-measurement-eir-packets-received
</sfl-measurement-eir-packets-received>
<sfl-measurement-cir-loss-count>
  sfl-measurement-cir-loss-count
</sfl-measurement-cir-loss-count>
<sfl-measurement-cir-loss-percent>
  sfl-measurement-cir-loss-percent
</sfl-measurement-cir-loss-percent>
<sfl-measurement-eir-loss-count>
  sfl-measurement-eir-loss-count
</sfl-measurement-eir-loss-count>
<sfl-measurement-eir-loss-percent>
  sfl-measurement-eir-loss-percent
</sfl-measurement-eir-loss-percent>
<sfl-measurement-loss-count>
  sfl-measurement-loss-count
</sfl-measurement-loss-count>
<sfl-measurement-loss-percent>
  sfl-measurement-loss-percent
</sfl-measurement-loss-percent>
</cfm-iter-eth-sfl-entry>
</cfm-entry>
```

## Description

### <cfm-iter-eth-sfl-entry>

#### Usage

```
<cfm-interface>
<cfm-entry>
  <cfm-iter-eth-sfl-entry>
    <sfl-measurement-packets-sent>
      sfl-measurement-packets-sent
    </sfl-measurement-packets-sent>
    <sfl-measurement-packets-skipped-for-threshold-hit>
      sfl-measurement-packets-skipped-for-threshold-hit
    </sfl-measurement-packets-skipped-for-threshold-hit>
    <sfl-measurement-packets-skipped-for-threshold-hit-window>
      sfl-measurement-packets-skipped-for-threshold-hit-window
    </sfl-measurement-packets-skipped-for-threshold-hit-window>
    <sfl-measurement-packets-received>
      sfl-measurement-packets-received
```



```

</sfl-measurement-packets-received>
<sfl-measurement-packets-out-of-sequence>
  sfl-measurement-packets-out-of-sequence
</sfl-measurement-packets-out-of-sequence>
<sfl-measurement-packets-fc-mismatch>
  sfl-measurement-packets-fc-mismatch
</sfl-measurement-packets-fc-mismatch>
<sfl-measurement-cir-packets-sent>
  sfl-measurement-cir-packets-sent
</sfl-measurement-cir-packets-sent>
<sfl-measurement-eir-packets-sent>
  sfl-measurement-eir-packets-sent
</sfl-measurement-eir-packets-sent>
<sfl-measurement-cir-packets-received>
  sfl-measurement-cir-packets-received
</sfl-measurement-cir-packets-received>
<sfl-measurement-eir-packets-received>
  sfl-measurement-eir-packets-received
</sfl-measurement-eir-packets-received>
<sfl-measurement-cir-loss-count>
  sfl-measurement-cir-loss-count
</sfl-measurement-cir-loss-count>
<sfl-measurement-cir-loss-percent>
  sfl-measurement-cir-loss-percent
</sfl-measurement-cir-loss-percent>
<sfl-measurement-eir-loss-count>
  sfl-measurement-eir-loss-count
</sfl-measurement-eir-loss-count>
<sfl-measurement-eir-loss-percent>
  sfl-measurement-eir-loss-percent
</sfl-measurement-eir-loss-percent>
<sfl-measurement-loss-count>
  sfl-measurement-loss-count
</sfl-measurement-loss-count>
<sfl-measurement-loss-percent>
  sfl-measurement-loss-percent
</sfl-measurement-loss-percent>
</cfm-iter-eth-sfl-entry>
</cfm-entry>
</cfm-interface>

```

## Description

### <cfm-iter-eth-sfl-entry>

#### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-iter-eth-sfl-entry>
      <sfl-measurement-packets-sent>
        sfl-measurement-packets-sent
      </sfl-measurement-packets-sent>
      <sfl-measurement-packets-skipped-for-threshold-hit>
        sfl-measurement-packets-skipped-for-threshold-hit
      </sfl-measurement-packets-skipped-for-threshold-hit>
    </cfm-iter-eth-sfl-entry>
  </cfm-entry>
</cfm-mep-database>

```

```
<sfl-measurement-packets-skipped-for-threshold-hit-window>
  sfl-measurement-packets-skipped-for-threshold-hit-window
</sfl-measurement-packets-skipped-for-threshold-hit-window>
<sfl-measurement-packets-received>
  sfl-measurement-packets-received
</sfl-measurement-packets-received>
<sfl-measurement-packets-out-of-sequence>
  sfl-measurement-packets-out-of-sequence
</sfl-measurement-packets-out-of-sequence>
<sfl-measurement-packets-fc-mismatch>
  sfl-measurement-packets-fc-mismatch
</sfl-measurement-packets-fc-mismatch>
<sfl-measurement-cir-packets-sent>
  sfl-measurement-cir-packets-sent
</sfl-measurement-cir-packets-sent>
<sfl-measurement-eir-packets-sent>
  sfl-measurement-eir-packets-sent
</sfl-measurement-eir-packets-sent>
<sfl-measurement-cir-packets-received>
  sfl-measurement-cir-packets-received
</sfl-measurement-cir-packets-received>
<sfl-measurement-eir-packets-received>
  sfl-measurement-eir-packets-received
</sfl-measurement-eir-packets-received>
<sfl-measurement-cir-loss-count>
  sfl-measurement-cir-loss-count
</sfl-measurement-cir-loss-count>
<sfl-measurement-cir-loss-percent>
  sfl-measurement-cir-loss-percent
</sfl-measurement-cir-loss-percent>
<sfl-measurement-eir-loss-count>
  sfl-measurement-eir-loss-count
</sfl-measurement-eir-loss-count>
<sfl-measurement-eir-loss-percent>
  sfl-measurement-eir-loss-percent
</sfl-measurement-eir-loss-percent>
<sfl-measurement-loss-count>
  sfl-measurement-loss-count
</sfl-measurement-loss-count>
<sfl-measurement-loss-percent>
  sfl-measurement-loss-percent
</sfl-measurement-loss-percent>
</cfm-iter-eth-sfl-entry>
</cfm-entry>
</cfm-mep-database>
```

#### Description

<cfm-iter-eth-sfl-entry>

#### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-iter-eth-sfl-entry>
      <sfl-measurement-packets-sent>
```

```

    sfl-measurement-packets-sent
  </sfl-measurement-packets-sent>
  <sfl-measurement-packets-skipped-for-threshold-hit>
    sfl-measurement-packets-skipped-for-threshold-hit
  </sfl-measurement-packets-skipped-for-threshold-hit>
  <sfl-measurement-packets-skipped-for-threshold-hit-window>
    sfl-measurement-packets-skipped-for-threshold-hit-window
  </sfl-measurement-packets-skipped-for-threshold-hit-window>
  <sfl-measurement-packets-received>
    sfl-measurement-packets-received
  </sfl-measurement-packets-received>
  <sfl-measurement-packets-out-of-sequence>
    sfl-measurement-packets-out-of-sequence
  </sfl-measurement-packets-out-of-sequence>
  <sfl-measurement-packets-fc-mismatch>
    sfl-measurement-packets-fc-mismatch
  </sfl-measurement-packets-fc-mismatch>
  <sfl-measurement-cir-packets-sent>
    sfl-measurement-cir-packets-sent
  </sfl-measurement-cir-packets-sent>
  <sfl-measurement-eir-packets-sent>
    sfl-measurement-eir-packets-sent
  </sfl-measurement-eir-packets-sent>
  <sfl-measurement-cir-packets-received>
    sfl-measurement-cir-packets-received
  </sfl-measurement-cir-packets-received>
  <sfl-measurement-eir-packets-received>
    sfl-measurement-eir-packets-received
  </sfl-measurement-eir-packets-received>
  <sfl-measurement-cir-loss-count>
    sfl-measurement-cir-loss-count
  </sfl-measurement-cir-loss-count>
  <sfl-measurement-cir-loss-percent>
    sfl-measurement-cir-loss-percent
  </sfl-measurement-cir-loss-percent>
  <sfl-measurement-eir-loss-count>
    sfl-measurement-eir-loss-count
  </sfl-measurement-eir-loss-count>
  <sfl-measurement-eir-loss-percent>
    sfl-measurement-eir-loss-percent
  </sfl-measurement-eir-loss-percent>
  <sfl-measurement-loss-count>
    sfl-measurement-loss-count
  </sfl-measurement-loss-count>
  <sfl-measurement-loss-percent>
    sfl-measurement-loss-percent
  </sfl-measurement-loss-percent>
</cfm-iter-eth-sfl-entry>
</cfm-entry>
</cfm-mep-statistics>

```

## Description

## <cfm-iter-eth-sfl-entry>

### Usage

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-iter-eth-sfl-entry>
      <sfl-measurement-packets-sent>
        sfl-measurement-packets-sent
      </sfl-measurement-packets-sent>
      <sfl-measurement-packets-skipped-for-threshold-hit>
        sfl-measurement-packets-skipped-for-threshold-hit
      </sfl-measurement-packets-skipped-for-threshold-hit>
      <sfl-measurement-packets-skipped-for-threshold-hit-window>
        sfl-measurement-packets-skipped-for-threshold-hit-window
      </sfl-measurement-packets-skipped-for-threshold-hit-window>
      <sfl-measurement-packets-received>
        sfl-measurement-packets-received
      </sfl-measurement-packets-received>
      <sfl-measurement-packets-out-of-sequence>
        sfl-measurement-packets-out-of-sequence
      </sfl-measurement-packets-out-of-sequence>
      <sfl-measurement-packets-fc-mismatch>
        sfl-measurement-packets-fc-mismatch
      </sfl-measurement-packets-fc-mismatch>
      <sfl-measurement-cir-packets-sent>
        sfl-measurement-cir-packets-sent
      </sfl-measurement-cir-packets-sent>
      <sfl-measurement-eir-packets-sent>
        sfl-measurement-eir-packets-sent
      </sfl-measurement-eir-packets-sent>
      <sfl-measurement-cir-packets-received>
        sfl-measurement-cir-packets-received
      </sfl-measurement-cir-packets-received>
      <sfl-measurement-eir-packets-received>
        sfl-measurement-eir-packets-received
      </sfl-measurement-eir-packets-received>
      <sfl-measurement-cir-loss-count>
        sfl-measurement-cir-loss-count
      </sfl-measurement-cir-loss-count>
      <sfl-measurement-cir-loss-percent>
        sfl-measurement-cir-loss-percent
      </sfl-measurement-cir-loss-percent>
      <sfl-measurement-eir-loss-count>
        sfl-measurement-eir-loss-count
      </sfl-measurement-eir-loss-count>
      <sfl-measurement-eir-loss-percent>
        sfl-measurement-eir-loss-percent
      </sfl-measurement-eir-loss-percent>
      <sfl-measurement-loss-count>
        sfl-measurement-loss-count
      </sfl-measurement-loss-count>
      <sfl-measurement-loss-percent>
        sfl-measurement-loss-percent
      </sfl-measurement-loss-percent>
    </cfm-iter-eth-sfl-entry>
  </cfm-entry>
</cfm-delay-statistics>
```

```

    </cfm-entry>
  </cfm-delay-statistics>

```

## Description

### <cfm-iter-eth-sfl-entry>

## Usage

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-iter-eth-sfl-entry>
      <sfl-measurement-packets-sent>
        sfl-measurement-packets-sent
      </sfl-measurement-packets-sent>
      <sfl-measurement-packets-skipped-for-threshold-hit>
        sfl-measurement-packets-skipped-for-threshold-hit
      </sfl-measurement-packets-skipped-for-threshold-hit>
      <sfl-measurement-packets-skipped-for-threshold-hit-window>
        sfl-measurement-packets-skipped-for-threshold-hit-window
      </sfl-measurement-packets-skipped-for-threshold-hit-window>
      <sfl-measurement-packets-received>
        sfl-measurement-packets-received
      </sfl-measurement-packets-received>
      <sfl-measurement-packets-out-of-sequence>
        sfl-measurement-packets-out-of-sequence
      </sfl-measurement-packets-out-of-sequence>
      <sfl-measurement-packets-fc-mismatch>
        sfl-measurement-packets-fc-mismatch
      </sfl-measurement-packets-fc-mismatch>
      <sfl-measurement-cir-packets-sent>
        sfl-measurement-cir-packets-sent
      </sfl-measurement-cir-packets-sent>
      <sfl-measurement-eir-packets-sent>
        sfl-measurement-eir-packets-sent
      </sfl-measurement-eir-packets-sent>
      <sfl-measurement-cir-packets-received>
        sfl-measurement-cir-packets-received
      </sfl-measurement-cir-packets-received>
      <sfl-measurement-eir-packets-received>
        sfl-measurement-eir-packets-received
      </sfl-measurement-eir-packets-received>
      <sfl-measurement-cir-loss-count>
        sfl-measurement-cir-loss-count
      </sfl-measurement-cir-loss-count>
      <sfl-measurement-cir-loss-percent>
        sfl-measurement-cir-loss-percent
      </sfl-measurement-cir-loss-percent>
      <sfl-measurement-eir-loss-count>
        sfl-measurement-eir-loss-count
      </sfl-measurement-eir-loss-count>
      <sfl-measurement-eir-loss-percent>
        sfl-measurement-eir-loss-percent
      </sfl-measurement-eir-loss-percent>
      <sfl-measurement-loss-count>
        sfl-measurement-loss-count

```

```
</sfl-measurement-loss-count>
<sfl-measurement-loss-percent>
  sfl-measurement-loss-percent
</sfl-measurement-loss-percent>
</cfm-iter-eth-sfl-entry>
</cfm-entry>
</cfm-loss-statistics>
```

## Description

### <cfm-iter-eth-sfl-entry>

#### Usage

```
<cfm-iterator-statistics>
<cfm-entry>
  <cfm-iter-eth-sfl-entry>
    <sfl-measurement-packets-sent>
      sfl-measurement-packets-sent
    </sfl-measurement-packets-sent>
    <sfl-measurement-packets-skipped-for-threshold-hit>
      sfl-measurement-packets-skipped-for-threshold-hit
    </sfl-measurement-packets-skipped-for-threshold-hit>
    <sfl-measurement-packets-skipped-for-threshold-hit-window>
      sfl-measurement-packets-skipped-for-threshold-hit-window
    </sfl-measurement-packets-skipped-for-threshold-hit-window>
    <sfl-measurement-packets-received>
      sfl-measurement-packets-received
    </sfl-measurement-packets-received>
    <sfl-measurement-packets-out-of-sequence>
      sfl-measurement-packets-out-of-sequence
    </sfl-measurement-packets-out-of-sequence>
    <sfl-measurement-packets-fc-mismatch>
      sfl-measurement-packets-fc-mismatch
    </sfl-measurement-packets-fc-mismatch>
    <sfl-measurement-cir-packets-sent>
      sfl-measurement-cir-packets-sent
    </sfl-measurement-cir-packets-sent>
    <sfl-measurement-eir-packets-sent>
      sfl-measurement-eir-packets-sent
    </sfl-measurement-eir-packets-sent>
    <sfl-measurement-cir-packets-received>
      sfl-measurement-cir-packets-received
    </sfl-measurement-cir-packets-received>
    <sfl-measurement-eir-packets-received>
      sfl-measurement-eir-packets-received
    </sfl-measurement-eir-packets-received>
    <sfl-measurement-cir-loss-count>
      sfl-measurement-cir-loss-count
    </sfl-measurement-cir-loss-count>
    <sfl-measurement-cir-loss-percent>
      sfl-measurement-cir-loss-percent
    </sfl-measurement-cir-loss-percent>
    <sfl-measurement-eir-loss-count>
      sfl-measurement-eir-loss-count
    </sfl-measurement-eir-loss-count>
```

```

    <sfl-measurement-eir-loss-percent>
      sfl-measurement-eir-loss-percent
    </sfl-measurement-eir-loss-percent>
    <sfl-measurement-loss-count>
      sfl-measurement-loss-count
    </sfl-measurement-loss-count>
    <sfl-measurement-loss-percent>
      sfl-measurement-loss-percent
    </sfl-measurement-loss-percent>
  </cfm-iter-eth-sfl-entry>
</cfm-entry>
</cfm-iterator-statistics>

```

## Description

### <cfm-iter-ethdm-entry>

#### Usage

```

<cfm-entry>
  <cfm-iter-ethdm-entry>
    <cfm-delay-weight>
      cfm-delay-weight
    </cfm-delay-weight>
    <cfm-delay-variation-weight>
      cfm-delay-variation-weight
    </cfm-delay-variation-weight>
    <cfm-dmm-sent>
      cfm-dmm-sent
    </cfm-dmm-sent>
    <cfm-dmm-skipped-for-threshold-hit>
      cfm-dmm-skipped-for-threshold-hit
    </cfm-dmm-skipped-for-threshold-hit>
    <cfm-dmm-skipped-for-threshold-hit-window>
      cfm-dmm-skipped-for-threshold-hit-window
    </cfm-dmm-skipped-for-threshold-hit-window>
    <cfm-dmr-received>
      cfm-dmr-received
    </cfm-dmr-received>
    <cfm-dmr-out-of-sequence>
      cfm-dmr-out-of-sequence
    </cfm-dmr-out-of-sequence>
    <cfm-dmr-fc-mismatch>
      cfm-dmr-fc-mismatch
    </cfm-dmr-fc-mismatch>
    <cfm-dmr-invalid-time-stamp>
      cfm-dmr-invalid-time-stamp
    </cfm-dmr-invalid-time-stamp>
    <cfm-average-twoway-delay>
      cfm-average-twoway-delay
    </cfm-average-twoway-delay>
    <cfm-average-twoway-delay-variation>
      cfm-average-twoway-delay-variation
    </cfm-average-twoway-delay-variation>
    <cfm-average-oneway-fwd-delay-variation>
      cfm-average-oneway-fwd-delay-variation

```

```
</cfm-average-oneway-fwd-delay-variation>
<cfm-average-oneway-bkwd-delay-variation>
  cfm-average-oneway-bkwd-delay-variation
</cfm-average-oneway-bkwd-delay-variation>
<cfm-weighted-average-twoway-delay>
  cfm-weighted-average-twoway-delay
</cfm-weighted-average-twoway-delay>
<cfm-weighted-average-twoway-delay-variation>
  cfm-weighted-average-twoway-delay-variation
</cfm-weighted-average-twoway-delay-variation>
<cfm-weighted-average-oneway-fwd-delay-variation>
  cfm-weighted-average-oneway-fwd-delay-variation
</cfm-weighted-average-oneway-fwd-delay-variation>
<cfm-weighted-average-oneway-bkwd-delay-variation>
  cfm-weighted-average-oneway-bkwd-delay-variation
</cfm-weighted-average-oneway-bkwd-delay-variation>
</cfm-iter-ethdm-entry>
</cfm-entry>
```

## Description

### <cfm-iter-ethdm-entry>

#### Usage

```
<cfm-interface>
<cfm-entry>
  <cfm-iter-ethdm-entry>
    <cfm-delay-weight>
      cfm-delay-weight
    </cfm-delay-weight>
    <cfm-delay-variation-weight>
      cfm-delay-variation-weight
    </cfm-delay-variation-weight>
    <cfm-dmm-sent>
      cfm-dmm-sent
    </cfm-dmm-sent>
    <cfm-dmm-skipped-for-threshold-hit>
      cfm-dmm-skipped-for-threshold-hit
    </cfm-dmm-skipped-for-threshold-hit>
    <cfm-dmm-skipped-for-threshold-hit-window>
      cfm-dmm-skipped-for-threshold-hit-window
    </cfm-dmm-skipped-for-threshold-hit-window>
    <cfm-dmr-received>
      cfm-dmr-received
    </cfm-dmr-received>
    <cfm-dmr-out-of-sequence>
      cfm-dmr-out-of-sequence
    </cfm-dmr-out-of-sequence>
    <cfm-dmr-fc-mismatch>
      cfm-dmr-fc-mismatch
    </cfm-dmr-fc-mismatch>
    <cfm-dmr-invalid-time-stamp>
      cfm-dmr-invalid-time-stamp
    </cfm-dmr-invalid-time-stamp>
    <cfm-average-twoway-delay>
```



```

    cfm-average-twoway-delay
  </cfm-average-twoway-delay>
  <cfm-average-twoway-delay-variation>
    cfm-average-twoway-delay-variation
  </cfm-average-twoway-delay-variation>
  <cfm-average-oneway-fwd-delay-variation>
    cfm-average-oneway-fwd-delay-variation
  </cfm-average-oneway-fwd-delay-variation>
  <cfm-average-oneway-bkwd-delay-variation>
    cfm-average-oneway-bkwd-delay-variation
  </cfm-average-oneway-bkwd-delay-variation>
  <cfm-weighted-average-twoway-delay>
    cfm-weighted-average-twoway-delay
  </cfm-weighted-average-twoway-delay>
  <cfm-weighted-average-twoway-delay-variation>
    cfm-weighted-average-twoway-delay-variation
  </cfm-weighted-average-twoway-delay-variation>
  <cfm-weighted-average-oneway-fwd-delay-variation>
    cfm-weighted-average-oneway-fwd-delay-variation
  </cfm-weighted-average-oneway-fwd-delay-variation>
  <cfm-weighted-average-oneway-bkwd-delay-variation>
    cfm-weighted-average-oneway-bkwd-delay-variation
  </cfm-weighted-average-oneway-bkwd-delay-variation>
</cfm-iter-ethdm-entry>
</cfm-entry>
</cfm-interface>

```

## Description

### <cfm-iter-ethdm-entry>

#### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-iter-ethdm-entry>
      <cfm-delay-weight>
        cfm-delay-weight
      </cfm-delay-weight>
      <cfm-delay-variation-weight>
        cfm-delay-variation-weight
      </cfm-delay-variation-weight>
      <cfm-dmm-sent>
        cfm-dmm-sent
      </cfm-dmm-sent>
      <cfm-dmm-skipped-for-threshold-hit>
        cfm-dmm-skipped-for-threshold-hit
      </cfm-dmm-skipped-for-threshold-hit>
      <cfm-dmm-skipped-for-threshold-hit-window>
        cfm-dmm-skipped-for-threshold-hit-window
      </cfm-dmm-skipped-for-threshold-hit-window>
      <cfm-dmr-received>
        cfm-dmr-received
      </cfm-dmr-received>
      <cfm-dmr-out-of-sequence>
        cfm-dmr-out-of-sequence
    </cfm-iter-ethdm-entry>
  </cfm-entry>
</cfm-mep-database>

```

```
</cfm-dmr-out-of-sequence>
<cfm-dmr-fc-mismatch>
  cfm-dmr-fc-mismatch
</cfm-dmr-fc-mismatch>
<cfm-dmr-invalid-time-stamp>
  cfm-dmr-invalid-time-stamp
</cfm-dmr-invalid-time-stamp>
<cfm-average-twoway-delay>
  cfm-average-twoway-delay
</cfm-average-twoway-delay>
<cfm-average-twoway-delay-variation>
  cfm-average-twoway-delay-variation
</cfm-average-twoway-delay-variation>
<cfm-average-oneway-fwd-delay-variation>
  cfm-average-oneway-fwd-delay-variation
</cfm-average-oneway-fwd-delay-variation>
<cfm-average-oneway-bkwd-delay-variation>
  cfm-average-oneway-bkwd-delay-variation
</cfm-average-oneway-bkwd-delay-variation>
<cfm-weighted-average-twoway-delay>
  cfm-weighted-average-twoway-delay
</cfm-weighted-average-twoway-delay>
<cfm-weighted-average-twoway-delay-variation>
  cfm-weighted-average-twoway-delay-variation
</cfm-weighted-average-twoway-delay-variation>
<cfm-weighted-average-oneway-fwd-delay-variation>
  cfm-weighted-average-oneway-fwd-delay-variation
</cfm-weighted-average-oneway-fwd-delay-variation>
<cfm-weighted-average-oneway-bkwd-delay-variation>
  cfm-weighted-average-oneway-bkwd-delay-variation
</cfm-weighted-average-oneway-bkwd-delay-variation>
</cfm-iter-ethdm-entry>
</cfm-entry>
</cfm-mep-database>
```

## Description

### <cfm-iter-ethdm-entry>

#### Usage

```
<cfm-mep-statistics>
<cfm-entry>
  <cfm-iter-ethdm-entry>
    <cfm-delay-weight>
      cfm-delay-weight
    </cfm-delay-weight>
    <cfm-delay-variation-weight>
      cfm-delay-variation-weight
    </cfm-delay-variation-weight>
    <cfm-dmm-sent>
      cfm-dmm-sent
    </cfm-dmm-sent>
    <cfm-dmm-skipped-for-threshold-hit>
      cfm-dmm-skipped-for-threshold-hit
    </cfm-dmm-skipped-for-threshold-hit>
```

```

<cfm-dmm-skipped-for-threshold-hit-window>
  cfm-dmm-skipped-for-threshold-hit-window
</cfm-dmm-skipped-for-threshold-hit-window>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-out-of-sequence>
  cfm-dmr-out-of-sequence
</cfm-dmr-out-of-sequence>
<cfm-dmr-fc-mismatch>
  cfm-dmr-fc-mismatch
</cfm-dmr-fc-mismatch>
<cfm-dmr-invalid-time-stamp>
  cfm-dmr-invalid-time-stamp
</cfm-dmr-invalid-time-stamp>
<cfm-average-twoway-delay>
  cfm-average-twoway-delay
</cfm-average-twoway-delay>
<cfm-average-twoway-delay-variation>
  cfm-average-twoway-delay-variation
</cfm-average-twoway-delay-variation>
<cfm-average-oneway-fwd-delay-variation>
  cfm-average-oneway-fwd-delay-variation
</cfm-average-oneway-fwd-delay-variation>
<cfm-average-oneway-bkwd-delay-variation>
  cfm-average-oneway-bkwd-delay-variation
</cfm-average-oneway-bkwd-delay-variation>
<cfm-weighted-average-twoway-delay>
  cfm-weighted-average-twoway-delay
</cfm-weighted-average-twoway-delay>
<cfm-weighted-average-twoway-delay-variation>
  cfm-weighted-average-twoway-delay-variation
</cfm-weighted-average-twoway-delay-variation>
<cfm-weighted-average-oneway-fwd-delay-variation>
  cfm-weighted-average-oneway-fwd-delay-variation
</cfm-weighted-average-oneway-fwd-delay-variation>
<cfm-weighted-average-oneway-bkwd-delay-variation>
  cfm-weighted-average-oneway-bkwd-delay-variation
</cfm-weighted-average-oneway-bkwd-delay-variation>
</cfm-iter-ethdm-entry>
</cfm-entry>
</cfm-mep-statistics>

```

## Description

### <cfm-iter-ethdm-entry>

#### Usage

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-iter-ethdm-entry>
      <cfm-delay-weight>
        cfm-delay-weight
      </cfm-delay-weight>
      <cfm-delay-variation-weight>

```

```
    cfm-delay-variation-weight
  </cfm-delay-variation-weight>
  <cfm-dmm-sent>
    cfm-dmm-sent
  </cfm-dmm-sent>
  <cfm-dmm-skipped-for-threshold-hit>
    cfm-dmm-skipped-for-threshold-hit
  </cfm-dmm-skipped-for-threshold-hit>
  <cfm-dmm-skipped-for-threshold-hit-window>
    cfm-dmm-skipped-for-threshold-hit-window
  </cfm-dmm-skipped-for-threshold-hit-window>
  <cfm-dmr-received>
    cfm-dmr-received
  </cfm-dmr-received>
  <cfm-dmr-out-of-sequence>
    cfm-dmr-out-of-sequence
  </cfm-dmr-out-of-sequence>
  <cfm-dmr-fc-mismatch>
    cfm-dmr-fc-mismatch
  </cfm-dmr-fc-mismatch>
  <cfm-dmr-invalid-time-stamp>
    cfm-dmr-invalid-time-stamp
  </cfm-dmr-invalid-time-stamp>
  <cfm-average-twoway-delay>
    cfm-average-twoway-delay
  </cfm-average-twoway-delay>
  <cfm-average-twoway-delay-variation>
    cfm-average-twoway-delay-variation
  </cfm-average-twoway-delay-variation>
  <cfm-average-oneway-fwd-delay-variation>
    cfm-average-oneway-fwd-delay-variation
  </cfm-average-oneway-fwd-delay-variation>
  <cfm-average-oneway-bkwd-delay-variation>
    cfm-average-oneway-bkwd-delay-variation
  </cfm-average-oneway-bkwd-delay-variation>
  <cfm-weighted-average-twoway-delay>
    cfm-weighted-average-twoway-delay
  </cfm-weighted-average-twoway-delay>
  <cfm-weighted-average-twoway-delay-variation>
    cfm-weighted-average-twoway-delay-variation
  </cfm-weighted-average-twoway-delay-variation>
  <cfm-weighted-average-oneway-fwd-delay-variation>
    cfm-weighted-average-oneway-fwd-delay-variation
  </cfm-weighted-average-oneway-fwd-delay-variation>
  <cfm-weighted-average-oneway-bkwd-delay-variation>
    cfm-weighted-average-oneway-bkwd-delay-variation
  </cfm-weighted-average-oneway-bkwd-delay-variation>
  </cfm-iter-ethdm-entry>
</cfm-entry>
</cfm-delay-statistics>
```

## Description

## &lt;cfm-iter-ethdm-entry&gt;

## Usage

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-iter-ethdm-entry>
      <cfm-delay-weight>
        cfm-delay-weight
      </cfm-delay-weight>
      <cfm-delay-variation-weight>
        cfm-delay-variation-weight
      </cfm-delay-variation-weight>
      <cfm-dmm-sent>
        cfm-dmm-sent
      </cfm-dmm-sent>
      <cfm-dmm-skipped-for-threshold-hit>
        cfm-dmm-skipped-for-threshold-hit
      </cfm-dmm-skipped-for-threshold-hit>
      <cfm-dmm-skipped-for-threshold-hit-window>
        cfm-dmm-skipped-for-threshold-hit-window
      </cfm-dmm-skipped-for-threshold-hit-window>
      <cfm-dmr-received>
        cfm-dmr-received
      </cfm-dmr-received>
      <cfm-dmr-out-of-sequence>
        cfm-dmr-out-of-sequence
      </cfm-dmr-out-of-sequence>
      <cfm-dmr-fc-mismatch>
        cfm-dmr-fc-mismatch
      </cfm-dmr-fc-mismatch>
      <cfm-dmr-invalid-time-stamp>
        cfm-dmr-invalid-time-stamp
      </cfm-dmr-invalid-time-stamp>
      <cfm-average-twoway-delay>
        cfm-average-twoway-delay
      </cfm-average-twoway-delay>
      <cfm-average-twoway-delay-variation>
        cfm-average-twoway-delay-variation
      </cfm-average-twoway-delay-variation>
      <cfm-average-oneway-fwd-delay-variation>
        cfm-average-oneway-fwd-delay-variation
      </cfm-average-oneway-fwd-delay-variation>
      <cfm-average-oneway-bkwd-delay-variation>
        cfm-average-oneway-bkwd-delay-variation
      </cfm-average-oneway-bkwd-delay-variation>
      <cfm-weighted-average-twoway-delay>
        cfm-weighted-average-twoway-delay
      </cfm-weighted-average-twoway-delay>
      <cfm-weighted-average-twoway-delay-variation>
        cfm-weighted-average-twoway-delay-variation
      </cfm-weighted-average-twoway-delay-variation>
      <cfm-weighted-average-oneway-fwd-delay-variation>
        cfm-weighted-average-oneway-fwd-delay-variation
      </cfm-weighted-average-oneway-fwd-delay-variation>
      <cfm-weighted-average-oneway-bkwd-delay-variation>

```

```
        cfm-weighted-average-oneway-bkwd-delay-variation
      </cfm-weighted-average-oneway-bkwd-delay-variation>
    </cfm-iter-ethdm-entry>
  </cfm-entry>
</cfm-loss-statistics>
```

## Description

### <cfm-iter-ethdm-entry>

#### Usage

```
<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-iter-ethdm-entry>
      <cfm-delay-weight>
        cfm-delay-weight
      </cfm-delay-weight>
      <cfm-delay-variation-weight>
        cfm-delay-variation-weight
      </cfm-delay-variation-weight>
      <cfm-dmm-sent>
        cfm-dmm-sent
      </cfm-dmm-sent>
      <cfm-dmm-skipped-for-threshold-hit>
        cfm-dmm-skipped-for-threshold-hit
      </cfm-dmm-skipped-for-threshold-hit>
      <cfm-dmm-skipped-for-threshold-hit-window>
        cfm-dmm-skipped-for-threshold-hit-window
      </cfm-dmm-skipped-for-threshold-hit-window>
      <cfm-dmr-received>
        cfm-dmr-received
      </cfm-dmr-received>
      <cfm-dmr-out-of-sequence>
        cfm-dmr-out-of-sequence
      </cfm-dmr-out-of-sequence>
      <cfm-dmr-fc-mismatch>
        cfm-dmr-fc-mismatch
      </cfm-dmr-fc-mismatch>
      <cfm-dmr-invalid-time-stamp>
        cfm-dmr-invalid-time-stamp
      </cfm-dmr-invalid-time-stamp>
      <cfm-average-twoway-delay>
        cfm-average-twoway-delay
      </cfm-average-twoway-delay>
      <cfm-average-twoway-delay-variation>
        cfm-average-twoway-delay-variation
      </cfm-average-twoway-delay-variation>
      <cfm-average-oneway-fwd-delay-variation>
        cfm-average-oneway-fwd-delay-variation
      </cfm-average-oneway-fwd-delay-variation>
      <cfm-average-oneway-bkwd-delay-variation>
        cfm-average-oneway-bkwd-delay-variation
      </cfm-average-oneway-bkwd-delay-variation>
      <cfm-weighted-average-twoway-delay>
        cfm-weighted-average-twoway-delay
```

```

</cfm-weighted-average-twoway-delay>
<cfm-weighted-average-twoway-delay-variation>
  cfm-weighted-average-twoway-delay-variation
</cfm-weighted-average-twoway-delay-variation>
<cfm-weighted-average-oneway-fwd-delay-variation>
  cfm-weighted-average-oneway-fwd-delay-variation
</cfm-weighted-average-oneway-fwd-delay-variation>
<cfm-weighted-average-oneway-bkwd-delay-variation>
  cfm-weighted-average-oneway-bkwd-delay-variation
</cfm-weighted-average-oneway-bkwd-delay-variation>
</cfm-iter-ethdm-entry>
</cfm-entry>
</cfm-iterator-statistics>

```

## Description

### <cfm-iter-ethlm-entry>

#### Usage

```

<cfm-entry>
<cfm-iter-ethlm-entry>
  <cfm-lmm-sent>
    cfm-lmm-sent
  </cfm-lmm-sent>
  <cfm-lmm-skipped-for-threshold-hit>
    cfm-lmm-skipped-for-threshold-hit
  </cfm-lmm-skipped-for-threshold-hit>
  <cfm-lmm-skipped-for-threshold-hit-window>
    cfm-lmm-skipped-for-threshold-hit-window
  </cfm-lmm-skipped-for-threshold-hit-window>
  <cfm-lmr-received>
    cfm-lmr-received
  </cfm-lmr-received>
  <cfm-lmr-out-of-seq>
    cfm-lmr-out-of-seq
  </cfm-lmr-out-of-seq>
  <cfm-lmr-fc-mismatch>
    cfm-lmr-fc-mismatch
  </cfm-lmr-fc-mismatch>
  <cfm-accu-tx-near-end-cir-loss-stats>
    cfm-accu-tx-near-end-cir-loss-stats
  </cfm-accu-tx-near-end-cir-loss-stats>
  <cfm-accu-tx-far-end-cir-loss-stats>
    cfm-accu-tx-far-end-cir-loss-stats
  </cfm-accu-tx-far-end-cir-loss-stats>
  <cfm-accu-tx-near-end-eir-loss-stats>
    cfm-accu-tx-near-end-eir-loss-stats
  </cfm-accu-tx-near-end-eir-loss-stats>
  <cfm-accu-tx-far-end-eir-loss-stats>
    cfm-accu-tx-far-end-eir-loss-stats
  </cfm-accu-tx-far-end-eir-loss-stats>
  <cfm-accu-loss-near-end-cir-loss-stats>
    cfm-accu-loss-near-end-cir-loss-stats
  </cfm-accu-loss-near-end-cir-loss-stats>
  <cfm-accu-loss-near-end-cir-loss-stats-percent>

```

```

    cfm-accu-loss-near-end-cir-loss-stats-percent
  </cfm-accu-loss-near-end-cir-loss-stats-percent>
  <cfm-accu-loss-far-end-cir-loss-stats>
    cfm-accu-loss-far-end-cir-loss-stats
  </cfm-accu-loss-far-end-cir-loss-stats>
  <cfm-accu-loss-far-end-cir-loss-stats-percent>
    cfm-accu-loss-far-end-cir-loss-stats-percent
  </cfm-accu-loss-far-end-cir-loss-stats-percent>
  <cfm-accu-loss-near-end-eir-loss-stats>
    cfm-accu-loss-near-end-eir-loss-stats
  </cfm-accu-loss-near-end-eir-loss-stats>
  <cfm-accu-loss-near-end-eir-loss-stats-percent>
    cfm-accu-loss-near-end-eir-loss-stats-percent
  </cfm-accu-loss-near-end-eir-loss-stats-percent>
  <cfm-accu-loss-far-end-eir-loss-stats>
    cfm-accu-loss-far-end-eir-loss-stats
  </cfm-accu-loss-far-end-eir-loss-stats>
  <cfm-accu-loss-far-end-eir-loss-stats-percent>
    cfm-accu-loss-far-end-eir-loss-stats-percent
  </cfm-accu-loss-far-end-eir-loss-stats-percent>
  <cfm-last-measured-near-end-cir-loss-stats>
    cfm-last-measured-near-end-cir-loss-stats
  </cfm-last-measured-near-end-cir-loss-stats>
  <cfm-last-measured-far-end-cir-loss-stats>
    cfm-last-measured-far-end-cir-loss-stats
  </cfm-last-measured-far-end-cir-loss-stats>
  <cfm-last-measured-near-end-eir-loss-stats>
    cfm-last-measured-near-end-eir-loss-stats
  </cfm-last-measured-near-end-eir-loss-stats>
  <cfm-last-measured-far-end-eir-loss-stats>
    cfm-last-measured-far-end-eir-loss-stats
  </cfm-last-measured-far-end-eir-loss-stats>
</cfm-iter-ethlm-entry>
</cfm-entry>

```

## Description

### <cfm-iter-ethlm-entry>

#### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-iter-ethlm-entry>
      <cfm-lmm-sent>
        cfm-lmm-sent
      </cfm-lmm-sent>
      <cfm-lmm-skipped-for-threshold-hit>
        cfm-lmm-skipped-for-threshold-hit
      </cfm-lmm-skipped-for-threshold-hit>
      <cfm-lmm-skipped-for-threshold-hit-window>
        cfm-lmm-skipped-for-threshold-hit-window
      </cfm-lmm-skipped-for-threshold-hit-window>
      <cfm-lmr-received>
        cfm-lmr-received
      </cfm-lmr-received>
    </cfm-iter-ethlm-entry>
  </cfm-entry>
</cfm-interface>

```



```
<cfm-lmr-out-of-seq>
  cfm-lmr-out-of-seq
</cfm-lmr-out-of-seq>
<cfm-lmr-fc-mismatch>
  cfm-lmr-fc-mismatch
</cfm-lmr-fc-mismatch>
<cfm-accu-tx-near-end-cir-loss-stats>
  cfm-accu-tx-near-end-cir-loss-stats
</cfm-accu-tx-near-end-cir-loss-stats>
<cfm-accu-tx-far-end-cir-loss-stats>
  cfm-accu-tx-far-end-cir-loss-stats
</cfm-accu-tx-far-end-cir-loss-stats>
<cfm-accu-tx-near-end-eir-loss-stats>
  cfm-accu-tx-near-end-eir-loss-stats
</cfm-accu-tx-near-end-eir-loss-stats>
<cfm-accu-tx-far-end-eir-loss-stats>
  cfm-accu-tx-far-end-eir-loss-stats
</cfm-accu-tx-far-end-eir-loss-stats>
<cfm-accu-loss-near-end-cir-loss-stats>
  cfm-accu-loss-near-end-cir-loss-stats
</cfm-accu-loss-near-end-cir-loss-stats>
<cfm-accu-loss-near-end-cir-loss-stats-percent>
  cfm-accu-loss-near-end-cir-loss-stats-percent
</cfm-accu-loss-near-end-cir-loss-stats-percent>
<cfm-accu-loss-far-end-cir-loss-stats>
  cfm-accu-loss-far-end-cir-loss-stats
</cfm-accu-loss-far-end-cir-loss-stats>
<cfm-accu-loss-far-end-cir-loss-stats-percent>
  cfm-accu-loss-far-end-cir-loss-stats-percent
</cfm-accu-loss-far-end-cir-loss-stats-percent>
<cfm-accu-loss-near-end-eir-loss-stats>
  cfm-accu-loss-near-end-eir-loss-stats
</cfm-accu-loss-near-end-eir-loss-stats>
<cfm-accu-loss-near-end-eir-loss-stats-percent>
  cfm-accu-loss-near-end-eir-loss-stats-percent
</cfm-accu-loss-near-end-eir-loss-stats-percent>
<cfm-accu-loss-far-end-eir-loss-stats>
  cfm-accu-loss-far-end-eir-loss-stats
</cfm-accu-loss-far-end-eir-loss-stats>
<cfm-accu-loss-far-end-eir-loss-stats-percent>
  cfm-accu-loss-far-end-eir-loss-stats-percent
</cfm-accu-loss-far-end-eir-loss-stats-percent>
<cfm-last-measured-near-end-cir-loss-stats>
  cfm-last-measured-near-end-cir-loss-stats
</cfm-last-measured-near-end-cir-loss-stats>
<cfm-last-measured-far-end-cir-loss-stats>
  cfm-last-measured-far-end-cir-loss-stats
</cfm-last-measured-far-end-cir-loss-stats>
<cfm-last-measured-near-end-eir-loss-stats>
  cfm-last-measured-near-end-eir-loss-stats
</cfm-last-measured-near-end-eir-loss-stats>
<cfm-last-measured-far-end-eir-loss-stats>
  cfm-last-measured-far-end-eir-loss-stats
</cfm-last-measured-far-end-eir-loss-stats>
</cfm-iter-ethlm-entry>
</cfm-entry>
```

</cfm-interface>

## Description

### <cfm-iter-ethlm-entry>

#### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-iter-ethlm-entry>
      <cfm-lmm-sent>
        cfm-lmm-sent
      </cfm-lmm-sent>
      <cfm-lmm-skipped-for-threshold-hit>
        cfm-lmm-skipped-for-threshold-hit
      </cfm-lmm-skipped-for-threshold-hit>
      <cfm-lmm-skipped-for-threshold-hit-window>
        cfm-lmm-skipped-for-threshold-hit-window
      </cfm-lmm-skipped-for-threshold-hit-window>
      <cfm-lmr-received>
        cfm-lmr-received
      </cfm-lmr-received>
      <cfm-lmr-out-of-seq>
        cfm-lmr-out-of-seq
      </cfm-lmr-out-of-seq>
      <cfm-lmr-fc-mismatch>
        cfm-lmr-fc-mismatch
      </cfm-lmr-fc-mismatch>
      <cfm-accu-tx-near-end-cir-loss-stats>
        cfm-accu-tx-near-end-cir-loss-stats
      </cfm-accu-tx-near-end-cir-loss-stats>
      <cfm-accu-tx-far-end-cir-loss-stats>
        cfm-accu-tx-far-end-cir-loss-stats
      </cfm-accu-tx-far-end-cir-loss-stats>
      <cfm-accu-tx-near-end-eir-loss-stats>
        cfm-accu-tx-near-end-eir-loss-stats
      </cfm-accu-tx-near-end-eir-loss-stats>
      <cfm-accu-tx-far-end-eir-loss-stats>
        cfm-accu-tx-far-end-eir-loss-stats
      </cfm-accu-tx-far-end-eir-loss-stats>
      <cfm-accu-loss-near-end-cir-loss-stats>
        cfm-accu-loss-near-end-cir-loss-stats
      </cfm-accu-loss-near-end-cir-loss-stats>
      <cfm-accu-loss-near-end-cir-loss-stats-percent>
        cfm-accu-loss-near-end-cir-loss-stats-percent
      </cfm-accu-loss-near-end-cir-loss-stats-percent>
      <cfm-accu-loss-far-end-cir-loss-stats>
        cfm-accu-loss-far-end-cir-loss-stats
      </cfm-accu-loss-far-end-cir-loss-stats>
      <cfm-accu-loss-far-end-cir-loss-stats-percent>
        cfm-accu-loss-far-end-cir-loss-stats-percent
      </cfm-accu-loss-far-end-cir-loss-stats-percent>
      <cfm-accu-loss-near-end-eir-loss-stats>
        cfm-accu-loss-near-end-eir-loss-stats
      </cfm-accu-loss-near-end-eir-loss-stats>
```

```

<cfm-accu-loss-near-end-eir-loss-stats-percent>
  cfm-accu-loss-near-end-eir-loss-stats-percent
</cfm-accu-loss-near-end-eir-loss-stats-percent>
<cfm-accu-loss-far-end-eir-loss-stats>
  cfm-accu-loss-far-end-eir-loss-stats
</cfm-accu-loss-far-end-eir-loss-stats>
<cfm-accu-loss-far-end-eir-loss-stats-percent>
  cfm-accu-loss-far-end-eir-loss-stats-percent
</cfm-accu-loss-far-end-eir-loss-stats-percent>
<cfm-last-measured-near-end-cir-loss-stats>
  cfm-last-measured-near-end-cir-loss-stats
</cfm-last-measured-near-end-cir-loss-stats>
<cfm-last-measured-far-end-cir-loss-stats>
  cfm-last-measured-far-end-cir-loss-stats
</cfm-last-measured-far-end-cir-loss-stats>
<cfm-last-measured-near-end-eir-loss-stats>
  cfm-last-measured-near-end-eir-loss-stats
</cfm-last-measured-near-end-eir-loss-stats>
<cfm-last-measured-far-end-eir-loss-stats>
  cfm-last-measured-far-end-eir-loss-stats
</cfm-last-measured-far-end-eir-loss-stats>
</cfm-iter-ethlm-entry>
</cfm-entry>
</cfm-mep-database>

```

## Description

### <cfm-iter-ethlm-entry>

#### Usage

```

<cfm-mep-statistics>
<cfm-entry>
  <cfm-iter-ethlm-entry>
    <cfm-lmm-sent>
      cfm-lmm-sent
    </cfm-lmm-sent>
    <cfm-lmm-skipped-for-threshold-hit>
      cfm-lmm-skipped-for-threshold-hit
    </cfm-lmm-skipped-for-threshold-hit>
    <cfm-lmm-skipped-for-threshold-hit-window>
      cfm-lmm-skipped-for-threshold-hit-window
    </cfm-lmm-skipped-for-threshold-hit-window>
    <cfm-lmr-received>
      cfm-lmr-received
    </cfm-lmr-received>
    <cfm-lmr-out-of-seq>
      cfm-lmr-out-of-seq
    </cfm-lmr-out-of-seq>
    <cfm-lmr-fc-mismatch>
      cfm-lmr-fc-mismatch
    </cfm-lmr-fc-mismatch>
    <cfm-accu-tx-near-end-cir-loss-stats>
      cfm-accu-tx-near-end-cir-loss-stats
    </cfm-accu-tx-near-end-cir-loss-stats>
    <cfm-accu-tx-far-end-cir-loss-stats>

```

```

    cfm-accu-tx-far-end-cir-loss-stats
  </cfm-accu-tx-far-end-cir-loss-stats>
  <cfm-accu-tx-near-end-eir-loss-stats>
    cfm-accu-tx-near-end-eir-loss-stats
  </cfm-accu-tx-near-end-eir-loss-stats>
  <cfm-accu-tx-far-end-eir-loss-stats>
    cfm-accu-tx-far-end-eir-loss-stats
  </cfm-accu-tx-far-end-eir-loss-stats>
  <cfm-accu-loss-near-end-cir-loss-stats>
    cfm-accu-loss-near-end-cir-loss-stats
  </cfm-accu-loss-near-end-cir-loss-stats>
  <cfm-accu-loss-near-end-cir-loss-stats-percent>
    cfm-accu-loss-near-end-cir-loss-stats-percent
  </cfm-accu-loss-near-end-cir-loss-stats-percent>
  <cfm-accu-loss-far-end-cir-loss-stats>
    cfm-accu-loss-far-end-cir-loss-stats
  </cfm-accu-loss-far-end-cir-loss-stats>
  <cfm-accu-loss-far-end-cir-loss-stats-percent>
    cfm-accu-loss-far-end-cir-loss-stats-percent
  </cfm-accu-loss-far-end-cir-loss-stats-percent>
  <cfm-accu-loss-near-end-eir-loss-stats>
    cfm-accu-loss-near-end-eir-loss-stats
  </cfm-accu-loss-near-end-eir-loss-stats>
  <cfm-accu-loss-near-end-eir-loss-stats-percent>
    cfm-accu-loss-near-end-eir-loss-stats-percent
  </cfm-accu-loss-near-end-eir-loss-stats-percent>
  <cfm-accu-loss-far-end-eir-loss-stats>
    cfm-accu-loss-far-end-eir-loss-stats
  </cfm-accu-loss-far-end-eir-loss-stats>
  <cfm-accu-loss-far-end-eir-loss-stats-percent>
    cfm-accu-loss-far-end-eir-loss-stats-percent
  </cfm-accu-loss-far-end-eir-loss-stats-percent>
  <cfm-last-measured-near-end-cir-loss-stats>
    cfm-last-measured-near-end-cir-loss-stats
  </cfm-last-measured-near-end-cir-loss-stats>
  <cfm-last-measured-far-end-cir-loss-stats>
    cfm-last-measured-far-end-cir-loss-stats
  </cfm-last-measured-far-end-cir-loss-stats>
  <cfm-last-measured-near-end-eir-loss-stats>
    cfm-last-measured-near-end-eir-loss-stats
  </cfm-last-measured-near-end-eir-loss-stats>
  <cfm-last-measured-far-end-eir-loss-stats>
    cfm-last-measured-far-end-eir-loss-stats
  </cfm-last-measured-far-end-eir-loss-stats>
</cfm-iter-ethlm-entry>
</cfm-entry>
</cfm-mep-statistics>

```

#### Description

<cfm-iter-ethlm-entry>

#### Usage

```

<cfm-delay-statistics>
<cfm-entry>

```

```
<cfm-iter-ethlm-entry>
  <cfm-lmm-sent>
    cfm-lmm-sent
  </cfm-lmm-sent>
  <cfm-lmm-skipped-for-threshold-hit>
    cfm-lmm-skipped-for-threshold-hit
  </cfm-lmm-skipped-for-threshold-hit>
  <cfm-lmm-skipped-for-threshold-hit-window>
    cfm-lmm-skipped-for-threshold-hit-window
  </cfm-lmm-skipped-for-threshold-hit-window>
  <cfm-lmr-received>
    cfm-lmr-received
  </cfm-lmr-received>
  <cfm-lmr-out-of-seq>
    cfm-lmr-out-of-seq
  </cfm-lmr-out-of-seq>
  <cfm-lmr-fc-mismatch>
    cfm-lmr-fc-mismatch
  </cfm-lmr-fc-mismatch>
  <cfm-accu-tx-near-end-cir-loss-stats>
    cfm-accu-tx-near-end-cir-loss-stats
  </cfm-accu-tx-near-end-cir-loss-stats>
  <cfm-accu-tx-far-end-cir-loss-stats>
    cfm-accu-tx-far-end-cir-loss-stats
  </cfm-accu-tx-far-end-cir-loss-stats>
  <cfm-accu-tx-near-end-eir-loss-stats>
    cfm-accu-tx-near-end-eir-loss-stats
  </cfm-accu-tx-near-end-eir-loss-stats>
  <cfm-accu-tx-far-end-eir-loss-stats>
    cfm-accu-tx-far-end-eir-loss-stats
  </cfm-accu-tx-far-end-eir-loss-stats>
  <cfm-accu-loss-near-end-cir-loss-stats>
    cfm-accu-loss-near-end-cir-loss-stats
  </cfm-accu-loss-near-end-cir-loss-stats>
  <cfm-accu-loss-near-end-cir-loss-stats-percent>
    cfm-accu-loss-near-end-cir-loss-stats-percent
  </cfm-accu-loss-near-end-cir-loss-stats-percent>
  <cfm-accu-loss-far-end-cir-loss-stats>
    cfm-accu-loss-far-end-cir-loss-stats
  </cfm-accu-loss-far-end-cir-loss-stats>
  <cfm-accu-loss-far-end-cir-loss-stats-percent>
    cfm-accu-loss-far-end-cir-loss-stats-percent
  </cfm-accu-loss-far-end-cir-loss-stats-percent>
  <cfm-accu-loss-near-end-eir-loss-stats>
    cfm-accu-loss-near-end-eir-loss-stats
  </cfm-accu-loss-near-end-eir-loss-stats>
  <cfm-accu-loss-near-end-eir-loss-stats-percent>
    cfm-accu-loss-near-end-eir-loss-stats-percent
  </cfm-accu-loss-near-end-eir-loss-stats-percent>
  <cfm-accu-loss-far-end-eir-loss-stats>
    cfm-accu-loss-far-end-eir-loss-stats
  </cfm-accu-loss-far-end-eir-loss-stats>
  <cfm-accu-loss-far-end-eir-loss-stats-percent>
    cfm-accu-loss-far-end-eir-loss-stats-percent
  </cfm-accu-loss-far-end-eir-loss-stats-percent>
  <cfm-last-measured-near-end-cir-loss-stats>
```

```

        cfm-last-measured-near-end-cir-loss-stats
      </cfm-last-measured-near-end-cir-loss-stats>
    <cfm-last-measured-far-end-cir-loss-stats>
      cfm-last-measured-far-end-cir-loss-stats
    </cfm-last-measured-far-end-cir-loss-stats>
    <cfm-last-measured-near-end-eir-loss-stats>
      cfm-last-measured-near-end-eir-loss-stats
    </cfm-last-measured-near-end-eir-loss-stats>
    <cfm-last-measured-far-end-eir-loss-stats>
      cfm-last-measured-far-end-eir-loss-stats
    </cfm-last-measured-far-end-eir-loss-stats>
  </cfm-iter-ethlm-entry>
</cfm-entry>
</cfm-delay-statistics>

```

## Description

### <cfm-iter-ethlm-entry>

#### Usage

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-iter-ethlm-entry>
      <cfm-lmm-sent>
        cfm-lmm-sent
      </cfm-lmm-sent>
      <cfm-lmm-skipped-for-threshold-hit>
        cfm-lmm-skipped-for-threshold-hit
      </cfm-lmm-skipped-for-threshold-hit>
      <cfm-lmm-skipped-for-threshold-hit-window>
        cfm-lmm-skipped-for-threshold-hit-window
      </cfm-lmm-skipped-for-threshold-hit-window>
      <cfm-lmr-received>
        cfm-lmr-received
      </cfm-lmr-received>
      <cfm-lmr-out-of-seq>
        cfm-lmr-out-of-seq
      </cfm-lmr-out-of-seq>
      <cfm-lmr-fc-mismatch>
        cfm-lmr-fc-mismatch
      </cfm-lmr-fc-mismatch>
      <cfm-accu-tx-near-end-cir-loss-stats>
        cfm-accu-tx-near-end-cir-loss-stats
      </cfm-accu-tx-near-end-cir-loss-stats>
      <cfm-accu-tx-far-end-cir-loss-stats>
        cfm-accu-tx-far-end-cir-loss-stats
      </cfm-accu-tx-far-end-cir-loss-stats>
      <cfm-accu-tx-near-end-eir-loss-stats>
        cfm-accu-tx-near-end-eir-loss-stats
      </cfm-accu-tx-near-end-eir-loss-stats>
      <cfm-accu-tx-far-end-eir-loss-stats>
        cfm-accu-tx-far-end-eir-loss-stats
      </cfm-accu-tx-far-end-eir-loss-stats>
      <cfm-accu-loss-near-end-cir-loss-stats>
        cfm-accu-loss-near-end-cir-loss-stats

```

```

</cfm-accu-loss-near-end-cir-loss-stats>
<cfm-accu-loss-near-end-cir-loss-stats-percent>
  cfm-accu-loss-near-end-cir-loss-stats-percent
</cfm-accu-loss-near-end-cir-loss-stats-percent>
<cfm-accu-loss-far-end-cir-loss-stats>
  cfm-accu-loss-far-end-cir-loss-stats
</cfm-accu-loss-far-end-cir-loss-stats>
<cfm-accu-loss-far-end-cir-loss-stats-percent>
  cfm-accu-loss-far-end-cir-loss-stats-percent
</cfm-accu-loss-far-end-cir-loss-stats-percent>
<cfm-accu-loss-near-end-eir-loss-stats>
  cfm-accu-loss-near-end-eir-loss-stats
</cfm-accu-loss-near-end-eir-loss-stats>
<cfm-accu-loss-near-end-eir-loss-stats-percent>
  cfm-accu-loss-near-end-eir-loss-stats-percent
</cfm-accu-loss-near-end-eir-loss-stats-percent>
<cfm-accu-loss-far-end-eir-loss-stats>
  cfm-accu-loss-far-end-eir-loss-stats
</cfm-accu-loss-far-end-eir-loss-stats>
<cfm-accu-loss-far-end-eir-loss-stats-percent>
  cfm-accu-loss-far-end-eir-loss-stats-percent
</cfm-accu-loss-far-end-eir-loss-stats-percent>
<cfm-last-measured-near-end-cir-loss-stats>
  cfm-last-measured-near-end-cir-loss-stats
</cfm-last-measured-near-end-cir-loss-stats>
<cfm-last-measured-far-end-cir-loss-stats>
  cfm-last-measured-far-end-cir-loss-stats
</cfm-last-measured-far-end-cir-loss-stats>
<cfm-last-measured-near-end-eir-loss-stats>
  cfm-last-measured-near-end-eir-loss-stats
</cfm-last-measured-near-end-eir-loss-stats>
<cfm-last-measured-far-end-eir-loss-stats>
  cfm-last-measured-far-end-eir-loss-stats
</cfm-last-measured-far-end-eir-loss-stats>
</cfm-iter-ethlm-entry>
</cfm-entry>
</cfm-loss-statistics>

```

## Description

### <cfm-iter-ethlm-entry>

#### Usage

```

<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-iter-ethlm-entry>
      <cfm-lmm-sent>
        cfm-lmm-sent
      </cfm-lmm-sent>
      <cfm-lmm-skipped-for-threshold-hit>
        cfm-lmm-skipped-for-threshold-hit
      </cfm-lmm-skipped-for-threshold-hit>
      <cfm-lmm-skipped-for-threshold-hit-window>
        cfm-lmm-skipped-for-threshold-hit-window
      </cfm-lmm-skipped-for-threshold-hit-window>
    </cfm-iter-ethlm-entry>
  </cfm-entry>
</cfm-iterator-statistics>

```

```
<cfm-lmr-received>
  cfm-lmr-received
</cfm-lmr-received>
<cfm-lmr-out-of-seq>
  cfm-lmr-out-of-seq
</cfm-lmr-out-of-seq>
<cfm-lmr-fc-mismatch>
  cfm-lmr-fc-mismatch
</cfm-lmr-fc-mismatch>
<cfm-accu-tx-near-end-cir-loss-stats>
  cfm-accu-tx-near-end-cir-loss-stats
</cfm-accu-tx-near-end-cir-loss-stats>
<cfm-accu-tx-far-end-cir-loss-stats>
  cfm-accu-tx-far-end-cir-loss-stats
</cfm-accu-tx-far-end-cir-loss-stats>
<cfm-accu-tx-near-end-eir-loss-stats>
  cfm-accu-tx-near-end-eir-loss-stats
</cfm-accu-tx-near-end-eir-loss-stats>
<cfm-accu-tx-far-end-eir-loss-stats>
  cfm-accu-tx-far-end-eir-loss-stats
</cfm-accu-tx-far-end-eir-loss-stats>
<cfm-accu-loss-near-end-cir-loss-stats>
  cfm-accu-loss-near-end-cir-loss-stats
</cfm-accu-loss-near-end-cir-loss-stats>
<cfm-accu-loss-near-end-cir-loss-stats-percent>
  cfm-accu-loss-near-end-cir-loss-stats-percent
</cfm-accu-loss-near-end-cir-loss-stats-percent>
<cfm-accu-loss-far-end-cir-loss-stats>
  cfm-accu-loss-far-end-cir-loss-stats
</cfm-accu-loss-far-end-cir-loss-stats>
<cfm-accu-loss-far-end-cir-loss-stats-percent>
  cfm-accu-loss-far-end-cir-loss-stats-percent
</cfm-accu-loss-far-end-cir-loss-stats-percent>
<cfm-accu-loss-near-end-eir-loss-stats>
  cfm-accu-loss-near-end-eir-loss-stats
</cfm-accu-loss-near-end-eir-loss-stats>
<cfm-accu-loss-near-end-eir-loss-stats-percent>
  cfm-accu-loss-near-end-eir-loss-stats-percent
</cfm-accu-loss-near-end-eir-loss-stats-percent>
<cfm-accu-loss-far-end-eir-loss-stats>
  cfm-accu-loss-far-end-eir-loss-stats
</cfm-accu-loss-far-end-eir-loss-stats>
<cfm-accu-loss-far-end-eir-loss-stats-percent>
  cfm-accu-loss-far-end-eir-loss-stats-percent
</cfm-accu-loss-far-end-eir-loss-stats-percent>
<cfm-last-measured-near-end-cir-loss-stats>
  cfm-last-measured-near-end-cir-loss-stats
</cfm-last-measured-near-end-cir-loss-stats>
<cfm-last-measured-far-end-cir-loss-stats>
  cfm-last-measured-far-end-cir-loss-stats
</cfm-last-measured-far-end-cir-loss-stats>
<cfm-last-measured-near-end-eir-loss-stats>
  cfm-last-measured-near-end-eir-loss-stats
</cfm-last-measured-near-end-eir-loss-stats>
<cfm-last-measured-far-end-eir-loss-stats>
  cfm-last-measured-far-end-eir-loss-stats
```



```

        </cfm-last-measured-far-end-eir-loss-stats>
    </cfm-iter-ethlm-entry>
</cfm-entry>
</cfm-iterator-statistics>

```

## Description

### <cfm-iter-info>

#### Usage

```

<cfm-entry>
  <cfm-iter-info>
    <cfm-iterator-name>
      cfm-iterator-name
    </cfm-iterator-name>
    <cfm-iterator-identifier>
      cfm-iterator-identifier
    </cfm-iterator-identifier>
    <cfm-iterator-cycle-time>
      cfm-iterator-cycle-time
    </cfm-iterator-cycle-time>
    <cfm-iteration-period>
      cfm-iteration-period
    </cfm-iteration-period>
    <cfm-iterator-status>
      cfm-iterator-status
    </cfm-iterator-status>
    <cfm-iterator-forever-status>
      cfm-iterator-forever-status
    </cfm-iterator-forever-status>
    <cfm-iteration-current-count>
      cfm-iteration-current-count
    </cfm-iteration-current-count>
    <cfm-iteration-remaining-count>
      cfm-iteration-remaining-count
    </cfm-iteration-remaining-count>
    <cfm-iterator-counter-reset-time>
      cfm-iterator-counter-reset-time
    </cfm-iterator-counter-reset-time>
    <cfm-iterator-counter-reset-reason>
      cfm-iterator-counter-reset-reason
    </cfm-iterator-counter-reset-reason>
  </cfm-iter-info>
</cfm-entry>

```

## Description

### <cfm-iter-info>

#### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-iter-info>
      <cfm-iterator-name>

```

```
    cfm-iterator-name
  </cfm-iterator-name>
  <cfm-iterator-identifier>
    cfm-iterator-identifier
  </cfm-iterator-identifier>
  <cfm-iterator-cycle-time>
    cfm-iterator-cycle-time
  </cfm-iterator-cycle-time>
  <cfm-iteration-period>
    cfm-iteration-period
  </cfm-iteration-period>
  <cfm-iterator-status>
    cfm-iterator-status
  </cfm-iterator-status>
  <cfm-iterator-forever-status>
    cfm-iterator-forever-status
  </cfm-iterator-forever-status>
  <cfm-iteration-current-count>
    cfm-iteration-current-count
  </cfm-iteration-current-count>
  <cfm-iteration-remaining-count>
    cfm-iteration-remaining-count
  </cfm-iteration-remaining-count>
  <cfm-iterator-counter-reset-time>
    cfm-iterator-counter-reset-time
  </cfm-iterator-counter-reset-time>
  <cfm-iterator-counter-reset-reason>
    cfm-iterator-counter-reset-reason
  </cfm-iterator-counter-reset-reason>
</cfm-iter-info>
</cfm-entry>
</cfm-interface>
```

## Description

### <cfm-iter-info>

#### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-iter-info>
      <cfm-iterator-name>
        cfm-iterator-name
      </cfm-iterator-name>
      <cfm-iterator-identifier>
        cfm-iterator-identifier
      </cfm-iterator-identifier>
      <cfm-iterator-cycle-time>
        cfm-iterator-cycle-time
      </cfm-iterator-cycle-time>
      <cfm-iteration-period>
        cfm-iteration-period
      </cfm-iteration-period>
      <cfm-iterator-status>
        cfm-iterator-status
```

```

</cfm-iterator-status>
<cfm-iterator-forever-status>
  cfm-iterator-forever-status
</cfm-iterator-forever-status>
<cfm-iteration-current-count>
  cfm-iteration-current-count
</cfm-iteration-current-count>
<cfm-iteration-remaining-count>
  cfm-iteration-remaining-count
</cfm-iteration-remaining-count>
<cfm-iterator-counter-reset-time>
  cfm-iterator-counter-reset-time
</cfm-iterator-counter-reset-time>
<cfm-iterator-counter-reset-reason>
  cfm-iterator-counter-reset-reason
</cfm-iterator-counter-reset-reason>
</cfm-iter-info>
</cfm-entry>
</cfm-mep-database>

```

#### Description

#### <cfm-iter-info>

#### Usage

```

<cfm-mep-statistics>
<cfm-entry>
  <cfm-iter-info>
    <cfm-iterator-name>
      cfm-iterator-name
    </cfm-iterator-name>
    <cfm-iterator-identifier>
      cfm-iterator-identifier
    </cfm-iterator-identifier>
    <cfm-iterator-cycle-time>
      cfm-iterator-cycle-time
    </cfm-iterator-cycle-time>
    <cfm-iteration-period>
      cfm-iteration-period
    </cfm-iteration-period>
    <cfm-iterator-status>
      cfm-iterator-status
    </cfm-iterator-status>
    <cfm-iterator-forever-status>
      cfm-iterator-forever-status
    </cfm-iterator-forever-status>
    <cfm-iteration-current-count>
      cfm-iteration-current-count
    </cfm-iteration-current-count>
    <cfm-iteration-remaining-count>
      cfm-iteration-remaining-count
    </cfm-iteration-remaining-count>
    <cfm-iterator-counter-reset-time>
      cfm-iterator-counter-reset-time
    </cfm-iterator-counter-reset-time>

```

```
<cfm-iterator-counter-reset-reason>
  cfm-iterator-counter-reset-reason
</cfm-iterator-counter-reset-reason>
</cfm-iter-info>
</cfm-entry>
</cfm-mep-statistics>
```

## Description

### <cfm-iter-info>

#### Usage

```
<cfm-delay-statistics>
<cfm-entry>
  <cfm-iter-info>
    <cfm-iterator-name>
      cfm-iterator-name
    </cfm-iterator-name>
    <cfm-iterator-identifier>
      cfm-iterator-identifier
    </cfm-iterator-identifier>
    <cfm-iterator-cycle-time>
      cfm-iterator-cycle-time
    </cfm-iterator-cycle-time>
    <cfm-iteration-period>
      cfm-iteration-period
    </cfm-iteration-period>
    <cfm-iterator-status>
      cfm-iterator-status
    </cfm-iterator-status>
    <cfm-iterator-forever-status>
      cfm-iterator-forever-status
    </cfm-iterator-forever-status>
    <cfm-iteration-current-count>
      cfm-iteration-current-count
    </cfm-iteration-current-count>
    <cfm-iteration-remaining-count>
      cfm-iteration-remaining-count
    </cfm-iteration-remaining-count>
    <cfm-iterator-counter-reset-time>
      cfm-iterator-counter-reset-time
    </cfm-iterator-counter-reset-time>
    <cfm-iterator-counter-reset-reason>
      cfm-iterator-counter-reset-reason
    </cfm-iterator-counter-reset-reason>
  </cfm-iter-info>
</cfm-entry>
</cfm-delay-statistics>
```

## Description

**<cfm-iter-info>****Usage**

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-iter-info>
      <cfm-iterator-name>
        cfm-iterator-name
      </cfm-iterator-name>
      <cfm-iterator-identifier>
        cfm-iterator-identifier
      </cfm-iterator-identifier>
      <cfm-iterator-cycle-time>
        cfm-iterator-cycle-time
      </cfm-iterator-cycle-time>
      <cfm-iteration-period>
        cfm-iteration-period
      </cfm-iteration-period>
      <cfm-iterator-status>
        cfm-iterator-status
      </cfm-iterator-status>
      <cfm-iterator-forever-status>
        cfm-iterator-forever-status
      </cfm-iterator-forever-status>
      <cfm-iteration-current-count>
        cfm-iteration-current-count
      </cfm-iteration-current-count>
      <cfm-iteration-remaining-count>
        cfm-iteration-remaining-count
      </cfm-iteration-remaining-count>
      <cfm-iterator-counter-reset-time>
        cfm-iterator-counter-reset-time
      </cfm-iterator-counter-reset-time>
      <cfm-iterator-counter-reset-reason>
        cfm-iterator-counter-reset-reason
      </cfm-iterator-counter-reset-reason>
    </cfm-iter-info>
  </cfm-entry>
</cfm-loss-statistics>

```

**Description****<cfm-iter-info>****Usage**

```

<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-iter-info>
      <cfm-iterator-name>
        cfm-iterator-name
      </cfm-iterator-name>
      <cfm-iterator-identifier>
        cfm-iterator-identifier
      </cfm-iterator-identifier>
    </cfm-iter-info>
  </cfm-entry>
</cfm-iterator-statistics>

```

```
<cfm-iterator-cycle-time>
  cfm-iterator-cycle-time
</cfm-iterator-cycle-time>
<cfm-iteration-period>
  cfm-iteration-period
</cfm-iteration-period>
<cfm-iterator-status>
  cfm-iterator-status
</cfm-iterator-status>
<cfm-iterator-forever-status>
  cfm-iterator-forever-status
</cfm-iterator-forever-status>
<cfm-iteration-current-count>
  cfm-iteration-current-count
</cfm-iteration-current-count>
<cfm-iteration-remaining-count>
  cfm-iteration-remaining-count
</cfm-iteration-remaining-count>
<cfm-iterator-counter-reset-time>
  cfm-iterator-counter-reset-time
</cfm-iterator-counter-reset-time>
<cfm-iterator-counter-reset-reason>
  cfm-iterator-counter-reset-reason
</cfm-iterator-counter-reset-reason>
</cfm-iter-info>
</cfm-entry>
</cfm-iterator-statistics>
```

## Description

### <cfm-iter-mep-summary>

#### Usage

```
<cfm-entry>
  <cfm-iter-mep-summary>
    <cfm-level>
      cfm-level
    </cfm-level>
    <cfm-maintenance-domain-name>
      cfm-maintenance-domain-name
    </cfm-maintenance-domain-name>
    <cfm-maintenance-association-name>
      cfm-maintenance-association-name
    </cfm-maintenance-association-name>
    <cfm-local-mep-identifier>
      cfm-local-mep-identifier
    </cfm-local-mep-identifier>
    <cfm-remote-mep-identifier>
      cfm-remote-mep-identifier
    </cfm-remote-mep-identifier>
    <cfm-remote-mep-mac-address>
      cfm-remote-mep-mac-address
    </cfm-remote-mep-mac-address>
    <cfm-iterator-error-status>
      cfm-iterator-error-status
```

```

    </cfm-iterator-error-status>
  </cfm-iter-mep-summary>
</cfm-entry>

```

### Description

## <cfm-iter-mep-summary>

### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-iter-mep-summary>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-local-mep-identifier>
        cfm-local-mep-identifier
      </cfm-local-mep-identifier>
      <cfm-remote-mep-identifier>
        cfm-remote-mep-identifier
      </cfm-remote-mep-identifier>
      <cfm-remote-mep-mac-address>
        cfm-remote-mep-mac-address
      </cfm-remote-mep-mac-address>
      <cfm-iterator-error-status>
        cfm-iterator-error-status
      </cfm-iterator-error-status>
    </cfm-iter-mep-summary>
  </cfm-entry>
</cfm-interface>

```

### Description

## <cfm-iter-mep-summary>

### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-iter-mep-summary>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
    </cfm-iter-mep-summary>
  </cfm-entry>
</cfm-mep-database>

```

```
<cfm-local-mep-identifier>
  cfm-local-mep-identifier
</cfm-local-mep-identifier>
<cfm-remote-mep-identifier>
  cfm-remote-mep-identifier
</cfm-remote-mep-identifier>
<cfm-remote-mep-mac-address>
  cfm-remote-mep-mac-address
</cfm-remote-mep-mac-address>
<cfm-iterator-error-status>
  cfm-iterator-error-status
</cfm-iterator-error-status>
</cfm-iter-mep-summary>
</cfm-entry>
</cfm-mep-database>
```

### Description

## <cfm-iter-mep-summary>

### Usage

```
<cfm-mep-statistics>
<cfm-entry>
  <cfm-iter-mep-summary>
    <cfm-level>
      cfm-level
    </cfm-level>
    <cfm-maintenance-domain-name>
      cfm-maintenance-domain-name
    </cfm-maintenance-domain-name>
    <cfm-maintenance-association-name>
      cfm-maintenance-association-name
    </cfm-maintenance-association-name>
    <cfm-local-mep-identifier>
      cfm-local-mep-identifier
    </cfm-local-mep-identifier>
    <cfm-remote-mep-identifier>
      cfm-remote-mep-identifier
    </cfm-remote-mep-identifier>
    <cfm-remote-mep-mac-address>
      cfm-remote-mep-mac-address
    </cfm-remote-mep-mac-address>
    <cfm-iterator-error-status>
      cfm-iterator-error-status
    </cfm-iterator-error-status>
  </cfm-iter-mep-summary>
</cfm-entry>
</cfm-mep-statistics>
```

### Description



## <cfm-iter-mep-summary>

### Usage

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-iter-mep-summary>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-local-mep-identifier>
        cfm-local-mep-identifier
      </cfm-local-mep-identifier>
      <cfm-remote-mep-identifier>
        cfm-remote-mep-identifier
      </cfm-remote-mep-identifier>
      <cfm-remote-mep-mac-address>
        cfm-remote-mep-mac-address
      </cfm-remote-mep-mac-address>
      <cfm-iterator-error-status>
        cfm-iterator-error-status
      </cfm-iterator-error-status>
    </cfm-iter-mep-summary>
  </cfm-entry>
</cfm-delay-statistics>

```

### Description

## <cfm-iter-mep-summary>

### Usage

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-iter-mep-summary>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-local-mep-identifier>
        cfm-local-mep-identifier
      </cfm-local-mep-identifier>
      <cfm-remote-mep-identifier>
        cfm-remote-mep-identifier
      </cfm-remote-mep-identifier>
    </cfm-iter-mep-summary>
  </cfm-entry>
</cfm-loss-statistics>

```

```
<cfm-remote-mep-mac-address>
  cfm-remote-mep-mac-address
</cfm-remote-mep-mac-address>
<cfm-iterator-error-status>
  cfm-iterator-error-status
</cfm-iterator-error-status>
</cfm-iter-mep-summary>
</cfm-entry>
</cfm-loss-statistics>
```

#### Description

### <cfm-iter-mep-summary>

#### Usage

```
<cfm-iterator-statistics>
<cfm-entry>
  <cfm-iter-mep-summary>
    <cfm-level>
      cfm-level
    </cfm-level>
    <cfm-maintenance-domain-name>
      cfm-maintenance-domain-name
    </cfm-maintenance-domain-name>
    <cfm-maintenance-association-name>
      cfm-maintenance-association-name
    </cfm-maintenance-association-name>
    <cfm-local-mep-identifier>
      cfm-local-mep-identifier
    </cfm-local-mep-identifier>
    <cfm-remote-mep-identifier>
      cfm-remote-mep-identifier
    </cfm-remote-mep-identifier>
    <cfm-remote-mep-mac-address>
      cfm-remote-mep-mac-address
    </cfm-remote-mep-mac-address>
    <cfm-iterator-error-status>
      cfm-iterator-error-status
    </cfm-iterator-error-status>
  </cfm-iter-mep-summary>
</cfm-entry>
</cfm-iterator-statistics>
```

#### Description

### <cfm-iterator-statistics>

#### Usage

```
<cfm-iterator-statistics>
<cfm-entry>....</cfm-entry>
</cfm-iterator-statistics>
```

**Description** Information about iterator statistics on a CFM session

## <cfm-linktrace-path-database>

### Usage

```
<cfm-linktrace-path-database>
  <cfm-ltm-request-snapshot>....</cfm-ltm-request-snapshot>
  <cfm-ltr-reply-entry>....</cfm-ltr-reply-entry>
</cfm-linktrace-path-database>
```

### Description

## <cfm-local-mep>

### Usage

```
<cfm-entry>
  <cfm-local-mep>
    <cfm-local-mep-identifier>
      cfm-local-mep-identifier
    </cfm-local-mep-identifier>
    <cfm-local-mep-direction>
      cfm-local-mep-direction
    </cfm-local-mep-direction>
    <cfm-local-mep-mac-address>
      cfm-local-mep-mac-address
    </cfm-local-mep-mac-address>
    <cfm-local-mep-auto-discovery>
      cfm-local-mep-auto-discovery
    </cfm-local-mep-auto-discovery>
    <cfm-local-mep-priority>
      cfm-local-mep-priority
    </cfm-local-mep-priority>
    <cfm-local-mep-port-status-tlv>
      cfm-local-mep-port-status-tlv
    </cfm-local-mep-port-status-tlv>
    <cfm-local-mep-interface-status-tlv>
      cfm-local-mep-interface-status-tlv
    </cfm-local-mep-interface-status-tlv>

    <cfm-local-mep-connection-protection-tlv>....</cfm-local-mep-connection-protection-tlv>

    <cfm-local-mep-status>
      cfm-local-mep-status
    </cfm-local-mep-status>
  </cfm-local-mep>
</cfm-entry>
```

### Description

## <cfm-local-mep>

### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-local-mep>
```

```
<cfm-local-mep-identifier>
  cfm-local-mep-identifier
</cfm-local-mep-identifier>
<cfm-local-mep-direction>
  cfm-local-mep-direction
</cfm-local-mep-direction>
<cfm-local-mep-mac-address>
  cfm-local-mep-mac-address
</cfm-local-mep-mac-address>
<cfm-local-mep-auto-discovery>
  cfm-local-mep-auto-discovery
</cfm-local-mep-auto-discovery>
<cfm-local-mep-priority>
  cfm-local-mep-priority
</cfm-local-mep-priority>
<cfm-local-mep-port-status-tlv>
  cfm-local-mep-port-status-tlv
</cfm-local-mep-port-status-tlv>
<cfm-local-mep-interface-status-tlv>
  cfm-local-mep-interface-status-tlv
</cfm-local-mep-interface-status-tlv>
```

```
<cfm-local-mep-connection-protection-tlv>....</cfm-local-mep-connection-protection-tlv>
```

```
<cfm-local-mep-status>
  cfm-local-mep-status
</cfm-local-mep-status>
</cfm-local-mep>
</cfm-entry>
</cfm-interface>
```

## Description

### <cfm-local-mep>

#### Usage

```
<cfm-mep-database>
<cfm-entry>
  <cfm-local-mep>
    <cfm-local-mep-identifier>
      cfm-local-mep-identifier
    </cfm-local-mep-identifier>
    <cfm-local-mep-direction>
      cfm-local-mep-direction
    </cfm-local-mep-direction>
    <cfm-local-mep-mac-address>
      cfm-local-mep-mac-address
    </cfm-local-mep-mac-address>
    <cfm-local-mep-auto-discovery>
      cfm-local-mep-auto-discovery
    </cfm-local-mep-auto-discovery>
    <cfm-local-mep-priority>
      cfm-local-mep-priority
    </cfm-local-mep-priority>
    <cfm-local-mep-port-status-tlv>
```

```

    cfm-local-mep-port-status-tlv
  </cfm-local-mep-port-status-tlv>
  <cfm-local-mep-interface-status-tlv>
    cfm-local-mep-interface-status-tlv
  </cfm-local-mep-interface-status-tlv>

```

```
<cfm-local-mep-connection-protection-tlv>....</cfm-local-mep-connection-protection-tlv>
```

```

    <cfm-local-mep-status>
      cfm-local-mep-status
    </cfm-local-mep-status>
  </cfm-local-mep>
</cfm-entry>
</cfm-mep-database>

```

## Description

### <cfm-local-mep>

#### Usage

```

<cfm-mep-statistics>
<cfm-entry>
  <cfm-local-mep>
    <cfm-local-mep-identifier>
      cfm-local-mep-identifier
    </cfm-local-mep-identifier>
    <cfm-local-mep-direction>
      cfm-local-mep-direction
    </cfm-local-mep-direction>
    <cfm-local-mep-mac-address>
      cfm-local-mep-mac-address
    </cfm-local-mep-mac-address>
    <cfm-local-mep-auto-discovery>
      cfm-local-mep-auto-discovery
    </cfm-local-mep-auto-discovery>
    <cfm-local-mep-priority>
      cfm-local-mep-priority
    </cfm-local-mep-priority>
    <cfm-local-mep-port-status-tlv>
      cfm-local-mep-port-status-tlv
    </cfm-local-mep-port-status-tlv>
    <cfm-local-mep-interface-status-tlv>
      cfm-local-mep-interface-status-tlv
    </cfm-local-mep-interface-status-tlv>

```

```
<cfm-local-mep-connection-protection-tlv>....</cfm-local-mep-connection-protection-tlv>
```

```

    <cfm-local-mep-status>
      cfm-local-mep-status
    </cfm-local-mep-status>
  </cfm-local-mep>
</cfm-entry>
</cfm-mep-statistics>

```

**Description****<cfm-local-mep>****Usage**

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-local-mep>
      <cfm-local-mep-identifier>
        cfm-local-mep-identifier
      </cfm-local-mep-identifier>
      <cfm-local-mep-direction>
        cfm-local-mep-direction
      </cfm-local-mep-direction>
      <cfm-local-mep-mac-address>
        cfm-local-mep-mac-address
      </cfm-local-mep-mac-address>
      <cfm-local-mep-auto-discovery>
        cfm-local-mep-auto-discovery
      </cfm-local-mep-auto-discovery>
      <cfm-local-mep-priority>
        cfm-local-mep-priority
      </cfm-local-mep-priority>
      <cfm-local-mep-port-status-tlv>
        cfm-local-mep-port-status-tlv
      </cfm-local-mep-port-status-tlv>
      <cfm-local-mep-interface-status-tlv>
        cfm-local-mep-interface-status-tlv
      </cfm-local-mep-interface-status-tlv>

      <cfm-local-mep-connection-protection-tlv>....</cfm-local-mep-connection-protection-tlv>

    </cfm-local-mep>
  </cfm-entry>
</cfm-delay-statistics>
```

**Description****<cfm-local-mep>****Usage**

```
<cfm-loss-statistics>
  <cfm-entry>
    <cfm-local-mep>
      <cfm-local-mep-identifier>
        cfm-local-mep-identifier
      </cfm-local-mep-identifier>
      <cfm-local-mep-direction>
        cfm-local-mep-direction
      </cfm-local-mep-direction>
      <cfm-local-mep-mac-address>
        cfm-local-mep-mac-address
```

```

</cfm-local-mep-mac-address>
<cfm-local-mep-auto-discovery>
  cfm-local-mep-auto-discovery
</cfm-local-mep-auto-discovery>
<cfm-local-mep-priority>
  cfm-local-mep-priority
</cfm-local-mep-priority>
<cfm-local-mep-port-status-tlv>
  cfm-local-mep-port-status-tlv
</cfm-local-mep-port-status-tlv>
<cfm-local-mep-interface-status-tlv>
  cfm-local-mep-interface-status-tlv
</cfm-local-mep-interface-status-tlv>

```

```
<cfm-local-mep-connection-protection-tlv>....</cfm-local-mep-connection-protection-tlv>
```

```

<cfm-local-mep-status>
  cfm-local-mep-status
</cfm-local-mep-status>
</cfm-local-mep>
</cfm-entry>
</cfm-loss-statistics>

```

## Description

### <cfm-local-mep>

#### Usage

```

<cfm-iterator-statistics>
<cfm-entry>
  <cfm-local-mep>
    <cfm-local-mep-identifier>
      cfm-local-mep-identifier
    </cfm-local-mep-identifier>
    <cfm-local-mep-direction>
      cfm-local-mep-direction
    </cfm-local-mep-direction>
    <cfm-local-mep-mac-address>
      cfm-local-mep-mac-address
    </cfm-local-mep-mac-address>
    <cfm-local-mep-auto-discovery>
      cfm-local-mep-auto-discovery
    </cfm-local-mep-auto-discovery>
    <cfm-local-mep-priority>
      cfm-local-mep-priority
    </cfm-local-mep-priority>
    <cfm-local-mep-port-status-tlv>
      cfm-local-mep-port-status-tlv
    </cfm-local-mep-port-status-tlv>
    <cfm-local-mep-interface-status-tlv>
      cfm-local-mep-interface-status-tlv
    </cfm-local-mep-interface-status-tlv>

```

```
<cfm-local-mep-connection-protection-tlv>....</cfm-local-mep-connection-protection-tlv>
```

```
<cfm-local-mep-status>
  cfm-local-mep-status
</cfm-local-mep-status>
</cfm-local-mep>
</cfm-entry>
</cfm-iterator-statistics>
```

#### Description

### <cfm-local-mep-connection-protection-tlv>

#### Usage

```
<cfm-local-mep-connection-protection-tlv>
  <cfm-connection-protection-tlv-prefer-me>
    cfm-connection-protection-tlv-prefer-me
  </cfm-connection-protection-tlv-prefer-me>
  <cfm-connection-protection-tlv-protection-in-use>
    cfm-connection-protection-tlv-protection-in-use
  </cfm-connection-protection-tlv-protection-in-use>
  <cfm-connection-protection-tlv-frr-flag>
    cfm-connection-protection-tlv-frr-flag
  </cfm-connection-protection-tlv-frr-flag>
  <cfm-connection-protection-tlv-status>
    cfm-connection-protection-tlv-status
  </cfm-connection-protection-tlv-status>
</cfm-local-mep-connection-protection-tlv>
```

**Description** Connection Protection TLV information in the last transmitted CCM from local MEP

### <cfm-local-mep-connection-protection-tlv>

#### Usage

```
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-local-mep-tlv-info>
        <cfm-local-mep-connection-protection-tlv>
          <cfm-connection-protection-tlv-prefer-me>
            cfm-connection-protection-tlv-prefer-me
          </cfm-connection-protection-tlv-prefer-me>
          <cfm-connection-protection-tlv-protection-in-use>
            cfm-connection-protection-tlv-protection-in-use
          </cfm-connection-protection-tlv-protection-in-use>
          <cfm-connection-protection-tlv-frr-flag>
            cfm-connection-protection-tlv-frr-flag
          </cfm-connection-protection-tlv-frr-flag>
          <cfm-connection-protection-tlv-status>
            cfm-connection-protection-tlv-status
          </cfm-connection-protection-tlv-status>
        </cfm-local-mep-connection-protection-tlv>
      </cfm-interface-local-mep-tlv-info>
    </cfm-interface-session>
  </cfm-interface-sessions>
```



```
</cfm-entry>
```

**Description** Connection Protection TLV information in the last transmitted CCM from local MEP

### <cfm-local-mep-connection-protection-tlv>

#### Usage

```
<cfm-entry>
  <cfm-local-mep>
    <cfm-local-mep-connection-protection-tlv>
      <cfm-connection-protection-tlv-prefer-me>
        cfm-connection-protection-tlv-prefer-me
      </cfm-connection-protection-tlv-prefer-me>
      <cfm-connection-protection-tlv-protection-in-use>
        cfm-connection-protection-tlv-protection-in-use
      </cfm-connection-protection-tlv-protection-in-use>
      <cfm-connection-protection-tlv-frr-flag>
        cfm-connection-protection-tlv-frr-flag
      </cfm-connection-protection-tlv-frr-flag>
      <cfm-connection-protection-tlv-status>
        cfm-connection-protection-tlv-status
      </cfm-connection-protection-tlv-status>
    </cfm-local-mep-connection-protection-tlv>
  </cfm-local-mep>
</cfm-entry>
```

**Description** Connection Protection TLV information in the last transmitted CCM from local MEP

### <cfm-local-mep-connection-protection-tlv>

#### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-tlv-info>
          <cfm-local-mep-connection-protection-tlv>
            <cfm-connection-protection-tlv-prefer-me>
              cfm-connection-protection-tlv-prefer-me
            </cfm-connection-protection-tlv-prefer-me>
            <cfm-connection-protection-tlv-protection-in-use>
              cfm-connection-protection-tlv-protection-in-use
            </cfm-connection-protection-tlv-protection-in-use>
            <cfm-connection-protection-tlv-frr-flag>
              cfm-connection-protection-tlv-frr-flag
            </cfm-connection-protection-tlv-frr-flag>
            <cfm-connection-protection-tlv-status>
              cfm-connection-protection-tlv-status
            </cfm-connection-protection-tlv-status>
          </cfm-local-mep-connection-protection-tlv>
        </cfm-interface-local-mep-tlv-info>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-interface>
```

```
</cfm-interface-sessions>
</cfm-entry>
</cfm-interface>
```

**Description** Connection Protection TLV information in the last transmitted CCM from local MEP

### <cfm-local-mep-connection-protection-tlv>

#### Usage

```
<cfm-interface>
<cfm-entry>
  <cfm-local-mep>
    <cfm-local-mep-connection-protection-tlv>
      <cfm-connection-protection-tlv-prefer-me>
        cfm-connection-protection-tlv-prefer-me
      </cfm-connection-protection-tlv-prefer-me>
      <cfm-connection-protection-tlv-protection-in-use>
        cfm-connection-protection-tlv-protection-in-use
      </cfm-connection-protection-tlv-protection-in-use>
      <cfm-connection-protection-tlv-frr-flag>
        cfm-connection-protection-tlv-frr-flag
      </cfm-connection-protection-tlv-frr-flag>
      <cfm-connection-protection-tlv-status>
        cfm-connection-protection-tlv-status
      </cfm-connection-protection-tlv-status>
    </cfm-local-mep-connection-protection-tlv>
  </cfm-local-mep>
</cfm-entry>
</cfm-interface>
```

**Description** Connection Protection TLV information in the last transmitted CCM from local MEP

### <cfm-local-mep-connection-protection-tlv>

#### Usage

```
<cfm-mep-database>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-local-mep-tlv-info>
        <cfm-local-mep-connection-protection-tlv>
          <cfm-connection-protection-tlv-prefer-me>
            cfm-connection-protection-tlv-prefer-me
          </cfm-connection-protection-tlv-prefer-me>
          <cfm-connection-protection-tlv-protection-in-use>
            cfm-connection-protection-tlv-protection-in-use
          </cfm-connection-protection-tlv-protection-in-use>
          <cfm-connection-protection-tlv-frr-flag>
            cfm-connection-protection-tlv-frr-flag
          </cfm-connection-protection-tlv-frr-flag>
          <cfm-connection-protection-tlv-status>
            cfm-connection-protection-tlv-status
          </cfm-connection-protection-tlv-status>
        </cfm-local-mep-connection-protection-tlv>
      </cfm-interface-local-mep-tlv-info>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
</cfm-mep-database>
```

```

        </cfm-connection-protection-tlv-status>
      </cfm-local-mep-connection-protection-tlv>
    </cfm-interface-local-mep-tlv-info>
  </cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-database>

```

**Description** Connection Protection TLV information in the last transmitted CCM from local MEP

### <cfm-local-mep-connection-protection-tlv>

#### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-local-mep>
      <cfm-local-mep-connection-protection-tlv>
        <cfm-connection-protection-tlv-prefer-me>
          cfm-connection-protection-tlv-prefer-me
        </cfm-connection-protection-tlv-prefer-me>
        <cfm-connection-protection-tlv-protection-in-use>
          cfm-connection-protection-tlv-protection-in-use
        </cfm-connection-protection-tlv-protection-in-use>
        <cfm-connection-protection-tlv-frr-flag>
          cfm-connection-protection-tlv-frr-flag
        </cfm-connection-protection-tlv-frr-flag>
        <cfm-connection-protection-tlv-status>
          cfm-connection-protection-tlv-status
        </cfm-connection-protection-tlv-status>
      </cfm-local-mep-connection-protection-tlv>
    </cfm-local-mep>
  </cfm-entry>
</cfm-mep-database>

```

**Description** Connection Protection TLV information in the last transmitted CCM from local MEP

### <cfm-local-mep-connection-protection-tlv>

#### Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-tlv-info>
          <cfm-local-mep-connection-protection-tlv>
            <cfm-connection-protection-tlv-prefer-me>
              cfm-connection-protection-tlv-prefer-me
            </cfm-connection-protection-tlv-prefer-me>
            <cfm-connection-protection-tlv-protection-in-use>
              cfm-connection-protection-tlv-protection-in-use
            </cfm-connection-protection-tlv-protection-in-use>
            <cfm-connection-protection-tlv-frr-flag>

```

```
        cfm-connection-protection-tlv-frr-flag
      </cfm-connection-protection-tlv-frr-flag>
      <cfm-connection-protection-tlv-status>
        cfm-connection-protection-tlv-status
      </cfm-connection-protection-tlv-status>
    </cfm-local-mep-connection-protection-tlv>
  </cfm-interface-local-mep-tlv-info>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-statistics>
```

**Description** Connection Protection TLV information in the last transmitted CCM from local MEP

### <cfm-local-mep-connection-protection-tlv>

#### Usage

```
<cfm-mep-statistics>
<cfm-entry>
  <cfm-local-mep>
    <cfm-local-mep-connection-protection-tlv>
      <cfm-connection-protection-tlv-prefer-me>
        cfm-connection-protection-tlv-prefer-me
      </cfm-connection-protection-tlv-prefer-me>
      <cfm-connection-protection-tlv-protection-in-use>
        cfm-connection-protection-tlv-protection-in-use
      </cfm-connection-protection-tlv-protection-in-use>
      <cfm-connection-protection-tlv-frr-flag>
        cfm-connection-protection-tlv-frr-flag
      </cfm-connection-protection-tlv-frr-flag>
      <cfm-connection-protection-tlv-status>
        cfm-connection-protection-tlv-status
      </cfm-connection-protection-tlv-status>
    </cfm-local-mep-connection-protection-tlv>
  </cfm-local-mep>
</cfm-entry>
</cfm-mep-statistics>
```

**Description** Connection Protection TLV information in the last transmitted CCM from local MEP

### <cfm-local-mep-connection-protection-tlv>

#### Usage

```
<cfm-delay-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-local-mep-tlv-info>
        <cfm-local-mep-connection-protection-tlv>
          <cfm-connection-protection-tlv-prefer-me>
            cfm-connection-protection-tlv-prefer-me
          </cfm-connection-protection-tlv-prefer-me>
```

```

    <cfm-connection-protection-tlv-protection-in-use>
      cfm-connection-protection-tlv-protection-in-use
    </cfm-connection-protection-tlv-protection-in-use>
    <cfm-connection-protection-tlv-frr-flag>
      cfm-connection-protection-tlv-frr-flag
    </cfm-connection-protection-tlv-frr-flag>
    <cfm-connection-protection-tlv-status>
      cfm-connection-protection-tlv-status
    </cfm-connection-protection-tlv-status>
  </cfm-local-mep-connection-protection-tlv>
</cfm-interface-local-mep-tlv-info>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-delay-statistics>

```

**Description** Connection Protection TLV information in the last transmitted CCM from local MEP

### <cfm-local-mep-connection-protection-tlv>

#### Usage

```

<cfm-delay-statistics>
<cfm-entry>
  <cfm-local-mep>
    <cfm-local-mep-connection-protection-tlv>
      <cfm-connection-protection-tlv-prefer-me>
        cfm-connection-protection-tlv-prefer-me
      </cfm-connection-protection-tlv-prefer-me>
      <cfm-connection-protection-tlv-protection-in-use>
        cfm-connection-protection-tlv-protection-in-use
      </cfm-connection-protection-tlv-protection-in-use>
      <cfm-connection-protection-tlv-frr-flag>
        cfm-connection-protection-tlv-frr-flag
      </cfm-connection-protection-tlv-frr-flag>
      <cfm-connection-protection-tlv-status>
        cfm-connection-protection-tlv-status
      </cfm-connection-protection-tlv-status>
    </cfm-local-mep-connection-protection-tlv>
  </cfm-local-mep>
</cfm-entry>
</cfm-delay-statistics>

```

**Description** Connection Protection TLV information in the last transmitted CCM from local MEP

### <cfm-local-mep-connection-protection-tlv>

#### Usage

```

<cfm-loss-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-local-mep-tlv-info>

```

```
<cfm-local-mep-connection-protection-tlv>
  <cfm-connection-protection-tlv-prefer-me>
    cfm-connection-protection-tlv-prefer-me
  </cfm-connection-protection-tlv-prefer-me>
  <cfm-connection-protection-tlv-protection-in-use>
    cfm-connection-protection-tlv-protection-in-use
  </cfm-connection-protection-tlv-protection-in-use>
  <cfm-connection-protection-tlv-frr-flag>
    cfm-connection-protection-tlv-frr-flag
  </cfm-connection-protection-tlv-frr-flag>
  <cfm-connection-protection-tlv-status>
    cfm-connection-protection-tlv-status
  </cfm-connection-protection-tlv-status>
</cfm-local-mep-connection-protection-tlv>
</cfm-interface-local-mep-tlv-info>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-loss-statistics>
```

**Description** Connection Protection TLV information in the last transmitted CCM from local MEP

### <cfm-local-mep-connection-protection-tlv>

#### Usage

```
<cfm-loss-statistics>
  <cfm-entry>
    <cfm-local-mep>
      <cfm-local-mep-connection-protection-tlv>
        <cfm-connection-protection-tlv-prefer-me>
          cfm-connection-protection-tlv-prefer-me
        </cfm-connection-protection-tlv-prefer-me>
        <cfm-connection-protection-tlv-protection-in-use>
          cfm-connection-protection-tlv-protection-in-use
        </cfm-connection-protection-tlv-protection-in-use>
        <cfm-connection-protection-tlv-frr-flag>
          cfm-connection-protection-tlv-frr-flag
        </cfm-connection-protection-tlv-frr-flag>
        <cfm-connection-protection-tlv-status>
          cfm-connection-protection-tlv-status
        </cfm-connection-protection-tlv-status>
      </cfm-local-mep-connection-protection-tlv>
    </cfm-local-mep>
  </cfm-entry>
</cfm-loss-statistics>
```

**Description** Connection Protection TLV information in the last transmitted CCM from local MEP

### <cfm-local-mep-connection-protection-tlv>

#### Usage

```
<cfm-iterator-statistics>
```

```

<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-local-mep-tlv-info>
        <cfm-local-mep-connection-protection-tlv>
          <cfm-connection-protection-tlv-prefer-me>
            cfm-connection-protection-tlv-prefer-me
          </cfm-connection-protection-tlv-prefer-me>
          <cfm-connection-protection-tlv-protection-in-use>
            cfm-connection-protection-tlv-protection-in-use
          </cfm-connection-protection-tlv-protection-in-use>
          <cfm-connection-protection-tlv-frr-flag>
            cfm-connection-protection-tlv-frr-flag
          </cfm-connection-protection-tlv-frr-flag>
          <cfm-connection-protection-tlv-status>
            cfm-connection-protection-tlv-status
          </cfm-connection-protection-tlv-status>
        </cfm-local-mep-connection-protection-tlv>
      </cfm-interface-local-mep-tlv-info>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
</cfm-iterator-statistics>

```

**Description** Connection Protection TLV information in the last transmitted CCM from local MEP

### <cfm-local-mep-connection-protection-tlv>

#### Usage

```

<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-local-mep>
      <cfm-local-mep-connection-protection-tlv>
        <cfm-connection-protection-tlv-prefer-me>
          cfm-connection-protection-tlv-prefer-me
        </cfm-connection-protection-tlv-prefer-me>
        <cfm-connection-protection-tlv-protection-in-use>
          cfm-connection-protection-tlv-protection-in-use
        </cfm-connection-protection-tlv-protection-in-use>
        <cfm-connection-protection-tlv-frr-flag>
          cfm-connection-protection-tlv-frr-flag
        </cfm-connection-protection-tlv-frr-flag>
        <cfm-connection-protection-tlv-status>
          cfm-connection-protection-tlv-status
        </cfm-connection-protection-tlv-status>
      </cfm-local-mep-connection-protection-tlv>
    </cfm-local-mep>
  </cfm-entry>
</cfm-iterator-statistics>

```

**Description** Connection Protection TLV information in the last transmitted CCM from local MEP

## <cfm-local-mep-defects>

### Usage

```
<cfm-entry>
  <cfm-local-mep-defects>
    <cfm-defect-remote-mep-no-ccm>
      cfm-defect-remote-mep-no-ccm
    </cfm-defect-remote-mep-no-ccm>
    <cfm-defect-error-ccm>
      cfm-defect-error-ccm
    </cfm-defect-error-ccm>
    <cfm-defect-cross-connect-ccm>
      cfm-defect-cross-connect-ccm
    </cfm-defect-cross-connect-ccm>
    <cfm-defect-rdi-in-some-mep>
      cfm-defect-rdi-in-some-mep
    </cfm-defect-rdi-in-some-mep>
    <cfm-defect-mac-status>
      cfm-defect-mac-status
    </cfm-defect-mac-status>
  </cfm-local-mep-defects>
</cfm-entry>
```

### Description

## <cfm-local-mep-defects>

### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-local-mep-defects>
      <cfm-defect-remote-mep-no-ccm>
        cfm-defect-remote-mep-no-ccm
      </cfm-defect-remote-mep-no-ccm>
      <cfm-defect-error-ccm>
        cfm-defect-error-ccm
      </cfm-defect-error-ccm>
      <cfm-defect-cross-connect-ccm>
        cfm-defect-cross-connect-ccm
      </cfm-defect-cross-connect-ccm>
      <cfm-defect-rdi-in-some-mep>
        cfm-defect-rdi-in-some-mep
      </cfm-defect-rdi-in-some-mep>
      <cfm-defect-mac-status>
        cfm-defect-mac-status
      </cfm-defect-mac-status>
    </cfm-local-mep-defects>
  </cfm-entry>
</cfm-interface>
```

### Description



## <cfm-local-mep-defects>

### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-local-mep-defects>
      <cfm-defect-remote-mep-no-ccm>
        cfm-defect-remote-mep-no-ccm
      </cfm-defect-remote-mep-no-ccm>
      <cfm-defect-error-ccm>
        cfm-defect-error-ccm
      </cfm-defect-error-ccm>
      <cfm-defect-cross-connect-ccm>
        cfm-defect-cross-connect-ccm
      </cfm-defect-cross-connect-ccm>
      <cfm-defect-rdi-in-some-mep>
        cfm-defect-rdi-in-some-mep
      </cfm-defect-rdi-in-some-mep>
      <cfm-defect-mac-status>
        cfm-defect-mac-status
      </cfm-defect-mac-status>
    </cfm-local-mep-defects>
  </cfm-entry>
</cfm-mep-database>

```

### Description

## <cfm-local-mep-defects>

### Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-local-mep-defects>
      <cfm-defect-remote-mep-no-ccm>
        cfm-defect-remote-mep-no-ccm
      </cfm-defect-remote-mep-no-ccm>
      <cfm-defect-error-ccm>
        cfm-defect-error-ccm
      </cfm-defect-error-ccm>
      <cfm-defect-cross-connect-ccm>
        cfm-defect-cross-connect-ccm
      </cfm-defect-cross-connect-ccm>
      <cfm-defect-rdi-in-some-mep>
        cfm-defect-rdi-in-some-mep
      </cfm-defect-rdi-in-some-mep>
      <cfm-defect-mac-status>
        cfm-defect-mac-status
      </cfm-defect-mac-status>
    </cfm-local-mep-defects>
  </cfm-entry>
</cfm-mep-statistics>

```

### Description

## <cfm-local-mep-defects>

### Usage

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-local-mep-defects>
      <cfm-defect-remote-mep-no-ccm>
        cfm-defect-remote-mep-no-ccm
      </cfm-defect-remote-mep-no-ccm>
      <cfm-defect-error-ccm>
        cfm-defect-error-ccm
      </cfm-defect-error-ccm>
      <cfm-defect-cross-connect-ccm>
        cfm-defect-cross-connect-ccm
      </cfm-defect-cross-connect-ccm>
      <cfm-defect-rdi-in-some-mep>
        cfm-defect-rdi-in-some-mep
      </cfm-defect-rdi-in-some-mep>
      <cfm-defect-mac-status>
        cfm-defect-mac-status
      </cfm-defect-mac-status>
    </cfm-local-mep-defects>
  </cfm-entry>
</cfm-delay-statistics>
```

### Description

## <cfm-local-mep-defects>

### Usage

```
<cfm-loss-statistics>
  <cfm-entry>
    <cfm-local-mep-defects>
      <cfm-defect-remote-mep-no-ccm>
        cfm-defect-remote-mep-no-ccm
      </cfm-defect-remote-mep-no-ccm>
      <cfm-defect-error-ccm>
        cfm-defect-error-ccm
      </cfm-defect-error-ccm>
      <cfm-defect-cross-connect-ccm>
        cfm-defect-cross-connect-ccm
      </cfm-defect-cross-connect-ccm>
      <cfm-defect-rdi-in-some-mep>
        cfm-defect-rdi-in-some-mep
      </cfm-defect-rdi-in-some-mep>
      <cfm-defect-mac-status>
        cfm-defect-mac-status
      </cfm-defect-mac-status>
    </cfm-local-mep-defects>
  </cfm-entry>
</cfm-loss-statistics>
```

### Description

### <cfm-local-mep-defects>

#### Usage

```

<cfm-iterator-statistics>
<cfm-entry>
  <cfm-local-mep-defects>
    <cfm-defect-remote-mep-no-ccm>
      cfm-defect-remote-mep-no-ccm
    </cfm-defect-remote-mep-no-ccm>
    <cfm-defect-error-ccm>
      cfm-defect-error-ccm
    </cfm-defect-error-ccm>
    <cfm-defect-cross-connect-ccm>
      cfm-defect-cross-connect-ccm
    </cfm-defect-cross-connect-ccm>
    <cfm-defect-rdi-in-some-mep>
      cfm-defect-rdi-in-some-mep
    </cfm-defect-rdi-in-some-mep>
    <cfm-defect-mac-status>
      cfm-defect-mac-status
    </cfm-defect-mac-status>
  </cfm-local-mep-defects>
</cfm-entry>
</cfm-iterator-statistics>

```

#### Description

### <cfm-local-mep-loss-threshold-tlv>

#### Usage

```

<cfm-local-mep-loss-threshold-tlv>
  <cfm-loss-threshold-tlv-value>
    cfm-loss-threshold-tlv-value
  </cfm-loss-threshold-tlv-value>
  <cfm-loss-threshold-tlv-flag>
    cfm-loss-threshold-tlv-flag
  </cfm-loss-threshold-tlv-flag>
</cfm-local-mep-loss-threshold-tlv>

```

**Description** Loss Threshold TLV information in the last transmitted CCM from Local MEP

### <cfm-local-mep-loss-threshold-tlv>

#### Usage

```

<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-local-mep-tlv-info>
        <cfm-local-mep-loss-threshold-tlv>
          <cfm-loss-threshold-tlv-value>
            cfm-loss-threshold-tlv-value
          </cfm-loss-threshold-tlv-value>
          <cfm-loss-threshold-tlv-flag>

```

```
        cfm-loss-threshold-tlv-flag
      </cfm-loss-threshold-tlv-flag>
    </cfm-local-mep-loss-threshold-tlv>
  </cfm-interface-local-mep-tlv-info>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
```

**Description** Loss Threshold TLV information in the last transmitted CCM from Local MEP

### <cfm-local-mep-loss-threshold-tlv>

#### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-tlv-info>
          <cfm-local-mep-loss-threshold-tlv>
            <cfm-loss-threshold-tlv-value>
              cfm-loss-threshold-tlv-value
            </cfm-loss-threshold-tlv-value>
            <cfm-loss-threshold-tlv-flag>
              cfm-loss-threshold-tlv-flag
            </cfm-loss-threshold-tlv-flag>
          </cfm-local-mep-loss-threshold-tlv>
        </cfm-interface-local-mep-tlv-info>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-interface>
```

**Description** Loss Threshold TLV information in the last transmitted CCM from Local MEP

### <cfm-local-mep-loss-threshold-tlv>

#### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-tlv-info>
          <cfm-local-mep-loss-threshold-tlv>
            <cfm-loss-threshold-tlv-value>
              cfm-loss-threshold-tlv-value
            </cfm-loss-threshold-tlv-value>
            <cfm-loss-threshold-tlv-flag>
              cfm-loss-threshold-tlv-flag
            </cfm-loss-threshold-tlv-flag>
          </cfm-local-mep-loss-threshold-tlv>
        </cfm-interface-local-mep-tlv-info>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-database>
```

```

    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-database>

```

**Description** Loss Threshold TLV information in the last transmitted CCM from Local MEP

### <cfm-local-mep-loss-threshold-tlv>

#### Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-tlv-info>
          <cfm-local-mep-loss-threshold-tlv>
            <cfm-loss-threshold-tlv-value>
              cfm-loss-threshold-tlv-value
            </cfm-loss-threshold-tlv-value>
            <cfm-loss-threshold-tlv-flag>
              cfm-loss-threshold-tlv-flag
            </cfm-loss-threshold-tlv-flag>
          </cfm-local-mep-loss-threshold-tlv>
        </cfm-interface-local-mep-tlv-info>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-statistics>

```

**Description** Loss Threshold TLV information in the last transmitted CCM from Local MEP

### <cfm-local-mep-loss-threshold-tlv>

#### Usage

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-tlv-info>
          <cfm-local-mep-loss-threshold-tlv>
            <cfm-loss-threshold-tlv-value>
              cfm-loss-threshold-tlv-value
            </cfm-loss-threshold-tlv-value>
            <cfm-loss-threshold-tlv-flag>
              cfm-loss-threshold-tlv-flag
            </cfm-loss-threshold-tlv-flag>
          </cfm-local-mep-loss-threshold-tlv>
        </cfm-interface-local-mep-tlv-info>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-delay-statistics>

```

**Description** Loss Threshold TLV information in the last transmitted CCM from Local MEP

### <cfm-local-mep-loss-threshold-tlv>

**Usage**

```
<cfm-loss-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-tlv-info>
          <cfm-local-mep-loss-threshold-tlv>
            <cfm-loss-threshold-tlv-value>
              cfm-loss-threshold-tlv-value
            </cfm-loss-threshold-tlv-value>
            <cfm-loss-threshold-tlv-flag>
              cfm-loss-threshold-tlv-flag
            </cfm-loss-threshold-tlv-flag>
          </cfm-local-mep-loss-threshold-tlv>
        </cfm-interface-local-mep-tlv-info>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-loss-statistics>
```

**Description** Loss Threshold TLV information in the last transmitted CCM from Local MEP

### <cfm-local-mep-loss-threshold-tlv>

**Usage**

```
<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-tlv-info>
          <cfm-local-mep-loss-threshold-tlv>
            <cfm-loss-threshold-tlv-value>
              cfm-loss-threshold-tlv-value
            </cfm-loss-threshold-tlv-value>
            <cfm-loss-threshold-tlv-flag>
              cfm-loss-threshold-tlv-flag
            </cfm-loss-threshold-tlv-flag>
          </cfm-local-mep-loss-threshold-tlv>
        </cfm-interface-local-mep-tlv-info>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-iterator-statistics>
```

**Description** Loss Threshold TLV information in the last transmitted CCM from Local MEP

## &lt;cfm-local-mep-packet-statistics&gt;

## Usage

```

<cfm-entry>
<cfm-local-mep-packet-statistics>
  <cfm-total-ccm-sent>
    cfm-total-ccm-sent
  </cfm-total-ccm-sent>
  <cfm-out-of-sequence-ccm-received>
    cfm-out-of-sequence-ccm-received
  </cfm-out-of-sequence-ccm-received>
  <cfm-lbm-sent>
    cfm-lbm-sent
  </cfm-lbm-sent>
  <cfm-lbr-sent>
    cfm-lbr-sent
  </cfm-lbr-sent>
  <cfm-lbr-received>
    cfm-lbr-received
  </cfm-lbr-received>
  <cfm-lbr-received-out-of-order>
    cfm-lbr-received-out-of-order
  </cfm-lbr-received-out-of-order>
  <cfm-lbr-bad-msdu>
    cfm-lbr-bad-msdu
  </cfm-lbr-bad-msdu>
  <cfm-total-ltm-sent>
    cfm-total-ltm-sent
  </cfm-total-ltm-sent>
  <cfm-total-ltm-received>
    cfm-total-ltm-received
  </cfm-total-ltm-received>
  <cfm-total-ltr-sent>
    cfm-total-ltr-sent
  </cfm-total-ltr-sent>
  <cfm-total-ltr-received>
    cfm-total-ltr-received
  </cfm-total-ltr-received>
  <cfm-next-ltm-sequence-number>
    cfm-next-ltm-sequence-number
  </cfm-next-ltm-sequence-number>
  <cfm-onedm-sent>
    cfm-onedm-sent
  </cfm-onedm-sent>
  <cfm-onedm-received>
    cfm-onedm-received
  </cfm-onedm-received>
  <cfm-onedm-received-invalid>
    cfm-onedm-received-invalid
  </cfm-onedm-received-invalid>
  <cfm-onedm-received-outofsync>
    cfm-onedm-received-outofsync
  </cfm-onedm-received-outofsync>
  <cfm-dmm-sent>
    cfm-dmm-sent

```

```
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
<cfm-lmm-sent>
  cfm-lmm-sent
</cfm-lmm-sent>
<cfm-lmm-received>
  cfm-lmm-received
</cfm-lmm-received>
<cfm-lmm-received-invalid>
  cfm-lmm-received-invalid
</cfm-lmm-received-invalid>
<cfm-lmr-sent>
  cfm-lmr-sent
</cfm-lmr-sent>
<cfm-lmr-received>
  cfm-lmr-received
</cfm-lmr-received>
<cfm-lmr-received-invalid>
  cfm-lmr-received-invalid
</cfm-lmr-received-invalid>
</cfm-local-mep-packet-statistics>
</cfm-entry>
```

## Description

### <cfm-local-mep-packet-statistics>

#### Usage

```
<cfm-interface>
<cfm-entry>
  <cfm-local-mep-packet-statistics>
    <cfm-total-ccm-sent>
      cfm-total-ccm-sent
    </cfm-total-ccm-sent>
    <cfm-out-of-sequence-ccm-received>
      cfm-out-of-sequence-ccm-received
    </cfm-out-of-sequence-ccm-received>
    <cfm-lbm-sent>
      cfm-lbm-sent
    </cfm-lbm-sent>
    <cfm-lbr-sent>
```



```
    cfm-lbr-sent
  </cfm-lbr-sent>
  <cfm-lbr-received>
    cfm-lbr-received
  </cfm-lbr-received>
  <cfm-lbr-received-out-of-order>
    cfm-lbr-received-out-of-order
  </cfm-lbr-received-out-of-order>
  <cfm-lbr-bad-msdu>
    cfm-lbr-bad-msdu
  </cfm-lbr-bad-msdu>
  <cfm-total-ltm-sent>
    cfm-total-ltm-sent
  </cfm-total-ltm-sent>
  <cfm-total-ltm-received>
    cfm-total-ltm-received
  </cfm-total-ltm-received>
  <cfm-total-ltr-sent>
    cfm-total-ltr-sent
  </cfm-total-ltr-sent>
  <cfm-total-ltr-received>
    cfm-total-ltr-received
  </cfm-total-ltr-received>
  <cfm-next-ltm-sequence-number>
    cfm-next-ltm-sequence-number
  </cfm-next-ltm-sequence-number>
  <cfm-onedm-sent>
    cfm-onedm-sent
  </cfm-onedm-sent>
  <cfm-onedm-received>
    cfm-onedm-received
  </cfm-onedm-received>
  <cfm-onedm-received-invalid>
    cfm-onedm-received-invalid
  </cfm-onedm-received-invalid>
  <cfm-onedm-received-outofsync>
    cfm-onedm-received-outofsync
  </cfm-onedm-received-outofsync>
  <cfm-dmm-sent>
    cfm-dmm-sent
  </cfm-dmm-sent>
  <cfm-dmm-received>
    cfm-dmm-received
  </cfm-dmm-received>
  <cfm-dmm-received-invalid>
    cfm-dmm-received-invalid
  </cfm-dmm-received-invalid>
  <cfm-dmr-sent>
    cfm-dmr-sent
  </cfm-dmr-sent>
  <cfm-dmr-received>
    cfm-dmr-received
  </cfm-dmr-received>
  <cfm-dmr-received-invalid>
    cfm-dmr-received-invalid
  </cfm-dmr-received-invalid>
```

```
<cfm-lmm-sent>
  cfm-lmm-sent
</cfm-lmm-sent>
<cfm-lmm-received>
  cfm-lmm-received
</cfm-lmm-received>
<cfm-lmm-received-invalid>
  cfm-lmm-received-invalid
</cfm-lmm-received-invalid>
<cfm-lmr-sent>
  cfm-lmr-sent
</cfm-lmr-sent>
<cfm-lmr-received>
  cfm-lmr-received
</cfm-lmr-received>
<cfm-lmr-received-invalid>
  cfm-lmr-received-invalid
</cfm-lmr-received-invalid>
</cfm-local-mep-packet-statistics>
</cfm-entry>
</cfm-interface>
```

## Description

### <cfm-local-mep-packet-statistics>

#### Usage

```
<cfm-mep-database>
<cfm-entry>
  <cfm-local-mep-packet-statistics>
    <cfm-total-ccm-sent>
      cfm-total-ccm-sent
    </cfm-total-ccm-sent>
    <cfm-out-of-sequence-ccm-received>
      cfm-out-of-sequence-ccm-received
    </cfm-out-of-sequence-ccm-received>
    <cfm-lbm-sent>
      cfm-lbm-sent
    </cfm-lbm-sent>
    <cfm-lbr-sent>
      cfm-lbr-sent
    </cfm-lbr-sent>
    <cfm-lbr-received>
      cfm-lbr-received
    </cfm-lbr-received>
    <cfm-lbr-received-out-of-order>
      cfm-lbr-received-out-of-order
    </cfm-lbr-received-out-of-order>
    <cfm-lbr-bad-msdu>
      cfm-lbr-bad-msdu
    </cfm-lbr-bad-msdu>
    <cfm-total-ltm-sent>
      cfm-total-ltm-sent
    </cfm-total-ltm-sent>
    <cfm-total-ltm-received>
```

```
cfm-total-ltm-received
</cfm-total-ltm-received>
<cfm-total-ltr-sent>
cfm-total-ltr-sent
</cfm-total-ltr-sent>
<cfm-total-ltr-received>
cfm-total-ltr-received
</cfm-total-ltr-received>
<cfm-next-ltm-sequence-number>
cfm-next-ltm-sequence-number
</cfm-next-ltm-sequence-number>
<cfm-onedm-sent>
cfm-onedm-sent
</cfm-onedm-sent>
<cfm-onedm-received>
cfm-onedm-received
</cfm-onedm-received>
<cfm-onedm-received-invalid>
cfm-onedm-received-invalid
</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
<cfm-lmm-sent>
cfm-lmm-sent
</cfm-lmm-sent>
<cfm-lmm-received>
cfm-lmm-received
</cfm-lmm-received>
<cfm-lmm-received-invalid>
cfm-lmm-received-invalid
</cfm-lmm-received-invalid>
<cfm-lmr-sent>
cfm-lmr-sent
</cfm-lmr-sent>
<cfm-lmr-received>
cfm-lmr-received
</cfm-lmr-received>
```

```
<cfm-lmr-received-invalid>
  cfm-lmr-received-invalid
</cfm-lmr-received-invalid>
</cfm-local-mep-packet-statistics>
</cfm-entry>
</cfm-mep-database>
```

## Description

### <cfm-local-mep-packet-statistics>

#### Usage

```
<cfm-mep-statistics>
<cfm-entry>
  <cfm-local-mep-packet-statistics>
    <cfm-total-ccm-sent>
      cfm-total-ccm-sent
    </cfm-total-ccm-sent>
    <cfm-out-of-sequence-ccm-received>
      cfm-out-of-sequence-ccm-received
    </cfm-out-of-sequence-ccm-received>
    <cfm-lbm-sent>
      cfm-lbm-sent
    </cfm-lbm-sent>
    <cfm-lbr-sent>
      cfm-lbr-sent
    </cfm-lbr-sent>
    <cfm-lbr-received>
      cfm-lbr-received
    </cfm-lbr-received>
    <cfm-lbr-received-out-of-order>
      cfm-lbr-received-out-of-order
    </cfm-lbr-received-out-of-order>
    <cfm-lbr-bad-msdu>
      cfm-lbr-bad-msdu
    </cfm-lbr-bad-msdu>
    <cfm-total-ltm-sent>
      cfm-total-ltm-sent
    </cfm-total-ltm-sent>
    <cfm-total-ltm-received>
      cfm-total-ltm-received
    </cfm-total-ltm-received>
    <cfm-total-ltr-sent>
      cfm-total-ltr-sent
    </cfm-total-ltr-sent>
    <cfm-total-ltr-received>
      cfm-total-ltr-received
    </cfm-total-ltr-received>
    <cfm-next-ltm-sequence-number>
      cfm-next-ltm-sequence-number
    </cfm-next-ltm-sequence-number>
    <cfm-onedm-sent>
      cfm-onedm-sent
    </cfm-onedm-sent>
    <cfm-onedm-received>
```

```

    cfm-onedm-received
  </cfm-onedm-received>
  <cfm-onedm-received-invalid>
    cfm-onedm-received-invalid
  </cfm-onedm-received-invalid>
  <cfm-onedm-received-outofsync>
    cfm-onedm-received-outofsync
  </cfm-onedm-received-outofsync>
  <cfm-dmm-sent>
    cfm-dmm-sent
  </cfm-dmm-sent>
  <cfm-dmm-received>
    cfm-dmm-received
  </cfm-dmm-received>
  <cfm-dmm-received-invalid>
    cfm-dmm-received-invalid
  </cfm-dmm-received-invalid>
  <cfm-dmr-sent>
    cfm-dmr-sent
  </cfm-dmr-sent>
  <cfm-dmr-received>
    cfm-dmr-received
  </cfm-dmr-received>
  <cfm-dmr-received-invalid>
    cfm-dmr-received-invalid
  </cfm-dmr-received-invalid>
  <cfm-lmm-sent>
    cfm-lmm-sent
  </cfm-lmm-sent>
  <cfm-lmm-received>
    cfm-lmm-received
  </cfm-lmm-received>
  <cfm-lmm-received-invalid>
    cfm-lmm-received-invalid
  </cfm-lmm-received-invalid>
  <cfm-lmr-sent>
    cfm-lmr-sent
  </cfm-lmr-sent>
  <cfm-lmr-received>
    cfm-lmr-received
  </cfm-lmr-received>
  <cfm-lmr-received-invalid>
    cfm-lmr-received-invalid
  </cfm-lmr-received-invalid>
</cfm-local-mep-packet-statistics>
</cfm-entry>
</cfm-mep-statistics>

```

#### Description

<cfm-local-mep-packet-statistics>

#### Usage

```

<cfm-delay-statistics>
<cfm-entry>

```

```
<cfm-local-mep-packet-statistics>
  <cfm-total-ccm-sent>
    cfm-total-ccm-sent
  </cfm-total-ccm-sent>
  <cfm-out-of-sequence-ccm-received>
    cfm-out-of-sequence-ccm-received
  </cfm-out-of-sequence-ccm-received>
  <cfm-lbm-sent>
    cfm-lbm-sent
  </cfm-lbm-sent>
  <cfm-lbr-sent>
    cfm-lbr-sent
  </cfm-lbr-sent>
  <cfm-lbr-received>
    cfm-lbr-received
  </cfm-lbr-received>
  <cfm-lbr-received-out-of-order>
    cfm-lbr-received-out-of-order
  </cfm-lbr-received-out-of-order>
  <cfm-lbr-bad-msdu>
    cfm-lbr-bad-msdu
  </cfm-lbr-bad-msdu>
  <cfm-total-ltm-sent>
    cfm-total-ltm-sent
  </cfm-total-ltm-sent>
  <cfm-total-ltm-received>
    cfm-total-ltm-received
  </cfm-total-ltm-received>
  <cfm-total-ltr-sent>
    cfm-total-ltr-sent
  </cfm-total-ltr-sent>
  <cfm-total-ltr-received>
    cfm-total-ltr-received
  </cfm-total-ltr-received>
  <cfm-next-ltm-sequence-number>
    cfm-next-ltm-sequence-number
  </cfm-next-ltm-sequence-number>
  <cfm-onedm-sent>
    cfm-onedm-sent
  </cfm-onedm-sent>
  <cfm-onedm-received>
    cfm-onedm-received
  </cfm-onedm-received>
  <cfm-onedm-received-invalid>
    cfm-onedm-received-invalid
  </cfm-onedm-received-invalid>
  <cfm-onedm-received-outofsync>
    cfm-onedm-received-outofsync
  </cfm-onedm-received-outofsync>
  <cfm-dmm-sent>
    cfm-dmm-sent
  </cfm-dmm-sent>
  <cfm-dmm-received>
    cfm-dmm-received
  </cfm-dmm-received>
  <cfm-dmm-received-invalid>
```

```

    cfm-dmm-received-invalid
  </cfm-dmm-received-invalid>
  <cfm-dmr-sent>
    cfm-dmr-sent
  </cfm-dmr-sent>
  <cfm-dmr-received>
    cfm-dmr-received
  </cfm-dmr-received>
  <cfm-dmr-received-invalid>
    cfm-dmr-received-invalid
  </cfm-dmr-received-invalid>
  <cfm-lmm-sent>
    cfm-lmm-sent
  </cfm-lmm-sent>
  <cfm-lmm-received>
    cfm-lmm-received
  </cfm-lmm-received>
  <cfm-lmm-received-invalid>
    cfm-lmm-received-invalid
  </cfm-lmm-received-invalid>
  <cfm-lmr-sent>
    cfm-lmr-sent
  </cfm-lmr-sent>
  <cfm-lmr-received>
    cfm-lmr-received
  </cfm-lmr-received>
  <cfm-lmr-received-invalid>
    cfm-lmr-received-invalid
  </cfm-lmr-received-invalid>
</cfm-local-mep-packet-statistics>
</cfm-entry>
</cfm-delay-statistics>

```

## Description

### <cfm-local-mep-packet-statistics>

#### Usage

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-local-mep-packet-statistics>
      <cfm-total-ccm-sent>
        cfm-total-ccm-sent
      </cfm-total-ccm-sent>
      <cfm-out-of-sequence-ccm-received>
        cfm-out-of-sequence-ccm-received
      </cfm-out-of-sequence-ccm-received>
      <cfm-lbm-sent>
        cfm-lbm-sent
      </cfm-lbm-sent>
      <cfm-lbr-sent>
        cfm-lbr-sent
      </cfm-lbr-sent>
      <cfm-lbr-received>
        cfm-lbr-received
    
```

```
</cfm-lbr-received>
<cfm-lbr-received-out-of-order>
  cfm-lbr-received-out-of-order
</cfm-lbr-received-out-of-order>
<cfm-lbr-bad-msdu>
  cfm-lbr-bad-msdu
</cfm-lbr-bad-msdu>
<cfm-total-ltm-sent>
  cfm-total-ltm-sent
</cfm-total-ltm-sent>
<cfm-total-ltm-received>
  cfm-total-ltm-received
</cfm-total-ltm-received>
<cfm-total-ltr-sent>
  cfm-total-ltr-sent
</cfm-total-ltr-sent>
<cfm-total-ltr-received>
  cfm-total-ltr-received
</cfm-total-ltr-received>
<cfm-next-ltm-sequence-number>
  cfm-next-ltm-sequence-number
</cfm-next-ltm-sequence-number>
<cfm-onedm-sent>
  cfm-onedm-sent
</cfm-onedm-sent>
<cfm-onedm-received>
  cfm-onedm-received
</cfm-onedm-received>
<cfm-onedm-received-invalid>
  cfm-onedm-received-invalid
</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
<cfm-lmm-sent>
  cfm-lmm-sent
</cfm-lmm-sent>
<cfm-lmm-received>
```



```

    cfm-lmm-received
  </cfm-lmm-received>
  <cfm-lmm-received-invalid>
    cfm-lmm-received-invalid
  </cfm-lmm-received-invalid>
  <cfm-lmr-sent>
    cfm-lmr-sent
  </cfm-lmr-sent>
  <cfm-lmr-received>
    cfm-lmr-received
  </cfm-lmr-received>
  <cfm-lmr-received-invalid>
    cfm-lmr-received-invalid
  </cfm-lmr-received-invalid>
</cfm-local-mep-packet-statistics>
</cfm-entry>
</cfm-loss-statistics>

```

## Description

### <cfm-local-mep-packet-statistics>

#### Usage

```

<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-local-mep-packet-statistics>
      <cfm-total-ccm-sent>
        cfm-total-ccm-sent
      </cfm-total-ccm-sent>
      <cfm-out-of-sequence-ccm-received>
        cfm-out-of-sequence-ccm-received
      </cfm-out-of-sequence-ccm-received>
      <cfm-lbm-sent>
        cfm-lbm-sent
      </cfm-lbm-sent>
      <cfm-lbr-sent>
        cfm-lbr-sent
      </cfm-lbr-sent>
      <cfm-lbr-received>
        cfm-lbr-received
      </cfm-lbr-received>
      <cfm-lbr-received-out-of-order>
        cfm-lbr-received-out-of-order
      </cfm-lbr-received-out-of-order>
      <cfm-lbr-bad-msdu>
        cfm-lbr-bad-msdu
      </cfm-lbr-bad-msdu>
      <cfm-total-ltm-sent>
        cfm-total-ltm-sent
      </cfm-total-ltm-sent>
      <cfm-total-ltm-received>
        cfm-total-ltm-received
      </cfm-total-ltm-received>
      <cfm-total-ltr-sent>
        cfm-total-ltr-sent

```

```
</cfm-total-ltr-sent>
<cfm-total-ltr-received>
  cfm-total-ltr-received
</cfm-total-ltr-received>
<cfm-next-ltm-sequence-number>
  cfm-next-ltm-sequence-number
</cfm-next-ltm-sequence-number>
<cfm-onedm-sent>
  cfm-onedm-sent
</cfm-onedm-sent>
<cfm-onedm-received>
  cfm-onedm-received
</cfm-onedm-received>
<cfm-onedm-received-invalid>
  cfm-onedm-received-invalid
</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
<cfm-lmm-sent>
  cfm-lmm-sent
</cfm-lmm-sent>
<cfm-lmm-received>
  cfm-lmm-received
</cfm-lmm-received>
<cfm-lmm-received-invalid>
  cfm-lmm-received-invalid
</cfm-lmm-received-invalid>
<cfm-lmr-sent>
  cfm-lmr-sent
</cfm-lmr-sent>
<cfm-lmr-received>
  cfm-lmr-received
</cfm-lmr-received>
<cfm-lmr-received-invalid>
  cfm-lmr-received-invalid
</cfm-lmr-received-invalid>
</cfm-local-mep-packet-statistics>
```

```

    </cfm-entry>
  </cfm-iterator-statistics>

```

## Description

### <cfm-local-mep-statistics>

#### Usage

```

<cfm-entry>
  <cfm-local-mep-statistics>
    <cfm-total-ccm-sent>
      cfm-total-ccm-sent
    </cfm-total-ccm-sent>
    <cfm-out-of-sequence-ccm-received>
      cfm-out-of-sequence-ccm-received
    </cfm-out-of-sequence-ccm-received>
    <cfm-lbm-sent>
      cfm-lbm-sent
    </cfm-lbm-sent>
    <cfm-lbr-sent>
      cfm-lbr-sent
    </cfm-lbr-sent>
    <cfm-lbr-received>
      cfm-lbr-received
    </cfm-lbr-received>
    <cfm-lbr-received-out-of-order>
      cfm-lbr-received-out-of-order
    </cfm-lbr-received-out-of-order>
    <cfm-lbr-bad-msdu>
      cfm-lbr-bad-msdu
    </cfm-lbr-bad-msdu>
    <cfm-total-ltm-sent>
      cfm-total-ltm-sent
    </cfm-total-ltm-sent>
    <cfm-total-ltm-received>
      cfm-total-ltm-received
    </cfm-total-ltm-received>
    <cfm-total-ltr-sent>
      cfm-total-ltr-sent
    </cfm-total-ltr-sent>
    <cfm-total-ltr-received>
      cfm-total-ltr-received
    </cfm-total-ltr-received>
    <cfm-next-ltm-sequence-number>
      cfm-next-ltm-sequence-number
    </cfm-next-ltm-sequence-number>
    <cfm-onedm-sent>
      cfm-onedm-sent
    </cfm-onedm-sent>
    <cfm-onedm-received>
      cfm-onedm-received
    </cfm-onedm-received>
    <cfm-onedm-received-invalid>
      cfm-onedm-received-invalid
    </cfm-onedm-received-invalid>
  </cfm-local-mep-statistics>
</cfm-entry>

```

```
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
<cfm-lmm-sent>
  cfm-lmm-sent
</cfm-lmm-sent>
<cfm-lmm-received>
  cfm-lmm-received
</cfm-lmm-received>
<cfm-lmm-received-invalid>
  cfm-lmm-received-invalid
</cfm-lmm-received-invalid>
<cfm-lmr-sent>
  cfm-lmr-sent
</cfm-lmr-sent>
<cfm-lmr-received>
  cfm-lmr-received
</cfm-lmr-received>
<cfm-lmr-received-invalid>
  cfm-lmr-received-invalid
</cfm-lmr-received-invalid>
</cfm-local-mep-statistics>
</cfm-entry>
```

#### Description

#### <cfm-local-mep-statistics>

##### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-local-mep-statistics>
      <cfm-total-ccm-sent>
        cfm-total-ccm-sent
      </cfm-total-ccm-sent>
      <cfm-out-of-sequence-ccm-received>
        cfm-out-of-sequence-ccm-received
      </cfm-out-of-sequence-ccm-received>
    </cfm-local-mep-statistics>
  </cfm-entry>
</cfm-interface>
```

```
</cfm-out-of-sequence-ccm-received>
<cfm-lbm-sent>
  cfm-lbm-sent
</cfm-lbm-sent>
<cfm-lbr-sent>
  cfm-lbr-sent
</cfm-lbr-sent>
<cfm-lbr-received>
  cfm-lbr-received
</cfm-lbr-received>
<cfm-lbr-received-out-of-order>
  cfm-lbr-received-out-of-order
</cfm-lbr-received-out-of-order>
<cfm-lbr-bad-msdu>
  cfm-lbr-bad-msdu
</cfm-lbr-bad-msdu>
<cfm-total-ltm-sent>
  cfm-total-ltm-sent
</cfm-total-ltm-sent>
<cfm-total-ltm-received>
  cfm-total-ltm-received
</cfm-total-ltm-received>
<cfm-total-ltr-sent>
  cfm-total-ltr-sent
</cfm-total-ltr-sent>
<cfm-total-ltr-received>
  cfm-total-ltr-received
</cfm-total-ltr-received>
<cfm-next-ltm-sequence-number>
  cfm-next-ltm-sequence-number
</cfm-next-ltm-sequence-number>
<cfm-onedm-sent>
  cfm-onedm-sent
</cfm-onedm-sent>
<cfm-onedm-received>
  cfm-onedm-received
</cfm-onedm-received>
<cfm-onedm-received-invalid>
  cfm-onedm-received-invalid
</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
```

```
    cfm-dmr-received
  </cfm-dmr-received>
  <cfm-dmr-received-invalid>
    cfm-dmr-received-invalid
  </cfm-dmr-received-invalid>
  <cfm-lmm-sent>
    cfm-lmm-sent
  </cfm-lmm-sent>
  <cfm-lmm-received>
    cfm-lmm-received
  </cfm-lmm-received>
  <cfm-lmm-received-invalid>
    cfm-lmm-received-invalid
  </cfm-lmm-received-invalid>
  <cfm-lmr-sent>
    cfm-lmr-sent
  </cfm-lmr-sent>
  <cfm-lmr-received>
    cfm-lmr-received
  </cfm-lmr-received>
  <cfm-lmr-received-invalid>
    cfm-lmr-received-invalid
  </cfm-lmr-received-invalid>
</cfm-local-mep-statistics>
</cfm-entry>
</cfm-interface>
```

## Description

### <cfm-local-mep-statistics>

#### Usage

```
<cfm-mep-database>
<cfm-entry>
  <cfm-local-mep-statistics>
    <cfm-total-ccm-sent>
      cfm-total-ccm-sent
    </cfm-total-ccm-sent>
    <cfm-out-of-sequence-ccm-received>
      cfm-out-of-sequence-ccm-received
    </cfm-out-of-sequence-ccm-received>
    <cfm-lbm-sent>
      cfm-lbm-sent
    </cfm-lbm-sent>
    <cfm-lbr-sent>
      cfm-lbr-sent
    </cfm-lbr-sent>
    <cfm-lbr-received>
      cfm-lbr-received
    </cfm-lbr-received>
    <cfm-lbr-received-out-of-order>
      cfm-lbr-received-out-of-order
    </cfm-lbr-received-out-of-order>
    <cfm-lbr-bad-msdu>
      cfm-lbr-bad-msdu
```

```
</cfm-lbr-bad-msdu>
<cfm-total-ltm-sent>
  cfm-total-ltm-sent
</cfm-total-ltm-sent>
<cfm-total-ltm-received>
  cfm-total-ltm-received
</cfm-total-ltm-received>
<cfm-total-ltr-sent>
  cfm-total-ltr-sent
</cfm-total-ltr-sent>
<cfm-total-ltr-received>
  cfm-total-ltr-received
</cfm-total-ltr-received>
<cfm-next-ltm-sequence-number>
  cfm-next-ltm-sequence-number
</cfm-next-ltm-sequence-number>
<cfm-onedm-sent>
  cfm-onedm-sent
</cfm-onedm-sent>
<cfm-onedm-received>
  cfm-onedm-received
</cfm-onedm-received>
<cfm-onedm-received-invalid>
  cfm-onedm-received-invalid
</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
<cfm-lmm-sent>
  cfm-lmm-sent
</cfm-lmm-sent>
<cfm-lmm-received>
  cfm-lmm-received
</cfm-lmm-received>
<cfm-lmm-received-invalid>
  cfm-lmm-received-invalid
</cfm-lmm-received-invalid>
<cfm-lmr-sent>
```

```
    cfm-lmr-sent
  </cfm-lmr-sent>
  <cfm-lmr-received>
    cfm-lmr-received
  </cfm-lmr-received>
  <cfm-lmr-received-invalid>
    cfm-lmr-received-invalid
  </cfm-lmr-received-invalid>
</cfm-local-mep-statistics>
</cfm-entry>
</cfm-mep-database>
```

## Description

### <cfm-local-mep-statistics>

#### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-local-mep-statistics>
      <cfm-total-ccm-sent>
        cfm-total-ccm-sent
      </cfm-total-ccm-sent>
      <cfm-out-of-sequence-ccm-received>
        cfm-out-of-sequence-ccm-received
      </cfm-out-of-sequence-ccm-received>
      <cfm-lbm-sent>
        cfm-lbm-sent
      </cfm-lbm-sent>
      <cfm-lbr-sent>
        cfm-lbr-sent
      </cfm-lbr-sent>
      <cfm-lbr-received>
        cfm-lbr-received
      </cfm-lbr-received>
      <cfm-lbr-received-out-of-order>
        cfm-lbr-received-out-of-order
      </cfm-lbr-received-out-of-order>
      <cfm-lbr-bad-msdu>
        cfm-lbr-bad-msdu
      </cfm-lbr-bad-msdu>
      <cfm-total-ltm-sent>
        cfm-total-ltm-sent
      </cfm-total-ltm-sent>
      <cfm-total-ltm-received>
        cfm-total-ltm-received
      </cfm-total-ltm-received>
      <cfm-total-ltr-sent>
        cfm-total-ltr-sent
      </cfm-total-ltr-sent>
      <cfm-total-ltr-received>
        cfm-total-ltr-received
      </cfm-total-ltr-received>
      <cfm-next-ltm-sequence-number>
        cfm-next-ltm-sequence-number
```



```

</cfm-next-ltm-sequence-number>
<cfm-onedm-sent>
  cfm-onedm-sent
</cfm-onedm-sent>
<cfm-onedm-received>
  cfm-onedm-received
</cfm-onedm-received>
<cfm-onedm-received-invalid>
  cfm-onedm-received-invalid
</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
<cfm-lmm-sent>
  cfm-lmm-sent
</cfm-lmm-sent>
<cfm-lmm-received>
  cfm-lmm-received
</cfm-lmm-received>
<cfm-lmm-received-invalid>
  cfm-lmm-received-invalid
</cfm-lmm-received-invalid>
<cfm-lmr-sent>
  cfm-lmr-sent
</cfm-lmr-sent>
<cfm-lmr-received>
  cfm-lmr-received
</cfm-lmr-received>
<cfm-lmr-received-invalid>
  cfm-lmr-received-invalid
</cfm-lmr-received-invalid>
</cfm-local-mep-statistics>
</cfm-entry>
</cfm-mep-statistics>

```

## Description

## &lt;cfm-local-mep-statistics&gt;

## Usage

```
<cfm-delay-statistics>
<cfm-entry>
  <cfm-local-mep-statistics>
    <cfm-total-ccm-sent>
      cfm-total-ccm-sent
    </cfm-total-ccm-sent>
    <cfm-out-of-sequence-ccm-received>
      cfm-out-of-sequence-ccm-received
    </cfm-out-of-sequence-ccm-received>
    <cfm-lbm-sent>
      cfm-lbm-sent
    </cfm-lbm-sent>
    <cfm-lbr-sent>
      cfm-lbr-sent
    </cfm-lbr-sent>
    <cfm-lbr-received>
      cfm-lbr-received
    </cfm-lbr-received>
    <cfm-lbr-received-out-of-order>
      cfm-lbr-received-out-of-order
    </cfm-lbr-received-out-of-order>
    <cfm-lbr-bad-msdu>
      cfm-lbr-bad-msdu
    </cfm-lbr-bad-msdu>
    <cfm-total-ltm-sent>
      cfm-total-ltm-sent
    </cfm-total-ltm-sent>
    <cfm-total-ltm-received>
      cfm-total-ltm-received
    </cfm-total-ltm-received>
    <cfm-total-ltr-sent>
      cfm-total-ltr-sent
    </cfm-total-ltr-sent>
    <cfm-total-ltr-received>
      cfm-total-ltr-received
    </cfm-total-ltr-received>
    <cfm-next-ltm-sequence-number>
      cfm-next-ltm-sequence-number
    </cfm-next-ltm-sequence-number>
    <cfm-onedm-sent>
      cfm-onedm-sent
    </cfm-onedm-sent>
    <cfm-onedm-received>
      cfm-onedm-received
    </cfm-onedm-received>
    <cfm-onedm-received-invalid>
      cfm-onedm-received-invalid
    </cfm-onedm-received-invalid>
    <cfm-onedm-received-outofsync>
      cfm-onedm-received-outofsync
    </cfm-onedm-received-outofsync>
    <cfm-dmm-sent>
```

```

    cfm-dmm-sent
  </cfm-dmm-sent>
  <cfm-dmm-received>
    cfm-dmm-received
  </cfm-dmm-received>
  <cfm-dmm-received-invalid>
    cfm-dmm-received-invalid
  </cfm-dmm-received-invalid>
  <cfm-dmr-sent>
    cfm-dmr-sent
  </cfm-dmr-sent>
  <cfm-dmr-received>
    cfm-dmr-received
  </cfm-dmr-received>
  <cfm-dmr-received-invalid>
    cfm-dmr-received-invalid
  </cfm-dmr-received-invalid>
  <cfm-lmm-sent>
    cfm-lmm-sent
  </cfm-lmm-sent>
  <cfm-lmm-received>
    cfm-lmm-received
  </cfm-lmm-received>
  <cfm-lmm-received-invalid>
    cfm-lmm-received-invalid
  </cfm-lmm-received-invalid>
  <cfm-lmr-sent>
    cfm-lmr-sent
  </cfm-lmr-sent>
  <cfm-lmr-received>
    cfm-lmr-received
  </cfm-lmr-received>
  <cfm-lmr-received-invalid>
    cfm-lmr-received-invalid
  </cfm-lmr-received-invalid>
</cfm-local-mep-statistics>
</cfm-entry>
</cfm-delay-statistics>

```

## Description

### <cfm-local-mep-statistics>

#### Usage

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-local-mep-statistics>
      <cfm-total-ccm-sent>
        cfm-total-ccm-sent
      </cfm-total-ccm-sent>
      <cfm-out-of-sequence-ccm-received>
        cfm-out-of-sequence-ccm-received
      </cfm-out-of-sequence-ccm-received>
      <cfm-lbm-sent>
        cfm-lbm-sent

```

```
</cfm-lbm-sent>
<cfm-lbr-sent>
  cfm-lbr-sent
</cfm-lbr-sent>
<cfm-lbr-received>
  cfm-lbr-received
</cfm-lbr-received>
<cfm-lbr-received-out-of-order>
  cfm-lbr-received-out-of-order
</cfm-lbr-received-out-of-order>
<cfm-lbr-bad-msdu>
  cfm-lbr-bad-msdu
</cfm-lbr-bad-msdu>
<cfm-total-ltm-sent>
  cfm-total-ltm-sent
</cfm-total-ltm-sent>
<cfm-total-ltm-received>
  cfm-total-ltm-received
</cfm-total-ltm-received>
<cfm-total-ltr-sent>
  cfm-total-ltr-sent
</cfm-total-ltr-sent>
<cfm-total-ltr-received>
  cfm-total-ltr-received
</cfm-total-ltr-received>
<cfm-next-ltm-sequence-number>
  cfm-next-ltm-sequence-number
</cfm-next-ltm-sequence-number>
<cfm-onedm-sent>
  cfm-onedm-sent
</cfm-onedm-sent>
<cfm-onedm-received>
  cfm-onedm-received
</cfm-onedm-received>
<cfm-onedm-received-invalid>
  cfm-onedm-received-invalid
</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
```

```

    cfm-dmr-received-invalid
  </cfm-dmr-received-invalid>
  <cfm-lmm-sent>
    cfm-lmm-sent
  </cfm-lmm-sent>
  <cfm-lmm-received>
    cfm-lmm-received
  </cfm-lmm-received>
  <cfm-lmm-received-invalid>
    cfm-lmm-received-invalid
  </cfm-lmm-received-invalid>
  <cfm-lmr-sent>
    cfm-lmr-sent
  </cfm-lmr-sent>
  <cfm-lmr-received>
    cfm-lmr-received
  </cfm-lmr-received>
  <cfm-lmr-received-invalid>
    cfm-lmr-received-invalid
  </cfm-lmr-received-invalid>
</cfm-local-mep-statistics>
</cfm-entry>
</cfm-loss-statistics>

```

## Description

### <cfm-local-mep-statistics>

#### Usage

```

<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-local-mep-statistics>
      <cfm-total-ccm-sent>
        cfm-total-ccm-sent
      </cfm-total-ccm-sent>
      <cfm-out-of-sequence-ccm-received>
        cfm-out-of-sequence-ccm-received
      </cfm-out-of-sequence-ccm-received>
      <cfm-lbm-sent>
        cfm-lbm-sent
      </cfm-lbm-sent>
      <cfm-lbr-sent>
        cfm-lbr-sent
      </cfm-lbr-sent>
      <cfm-lbr-received>
        cfm-lbr-received
      </cfm-lbr-received>
      <cfm-lbr-received-out-of-order>
        cfm-lbr-received-out-of-order
      </cfm-lbr-received-out-of-order>
      <cfm-lbr-bad-msdu>
        cfm-lbr-bad-msdu
      </cfm-lbr-bad-msdu>
      <cfm-total-ltm-sent>
        cfm-total-ltm-sent

```

```
</cfm-total-ltm-sent>
<cfm-total-ltm-received>
  cfm-total-ltm-received
</cfm-total-ltm-received>
<cfm-total-ltr-sent>
  cfm-total-ltr-sent
</cfm-total-ltr-sent>
<cfm-total-ltr-received>
  cfm-total-ltr-received
</cfm-total-ltr-received>
<cfm-next-ltm-sequence-number>
  cfm-next-ltm-sequence-number
</cfm-next-ltm-sequence-number>
<cfm-onedm-sent>
  cfm-onedm-sent
</cfm-onedm-sent>
<cfm-onedm-received>
  cfm-onedm-received
</cfm-onedm-received>
<cfm-onedm-received-invalid>
  cfm-onedm-received-invalid
</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
<cfm-lmm-sent>
  cfm-lmm-sent
</cfm-lmm-sent>
<cfm-lmm-received>
  cfm-lmm-received
</cfm-lmm-received>
<cfm-lmm-received-invalid>
  cfm-lmm-received-invalid
</cfm-lmm-received-invalid>
<cfm-lmr-sent>
  cfm-lmr-sent
</cfm-lmr-sent>
<cfm-lmr-received>
```

```

    cfm-lmr-received
  </cfm-lmr-received>
  <cfm-lmr-received-invalid>
    cfm-lmr-received-invalid
  </cfm-lmr-received-invalid>
</cfm-local-mep-statistics>
</cfm-entry>
</cfm-iterator-statistics>

```

**Description****<cfm-loss-statistics>****Usage**

```

<cfm-loss-statistics>
  <cfm-entry>....</cfm-entry>
</cfm-loss-statistics>

```

**Description** Information about ethernet loss statistics for one or more CFM sessions

**<cfm-ltm-request-snapshot>****Usage**

```

<cfm-ltm-request-snapshot>
  <cfm-interface-name>
    cfm-interface-name
  </cfm-interface-name>
  <cfm-level>
    cfm-level
  </cfm-level>
  <cfm-maintenance-domain-name>
    cfm-maintenance-domain-name
  </cfm-maintenance-domain-name>
  <cfm-maintenance-association-name>
    cfm-maintenance-association-name
  </cfm-maintenance-association-name>
  <cfm-local-mep-identifier>
    cfm-local-mep-identifier
  </cfm-local-mep-identifier>
  <cfm-ltm-target-mac-address>
    cfm-ltm-target-mac-address
  </cfm-ltm-target-mac-address>
</cfm-ltm-request-snapshot>

```

**Description****<cfm-ltm-request-snapshot>****Usage**

```

<cfm-linktrace-path-database>
  <cfm-ltm-request-snapshot>
    <cfm-interface-name>

```

```
    cfm-interface-name
  </cfm-interface-name>
  <cfm-level>
    cfm-level
  </cfm-level>
  <cfm-maintenance-domain-name>
    cfm-maintenance-domain-name
  </cfm-maintenance-domain-name>
  <cfm-maintenance-association-name>
    cfm-maintenance-association-name
  </cfm-maintenance-association-name>
  <cfm-local-mep-identifier>
    cfm-local-mep-identifier
  </cfm-local-mep-identifier>
  <cfm-ltm-target-mac-address>
    cfm-ltm-target-mac-address
  </cfm-ltm-target-mac-address>
  </cfm-ltm-request-snapshot>
</cfm-linktrace-path-database>
```

#### Description

### <cfm-ltr-reply-entry>

#### Usage

```
<cfm-ltr-reply-entry>
  <cfm-ltm-transaction-identifier>
    cfm-ltm-transaction-identifier
  </cfm-ltm-transaction-identifier>
  <cfm-ltr-request-hop-identifier>
    cfm-ltr-request-hop-identifier
  </cfm-ltr-request-hop-identifier>
  <cfm-ltr-reply-ttl>
    cfm-ltr-reply-ttl
  </cfm-ltr-reply-ttl>
  <cfm-ltr-mep-mip-mac-address>
    cfm-ltr-mep-mip-mac-address
  </cfm-ltr-mep-mip-mac-address>
  <cfm-ltr-next-hop-mac-address>
    cfm-ltr-next-hop-mac-address
  </cfm-ltr-next-hop-mac-address>
</cfm-ltr-reply-entry>
```

#### Description

### <cfm-ltr-reply-entry>

#### Usage

```
<cfm-linktrace-path-database>
  <cfm-ltr-reply-entry>
    <cfm-ltm-transaction-identifier>
      cfm-ltm-transaction-identifier
    </cfm-ltm-transaction-identifier>
    <cfm-ltr-request-hop-identifier>
```



```

    cfm-ltr-request-hop-identifier
  </cfm-ltr-request-hop-identifier>
  <cfm-ltr-reply-ttl>
    cfm-ltr-reply-ttl
  </cfm-ltr-reply-ttl>
  <cfm-ltr-mep-mip-mac-address>
    cfm-ltr-mep-mip-mac-address
  </cfm-ltr-mep-mip-mac-address>
  <cfm-ltr-next-hop-mac-address>
    cfm-ltr-next-hop-mac-address
  </cfm-ltr-next-hop-mac-address>
</cfm-ltr-reply-entry>
</cfm-linktrace-path-database>

```

**Description****<cfm-mep-database>****Usage**

```

<cfm-mep-database>
  <cfm-entry>....</cfm-entry>
</cfm-mep-database>

```

**Description** Information about MEP database for one or more CFM sessions

**<cfm-mep-database-continuity-check>****Usage**

```

<cfm-entry>
  <cfm-mep-database-continuity-check>
    <cfm-continuity-check-status>
      cfm-continuity-check-status
    </cfm-continuity-check-status>
    <cfm-continuity-check-interval>
      cfm-continuity-check-interval
    </cfm-continuity-check-interval>
    <cfm-continuity-check-loss-threshold>
      cfm-continuity-check-loss-threshold
    </cfm-continuity-check-loss-threshold>
  </cfm-mep-database-continuity-check>
</cfm-entry>

```

**Description****<cfm-mep-database-continuity-check>****Usage**

```

<cfm-interface>
  <cfm-entry>
    <cfm-mep-database-continuity-check>
      <cfm-continuity-check-status>
        cfm-continuity-check-status

```

```
</cfm-continuity-check-status>
<cfm-continuity-check-interval>
  cfm-continuity-check-interval
</cfm-continuity-check-interval>
<cfm-continuity-check-loss-threshold>
  cfm-continuity-check-loss-threshold
</cfm-continuity-check-loss-threshold>
</cfm-mep-database-continuity-check>
</cfm-entry>
</cfm-interface>
```

#### Description

### <cfm-mep-database-continuity-check>

#### Usage

```
<cfm-mep-database>
<cfm-entry>
  <cfm-mep-database-continuity-check>
    <cfm-continuity-check-status>
      cfm-continuity-check-status
    </cfm-continuity-check-status>
    <cfm-continuity-check-interval>
      cfm-continuity-check-interval
    </cfm-continuity-check-interval>
    <cfm-continuity-check-loss-threshold>
      cfm-continuity-check-loss-threshold
    </cfm-continuity-check-loss-threshold>
  </cfm-mep-database-continuity-check>
</cfm-entry>
</cfm-mep-database>
```

#### Description

### <cfm-mep-database-continuity-check>

#### Usage

```
<cfm-mep-statistics>
<cfm-entry>
  <cfm-mep-database-continuity-check>
    <cfm-continuity-check-status>
      cfm-continuity-check-status
    </cfm-continuity-check-status>
    <cfm-continuity-check-interval>
      cfm-continuity-check-interval
    </cfm-continuity-check-interval>
    <cfm-continuity-check-loss-threshold>
      cfm-continuity-check-loss-threshold
    </cfm-continuity-check-loss-threshold>
  </cfm-mep-database-continuity-check>
</cfm-entry>
</cfm-mep-statistics>
```

### Description

#### <cfm-mep-database-continuity-check>

##### Usage

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-mep-database-continuity-check>
      <cfm-continuity-check-status>
        cfm-continuity-check-status
      </cfm-continuity-check-status>
      <cfm-continuity-check-interval>
        cfm-continuity-check-interval
      </cfm-continuity-check-interval>
      <cfm-continuity-check-loss-threshold>
        cfm-continuity-check-loss-threshold
      </cfm-continuity-check-loss-threshold>
    </cfm-mep-database-continuity-check>
  </cfm-entry>
</cfm-delay-statistics>
```

### Description

#### <cfm-mep-database-continuity-check>

##### Usage

```
<cfm-loss-statistics>
  <cfm-entry>
    <cfm-mep-database-continuity-check>
      <cfm-continuity-check-status>
        cfm-continuity-check-status
      </cfm-continuity-check-status>
      <cfm-continuity-check-interval>
        cfm-continuity-check-interval
      </cfm-continuity-check-interval>
      <cfm-continuity-check-loss-threshold>
        cfm-continuity-check-loss-threshold
      </cfm-continuity-check-loss-threshold>
    </cfm-mep-database-continuity-check>
  </cfm-entry>
</cfm-loss-statistics>
```

### Description

#### <cfm-mep-database-continuity-check>

##### Usage

```
<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-mep-database-continuity-check>
      <cfm-continuity-check-status>
        cfm-continuity-check-status
      </cfm-continuity-check-status>
      <cfm-continuity-check-interval>
```

```
    cfm-continuity-check-interval
  </cfm-continuity-check-interval>
  <cfm-continuity-check-loss-threshold>
    cfm-continuity-check-loss-threshold
  </cfm-continuity-check-loss-threshold>
</cfm-mep-database-continuity-check>
</cfm-entry>
</cfm-iterator-statistics>
```

#### Description

### <cfm-mep-database-interface>

#### Usage

```
<cfm-entry>
  <cfm-mep-database-interface>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-status>
      cfm-interface-status
    </cfm-interface-status>
    <cfm-interface-link-status>
      cfm-interface-link-status
    </cfm-interface-link-status>
  </cfm-mep-database-interface>
</cfm-entry>
```

#### Description

### <cfm-mep-database-interface>

#### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-mep-database-interface>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-status>
        cfm-interface-status
      </cfm-interface-status>
      <cfm-interface-link-status>
        cfm-interface-link-status
      </cfm-interface-link-status>
    </cfm-mep-database-interface>
  </cfm-entry>
</cfm-interface>
```

#### Description

## <cfm-mep-database-interface>

### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-mep-database-interface>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-status>
        cfm-interface-status
      </cfm-interface-status>
      <cfm-interface-link-status>
        cfm-interface-link-status
      </cfm-interface-link-status>
    </cfm-mep-database-interface>
  </cfm-entry>
</cfm-mep-database>
```

### Description

## <cfm-mep-database-interface>

### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-mep-database-interface>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-status>
        cfm-interface-status
      </cfm-interface-status>
      <cfm-interface-link-status>
        cfm-interface-link-status
      </cfm-interface-link-status>
    </cfm-mep-database-interface>
  </cfm-entry>
</cfm-mep-statistics>
```

### Description

## <cfm-mep-database-interface>

### Usage

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-mep-database-interface>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-status>
        cfm-interface-status
```

```
</cfm-interface-status>
<cfm-interface-link-status>
  cfm-interface-link-status
</cfm-interface-link-status>
</cfm-mep-database-interface>
</cfm-entry>
</cfm-delay-statistics>
```

#### Description

### <cfm-mep-database-interface>

#### Usage

```
<cfm-loss-statistics>
<cfm-entry>
  <cfm-mep-database-interface>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-status>
      cfm-interface-status
    </cfm-interface-status>
    <cfm-interface-link-status>
      cfm-interface-link-status
    </cfm-interface-link-status>
  </cfm-mep-database-interface>
</cfm-entry>
</cfm-loss-statistics>
```

#### Description

### <cfm-mep-database-interface>

#### Usage

```
<cfm-iterator-statistics>
<cfm-entry>
  <cfm-mep-database-interface>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-status>
      cfm-interface-status
    </cfm-interface-status>
    <cfm-interface-link-status>
      cfm-interface-link-status
    </cfm-interface-link-status>
  </cfm-mep-database-interface>
</cfm-entry>
</cfm-iterator-statistics>
```

#### Description

## <cfm-mep-database-session>

### Usage

```

<cfm-entry>
  <cfm-mep-database-session>
    <cfm-maintenance-domain-name>
      cfm-maintenance-domain-name
    </cfm-maintenance-domain-name>
    <cfm-maintenance-domain-name-format>
      cfm-maintenance-domain-name-format
    </cfm-maintenance-domain-name-format>
    <cfm-level>
      cfm-level
    </cfm-level>
    <cfm-maintenance-association-name>
      cfm-maintenance-association-name
    </cfm-maintenance-association-name>
    <cfm-maintenance-association-name-format>
      cfm-maintenance-association-name-format
    </cfm-maintenance-association-name-format>
  </cfm-mep-database-session>
</cfm-entry>

```

### Description

## <cfm-mep-database-session>

### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-mep-database-session>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-domain-name-format>
        cfm-maintenance-domain-name-format
      </cfm-maintenance-domain-name-format>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-maintenance-association-name-format>
        cfm-maintenance-association-name-format
      </cfm-maintenance-association-name-format>
    </cfm-mep-database-session>
  </cfm-entry>
</cfm-interface>

```

### Description

## <cfm-mep-database-session>

### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-mep-database-session>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-domain-name-format>
        cfm-maintenance-domain-name-format
      </cfm-maintenance-domain-name-format>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-maintenance-association-name-format>
        cfm-maintenance-association-name-format
      </cfm-maintenance-association-name-format>
    </cfm-mep-database-session>
  </cfm-entry>
</cfm-mep-database>
```

### Description

## <cfm-mep-database-session>

### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-mep-database-session>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-domain-name-format>
        cfm-maintenance-domain-name-format
      </cfm-maintenance-domain-name-format>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-maintenance-association-name-format>
        cfm-maintenance-association-name-format
      </cfm-maintenance-association-name-format>
    </cfm-mep-database-session>
  </cfm-entry>
</cfm-mep-statistics>
```

### Description



**<cfm-mep-database-session>****Usage**

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-mep-database-session>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-domain-name-format>
        cfm-maintenance-domain-name-format
      </cfm-maintenance-domain-name-format>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-maintenance-association-name-format>
        cfm-maintenance-association-name-format
      </cfm-maintenance-association-name-format>
    </cfm-mep-database-session>
  </cfm-entry>
</cfm-delay-statistics>

```

**Description****<cfm-mep-database-session>****Usage**

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-mep-database-session>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-domain-name-format>
        cfm-maintenance-domain-name-format
      </cfm-maintenance-domain-name-format>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-maintenance-association-name-format>
        cfm-maintenance-association-name-format
      </cfm-maintenance-association-name-format>
    </cfm-mep-database-session>
  </cfm-entry>
</cfm-loss-statistics>

```

**Description**

## <cfm-mep-database-session>

### Usage

```
<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-mep-database-session>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-domain-name-format>
        cfm-maintenance-domain-name-format
      </cfm-maintenance-domain-name-format>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-maintenance-association-name-format>
        cfm-maintenance-association-name-format
      </cfm-maintenance-association-name-format>
    </cfm-mep-database-session>
  </cfm-entry>
</cfm-iterator-statistics>
```

### Description

## <cfm-mep-statistics>

### Usage

```
<cfm-mep-statistics>
  <cfm-entry>....</cfm-entry>
</cfm-mep-statistics>
```

**Description** Information about MEP statistics for one or more CFM sessions

## <cfm-mep-statistics-mep-summary>

### Usage

```
<cfm-entry>
  <cfm-mep-statistics-mep-summary>
    <cfm-local-mep-identifier>
      cfm-local-mep-identifier
    </cfm-local-mep-identifier>
    <cfm-local-mep-mac-address>
      cfm-local-mep-mac-address
    </cfm-local-mep-mac-address>
    <cfm-remote-mep-count>
      cfm-remote-mep-count
    </cfm-remote-mep-count>
  </cfm-mep-statistics-mep-summary>
</cfm-entry>
```

**Description****<cfm-mep-statistics-mep-summary>****Usage**

```
<cfm-interface>
  <cfm-entry>
    <cfm-mep-statistics-mep-summary>
      <cfm-local-mep-identifier>
        cfm-local-mep-identifier
      </cfm-local-mep-identifier>
      <cfm-local-mep-mac-address>
        cfm-local-mep-mac-address
      </cfm-local-mep-mac-address>
      <cfm-remote-mep-count>
        cfm-remote-mep-count
      </cfm-remote-mep-count>
    </cfm-mep-statistics-mep-summary>
  </cfm-entry>
</cfm-interface>
```

**Description****<cfm-mep-statistics-mep-summary>****Usage**

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-mep-statistics-mep-summary>
      <cfm-local-mep-identifier>
        cfm-local-mep-identifier
      </cfm-local-mep-identifier>
      <cfm-local-mep-mac-address>
        cfm-local-mep-mac-address
      </cfm-local-mep-mac-address>
      <cfm-remote-mep-count>
        cfm-remote-mep-count
      </cfm-remote-mep-count>
    </cfm-mep-statistics-mep-summary>
  </cfm-entry>
</cfm-mep-database>
```

**Description****<cfm-mep-statistics-mep-summary>****Usage**

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-mep-statistics-mep-summary>
      <cfm-local-mep-identifier>
        cfm-local-mep-identifier
      </cfm-local-mep-identifier>
      <cfm-local-mep-mac-address>
```

```
    cfm-local-mep-mac-address
  </cfm-local-mep-mac-address>
  <cfm-remote-mep-count>
    cfm-remote-mep-count
  </cfm-remote-mep-count>
</cfm-mep-statistics-mep-summary>
</cfm-entry>
</cfm-mep-statistics>
```

#### Description

### <cfm-mep-statistics-mep-summary>

#### Usage

```
<cfm-delay-statistics>
<cfm-entry>
  <cfm-mep-statistics-mep-summary>
    <cfm-local-mep-identifier>
      cfm-local-mep-identifier
    </cfm-local-mep-identifier>
    <cfm-local-mep-mac-address>
      cfm-local-mep-mac-address
    </cfm-local-mep-mac-address>
    <cfm-remote-mep-count>
      cfm-remote-mep-count
    </cfm-remote-mep-count>
  </cfm-mep-statistics-mep-summary>
</cfm-entry>
</cfm-delay-statistics>
```

#### Description

### <cfm-mep-statistics-mep-summary>

#### Usage

```
<cfm-loss-statistics>
<cfm-entry>
  <cfm-mep-statistics-mep-summary>
    <cfm-local-mep-identifier>
      cfm-local-mep-identifier
    </cfm-local-mep-identifier>
    <cfm-local-mep-mac-address>
      cfm-local-mep-mac-address
    </cfm-local-mep-mac-address>
    <cfm-remote-mep-count>
      cfm-remote-mep-count
    </cfm-remote-mep-count>
  </cfm-mep-statistics-mep-summary>
</cfm-entry>
</cfm-loss-statistics>
```

#### Description

## <cfm-mep-statistics-mep-summary>

### Usage

```

<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-mep-statistics-mep-summary>
      <cfm-local-mep-identifier>
        cfm-local-mep-identifier
      </cfm-local-mep-identifier>
      <cfm-local-mep-mac-address>
        cfm-local-mep-mac-address
      </cfm-local-mep-mac-address>
      <cfm-remote-mep-count>
        cfm-remote-mep-count
      </cfm-remote-mep-count>
    </cfm-mep-statistics-mep-summary>
  </cfm-entry>
</cfm-iterator-statistics>

```

### Description

## <cfm-mip-information>

### Usage

```

<cfm-mip-information>
  <cfm-instance-mip-information>....</cfm-instance-mip-information>
</cfm-mip-information>

```

### Description

## <cfm-nexthop-information>

### Usage

```

<cfm-nexthop-information>
  <cfm-nexthop-index>
    cfm-nexthop-index
  </cfm-nexthop-index>
  <cfm-nexthop-type>
    cfm-nexthop-type
  </cfm-nexthop-type>
  <cfm-nexthop-last-operation>
    cfm-nexthop-last-operation
  </cfm-nexthop-last-operation>
  <cfm-nexthop-last-error>
    cfm-nexthop-last-error
  </cfm-nexthop-last-error>
  <cfm-nexthop-statistics>
    cfm-nexthop-statistics
  </cfm-nexthop-statistics>
  <cfm-nexthop-reference-count>
    cfm-nexthop-reference-count
  </cfm-nexthop-reference-count>
  <cfm-nexthop-owner>

```

```
    cfm-nexthop-owner
  </cfm-nexthop-owner>
  <cfm-level>
    cfm-level
  </cfm-level>
  <cfm-flood-nexthop-components>....</cfm-flood-nexthop-components>
</cfm-nexthop-information>
```

#### Description

### <cfm-policer>

#### Usage

```
<cfm-policer>
  <cfm-legend>
    cfm-legend
  </cfm-legend>
  <cfm-policer-sessions>....</cfm-policer-sessions>
</cfm-policer>
```

#### Description

### <cfm-policer-maintenance-association-entries>

#### Usage

```
<cfm-policer>
  <cfm-policer-sessions>
    <cfm-policer-session>
      <cfm-policer-maintenance-association-entries>

        <cfm-policer-maintenance-association-entry>....</cfm-policer-maintenance-association-entry>

      </cfm-policer-maintenance-association-entries>
    </cfm-policer-session>
  </cfm-policer-sessions>
</cfm-policer>
```

#### Description

### <cfm-policer-maintenance-association-entry>

#### Usage

```
<cfm-policer>
  <cfm-policer-sessions>
    <cfm-policer-session>
      <cfm-policer-maintenance-association-entries>
        <cfm-policer-maintenance-association-entry>
          <cfm-maintenance-association-name>
            cfm-maintenance-association-name
          </cfm-maintenance-association-name>
          <cfm-policer-name>
            cfm-policer-name
          </cfm-policer-name>
        </cfm-policer-maintenance-association-entry>
      </cfm-policer-maintenance-association-entries>
    </cfm-policer-session>
  </cfm-policer-sessions>
</cfm-policer>
```

```

    <cfm-policer-type>
      cfm-policer-type
    </cfm-policer-type>
    <cfm-policer-scope>
      cfm-policer-scope
    </cfm-policer-scope>
    <cfm-policer-drop-count>
      cfm-policer-drop-count
    </cfm-policer-drop-count>
  </cfm-policer-maintenance-association-entry>
</cfm-policer-maintenance-association-entries>
</cfm-policer-session>
</cfm-policer-sessions>
</cfm-policer>

```

### Description

## <cfm-policer-maintenance-domain-entry>

### Usage

```

<cfm-policer>
  <cfm-policer-sessions>
    <cfm-policer-session>
      <cfm-policer-maintenance-domain-entry>
        <cfm-maintenance-domain-name>
          cfm-maintenance-domain-name
        </cfm-maintenance-domain-name>
        <cfm-level>
          cfm-level
        </cfm-level>
      </cfm-policer-maintenance-domain-entry>
    </cfm-policer-session>
  </cfm-policer-sessions>
</cfm-policer>

```

### Description

## <cfm-policer-session>

### Usage

```

<cfm-policer>
  <cfm-policer-sessions>
    <cfm-policer-session>

    <cfm-policer-maintenance-domain-entry>....</cfm-policer-maintenance-domain-entry>

    <cfm-policer-maintenance-association-entries>....</cfm-policer-maintenance-association-entries>

    </cfm-policer-session>
  </cfm-policer-sessions>
</cfm-policer>

```

**Description****<cfm-policer-sessions>****Usage**

```
<cfm-policer>
  <cfm-policer-sessions>
    <cfm-policer-session>....</cfm-policer-session>
  </cfm-policer-sessions>
</cfm-policer>
```

**Description****<cfm-remote-mep>****Usage**

```
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-remote-meps>
        <cfm-remote-mep>
          <cfm-remote-mep-identifier>
            cfm-remote-mep-identifier
          </cfm-remote-mep-identifier>
          <cfm-remote-mep-state>
            cfm-remote-mep-state
          </cfm-remote-mep-state>
          <cfm-remote-mep-mac-address>
            cfm-remote-mep-mac-address
          </cfm-remote-mep-mac-address>
          <cfm-remote-mep-interface>
            cfm-remote-mep-interface
          </cfm-remote-mep-interface>
          <cfm-remote-mep-type>
            cfm-remote-mep-type
          </cfm-remote-mep-type>
          <cfm-remote-mep-loss-threshold>
            cfm-remote-mep-loss-threshold
          </cfm-remote-mep-loss-threshold>
          <cfm-remote-mep-rdi>
            cfm-remote-mep-rdi
          </cfm-remote-mep-rdi>
          <cfm-remote-mep-last-flapped>
            cfm-remote-mep-last-flapped
          </cfm-remote-mep-last-flapped>
          <cfm-remote-mep-last-dm-stats-cleared>
            cfm-remote-mep-last-dm-stats-cleared
          </cfm-remote-mep-last-dm-stats-cleared>
          <cfm-remote-mep-last-lm-stats-cleared>
            cfm-remote-mep-last-lm-stats-cleared
          </cfm-remote-mep-last-lm-stats-cleared>
          <cfm-remote-mep-continuity>
            cfm-remote-mep-continuity
          </cfm-remote-mep-continuity>
          <cfm-remote-mep-admin-enable-time>
```



```

    cfm-remote-mep-admin-enable-time
  </cfm-remote-mep-admin-enable-time>
  <cfm-remote-mep-oper-down-time>
    cfm-remote-mep-oper-down-time
  </cfm-remote-mep-oper-down-time>
  <cfm-remote-mep-port-status-tlv>
    cfm-remote-mep-port-status-tlv
  </cfm-remote-mep-port-status-tlv>
  <cfm-remote-mep-interface-status-tlv>
    cfm-remote-mep-interface-status-tlv
  </cfm-remote-mep-interface-status-tlv>

```

```

<cfm-remote-mep-connection-protection-tlv>....</cfm-remote-mep-connection-protection-tlv>

```

```

<cfm-remote-mep-loss-threshold-tlv>....</cfm-remote-mep-loss-threshold-tlv>
  </cfm-remote-mep>
</cfm-interface-remote-meps>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>

```

## Description

### <cfm-remote-mep>

#### Usage

```

<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep>
      <cfm-remote-mep-identifier>
        cfm-remote-mep-identifier
      </cfm-remote-mep-identifier>
      <cfm-remote-mep-state>
        cfm-remote-mep-state
      </cfm-remote-mep-state>
      <cfm-remote-mep-mac-address>
        cfm-remote-mep-mac-address
      </cfm-remote-mep-mac-address>
      <cfm-remote-mep-interface>
        cfm-remote-mep-interface
      </cfm-remote-mep-interface>
      <cfm-remote-mep-type>
        cfm-remote-mep-type
      </cfm-remote-mep-type>
      <cfm-remote-mep-loss-threshold>
        cfm-remote-mep-loss-threshold
      </cfm-remote-mep-loss-threshold>
      <cfm-remote-mep-rdi>
        cfm-remote-mep-rdi
      </cfm-remote-mep-rdi>
      <cfm-remote-mep-last-flapped>
        cfm-remote-mep-last-flapped
      </cfm-remote-mep-last-flapped>
      <cfm-remote-mep-last-dm-stats-cleared>

```

```

        cfm-remote-mep-last-dm-stats-cleared
      </cfm-remote-mep-last-dm-stats-cleared>
      <cfm-remote-mep-last-lm-stats-cleared>
        cfm-remote-mep-last-lm-stats-cleared
      </cfm-remote-mep-last-lm-stats-cleared>
      <cfm-remote-mep-continuity>
        cfm-remote-mep-continuity
      </cfm-remote-mep-continuity>
      <cfm-remote-mep-admin-enable-time>
        cfm-remote-mep-admin-enable-time
      </cfm-remote-mep-admin-enable-time>
      <cfm-remote-mep-oper-down-time>
        cfm-remote-mep-oper-down-time
      </cfm-remote-mep-oper-down-time>
      <cfm-remote-mep-port-status-tlv>
        cfm-remote-mep-port-status-tlv
      </cfm-remote-mep-port-status-tlv>
      <cfm-remote-mep-interface-status-tlv>
        cfm-remote-mep-interface-status-tlv
      </cfm-remote-mep-interface-status-tlv>

      <cfm-remote-mep-connection-protection-tlv>....</cfm-remote-mep-connection-protection-tlv>

      <cfm-remote-mep-loss-threshold-tlv>....</cfm-remote-mep-loss-threshold-tlv>

    </cfm-remote-mep>
  </cfm-remote-meps>
</cfm-entry>

```

## Description

### <cfm-remote-mep>

#### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-remote-meps>
          <cfm-remote-mep>
            <cfm-remote-mep-identifier>
              cfm-remote-mep-identifier
            </cfm-remote-mep-identifier>
            <cfm-remote-mep-state>
              cfm-remote-mep-state
            </cfm-remote-mep-state>
            <cfm-remote-mep-mac-address>
              cfm-remote-mep-mac-address
            </cfm-remote-mep-mac-address>
            <cfm-remote-mep-interface>
              cfm-remote-mep-interface
            </cfm-remote-mep-interface>
            <cfm-remote-mep-type>
              cfm-remote-mep-type
            </cfm-remote-mep-type>
          </cfm-remote-mep>
        </cfm-interface-remote-meps>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-interface>

```

```

<cfm-remote-mep-loss-threshold>
  cfm-remote-mep-loss-threshold
</cfm-remote-mep-loss-threshold>
<cfm-remote-mep-rdi>
  cfm-remote-mep-rdi
</cfm-remote-mep-rdi>
<cfm-remote-mep-last-flapped>
  cfm-remote-mep-last-flapped
</cfm-remote-mep-last-flapped>
<cfm-remote-mep-last-dm-stats-cleared>
  cfm-remote-mep-last-dm-stats-cleared
</cfm-remote-mep-last-dm-stats-cleared>
<cfm-remote-mep-last-lm-stats-cleared>
  cfm-remote-mep-last-lm-stats-cleared
</cfm-remote-mep-last-lm-stats-cleared>
<cfm-remote-mep-continuity>
  cfm-remote-mep-continuity
</cfm-remote-mep-continuity>
<cfm-remote-mep-admin-enable-time>
  cfm-remote-mep-admin-enable-time
</cfm-remote-mep-admin-enable-time>
<cfm-remote-mep-oper-down-time>
  cfm-remote-mep-oper-down-time
</cfm-remote-mep-oper-down-time>
<cfm-remote-mep-port-status-tlv>
  cfm-remote-mep-port-status-tlv
</cfm-remote-mep-port-status-tlv>
<cfm-remote-mep-interface-status-tlv>
  cfm-remote-mep-interface-status-tlv
</cfm-remote-mep-interface-status-tlv>

```

```

<cfm-remote-mep-connection-protection-tlv>....</cfm-remote-mep-connection-protection-tlv>

```

```

<cfm-remote-mep-loss-threshold-tlv>....</cfm-remote-mep-loss-threshold-tlv>
  </cfm-remote-mep>
  </cfm-interface-remote-meps>
  </cfm-interface-session>
  </cfm-interface-sessions>
  </cfm-entry>
</cfm-interface>

```

## Description

### <cfm-remote-mep>

#### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep>
        <cfm-remote-mep-identifier>
          cfm-remote-mep-identifier
        </cfm-remote-mep-identifier>
        <cfm-remote-mep-state>

```

```
    cfm-remote-mep-state
  </cfm-remote-mep-state>
  <cfm-remote-mep-mac-address>
    cfm-remote-mep-mac-address
  </cfm-remote-mep-mac-address>
  <cfm-remote-mep-interface>
    cfm-remote-mep-interface
  </cfm-remote-mep-interface>
  <cfm-remote-mep-type>
    cfm-remote-mep-type
  </cfm-remote-mep-type>
  <cfm-remote-mep-loss-threshold>
    cfm-remote-mep-loss-threshold
  </cfm-remote-mep-loss-threshold>
  <cfm-remote-mep-rdi>
    cfm-remote-mep-rdi
  </cfm-remote-mep-rdi>
  <cfm-remote-mep-last-flapped>
    cfm-remote-mep-last-flapped
  </cfm-remote-mep-last-flapped>
  <cfm-remote-mep-last-dm-stats-cleared>
    cfm-remote-mep-last-dm-stats-cleared
  </cfm-remote-mep-last-dm-stats-cleared>
  <cfm-remote-mep-last-lm-stats-cleared>
    cfm-remote-mep-last-lm-stats-cleared
  </cfm-remote-mep-last-lm-stats-cleared>
  <cfm-remote-mep-continuity>
    cfm-remote-mep-continuity
  </cfm-remote-mep-continuity>
  <cfm-remote-mep-admin-enable-time>
    cfm-remote-mep-admin-enable-time
  </cfm-remote-mep-admin-enable-time>
  <cfm-remote-mep-oper-down-time>
    cfm-remote-mep-oper-down-time
  </cfm-remote-mep-oper-down-time>
  <cfm-remote-mep-port-status-tlv>
    cfm-remote-mep-port-status-tlv
  </cfm-remote-mep-port-status-tlv>
  <cfm-remote-mep-interface-status-tlv>
    cfm-remote-mep-interface-status-tlv
  </cfm-remote-mep-interface-status-tlv>

  <cfm-remote-mep-connection-protection-tlv>....</cfm-remote-mep-connection-protection-tlv>

  <cfm-remote-mep-loss-threshold-tlv>....</cfm-remote-mep-loss-threshold-tlv>
    </cfm-remote-mep>
  </cfm-remote-meps>
</cfm-entry>
</cfm-interface>
```

## Description

## <cfm-remote-mep>

### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-remote-meps>
          <cfm-remote-mep>
            <cfm-remote-mep-identifier>
              cfm-remote-mep-identifier
            </cfm-remote-mep-identifier>
            <cfm-remote-mep-state>
              cfm-remote-mep-state
            </cfm-remote-mep-state>
            <cfm-remote-mep-mac-address>
              cfm-remote-mep-mac-address
            </cfm-remote-mep-mac-address>
            <cfm-remote-mep-interface>
              cfm-remote-mep-interface
            </cfm-remote-mep-interface>
            <cfm-remote-mep-type>
              cfm-remote-mep-type
            </cfm-remote-mep-type>
            <cfm-remote-mep-loss-threshold>
              cfm-remote-mep-loss-threshold
            </cfm-remote-mep-loss-threshold>
            <cfm-remote-mep-rdi>
              cfm-remote-mep-rdi
            </cfm-remote-mep-rdi>
            <cfm-remote-mep-last-flapped>
              cfm-remote-mep-last-flapped
            </cfm-remote-mep-last-flapped>
            <cfm-remote-mep-last-dm-stats-cleared>
              cfm-remote-mep-last-dm-stats-cleared
            </cfm-remote-mep-last-dm-stats-cleared>
            <cfm-remote-mep-last-lm-stats-cleared>
              cfm-remote-mep-last-lm-stats-cleared
            </cfm-remote-mep-last-lm-stats-cleared>
            <cfm-remote-mep-continuity>
              cfm-remote-mep-continuity
            </cfm-remote-mep-continuity>
            <cfm-remote-mep-admin-enable-time>
              cfm-remote-mep-admin-enable-time
            </cfm-remote-mep-admin-enable-time>
            <cfm-remote-mep-oper-down-time>
              cfm-remote-mep-oper-down-time
            </cfm-remote-mep-oper-down-time>
            <cfm-remote-mep-port-status-tlv>
              cfm-remote-mep-port-status-tlv
            </cfm-remote-mep-port-status-tlv>
            <cfm-remote-mep-interface-status-tlv>
              cfm-remote-mep-interface-status-tlv
            </cfm-remote-mep-interface-status-tlv>

```

```
<cfm-remote-mep-connection-protection-tlv>....</cfm-remote-mep-connection-protection-tlv>
```

```
<cfm-remote-mep-loss-threshold-tlv>....</cfm-remote-mep-loss-threshold-tlv>
  </cfm-remote-mep>
</cfm-interface-remote-meps>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-database>
```

## Description

### <cfm-remote-mep>

#### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep>
        <cfm-remote-mep-identifier>
          cfm-remote-mep-identifier
        </cfm-remote-mep-identifier>
        <cfm-remote-mep-state>
          cfm-remote-mep-state
        </cfm-remote-mep-state>
        <cfm-remote-mep-mac-address>
          cfm-remote-mep-mac-address
        </cfm-remote-mep-mac-address>
        <cfm-remote-mep-interface>
          cfm-remote-mep-interface
        </cfm-remote-mep-interface>
        <cfm-remote-mep-type>
          cfm-remote-mep-type
        </cfm-remote-mep-type>
        <cfm-remote-mep-loss-threshold>
          cfm-remote-mep-loss-threshold
        </cfm-remote-mep-loss-threshold>
        <cfm-remote-mep-rdi>
          cfm-remote-mep-rdi
        </cfm-remote-mep-rdi>
        <cfm-remote-mep-last-flapped>
          cfm-remote-mep-last-flapped
        </cfm-remote-mep-last-flapped>
        <cfm-remote-mep-last-dm-stats-cleared>
          cfm-remote-mep-last-dm-stats-cleared
        </cfm-remote-mep-last-dm-stats-cleared>
        <cfm-remote-mep-last-lm-stats-cleared>
          cfm-remote-mep-last-lm-stats-cleared
        </cfm-remote-mep-last-lm-stats-cleared>
        <cfm-remote-mep-continuity>
          cfm-remote-mep-continuity
        </cfm-remote-mep-continuity>
        <cfm-remote-mep-admin-enable-time>
          cfm-remote-mep-admin-enable-time
```

```

</cfm-remote-mep-admin-enable-time>
<cfm-remote-mep-oper-down-time>
  cfm-remote-mep-oper-down-time
</cfm-remote-mep-oper-down-time>
<cfm-remote-mep-port-status-tlv>
  cfm-remote-mep-port-status-tlv
</cfm-remote-mep-port-status-tlv>
<cfm-remote-mep-interface-status-tlv>
  cfm-remote-mep-interface-status-tlv
</cfm-remote-mep-interface-status-tlv>

```

```
<cfm-remote-mep-connection-protection-tlv>....</cfm-remote-mep-connection-protection-tlv>
```

```

<cfm-remote-mep-loss-threshold-tlv>....</cfm-remote-mep-loss-threshold-tlv>
  </cfm-remote-mep>
</cfm-remote-meps>
</cfm-entry>
</cfm-mep-database>

```

## Description

### <cfm-remote-mep>

#### Usage

```

<cfm-mep-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-remote-meps>
        <cfm-remote-mep>
          <cfm-remote-mep-identifier>
            cfm-remote-mep-identifier
          </cfm-remote-mep-identifier>
          <cfm-remote-mep-state>
            cfm-remote-mep-state
          </cfm-remote-mep-state>
          <cfm-remote-mep-mac-address>
            cfm-remote-mep-mac-address
          </cfm-remote-mep-mac-address>
          <cfm-remote-mep-interface>
            cfm-remote-mep-interface
          </cfm-remote-mep-interface>
          <cfm-remote-mep-type>
            cfm-remote-mep-type
          </cfm-remote-mep-type>
          <cfm-remote-mep-loss-threshold>
            cfm-remote-mep-loss-threshold
          </cfm-remote-mep-loss-threshold>
          <cfm-remote-mep-rdi>
            cfm-remote-mep-rdi
          </cfm-remote-mep-rdi>
          <cfm-remote-mep-last-flapped>
            cfm-remote-mep-last-flapped
          </cfm-remote-mep-last-flapped>

```

```
<cfm-remote-mep-last-dm-stats-cleared>
  cfm-remote-mep-last-dm-stats-cleared
</cfm-remote-mep-last-dm-stats-cleared>
<cfm-remote-mep-last-lm-stats-cleared>
  cfm-remote-mep-last-lm-stats-cleared
</cfm-remote-mep-last-lm-stats-cleared>
<cfm-remote-mep-continuity>
  cfm-remote-mep-continuity
</cfm-remote-mep-continuity>
<cfm-remote-mep-admin-enable-time>
  cfm-remote-mep-admin-enable-time
</cfm-remote-mep-admin-enable-time>
<cfm-remote-mep-oper-down-time>
  cfm-remote-mep-oper-down-time
</cfm-remote-mep-oper-down-time>
<cfm-remote-mep-port-status-tlv>
  cfm-remote-mep-port-status-tlv
</cfm-remote-mep-port-status-tlv>
<cfm-remote-mep-interface-status-tlv>
  cfm-remote-mep-interface-status-tlv
</cfm-remote-mep-interface-status-tlv>
```

```
<cfm-remote-mep-connection-protection-tlv>....</cfm-remote-mep-connection-protection-tlv>
```

```
<cfm-remote-mep-loss-threshold-tlv>....</cfm-remote-mep-loss-threshold-tlv>
  </cfm-remote-mep>
</cfm-interface-remote-meps>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-statistics>
```

## Description

### <cfm-remote-mep>

#### Usage

```
<cfm-mep-statistics>
<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep>
      <cfm-remote-mep-identifier>
        cfm-remote-mep-identifier
      </cfm-remote-mep-identifier>
      <cfm-remote-mep-state>
        cfm-remote-mep-state
      </cfm-remote-mep-state>
      <cfm-remote-mep-mac-address>
        cfm-remote-mep-mac-address
      </cfm-remote-mep-mac-address>
      <cfm-remote-mep-interface>
        cfm-remote-mep-interface
      </cfm-remote-mep-interface>
      <cfm-remote-mep-type>
```



```

    cfm-remote-mep-type
  </cfm-remote-mep-type>
  <cfm-remote-mep-loss-threshold>
    cfm-remote-mep-loss-threshold
  </cfm-remote-mep-loss-threshold>
  <cfm-remote-mep-rdi>
    cfm-remote-mep-rdi
  </cfm-remote-mep-rdi>
  <cfm-remote-mep-last-flapped>
    cfm-remote-mep-last-flapped
  </cfm-remote-mep-last-flapped>
  <cfm-remote-mep-last-dm-stats-cleared>
    cfm-remote-mep-last-dm-stats-cleared
  </cfm-remote-mep-last-dm-stats-cleared>
  <cfm-remote-mep-last-lm-stats-cleared>
    cfm-remote-mep-last-lm-stats-cleared
  </cfm-remote-mep-last-lm-stats-cleared>
  <cfm-remote-mep-continuity>
    cfm-remote-mep-continuity
  </cfm-remote-mep-continuity>
  <cfm-remote-mep-admin-enable-time>
    cfm-remote-mep-admin-enable-time
  </cfm-remote-mep-admin-enable-time>
  <cfm-remote-mep-oper-down-time>
    cfm-remote-mep-oper-down-time
  </cfm-remote-mep-oper-down-time>
  <cfm-remote-mep-port-status-tlv>
    cfm-remote-mep-port-status-tlv
  </cfm-remote-mep-port-status-tlv>
  <cfm-remote-mep-interface-status-tlv>
    cfm-remote-mep-interface-status-tlv
  </cfm-remote-mep-interface-status-tlv>

```

```

<cfm-remote-mep-connection-protection-tlv>....</cfm-remote-mep-connection-protection-tlv>

```

```

<cfm-remote-mep-loss-threshold-tlv>....</cfm-remote-mep-loss-threshold-tlv>
  </cfm-remote-mep>
</cfm-remote-meps>
</cfm-entry>
</cfm-mep-statistics>

```

## Description

### <cfm-remote-mep>

#### Usage

```

<cfm-delay-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-remote-meps>
        <cfm-remote-mep>
          <cfm-remote-mep-identifier>
            cfm-remote-mep-identifier

```

```
</cfm-remote-mep-identifier>
<cfm-remote-mep-state>
  cfm-remote-mep-state
</cfm-remote-mep-state>
<cfm-remote-mep-mac-address>
  cfm-remote-mep-mac-address
</cfm-remote-mep-mac-address>
<cfm-remote-mep-interface>
  cfm-remote-mep-interface
</cfm-remote-mep-interface>
<cfm-remote-mep-type>
  cfm-remote-mep-type
</cfm-remote-mep-type>
<cfm-remote-mep-loss-threshold>
  cfm-remote-mep-loss-threshold
</cfm-remote-mep-loss-threshold>
<cfm-remote-mep-rdi>
  cfm-remote-mep-rdi
</cfm-remote-mep-rdi>
<cfm-remote-mep-last-flapped>
  cfm-remote-mep-last-flapped
</cfm-remote-mep-last-flapped>
<cfm-remote-mep-last-dm-stats-cleared>
  cfm-remote-mep-last-dm-stats-cleared
</cfm-remote-mep-last-dm-stats-cleared>
<cfm-remote-mep-last-lm-stats-cleared>
  cfm-remote-mep-last-lm-stats-cleared
</cfm-remote-mep-last-lm-stats-cleared>
<cfm-remote-mep-continuity>
  cfm-remote-mep-continuity
</cfm-remote-mep-continuity>
<cfm-remote-mep-admin-enable-time>
  cfm-remote-mep-admin-enable-time
</cfm-remote-mep-admin-enable-time>
<cfm-remote-mep-oper-down-time>
  cfm-remote-mep-oper-down-time
</cfm-remote-mep-oper-down-time>
<cfm-remote-mep-port-status-tlv>
  cfm-remote-mep-port-status-tlv
</cfm-remote-mep-port-status-tlv>
<cfm-remote-mep-interface-status-tlv>
  cfm-remote-mep-interface-status-tlv
</cfm-remote-mep-interface-status-tlv>

<cfm-remote-mep-connection-protection-tlv>....</cfm-remote-mep-connection-protection-tlv>

<cfm-remote-mep-loss-threshold-tlv>....</cfm-remote-mep-loss-threshold-tlv>
  </cfm-remote-mep>
</cfm-interface-remote-meps>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-delay-statistics>
```

## Description

## &lt;cfm-remote-mep&gt;

## Usage

```

<cfm-delay-statistics>
<cfm-entry>
<cfm-remote-meps>
  <cfm-remote-mep>
    <cfm-remote-mep-identifier>
      cfm-remote-mep-identifier
    </cfm-remote-mep-identifier>
    <cfm-remote-mep-state>
      cfm-remote-mep-state
    </cfm-remote-mep-state>
    <cfm-remote-mep-mac-address>
      cfm-remote-mep-mac-address
    </cfm-remote-mep-mac-address>
    <cfm-remote-mep-interface>
      cfm-remote-mep-interface
    </cfm-remote-mep-interface>
    <cfm-remote-mep-type>
      cfm-remote-mep-type
    </cfm-remote-mep-type>
    <cfm-remote-mep-loss-threshold>
      cfm-remote-mep-loss-threshold
    </cfm-remote-mep-loss-threshold>
    <cfm-remote-mep-rdi>
      cfm-remote-mep-rdi
    </cfm-remote-mep-rdi>
    <cfm-remote-mep-last-flapped>
      cfm-remote-mep-last-flapped
    </cfm-remote-mep-last-flapped>
    <cfm-remote-mep-last-dm-stats-cleared>
      cfm-remote-mep-last-dm-stats-cleared
    </cfm-remote-mep-last-dm-stats-cleared>
    <cfm-remote-mep-last-lm-stats-cleared>
      cfm-remote-mep-last-lm-stats-cleared
    </cfm-remote-mep-last-lm-stats-cleared>
    <cfm-remote-mep-continuity>
      cfm-remote-mep-continuity
    </cfm-remote-mep-continuity>
    <cfm-remote-mep-admin-enable-time>
      cfm-remote-mep-admin-enable-time
    </cfm-remote-mep-admin-enable-time>
    <cfm-remote-mep-oper-down-time>
      cfm-remote-mep-oper-down-time
    </cfm-remote-mep-oper-down-time>
    <cfm-remote-mep-port-status-tlv>
      cfm-remote-mep-port-status-tlv
    </cfm-remote-mep-port-status-tlv>
    <cfm-remote-mep-interface-status-tlv>
      cfm-remote-mep-interface-status-tlv
    </cfm-remote-mep-interface-status-tlv>

<cfm-remote-mep-connection-protection-tlv>....</cfm-remote-mep-connection-protection-tlv>

```

```
<cfm-remote-mep-loss-threshold-tlv>....</cfm-remote-mep-loss-threshold-tlv>
  </cfm-remote-mep>
</cfm-remote-meps>
</cfm-entry>
</cfm-delay-statistics>
```

## Description

### <cfm-remote-mep>

#### Usage

```
<cfm-loss-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-remote-meps>
        <cfm-remote-mep>
          <cfm-remote-mep-identifier>
            cfm-remote-mep-identifier
          </cfm-remote-mep-identifier>
          <cfm-remote-mep-state>
            cfm-remote-mep-state
          </cfm-remote-mep-state>
          <cfm-remote-mep-mac-address>
            cfm-remote-mep-mac-address
          </cfm-remote-mep-mac-address>
          <cfm-remote-mep-interface>
            cfm-remote-mep-interface
          </cfm-remote-mep-interface>
          <cfm-remote-mep-type>
            cfm-remote-mep-type
          </cfm-remote-mep-type>
          <cfm-remote-mep-loss-threshold>
            cfm-remote-mep-loss-threshold
          </cfm-remote-mep-loss-threshold>
          <cfm-remote-mep-rdi>
            cfm-remote-mep-rdi
          </cfm-remote-mep-rdi>
          <cfm-remote-mep-last-flapped>
            cfm-remote-mep-last-flapped
          </cfm-remote-mep-last-flapped>
          <cfm-remote-mep-last-dm-stats-cleared>
            cfm-remote-mep-last-dm-stats-cleared
          </cfm-remote-mep-last-dm-stats-cleared>
          <cfm-remote-mep-last-lm-stats-cleared>
            cfm-remote-mep-last-lm-stats-cleared
          </cfm-remote-mep-last-lm-stats-cleared>
          <cfm-remote-mep-continuity>
            cfm-remote-mep-continuity
          </cfm-remote-mep-continuity>
          <cfm-remote-mep-admin-enable-time>
            cfm-remote-mep-admin-enable-time
          </cfm-remote-mep-admin-enable-time>
```

```

<cfm-remote-mep-oper-down-time>
  cfm-remote-mep-oper-down-time
</cfm-remote-mep-oper-down-time>
<cfm-remote-mep-port-status-tlv>
  cfm-remote-mep-port-status-tlv
</cfm-remote-mep-port-status-tlv>
<cfm-remote-mep-interface-status-tlv>
  cfm-remote-mep-interface-status-tlv
</cfm-remote-mep-interface-status-tlv>

```

```

<cfm-remote-mep-connection-protection-tlv>....</cfm-remote-mep-connection-protection-tlv>

```

```

<cfm-remote-mep-loss-threshold-tlv>....</cfm-remote-mep-loss-threshold-tlv>
  </cfm-remote-mep>
  </cfm-interface-remote-meps>
  </cfm-interface-session>
  </cfm-interface-sessions>
  </cfm-entry>
</cfm-loss-statistics>

```

## Description

### <cfm-remote-mep>

#### Usage

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep>
        <cfm-remote-mep-identifier>
          cfm-remote-mep-identifier
        </cfm-remote-mep-identifier>
        <cfm-remote-mep-state>
          cfm-remote-mep-state
        </cfm-remote-mep-state>
        <cfm-remote-mep-mac-address>
          cfm-remote-mep-mac-address
        </cfm-remote-mep-mac-address>
        <cfm-remote-mep-interface>
          cfm-remote-mep-interface
        </cfm-remote-mep-interface>
        <cfm-remote-mep-type>
          cfm-remote-mep-type
        </cfm-remote-mep-type>
        <cfm-remote-mep-loss-threshold>
          cfm-remote-mep-loss-threshold
        </cfm-remote-mep-loss-threshold>
        <cfm-remote-mep-rdi>
          cfm-remote-mep-rdi
        </cfm-remote-mep-rdi>
        <cfm-remote-mep-last-flapped>
          cfm-remote-mep-last-flapped
        </cfm-remote-mep-last-flapped>
        <cfm-remote-mep-last-dm-stats-cleared>

```

```

        cfm-remote-mep-last-dm-stats-cleared
      </cfm-remote-mep-last-dm-stats-cleared>
      <cfm-remote-mep-last-lm-stats-cleared>
        cfm-remote-mep-last-lm-stats-cleared
      </cfm-remote-mep-last-lm-stats-cleared>
      <cfm-remote-mep-continuity>
        cfm-remote-mep-continuity
      </cfm-remote-mep-continuity>
      <cfm-remote-mep-admin-enable-time>
        cfm-remote-mep-admin-enable-time
      </cfm-remote-mep-admin-enable-time>
      <cfm-remote-mep-oper-down-time>
        cfm-remote-mep-oper-down-time
      </cfm-remote-mep-oper-down-time>
      <cfm-remote-mep-port-status-tlv>
        cfm-remote-mep-port-status-tlv
      </cfm-remote-mep-port-status-tlv>
      <cfm-remote-mep-interface-status-tlv>
        cfm-remote-mep-interface-status-tlv
      </cfm-remote-mep-interface-status-tlv>

      <cfm-remote-mep-connection-protection-tlv>....</cfm-remote-mep-connection-protection-tlv>

    <cfm-remote-mep-loss-threshold-tlv>....</cfm-remote-mep-loss-threshold-tlv>
  </cfm-remote-mep>
</cfm-remote-meps>
</cfm-entry>
</cfm-loss-statistics>

```

## Description

### <cfm-remote-mep>

#### Usage

```

<cfm-iterator-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-remote-meps>
        <cfm-remote-mep>
          <cfm-remote-mep-identifier>
            cfm-remote-mep-identifier
          </cfm-remote-mep-identifier>
          <cfm-remote-mep-state>
            cfm-remote-mep-state
          </cfm-remote-mep-state>
          <cfm-remote-mep-mac-address>
            cfm-remote-mep-mac-address
          </cfm-remote-mep-mac-address>
          <cfm-remote-mep-interface>
            cfm-remote-mep-interface
          </cfm-remote-mep-interface>
          <cfm-remote-mep-type>
            cfm-remote-mep-type

```

```

</cfm-remote-mep-type>
<cfm-remote-mep-loss-threshold>
  cfm-remote-mep-loss-threshold
</cfm-remote-mep-loss-threshold>
<cfm-remote-mep-rdi>
  cfm-remote-mep-rdi
</cfm-remote-mep-rdi>
<cfm-remote-mep-last-flapped>
  cfm-remote-mep-last-flapped
</cfm-remote-mep-last-flapped>
<cfm-remote-mep-last-dm-stats-cleared>
  cfm-remote-mep-last-dm-stats-cleared
</cfm-remote-mep-last-dm-stats-cleared>
<cfm-remote-mep-last-lm-stats-cleared>
  cfm-remote-mep-last-lm-stats-cleared
</cfm-remote-mep-last-lm-stats-cleared>
<cfm-remote-mep-continuity>
  cfm-remote-mep-continuity
</cfm-remote-mep-continuity>
<cfm-remote-mep-admin-enable-time>
  cfm-remote-mep-admin-enable-time
</cfm-remote-mep-admin-enable-time>
<cfm-remote-mep-oper-down-time>
  cfm-remote-mep-oper-down-time
</cfm-remote-mep-oper-down-time>
<cfm-remote-mep-port-status-tlv>
  cfm-remote-mep-port-status-tlv
</cfm-remote-mep-port-status-tlv>
<cfm-remote-mep-interface-status-tlv>
  cfm-remote-mep-interface-status-tlv
</cfm-remote-mep-interface-status-tlv>

```

```
<cfm-remote-mep-connection-protection-tlv>....</cfm-remote-mep-connection-protection-tlv>
```

```

<cfm-remote-mep-loss-threshold-tlv>....</cfm-remote-mep-loss-threshold-tlv>
  </cfm-remote-mep>
  </cfm-interface-remote-meps>
  </cfm-interface-session>
  </cfm-interface-sessions>
  </cfm-entry>
</cfm-iterator-statistics>

```

## Description

### <cfm-remote-mep>

#### Usage

```

<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep>
        <cfm-remote-mep-identifier>
          cfm-remote-mep-identifier
        </cfm-remote-mep-identifier>

```

```
<cfm-remote-mep-state>
  cfm-remote-mep-state
</cfm-remote-mep-state>
<cfm-remote-mep-mac-address>
  cfm-remote-mep-mac-address
</cfm-remote-mep-mac-address>
<cfm-remote-mep-interface>
  cfm-remote-mep-interface
</cfm-remote-mep-interface>
<cfm-remote-mep-type>
  cfm-remote-mep-type
</cfm-remote-mep-type>
<cfm-remote-mep-loss-threshold>
  cfm-remote-mep-loss-threshold
</cfm-remote-mep-loss-threshold>
<cfm-remote-mep-rdi>
  cfm-remote-mep-rdi
</cfm-remote-mep-rdi>
<cfm-remote-mep-last-flapped>
  cfm-remote-mep-last-flapped
</cfm-remote-mep-last-flapped>
<cfm-remote-mep-last-dm-stats-cleared>
  cfm-remote-mep-last-dm-stats-cleared
</cfm-remote-mep-last-dm-stats-cleared>
<cfm-remote-mep-last-lm-stats-cleared>
  cfm-remote-mep-last-lm-stats-cleared
</cfm-remote-mep-last-lm-stats-cleared>
<cfm-remote-mep-continuity>
  cfm-remote-mep-continuity
</cfm-remote-mep-continuity>
<cfm-remote-mep-admin-enable-time>
  cfm-remote-mep-admin-enable-time
</cfm-remote-mep-admin-enable-time>
<cfm-remote-mep-oper-down-time>
  cfm-remote-mep-oper-down-time
</cfm-remote-mep-oper-down-time>
<cfm-remote-mep-port-status-tlv>
  cfm-remote-mep-port-status-tlv
</cfm-remote-mep-port-status-tlv>
<cfm-remote-mep-interface-status-tlv>
  cfm-remote-mep-interface-status-tlv
</cfm-remote-mep-interface-status-tlv>

<cfm-remote-mep-connection-protection-tlv>....</cfm-remote-mep-connection-protection-tlv>

<cfm-remote-mep-loss-threshold-tlv>....</cfm-remote-mep-loss-threshold-tlv>
  </cfm-remote-mep>
</cfm-remote-meps>
</cfm-entry>
</cfm-iterator-statistics>
```

## Description



**<cfm-remote-mep-ap>****Usage**

```

<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep-ap>
      <cfm-action-profile-name>
        cfm-action-profile-name
      </cfm-action-profile-name>
      <cfm-ap-last-event>
        cfm-ap-last-event
      </cfm-ap-last-event>
      <cfm-ap-action-name>
        cfm-ap-action-name
      </cfm-ap-action-name>
      <cfm-ap-action-time>
        cfm-ap-action-time
      </cfm-ap-action-time>
      <cfm-ap-last-event-cleared-time>
        cfm-ap-last-event-cleared-time
      </cfm-ap-last-event-cleared-time>
    </cfm-remote-mep-ap>
  </cfm-remote-meps>
</cfm-entry>

```

**Description****<cfm-remote-mep-ap>****Usage**

```

<cfm-interface>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep-ap>
        <cfm-action-profile-name>
          cfm-action-profile-name
        </cfm-action-profile-name>
        <cfm-ap-last-event>
          cfm-ap-last-event
        </cfm-ap-last-event>
        <cfm-ap-action-name>
          cfm-ap-action-name
        </cfm-ap-action-name>
        <cfm-ap-action-time>
          cfm-ap-action-time
        </cfm-ap-action-time>
        <cfm-ap-last-event-cleared-time>
          cfm-ap-last-event-cleared-time
        </cfm-ap-last-event-cleared-time>
      </cfm-remote-mep-ap>
    </cfm-remote-meps>
  </cfm-entry>
</cfm-interface>

```

## Description

### <cfm-remote-mep-ap>

#### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep-ap>
        <cfm-action-profile-name>
          cfm-action-profile-name
        </cfm-action-profile-name>
        <cfm-ap-last-event>
          cfm-ap-last-event
        </cfm-ap-last-event>
        <cfm-ap-action-name>
          cfm-ap-action-name
        </cfm-ap-action-name>
        <cfm-ap-action-time>
          cfm-ap-action-time
        </cfm-ap-action-time>
        <cfm-ap-last-event-cleared-time>
          cfm-ap-last-event-cleared-time
        </cfm-ap-last-event-cleared-time>
      </cfm-remote-mep-ap>
    </cfm-remote-meps>
  </cfm-entry>
</cfm-mep-database>
```

## Description

### <cfm-remote-mep-ap>

#### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep-ap>
        <cfm-action-profile-name>
          cfm-action-profile-name
        </cfm-action-profile-name>
        <cfm-ap-last-event>
          cfm-ap-last-event
        </cfm-ap-last-event>
        <cfm-ap-action-name>
          cfm-ap-action-name
        </cfm-ap-action-name>
        <cfm-ap-action-time>
          cfm-ap-action-time
        </cfm-ap-action-time>
        <cfm-ap-last-event-cleared-time>
          cfm-ap-last-event-cleared-time
        </cfm-ap-last-event-cleared-time>
      </cfm-remote-mep-ap>
    </cfm-remote-meps>
```

```

    </cfm-entry>
  </cfm-mep-statistics>

```

### Description

#### <cfm-remote-mep-ap>

#### Usage

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep-ap>
        <cfm-action-profile-name>
          cfm-action-profile-name
        </cfm-action-profile-name>
        <cfm-ap-last-event>
          cfm-ap-last-event
        </cfm-ap-last-event>
        <cfm-ap-action-name>
          cfm-ap-action-name
        </cfm-ap-action-name>
        <cfm-ap-action-time>
          cfm-ap-action-time
        </cfm-ap-action-time>
        <cfm-ap-last-event-cleared-time>
          cfm-ap-last-event-cleared-time
        </cfm-ap-last-event-cleared-time>
      </cfm-remote-mep-ap>
    </cfm-remote-meps>
  </cfm-entry>
</cfm-delay-statistics>

```

### Description

#### <cfm-remote-mep-ap>

#### Usage

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep-ap>
        <cfm-action-profile-name>
          cfm-action-profile-name
        </cfm-action-profile-name>
        <cfm-ap-last-event>
          cfm-ap-last-event
        </cfm-ap-last-event>
        <cfm-ap-action-name>
          cfm-ap-action-name
        </cfm-ap-action-name>
        <cfm-ap-action-time>
          cfm-ap-action-time
        </cfm-ap-action-time>
        <cfm-ap-last-event-cleared-time>

```

```
        cfm-ap-last-event-cleared-time
      </cfm-ap-last-event-cleared-time>
    </cfm-remote-mep-ap>
  </cfm-remote-meps>
</cfm-entry>
</cfm-loss-statistics>
```

#### Description

### <cfm-remote-mep-ap>

#### Usage

```
<cfm-iterator-statistics>
<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep-ap>
      <cfm-action-profile-name>
        cfm-action-profile-name
      </cfm-action-profile-name>
      <cfm-ap-last-event>
        cfm-ap-last-event
      </cfm-ap-last-event>
      <cfm-ap-action-name>
        cfm-ap-action-name
      </cfm-ap-action-name>
      <cfm-ap-action-time>
        cfm-ap-action-time
      </cfm-ap-action-time>
      <cfm-ap-last-event-cleared-time>
        cfm-ap-last-event-cleared-time
      </cfm-ap-last-event-cleared-time>
    </cfm-remote-mep-ap>
  </cfm-remote-meps>
</cfm-entry>
</cfm-iterator-statistics>
```

#### Description

### <cfm-remote-mep-brief-summary>

#### Usage

```
<cfm-entry>
  <cfm-remote-mep-brief-summary>
    <cfm-remote-mep-identifier>
      cfm-remote-mep-identifier
    </cfm-remote-mep-identifier>
    <cfm-remote-mep-mac-address>
      cfm-remote-mep-mac-address
    </cfm-remote-mep-mac-address>
  </cfm-remote-mep-brief-summary>
</cfm-entry>
```

#### Description

### <cfm-remote-mep-brief-summary>

#### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-remote-mep-brief-summary>
      <cfm-remote-mep-identifier>
        cfm-remote-mep-identifier
      </cfm-remote-mep-identifier>
      <cfm-remote-mep-mac-address>
        cfm-remote-mep-mac-address
      </cfm-remote-mep-mac-address>
    </cfm-remote-mep-brief-summary>
  </cfm-entry>
</cfm-interface>
```

#### Description

### <cfm-remote-mep-brief-summary>

#### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-remote-mep-brief-summary>
      <cfm-remote-mep-identifier>
        cfm-remote-mep-identifier
      </cfm-remote-mep-identifier>
      <cfm-remote-mep-mac-address>
        cfm-remote-mep-mac-address
      </cfm-remote-mep-mac-address>
    </cfm-remote-mep-brief-summary>
  </cfm-entry>
</cfm-mep-database>
```

#### Description

### <cfm-remote-mep-brief-summary>

#### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-remote-mep-brief-summary>
      <cfm-remote-mep-identifier>
        cfm-remote-mep-identifier
      </cfm-remote-mep-identifier>
      <cfm-remote-mep-mac-address>
        cfm-remote-mep-mac-address
      </cfm-remote-mep-mac-address>
    </cfm-remote-mep-brief-summary>
  </cfm-entry>
</cfm-mep-statistics>
```

### Description

#### <cfm-remote-mep-brief-summary>

##### Usage

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-remote-mep-brief-summary>
      <cfm-remote-mep-identifier>
        cfm-remote-mep-identifier
      </cfm-remote-mep-identifier>
      <cfm-remote-mep-mac-address>
        cfm-remote-mep-mac-address
      </cfm-remote-mep-mac-address>
    </cfm-remote-mep-brief-summary>
  </cfm-entry>
</cfm-delay-statistics>
```

### Description

#### <cfm-remote-mep-brief-summary>

##### Usage

```
<cfm-loss-statistics>
  <cfm-entry>
    <cfm-remote-mep-brief-summary>
      <cfm-remote-mep-identifier>
        cfm-remote-mep-identifier
      </cfm-remote-mep-identifier>
      <cfm-remote-mep-mac-address>
        cfm-remote-mep-mac-address
      </cfm-remote-mep-mac-address>
    </cfm-remote-mep-brief-summary>
  </cfm-entry>
</cfm-loss-statistics>
```

### Description

#### <cfm-remote-mep-brief-summary>

##### Usage

```
<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-remote-mep-brief-summary>
      <cfm-remote-mep-identifier>
        cfm-remote-mep-identifier
      </cfm-remote-mep-identifier>
      <cfm-remote-mep-mac-address>
        cfm-remote-mep-mac-address
      </cfm-remote-mep-mac-address>
    </cfm-remote-mep-brief-summary>
  </cfm-entry>
</cfm-iterator-statistics>
```

**Description****<cfm-remote-mep-connection-protection-tlv>****Usage**

```

<cfm-remote-mep-connection-protection-tlv>
  <cfm-connection-protection-tlv-prefer-me>
    cfm-connection-protection-tlv-prefer-me
  </cfm-connection-protection-tlv-prefer-me>
  <cfm-connection-protection-tlv-protection-in-use>
    cfm-connection-protection-tlv-protection-in-use
  </cfm-connection-protection-tlv-protection-in-use>
  <cfm-connection-protection-tlv-frr-flag>
    cfm-connection-protection-tlv-frr-flag
  </cfm-connection-protection-tlv-frr-flag>
</cfm-remote-mep-connection-protection-tlv>

```

**Description** Connection Protection TLV information in the last recieved CCM from Remote MEP

**<cfm-remote-mep-connection-protection-tlv>****Usage**

```

<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-remote-meps>
        <cfm-remote-mep>
          <cfm-remote-mep-connection-protection-tlv>
            <cfm-connection-protection-tlv-prefer-me>
              cfm-connection-protection-tlv-prefer-me
            </cfm-connection-protection-tlv-prefer-me>
            <cfm-connection-protection-tlv-protection-in-use>
              cfm-connection-protection-tlv-protection-in-use
            </cfm-connection-protection-tlv-protection-in-use>
            <cfm-connection-protection-tlv-frr-flag>
              cfm-connection-protection-tlv-frr-flag
            </cfm-connection-protection-tlv-frr-flag>
          </cfm-remote-mep-connection-protection-tlv>
        </cfm-remote-mep>
      </cfm-interface-remote-meps>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>

```

**Description** Connection Protection TLV information in the last recieved CCM from Remote MEP

**<cfm-remote-mep-connection-protection-tlv>****Usage**

```

<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep>
      <cfm-remote-mep-connection-protection-tlv>

```

```
<cfm-connection-protection-tlv-prefer-me>
  cfm-connection-protection-tlv-prefer-me
</cfm-connection-protection-tlv-prefer-me>
<cfm-connection-protection-tlv-protection-in-use>
  cfm-connection-protection-tlv-protection-in-use
</cfm-connection-protection-tlv-protection-in-use>
<cfm-connection-protection-tlv-frr-flag>
  cfm-connection-protection-tlv-frr-flag
</cfm-connection-protection-tlv-frr-flag>
</cfm-remote-mep-connection-protection-tlv>
</cfm-remote-mep>
</cfm-remote-meps>
</cfm-entry>
```

**Description** Connection Protection TLV information in the last recieved CCM from Remote MEP

### <cfm-remote-mep-connection-protection-tlv>

#### Usage

```
<cfm-interface>
<cfm-entry>
<cfm-interface-sessions>
<cfm-interface-session>
<cfm-interface-remote-meps>
<cfm-remote-mep>
  <cfm-remote-mep-connection-protection-tlv>
    <cfm-connection-protection-tlv-prefer-me>
      cfm-connection-protection-tlv-prefer-me
    </cfm-connection-protection-tlv-prefer-me>
    <cfm-connection-protection-tlv-protection-in-use>
      cfm-connection-protection-tlv-protection-in-use
    </cfm-connection-protection-tlv-protection-in-use>
    <cfm-connection-protection-tlv-frr-flag>
      cfm-connection-protection-tlv-frr-flag
    </cfm-connection-protection-tlv-frr-flag>
  </cfm-remote-mep-connection-protection-tlv>
</cfm-remote-mep>
</cfm-interface-remote-meps>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-interface>
```

**Description** Connection Protection TLV information in the last recieved CCM from Remote MEP

### <cfm-remote-mep-connection-protection-tlv>

#### Usage

```
<cfm-interface>
<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep>
```



```

<cfm-remote-mep-connection-protection-tlv>
  <cfm-connection-protection-tlv-prefer-me>
    cfm-connection-protection-tlv-prefer-me
  </cfm-connection-protection-tlv-prefer-me>
  <cfm-connection-protection-tlv-protection-in-use>
    cfm-connection-protection-tlv-protection-in-use
  </cfm-connection-protection-tlv-protection-in-use>
  <cfm-connection-protection-tlv-frr-flag>
    cfm-connection-protection-tlv-frr-flag
  </cfm-connection-protection-tlv-frr-flag>
</cfm-remote-mep-connection-protection-tlv>
</cfm-remote-mep>
</cfm-remote-meps>
</cfm-entry>
</cfm-interface>

```

**Description** Connection Protection TLV information in the last recieved CCM from Remote MEP

### <cfm-remote-mep-connection-protection-tlv>

#### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-remote-meps>
          <cfm-remote-mep>
            <cfm-remote-mep-connection-protection-tlv>
              <cfm-connection-protection-tlv-prefer-me>
                cfm-connection-protection-tlv-prefer-me
              </cfm-connection-protection-tlv-prefer-me>
              <cfm-connection-protection-tlv-protection-in-use>
                cfm-connection-protection-tlv-protection-in-use
              </cfm-connection-protection-tlv-protection-in-use>
              <cfm-connection-protection-tlv-frr-flag>
                cfm-connection-protection-tlv-frr-flag
              </cfm-connection-protection-tlv-frr-flag>
            </cfm-remote-mep-connection-protection-tlv>
          </cfm-remote-mep>
        </cfm-interface-remote-meps>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-database>

```

**Description** Connection Protection TLV information in the last recieved CCM from Remote MEP

### <cfm-remote-mep-connection-protection-tlv>

#### Usage

```

<cfm-mep-database>
  <cfm-entry>

```

```
<cfm-remote-meps>
  <cfm-remote-mep>
    <cfm-remote-mep-connection-protection-tlv>
      <cfm-connection-protection-tlv-prefer-me>
        cfm-connection-protection-tlv-prefer-me
      </cfm-connection-protection-tlv-prefer-me>
      <cfm-connection-protection-tlv-protection-in-use>
        cfm-connection-protection-tlv-protection-in-use
      </cfm-connection-protection-tlv-protection-in-use>
      <cfm-connection-protection-tlv-frr-flag>
        cfm-connection-protection-tlv-frr-flag
      </cfm-connection-protection-tlv-frr-flag>
    </cfm-remote-mep-connection-protection-tlv>
  </cfm-remote-mep>
</cfm-remote-meps>
</cfm-entry>
</cfm-mep-database>
```

**Description** Connection Protection TLV information in the last recieved CCM from Remote MEP

### <cfm-remote-mep-connection-protection-tlv>

#### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-remote-meps>
          <cfm-remote-mep>
            <cfm-remote-mep-connection-protection-tlv>
              <cfm-connection-protection-tlv-prefer-me>
                cfm-connection-protection-tlv-prefer-me
              </cfm-connection-protection-tlv-prefer-me>
              <cfm-connection-protection-tlv-protection-in-use>
                cfm-connection-protection-tlv-protection-in-use
              </cfm-connection-protection-tlv-protection-in-use>
              <cfm-connection-protection-tlv-frr-flag>
                cfm-connection-protection-tlv-frr-flag
              </cfm-connection-protection-tlv-frr-flag>
            </cfm-remote-mep-connection-protection-tlv>
          </cfm-remote-mep>
        </cfm-interface-remote-meps>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-statistics>
```

**Description** Connection Protection TLV information in the last recieved CCM from Remote MEP

### <cfm-remote-mep-connection-protection-tlv>

#### Usage

```

<cfm-mep-statistics>
<cfm-entry>
<cfm-remote-meps>
<cfm-remote-mep>
  <cfm-remote-mep-connection-protection-tlv>
    <cfm-connection-protection-tlv-prefer-me>
      cfm-connection-protection-tlv-prefer-me
    </cfm-connection-protection-tlv-prefer-me>
    <cfm-connection-protection-tlv-protection-in-use>
      cfm-connection-protection-tlv-protection-in-use
    </cfm-connection-protection-tlv-protection-in-use>
    <cfm-connection-protection-tlv-frr-flag>
      cfm-connection-protection-tlv-frr-flag
    </cfm-connection-protection-tlv-frr-flag>
  </cfm-remote-mep-connection-protection-tlv>
</cfm-remote-mep>
</cfm-remote-meps>
</cfm-entry>
</cfm-mep-statistics>

```

**Description** Connection Protection TLV information in the last recieved CCM from Remote MEP

### <cfm-remote-mep-connection-protection-tlv>

#### Usage

```

<cfm-delay-statistics>
<cfm-entry>
<cfm-interface-sessions>
<cfm-interface-session>
<cfm-interface-remote-meps>
<cfm-remote-mep>
  <cfm-remote-mep-connection-protection-tlv>
    <cfm-connection-protection-tlv-prefer-me>
      cfm-connection-protection-tlv-prefer-me
    </cfm-connection-protection-tlv-prefer-me>
    <cfm-connection-protection-tlv-protection-in-use>
      cfm-connection-protection-tlv-protection-in-use
    </cfm-connection-protection-tlv-protection-in-use>
    <cfm-connection-protection-tlv-frr-flag>
      cfm-connection-protection-tlv-frr-flag
    </cfm-connection-protection-tlv-frr-flag>
  </cfm-remote-mep-connection-protection-tlv>
</cfm-remote-mep>
</cfm-interface-remote-meps>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-delay-statistics>

```

**Description** Connection Protection TLV information in the last recieved CCM from Remote MEP

### <cfm-remote-mep-connection-protection-tlv>

#### Usage

```
<cfm-delay-statistics>
<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep>
      <cfm-remote-mep-connection-protection-tlv>
        <cfm-connection-protection-tlv-prefer-me>
          cfm-connection-protection-tlv-prefer-me
        </cfm-connection-protection-tlv-prefer-me>
        <cfm-connection-protection-tlv-protection-in-use>
          cfm-connection-protection-tlv-protection-in-use
        </cfm-connection-protection-tlv-protection-in-use>
        <cfm-connection-protection-tlv-frr-flag>
          cfm-connection-protection-tlv-frr-flag
        </cfm-connection-protection-tlv-frr-flag>
      </cfm-remote-mep-connection-protection-tlv>
    </cfm-remote-mep>
  </cfm-remote-meps>
</cfm-entry>
</cfm-delay-statistics>
```

**Description** Connection Protection TLV information in the last recieved CCM from Remote MEP

### <cfm-remote-mep-connection-protection-tlv>

#### Usage

```
<cfm-loss-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-remote-meps>
        <cfm-remote-mep>
          <cfm-remote-mep-connection-protection-tlv>
            <cfm-connection-protection-tlv-prefer-me>
              cfm-connection-protection-tlv-prefer-me
            </cfm-connection-protection-tlv-prefer-me>
            <cfm-connection-protection-tlv-protection-in-use>
              cfm-connection-protection-tlv-protection-in-use
            </cfm-connection-protection-tlv-protection-in-use>
            <cfm-connection-protection-tlv-frr-flag>
              cfm-connection-protection-tlv-frr-flag
            </cfm-connection-protection-tlv-frr-flag>
          </cfm-remote-mep-connection-protection-tlv>
        </cfm-remote-mep>
      </cfm-interface-remote-meps>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
```

```
</cfm-loss-statistics>
```

**Description** Connection Protection TLV information in the last recieved CCM from Remote MEP

### <cfm-remote-mep-connection-protection-tlv>

#### Usage

```
<cfm-loss-statistics>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep>
        <cfm-remote-mep-connection-protection-tlv>
          <cfm-connection-protection-tlv-prefer-me>
            cfm-connection-protection-tlv-prefer-me
          </cfm-connection-protection-tlv-prefer-me>
          <cfm-connection-protection-tlv-protection-in-use>
            cfm-connection-protection-tlv-protection-in-use
          </cfm-connection-protection-tlv-protection-in-use>
          <cfm-connection-protection-tlv-frr-flag>
            cfm-connection-protection-tlv-frr-flag
          </cfm-connection-protection-tlv-frr-flag>
        </cfm-remote-mep-connection-protection-tlv>
      </cfm-remote-mep>
    </cfm-remote-meps>
  </cfm-entry>
</cfm-loss-statistics>
```

**Description** Connection Protection TLV information in the last recieved CCM from Remote MEP

### <cfm-remote-mep-connection-protection-tlv>

#### Usage

```
<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-remote-meps>
          <cfm-remote-mep>
            <cfm-remote-mep-connection-protection-tlv>
              <cfm-connection-protection-tlv-prefer-me>
                cfm-connection-protection-tlv-prefer-me
              </cfm-connection-protection-tlv-prefer-me>
              <cfm-connection-protection-tlv-protection-in-use>
                cfm-connection-protection-tlv-protection-in-use
              </cfm-connection-protection-tlv-protection-in-use>
              <cfm-connection-protection-tlv-frr-flag>
                cfm-connection-protection-tlv-frr-flag
              </cfm-connection-protection-tlv-frr-flag>
            </cfm-remote-mep-connection-protection-tlv>
          </cfm-remote-mep>
        </cfm-interface-remote-meps>
      </cfm-interface-session>
```

```
</cfm-interface-sessions>
</cfm-entry>
</cfm-iterator-statistics>
```

**Description** Connection Protection TLV information in the last recieved CCM from Remote MEP

### <cfm-remote-mep-connection-protection-tlv>

#### Usage

```
<cfm-iterator-statistics>
<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep>
      <cfm-remote-mep-connection-protection-tlv>
        <cfm-connection-protection-tlv-prefer-me>
          cfm-connection-protection-tlv-prefer-me
        </cfm-connection-protection-tlv-prefer-me>
        <cfm-connection-protection-tlv-protection-in-use>
          cfm-connection-protection-tlv-protection-in-use
        </cfm-connection-protection-tlv-protection-in-use>
        <cfm-connection-protection-tlv-frr-flag>
          cfm-connection-protection-tlv-frr-flag
        </cfm-connection-protection-tlv-frr-flag>
      </cfm-remote-mep-connection-protection-tlv>
    </cfm-remote-mep>
  </cfm-remote-meps>
</cfm-entry>
</cfm-iterator-statistics>
```

**Description** Connection Protection TLV information in the last recieved CCM from Remote MEP

### <cfm-remote-mep-loss-threshold-tlv>

#### Usage

```
<cfm-remote-mep-loss-threshold-tlv>
  <cfm-loss-threshold-tlv-value>
    cfm-loss-threshold-tlv-value
  </cfm-loss-threshold-tlv-value>
  <cfm-loss-threshold-tlv-flag>
    cfm-loss-threshold-tlv-flag
  </cfm-loss-threshold-tlv-flag>
</cfm-remote-mep-loss-threshold-tlv>
```

**Description** Loss Threshold TLV information in the last Last received CCM from remote MEP

### <cfm-remote-mep-loss-threshold-tlv>

#### Usage

```
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
```

```

<cfm-interface-remote-meps>
  <cfm-remote-mep>
    <cfm-remote-mep-loss-threshold-tlv>
      <cfm-loss-threshold-tlv-value>
        cfm-loss-threshold-tlv-value
      </cfm-loss-threshold-tlv-value>
      <cfm-loss-threshold-tlv-flag>
        cfm-loss-threshold-tlv-flag
      </cfm-loss-threshold-tlv-flag>
    </cfm-remote-mep-loss-threshold-tlv>
  </cfm-remote-mep>
</cfm-interface-remote-meps>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>

```

**Description** Loss Threshold TLV information in the last Last received CCM from remote MEP

### <cfm-remote-mep-loss-threshold-tlv>

#### Usage

```

<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep>
      <cfm-remote-mep-loss-threshold-tlv>
        <cfm-loss-threshold-tlv-value>
          cfm-loss-threshold-tlv-value
        </cfm-loss-threshold-tlv-value>
        <cfm-loss-threshold-tlv-flag>
          cfm-loss-threshold-tlv-flag
        </cfm-loss-threshold-tlv-flag>
      </cfm-remote-mep-loss-threshold-tlv>
    </cfm-remote-mep>
  </cfm-remote-meps>
</cfm-entry>

```

**Description** Loss Threshold TLV information in the last Last received CCM from remote MEP

### <cfm-remote-mep-loss-threshold-tlv>

#### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-remote-meps>
          <cfm-remote-mep>
            <cfm-remote-mep-loss-threshold-tlv>
              <cfm-loss-threshold-tlv-value>
                cfm-loss-threshold-tlv-value
              </cfm-loss-threshold-tlv-value>
              <cfm-loss-threshold-tlv-flag>

```

```
        cfm-loss-threshold-tlv-flag
      </cfm-loss-threshold-tlv-flag>
    </cfm-remote-mep-loss-threshold-tlv>
  </cfm-remote-mep>
</cfm-interface-remote-meps>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-interface>
```

**Description** Loss Threshold TLV information in the last Last received CCM from remote MEP

### <cfm-remote-mep-loss-threshold-tlv>

#### Usage

```
<cfm-interface>
<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep>
      <cfm-remote-mep-loss-threshold-tlv>
        <cfm-loss-threshold-tlv-value>
          cfm-loss-threshold-tlv-value
        </cfm-loss-threshold-tlv-value>
        <cfm-loss-threshold-tlv-flag>
          cfm-loss-threshold-tlv-flag
        </cfm-loss-threshold-tlv-flag>
      </cfm-remote-mep-loss-threshold-tlv>
    </cfm-remote-mep>
  </cfm-remote-meps>
</cfm-entry>
</cfm-interface>
```

**Description** Loss Threshold TLV information in the last Last received CCM from remote MEP

### <cfm-remote-mep-loss-threshold-tlv>

#### Usage

```
<cfm-mep-database>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-remote-meps>
        <cfm-remote-mep>
          <cfm-remote-mep-loss-threshold-tlv>
            <cfm-loss-threshold-tlv-value>
              cfm-loss-threshold-tlv-value
            </cfm-loss-threshold-tlv-value>
            <cfm-loss-threshold-tlv-flag>
              cfm-loss-threshold-tlv-flag
            </cfm-loss-threshold-tlv-flag>
          </cfm-remote-mep-loss-threshold-tlv>
        </cfm-remote-mep>
      </cfm-interface-remote-meps>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
</cfm-mep-database>
```



```

        </cfm-interface-remote-meps>
    </cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-database>

```

**Description** Loss Threshold TLV information in the last Last received CCM from remote MEP

### <cfm-remote-mep-loss-threshold-tlv>

#### Usage

```

<cfm-mep-database>
<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep>
      <cfm-remote-mep-loss-threshold-tlv>
        <cfm-loss-threshold-tlv-value>
          cfm-loss-threshold-tlv-value
        </cfm-loss-threshold-tlv-value>
        <cfm-loss-threshold-tlv-flag>
          cfm-loss-threshold-tlv-flag
        </cfm-loss-threshold-tlv-flag>
      </cfm-remote-mep-loss-threshold-tlv>
    </cfm-remote-mep>
  </cfm-remote-meps>
</cfm-entry>
</cfm-mep-database>

```

**Description** Loss Threshold TLV information in the last Last received CCM from remote MEP

### <cfm-remote-mep-loss-threshold-tlv>

#### Usage

```

<cfm-mep-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-remote-meps>
        <cfm-remote-mep>
          <cfm-remote-mep-loss-threshold-tlv>
            <cfm-loss-threshold-tlv-value>
              cfm-loss-threshold-tlv-value
            </cfm-loss-threshold-tlv-value>
            <cfm-loss-threshold-tlv-flag>
              cfm-loss-threshold-tlv-flag
            </cfm-loss-threshold-tlv-flag>
          </cfm-remote-mep-loss-threshold-tlv>
        </cfm-remote-mep>
      </cfm-interface-remote-meps>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>

```

```
</cfm-mep-statistics>
```

**Description** Loss Threshold TLV information in the last Last received CCM from remote MEP

### <cfm-remote-mep-loss-threshold-tlv>

**Usage**

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep>
        <cfm-remote-mep-loss-threshold-tlv>
          <cfm-loss-threshold-tlv-value>
            cfm-loss-threshold-tlv-value
          </cfm-loss-threshold-tlv-value>
          <cfm-loss-threshold-tlv-flag>
            cfm-loss-threshold-tlv-flag
          </cfm-loss-threshold-tlv-flag>
        </cfm-remote-mep-loss-threshold-tlv>
      </cfm-remote-mep>
    </cfm-remote-meps>
  </cfm-entry>
</cfm-mep-statistics>
```

**Description** Loss Threshold TLV information in the last Last received CCM from remote MEP

### <cfm-remote-mep-loss-threshold-tlv>

**Usage**

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-remote-meps>
          <cfm-remote-mep>
            <cfm-remote-mep-loss-threshold-tlv>
              <cfm-loss-threshold-tlv-value>
                cfm-loss-threshold-tlv-value
              </cfm-loss-threshold-tlv-value>
              <cfm-loss-threshold-tlv-flag>
                cfm-loss-threshold-tlv-flag
              </cfm-loss-threshold-tlv-flag>
            </cfm-remote-mep-loss-threshold-tlv>
          </cfm-remote-mep>
        </cfm-interface-remote-meps>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-delay-statistics>
```

**Description** Loss Threshold TLV information in the last Last received CCM from remote MEP

**<cfm-remote-mep-loss-threshold-tlv>****Usage**

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep>
        <cfm-remote-mep-loss-threshold-tlv>
          <cfm-loss-threshold-tlv-value>
            cfm-loss-threshold-tlv-value
          </cfm-loss-threshold-tlv-value>
          <cfm-loss-threshold-tlv-flag>
            cfm-loss-threshold-tlv-flag
          </cfm-loss-threshold-tlv-flag>
        </cfm-remote-mep-loss-threshold-tlv>
      </cfm-remote-mep>
    </cfm-remote-meps>
  </cfm-entry>
</cfm-delay-statistics>

```

**Description** Loss Threshold TLV information in the last Last received CCM from remote MEP

**<cfm-remote-mep-loss-threshold-tlv>****Usage**

```

<cfm-loss-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-remote-meps>
          <cfm-remote-mep>
            <cfm-remote-mep-loss-threshold-tlv>
              <cfm-loss-threshold-tlv-value>
                cfm-loss-threshold-tlv-value
              </cfm-loss-threshold-tlv-value>
              <cfm-loss-threshold-tlv-flag>
                cfm-loss-threshold-tlv-flag
              </cfm-loss-threshold-tlv-flag>
            </cfm-remote-mep-loss-threshold-tlv>
          </cfm-remote-mep>
        </cfm-interface-remote-meps>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-loss-statistics>

```

**Description** Loss Threshold TLV information in the last Last received CCM from remote MEP

**<cfm-remote-mep-loss-threshold-tlv>****Usage**

```

<cfm-loss-statistics>

```

```
<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep>
      <cfm-remote-mep-loss-threshold-tlv>
        <cfm-loss-threshold-tlv-value>
          cfm-loss-threshold-tlv-value
        </cfm-loss-threshold-tlv-value>
        <cfm-loss-threshold-tlv-flag>
          cfm-loss-threshold-tlv-flag
        </cfm-loss-threshold-tlv-flag>
      </cfm-remote-mep-loss-threshold-tlv>
    </cfm-remote-mep>
  </cfm-remote-meps>
</cfm-entry>
</cfm-loss-statistics>
```

**Description** Loss Threshold TLV information in the last Last received CCM from remote MEP

### <cfm-remote-mep-loss-threshold-tlv>

#### Usage

```
<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-remote-meps>
          <cfm-remote-mep>
            <cfm-remote-mep-loss-threshold-tlv>
              <cfm-loss-threshold-tlv-value>
                cfm-loss-threshold-tlv-value
              </cfm-loss-threshold-tlv-value>
              <cfm-loss-threshold-tlv-flag>
                cfm-loss-threshold-tlv-flag
              </cfm-loss-threshold-tlv-flag>
            </cfm-remote-mep-loss-threshold-tlv>
          </cfm-remote-mep>
        </cfm-interface-remote-meps>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-iterator-statistics>
```

**Description** Loss Threshold TLV information in the last Last received CCM from remote MEP

### <cfm-remote-mep-loss-threshold-tlv>

#### Usage

```
<cfm-iterator-statistics>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep>
        <cfm-remote-mep-loss-threshold-tlv>
```

```

    <cfm-loss-threshold-tlv-value>
      cfm-loss-threshold-tlv-value
    </cfm-loss-threshold-tlv-value>
    <cfm-loss-threshold-tlv-flag>
      cfm-loss-threshold-tlv-flag
    </cfm-loss-threshold-tlv-flag>
  </cfm-remote-mep-loss-threshold-tlv>
</cfm-remote-mep>
</cfm-remote-meps>
</cfm-entry>
</cfm-iterator-statistics>

```

**Description** Loss Threshold TLV information in the last Last received CCM from remote MEP

## <cfm-remote-meps>

### Usage

```

<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep-count>
      cfm-remote-mep-count
    </cfm-remote-mep-count>
    <cfm-remote-mep>....</cfm-remote-mep>
    <cfm-remote-mep-ap>....</cfm-remote-mep-ap>
  </cfm-remote-meps>
</cfm-entry>

```

### Description

## <cfm-remote-meps>

### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep-count>
        cfm-remote-mep-count
      </cfm-remote-mep-count>
      <cfm-remote-mep>....</cfm-remote-mep>
      <cfm-remote-mep-ap>....</cfm-remote-mep-ap>
    </cfm-remote-meps>
  </cfm-entry>
</cfm-interface>

```

### Description

## <cfm-remote-meps>

### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-remote-meps>

```

```
<cfm-remote-mep-count>
  cfm-remote-mep-count
</cfm-remote-mep-count>
<cfm-remote-mep>....</cfm-remote-mep>
<cfm-remote-mep-ap>....</cfm-remote-mep-ap>
</cfm-remote-meps>
</cfm-entry>
</cfm-mep-database>
```

#### Description

### <cfm-remote-meps>

#### Usage

```
<cfm-mep-statistics>
<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep-count>
      cfm-remote-mep-count
    </cfm-remote-mep-count>
    <cfm-remote-mep>....</cfm-remote-mep>
    <cfm-remote-mep-ap>....</cfm-remote-mep-ap>
  </cfm-remote-meps>
</cfm-entry>
</cfm-mep-statistics>
```

#### Description

### <cfm-remote-meps>

#### Usage

```
<cfm-delay-statistics>
<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep-count>
      cfm-remote-mep-count
    </cfm-remote-mep-count>
    <cfm-remote-mep>....</cfm-remote-mep>
    <cfm-remote-mep-ap>....</cfm-remote-mep-ap>
  </cfm-remote-meps>
</cfm-entry>
</cfm-delay-statistics>
```

#### Description

### <cfm-remote-meps>

#### Usage

```
<cfm-loss-statistics>
<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep-count>
      cfm-remote-mep-count
```

```

    </cfm-remote-mep-count>
    <cfm-remote-mep>....</cfm-remote-mep>
    <cfm-remote-mep-ap>....</cfm-remote-mep-ap>
  </cfm-remote-meps>
</cfm-entry>
</cfm-loss-statistics>

```

#### Description

### <cfm-remote-meps>

#### Usage

```

<cfm-iterator-statistics>
<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep-count>
      cfm-remote-mep-count
    </cfm-remote-mep-count>
    <cfm-remote-mep>....</cfm-remote-mep>
    <cfm-remote-mep-ap>....</cfm-remote-mep-ap>
  </cfm-remote-meps>
</cfm-entry>
</cfm-iterator-statistics>

```

#### Description

### <cfm-route-information>

#### Usage

```

<cfm-route-information>
  <cfm-route-prefix>
    cfm-route-prefix
  </cfm-route-prefix>
  <cfm-nexthop-index>
    cfm-nexthop-index
  </cfm-nexthop-index>
  <cfm-route-last-operation>
    cfm-route-last-operation
  </cfm-route-last-operation>
  <cfm-route-last-error>
    cfm-route-last-error
  </cfm-route-last-error>
  <cfm-route-statistics>
    cfm-route-statistics
  </cfm-route-statistics>
  <cfm-level>
    cfm-level
  </cfm-level>
  <cfm-route-table-index>
    cfm-route-table-index
  </cfm-route-table-index>
  <cfm-route-owner>
    cfm-route-owner
  </cfm-route-owner>

```

```
<cfm-flood-nexthop-components>....</cfm-flood-nexthop-components>
</cfm-route-information>
```

#### Description

### <cfm-route-maintenance-domain-level>

#### Usage

```
<cfm-route-maintenance-domain-level>
  <cfm-level>
    cfm-level
  </cfm-level>
  <cfm-local-mep-direction>
    cfm-local-mep-direction
  </cfm-local-mep-direction>
  <cfm-transmit-route-prefix>
    cfm-transmit-route-prefix
  </cfm-transmit-route-prefix>
  <cfm-nexthop-index>
    cfm-nexthop-index
  </cfm-nexthop-index>
  <cfm-flood-nexthop-components>....</cfm-flood-nexthop-components>
</cfm-route-maintenance-domain-level>
```

#### Description

### <cfm-route-maintenance-domain-level>

#### Usage

```
<cfm-transmit-interface-information>
  <cfm-route-maintenance-domain-level>
    <cfm-level>
      cfm-level
    </cfm-level>
    <cfm-local-mep-direction>
      cfm-local-mep-direction
    </cfm-local-mep-direction>
    <cfm-transmit-route-prefix>
      cfm-transmit-route-prefix
    </cfm-transmit-route-prefix>
    <cfm-nexthop-index>
      cfm-nexthop-index
    </cfm-nexthop-index>
    <cfm-flood-nexthop-components>....</cfm-flood-nexthop-components>
  </cfm-route-maintenance-domain-level>
</cfm-transmit-interface-information>
```

#### Description

### <cfm-route-socket-message-counters>

#### Usage

```
<cfm-route-socket-message-counters>
```



```

<cfm-route-socket-message-type>
  cfm-route-socket-message-type
</cfm-route-socket-message-type>
<cfm-route-socket-message-add>
  cfm-route-socket-message-add
</cfm-route-socket-message-add>
<cfm-route-socket-message-change>
  cfm-route-socket-message-change
</cfm-route-socket-message-change>
<cfm-route-socket-message-delete>
  cfm-route-socket-message-delete
</cfm-route-socket-message-delete>
</cfm-route-socket-message-counters>

```

#### Description

### <cfm-route-socket-message-counters>

#### Usage

```

<cfm-counters-route-socket-operations>
  <cfm-route-socket-message-counters>
    <cfm-route-socket-message-type>
      cfm-route-socket-message-type
    </cfm-route-socket-message-type>
    <cfm-route-socket-message-add>
      cfm-route-socket-message-add
    </cfm-route-socket-message-add>
    <cfm-route-socket-message-change>
      cfm-route-socket-message-change
    </cfm-route-socket-message-change>
    <cfm-route-socket-message-delete>
      cfm-route-socket-message-delete
    </cfm-route-socket-message-delete>
  </cfm-route-socket-message-counters>
</cfm-counters-route-socket-operations>

```

#### Description

### <cfm-route-socket-message-counters>

#### Usage

```

<cfm-counters-route-socket-received>
  <cfm-route-socket-message-counters>
    <cfm-route-socket-message-type>
      cfm-route-socket-message-type
    </cfm-route-socket-message-type>
    <cfm-route-socket-message-add>
      cfm-route-socket-message-add
    </cfm-route-socket-message-add>
    <cfm-route-socket-message-change>
      cfm-route-socket-message-change
    </cfm-route-socket-message-change>
    <cfm-route-socket-message-delete>
      cfm-route-socket-message-delete

```

```
</cfm-route-socket-message-delete>
</cfm-route-socket-message-counters>
</cfm-counters-route-socket-received>
```

#### Description

### <cfm-transmit-interface-information>

#### Usage

```
<cfm-transmit-interface-information>
  <cfm-interface-name>
    cfm-interface-name
  </cfm-interface-name>
  <cfm-instance-name>
    cfm-instance-name
  </cfm-instance-name>

  <cfm-route-maintenance-domain-level>....</cfm-route-maintenance-domain-level>
</cfm-transmit-interface-information>
```

#### Description

### <cfmd-internal-state>

#### Usage

```
<cfmd-internal-state>
  <cfm-session-count>
    cfm-session-count
  </cfm-session-count>
  <cfm-session-created-count>
    cfm-session-created-count
  </cfm-session-created-count>
  <cfm-session-deleted-count>
    cfm-session-deleted-count
  </cfm-session-deleted-count>
  <cfm-session-freed-count>
    cfm-session-freed-count
  </cfm-session-freed-count>
  <cfm-vpls>
    cfm-vpls
  </cfm-vpls>
  <cfm-token-based-forwarding>
    cfm-token-based-forwarding
  </cfm-token-based-forwarding>
  <cfm-forwarding-table-filtering-simulation>
    cfm-forwarding-table-filtering-simulation
  </cfm-forwarding-table-filtering-simulation>
  <cfm-hardware-assist-flooding>
    cfm-hardware-assist-flooding
  </cfm-hardware-assist-flooding>
  <cfm-gres-flood-resynchronization>
    cfm-gres-flood-resynchronization
  </cfm-gres-flood-resynchronization>
  <cfm-shared-interface-filters>
```

```

    cfm-shared-interface-filters
  </cfm-shared-interface-filters>
  <cfm-hw-timestamping>
    cfm-hw-timestamping
  </cfm-hw-timestamping>
  <cfm-mark-connection-protection-tlv>
    cfm-mark-connection-protection-tlv
  </cfm-mark-connection-protection-tlv>
  <cfm-ppmd-connection-state>
    cfm-ppmd-connection-state
  </cfm-ppmd-connection-state>
  <cfm-ppmd-flow-state>
    cfm-ppmd-flow-state
  </cfm-ppmd-flow-state>
  <cfm-ppmd-job-state>
    cfm-ppmd-job-state
  </cfm-ppmd-job-state>
  <cfm-ppmd-blocked-count>
    cfm-ppmd-blocked-count
  </cfm-ppmd-blocked-count>
  <cfm-dfwd-connection-state>
    cfm-dfwd-connection-state
  </cfm-dfwd-connection-state>
  <cfm-dfwd-reconnect-count>
    cfm-dfwd-reconnect-count
  </cfm-dfwd-reconnect-count>
  <cfm-dfwd-requests-sent>
    cfm-dfwd-requests-sent
  </cfm-dfwd-requests-sent>
  <cfm-dfwd-requests-accepted>
    cfm-dfwd-requests-accepted
  </cfm-dfwd-requests-accepted>
  <cfm-dfwd-requests-rejected>
    cfm-dfwd-requests-rejected
  </cfm-dfwd-requests-rejected>
  <cfm-dfwd-requests-lost>
    cfm-dfwd-requests-lost
  </cfm-dfwd-requests-lost>
  <cfm-dfwd-pending-transactions>....</cfm-dfwd-pending-transactions>
  <cfm-dfwd-policer-instance-info>....</cfm-dfwd-policer-instance-info>
</cfmd-internal-state>

```

## Description

## Summary of Chassis Response Tags

### <ac-input-detail>

#### Usage

```

<power-usage-information>
  <power-usage-item>
    <ac-input-detail>
      <ac-input>
        ac-input
      </ac-input>
    </ac-input-detail>
  </power-usage-item>
</power-usage-information>

```

```
</ac-input>
<ac-expect-feed>
  ac-expect-feed
</ac-expect-feed>
<ac-actual-feed>
  ac-actual-feed
</ac-actual-feed>
</ac-input-detail>
</power-usage-item>
</power-usage-information>
```

#### Description

### <airflow-direction>

#### Usage

```
<environment-component-information>
  <environment-component-item>
    <airflow-direction>
      <airflow>
        airflow
      </airflow>
      <direction>
        direction
      </direction>
    </airflow-direction>
  </environment-component-item>
</environment-component-information>
```

#### Description

### <alarm-indicators>

#### Usage

```
<alarm-indicators>
  <red-led>
    red-led
  </red-led>
  <yellow-led>
    yellow-led
  </yellow-led>
  <major-alarm-relay>
    major-alarm-relay
  </major-alarm-relay>
  <minor-alarm-relay>
    minor-alarm-relay
  </minor-alarm-relay>
</alarm-indicators>
```

**Description** Information about alarms from the craft interface

## <alarm-indicators>

### Usage

```
<front-panel>
  <alarm-indicators>
    <red-led>
      red-led
    </red-led>
    <yellow-led>
      yellow-led
    </yellow-led>
    <major-alarm-relay>
      major-alarm-relay
    </major-alarm-relay>
    <minor-alarm-relay>
      minor-alarm-relay
    </minor-alarm-relay>
  </alarm-indicators>
</front-panel>
```

**Description** Information about alarms from the craft interface

## <alarm-indicators>

### Usage

```
<craft-information>
  <front-panel>
    <alarm-indicators>
      <red-led>
        red-led
      </red-led>
      <yellow-led>
        yellow-led
      </yellow-led>
      <major-alarm-relay>
        major-alarm-relay
      </major-alarm-relay>
      <minor-alarm-relay>
        minor-alarm-relay
      </minor-alarm-relay>
    </alarm-indicators>
  </front-panel>
</craft-information>
```

**Description** Information about alarms from the craft interface

## <cb>

### Usage

```
<cb-panel>
  <cb>
    <slot>
```

```
    slot
  </slot>
  <amber-led>
    amber-led
  </amber-led>
  <green-led>
    green-led
  </green-led>
  <blue-led>
    blue-led
  </blue-led>
</cb>
</cb-panel>
```

**Description** State of status LEDs on a Control Board

## <cb>

### Usage

```
<craft-information>
  <cb-panel>
    <cb>
      <slot>
        slot
      </slot>
      <amber-led>
        amber-led
      </amber-led>
      <green-led>
        green-led
      </green-led>
      <blue-led>
        blue-led
      </blue-led>
    </cb>
  </cb-panel>
</craft-information>
```

**Description** State of status LEDs on a Control Board

## <cb-panel>

### Usage

```
<cb-panel>
  <cb>....</cb>
</cb-panel>
```

**Description** State of status LEDs on one or more Control Boards

### <cb-panel>

**Usage**

```
<craft-information>
  <cb-panel>
    <cb>....</cb>
  </cb-panel>
</craft-information>
```

**Description** State of status LEDs on one or more Control Boards

### <cfm-ok-fail-led>

**Usage**

```
<cfm-ok-fail-led>
  <red-led>
    red-led
  </red-led>
  <yellow-led>
    yellow-led
  </yellow-led>
  <amber-led>
    amber-led
  </amber-led>
</cfm-ok-fail-led>
```

**Description** State of the CFM Ok/Fail LED on the craft interface

### <cfm-ok-fail-led>

**Usage**

```
<recb-panel>
  <cfm-ok-fail-led>
    <red-led>
      red-led
    </red-led>
    <yellow-led>
      yellow-led
    </yellow-led>
    <amber-led>
      amber-led
    </amber-led>
  </cfm-ok-fail-led>
</recb-panel>
```

**Description** State of the CFM Ok/Fail LED on the craft interface

### <cfm-ok-fail-led>

#### Usage

```
<craft-information>
  <recb-panel>
    <cfm-ok-fail-led>
      <red-led>
        red-led
      </red-led>
      <yellow-led>
        yellow-led
      </yellow-led>
      <amber-led>
        amber-led
      </amber-led>
    </cfm-ok-fail-led>
  </recb-panel>
</craft-information>
```

**Description** State of the CFM Ok/Fail LED on the craft interface

### <cfm-service-led>

#### Usage

```
<cfm-service-led>
  <red-led>
    red-led
  </red-led>
  <yellow-led>
    yellow-led
  </yellow-led>
  <amber-led>
    amber-led
  </amber-led>
</cfm-service-led>
```

**Description** State of the CFM Service LED on the craft interface

### <cfm-service-led>

#### Usage

```
<recb-panel>
  <cfm-service-led>
    <red-led>
      red-led
    </red-led>
    <yellow-led>
      yellow-led
    </yellow-led>
    <amber-led>
      amber-led
    </amber-led>
```



```

    </cfm-service-led>
  </recb-panel>

```

**Description** State of the CFM Service LED on the craft interface

## <cfm-service-led>

### Usage

```

<craft-information>
  <recb-panel>
    <cfm-service-led>
      <red-led>
        red-led
      </red-led>
      <yellow-led>
        yellow-led
      </yellow-led>
      <amber-led>
        amber-led
      </amber-led>
    </cfm-service-led>
  </recb-panel>
</craft-information>

```

**Description** State of the CFM Service LED on the craft interface

## <chassis>

### Usage

```

<chassis-inventory>
  <chassis>
    <hardware-incomplete>
      hardware-incomplete
    </hardware-incomplete>
    <name>
      name
    </name>
    <version>
      version
    </version>
    <part-number>
      part-number
    </part-number>
    <serial-number>
      serial-number
    </serial-number>
    <model-number>
      model-number
    </model-number>
    <clei-code>
      clei-code
    </clei-code>
  </chassis>
</chassis-inventory>

```

```
<description>
  description
</description>
<i2c-information>....</i2c-information>
<chassis-module>....</chassis-module>
</chassis>
</chassis-inventory>
```

**Description** Hardware inventory of this chassis

## <chassis>

### Usage

```
<firmware-information>
<chassis>
  <hardware-incomplete>
    hardware-incomplete
  </hardware-incomplete>
  <name>
    name
  </name>
  <version>
    version
  </version>
  <part-number>
    part-number
  </part-number>
  <serial-number>
    serial-number
  </serial-number>
  <model-number>
    model-number
  </model-number>
  <clei-code>
    clei-code
  </clei-code>
  <description>
    description
  </description>
  <i2c-information>....</i2c-information>
  <chassis-module>....</chassis-module>
</chassis>
</firmware-information>
```

**Description** Hardware inventory of this chassis

## <chassis>

### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassis-inventory>
```

```

<chassis>
  <hardware-incomplete>
    hardware-incomplete
  </hardware-incomplete>
  <name>
    name
  </name>
  <version>
    version
  </version>
  <part-number>
    part-number
  </part-number>
  <serial-number>
    serial-number
  </serial-number>
  <model-number>
    model-number
  </model-number>
  <clei-code>
    clei-code
  </clei-code>
  <description>
    description
  </description>
  <i2c-information>....</i2c-information>
  <chassis-module>....</chassis-module>
</chassis>
</chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description** Hardware inventory of this chassis

## <chassis>

### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <firmware-information>
      <chassis>
        <hardware-incomplete>
          hardware-incomplete
        </hardware-incomplete>
        <name>
          name
        </name>
        <version>
          version
        </version>
        <part-number>
          part-number
        </part-number>
        <serial-number>

```

```
        serial-number
      </serial-number>
      <model-number>
        model-number
      </model-number>
      <clei-code>
        clei-code
      </clei-code>
      <description>
        description
      </description>
      <i2c-information>....</i2c-information>
      <chassis-module>....</chassis-module>
    </chassis>
  </firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description** Hardware inventory of this chassis

### <chassis-beacon-information>

#### Usage

```
<chassis-beacon-information>
  <chassis-beacon-item>....</chassis-beacon-item>
</chassis-beacon-information>
```

**Description** Beacon states for chassis

### <chassis-beacon-item>

#### Usage

```
<chassis-beacon-information>
  <chassis-beacon-item>
    <beacon-name>
      beacon-name
    </beacon-name>
    <beacon-state>
      beacon-state
    </beacon-state>
  </chassis-beacon-item>
</chassis-beacon-information>
```

**Description**

### <chassis-fabric-card-information-internal>

#### Usage

```
<chassis-fabric-card-information-internal>
  <card-pos>
    card-pos
```

```

</card-pos>
<card-slot>
  card-slot
</card-slot>
<card-type>
  card-type
</card-type>
<management-status>
  management-status
</management-status>
<hw-status>
  hw-status
</hw-status>
<min-chip-id>
  min-chip-id
</min-chip-id>
<max-chip-id>
  max-chip-id
</max-chip-id>
</chassis-fabric-card-information-internal>

```

#### Description

### <chassis-fabric-card-information-internal>

#### Usage

```

<chassis-fabric-information>
  <chassis-fabric-card-information-internal>
    <card-pos>
      card-pos
    </card-pos>
    <card-slot>
      card-slot
    </card-slot>
    <card-type>
      card-type
    </card-type>
    <management-status>
      management-status
    </management-status>
    <hw-status>
      hw-status
    </hw-status>
    <min-chip-id>
      min-chip-id
    </min-chip-id>
    <max-chip-id>
      max-chip-id
    </max-chip-id>
  </chassis-fabric-card-information-internal>
</chassis-fabric-information>

```

#### Description

### <chassis-fabric-ccpc-incoming-links-header>

#### Usage

```
<chassis-fabric-ccpc-incoming-links-header>
  <card-detail>
    card-detail
  </card-detail>
  <card-slot-num>
    card-slot-num
  </card-slot-num>
</chassis-fabric-ccpc-incoming-links-header>
```

#### Description

### <chassis-fabric-ccpc-incoming-links-header>

#### Usage

```
<chassis-fabric-information>
  <chassis-fabric-ccpc-incoming-links-header>
    <card-detail>
      card-detail
    </card-detail>
    <card-slot-num>
      card-slot-num
    </card-slot-num>
  </chassis-fabric-ccpc-incoming-links-header>
</chassis-fabric-information>
```

#### Description

### <chassis-fabric-ccpc-incoming-links-header>

#### Usage

```
<chassis-fabric-connectivity>
  <chassis-fabric-ccpc-incoming-links-header>
    <card-detail>
      card-detail
    </card-detail>
    <card-slot-num>
      card-slot-num
    </card-slot-num>
  </chassis-fabric-ccpc-incoming-links-header>
</chassis-fabric-connectivity>
```

#### Description

### <chassis-fabric-ccpc-outgoing-links-header>

#### Usage

```
<chassis-fabric-ccpc-outgoing-links-header>
  <card-detail>
    card-detail
```

```

</card-detail>
<card-slot-num>
  card-slot-num
</card-slot-num>
</chassis-fabric-ccpc-outgoing-links-header>

```

#### Description

### <chassis-fabric-ccpc-outgoing-links-header>

#### Usage

```

<chassis-fabric-information>
  <chassis-fabric-ccpc-outgoing-links-header>
    <card-detail>
      card-detail
    </card-detail>
    <card-slot-num>
      card-slot-num
    </card-slot-num>
  </chassis-fabric-ccpc-outgoing-links-header>
</chassis-fabric-information>

```

#### Description

### <chassis-fabric-ccpc-outgoing-links-header>

#### Usage

```

<chassis-fabric-connectivity>
  <chassis-fabric-ccpc-outgoing-links-header>
    <card-detail>
      card-detail
    </card-detail>
    <card-slot-num>
      card-slot-num
    </card-slot-num>
  </chassis-fabric-ccpc-outgoing-links-header>
</chassis-fabric-connectivity>

```

#### Description

### <chassis-fabric-chip-down-links-internal>

#### Usage

```

<chassis-fabric-chip-down-links-internal>
  <src-chip>
    src-chip
  </src-chip>
  <src-port>
    src-port
  </src-port>
  <dst-chip>
    dst-chip
  </dst-chip>

```

```
<dst-port>
  dst-port
</dst-port>
</chassis-fabric-chip-down-links-internal>
```

#### Description

### <chassis-fabric-chip-down-links-internal>

#### Usage

```
<chassis-fabric-information>
  <chassis-fabric-chip-down-links-internal>
    <src-chip>
      src-chip
    </src-chip>
    <src-port>
      src-port
    </src-port>
    <dst-chip>
      dst-chip
    </dst-chip>
    <dst-port>
      dst-port
    </dst-port>
  </chassis-fabric-chip-down-links-internal>
</chassis-fabric-information>
```

#### Description

### <chassis-fabric-chip-error-links-internal>

#### Usage

```
<chassis-fabric-chip-error-links-internal>
  <src-chip>
    src-chip
  </src-chip>
  <src-port>
    src-port
  </src-port>
  <dst-chip>
    dst-chip
  </dst-chip>
  <dst-port>
    dst-port
  </dst-port>
</chassis-fabric-chip-error-links-internal>
```

#### Description

### <chassis-fabric-chip-error-links-internal>

#### Usage

```
<chassis-fabric-information>
```



```
<chassis-fabric-chip-error-links-internal>
  <src-chip>
    src-chip
  </src-chip>
  <src-port>
    src-port
  </src-port>
  <dst-chip>
    dst-chip
  </dst-chip>
  <dst-port>
    dst-port
  </dst-port>
</chassis-fabric-chip-error-links-internal>
</chassis-fabric-information>
```

#### Description

### <chassis-fabric-chip-in-links-internal>

#### Usage

```
<chassis-fabric-chip-in-links-internal>
  <src-chip>
    src-chip
  </src-chip>
  <src-port>
    src-port
  </src-port>
  <dst-chip>
    dst-chip
  </dst-chip>
  <dst-port>
    dst-port
  </dst-port>
  <management-status>
    management-status
  </management-status>
  <hw-status>
    hw-status
  </hw-status>
</chassis-fabric-chip-in-links-internal>
```

#### Description

### <chassis-fabric-chip-in-links-internal>

#### Usage

```
<chassis-fabric-information>
  <chassis-fabric-chip-in-links-internal>
    <src-chip>
      src-chip
    </src-chip>
    <src-port>
      src-port
```

```
</src-port>
<dst-chip>
  dst-chip
</dst-chip>
<dst-port>
  dst-port
</dst-port>
<management-status>
  management-status
</management-status>
<hw-status>
  hw-status
</hw-status>
</chassis-fabric-chip-in-links-internal>
</chassis-fabric-information>
```

#### Description

### <chassis-fabric-chip-information-internal>

#### Usage

```
<chassis-fabric-chip-information-internal>
  <chip-id>
    chip-id
  </chip-id>
  <chip-type>
    chip-type
  </chip-type>
  <management-status>
    management-status
  </management-status>
  <hw-status>
    hw-status
  </hw-status>
</chassis-fabric-chip-information-internal>
```

#### Description

### <chassis-fabric-chip-information-internal>

#### Usage

```
<chassis-fabric-information>
  <chassis-fabric-chip-information-internal>
    <chip-id>
      chip-id
    </chip-id>
    <chip-type>
      chip-type
    </chip-type>
    <management-status>
      management-status
    </management-status>
    <hw-status>
      hw-status
    </hw-status>
  </chassis-fabric-chip-information-internal>
</chassis-fabric-information>
```

```
</hw-status>
</chassis-fabric-chip-information-internal>
</chassis-fabric-information>
```

#### Description

### <chassis-fabric-chip-out-links-internal>

#### Usage

```
<chassis-fabric-chip-out-links-internal>
  <src-chip>
    src-chip
  </src-chip>
  <src-port>
    src-port
  </src-port>
  <dst-chip>
    dst-chip
  </dst-chip>
  <dst-port>
    dst-port
  </dst-port>
  <management-status>
    management-status
  </management-status>
  <hw-status>
    hw-status
  </hw-status>
</chassis-fabric-chip-out-links-internal>
```

#### Description

### <chassis-fabric-chip-out-links-internal>

#### Usage

```
<chassis-fabric-information>
  <chassis-fabric-chip-out-links-internal>
    <src-chip>
      src-chip
    </src-chip>
    <src-port>
      src-port
    </src-port>
    <dst-chip>
      dst-chip
    </dst-chip>
    <dst-port>
      dst-port
    </dst-port>
    <management-status>
      management-status
    </management-status>
    <hw-status>
      hw-status
  </chassis-fabric-chip-out-links-internal>
</chassis-fabric-information>
```

```
</hw-status>
</chassis-fabric-chip-out-links-internal>
</chassis-fabric-information>
```

#### Description

### <chassis-fabric-chip-up-links-internal>

#### Usage

```
<chassis-fabric-chip-up-links-internal>
  <src-chip>
    src-chip
  </src-chip>
  <src-port>
    src-port
  </src-port>
  <dst-chip>
    dst-chip
  </dst-chip>
  <dst-port>
    dst-port
  </dst-port>
</chassis-fabric-chip-up-links-internal>
```

#### Description

### <chassis-fabric-chip-up-links-internal>

#### Usage

```
<chassis-fabric-information>
  <chassis-fabric-chip-up-links-internal>
    <src-chip>
      src-chip
    </src-chip>
    <src-port>
      src-port
    </src-port>
    <dst-chip>
      dst-chip
    </dst-chip>
    <dst-port>
      dst-port
    </dst-port>
  </chassis-fabric-chip-up-links-internal>
</chassis-fabric-information>
```

#### Description

### <chassis-fabric-connectivity>

#### Usage

```
<chassis-fabric-connectivity>
  <device-id>
```

```

    device-id
  </device-id>
  <chassis-type>
    chassis-type
  </chassis-type>
  <chassis-fabric-links-header>....</chassis-fabric-links-header>

<chassis-fabric-ccpc-incoming-links-header>....</chassis-fabric-ccpc-incoming-links-header>

<chassis-fabric-ccpc-outgoing-links-header>....</chassis-fabric-ccpc-outgoing-links-header>

  <chassis-fabric-links>....</chassis-fabric-links>
</chassis-fabric-connectivity>

```

## Description

### <chassis-fabric-information>

#### Usage

```

<chassis-fabric-information>
  <device-id>
    device-id
  </device-id>
  <chassis-type>
    chassis-type
  </chassis-type>
  <management-status>
    management-status
  </management-status>
  <hw-status>
    hw-status
  </hw-status>
  <chassis-fabric-links-header>....</chassis-fabric-links-header>

<chassis-fabric-ccpc-incoming-links-header>....</chassis-fabric-ccpc-incoming-links-header>

<chassis-fabric-ccpc-outgoing-links-header>....</chassis-fabric-ccpc-outgoing-links-header>

  <chassis-fabric-links>....</chassis-fabric-links>
  <chassis-fabric-information-internal>....</chassis-fabric-information-internal>

<chassis-fabric-card-information-internal>....</chassis-fabric-card-information-internal>

<chassis-fabric-chip-information-internal>....</chassis-fabric-chip-information-internal>

  <chassis-fabric-chip-in-links-internal>....</chassis-fabric-chip-in-links-internal>
  <chassis-fabric-chip-out-links-internal>....</chassis-fabric-chip-out-links-internal>

  <chassis-fabric-chip-up-links-internal>....</chassis-fabric-chip-up-links-internal>

  <chassis-fabric-chip-down-links-internal>....</chassis-fabric-chip-down-links-internal>

```

```
<chassis-fabric-chip-error-links-internal>....</chassis-fabric-chip-error-links-internal>
</chassis-fabric-information>
```

#### Description

### <chassis-fabric-information-device>

#### Usage

```
<chassis-fabric-information-device>
  <device-id>
    device-id
  </device-id>
  <chassis-type>
    chassis-type
  </chassis-type>
  <management-status>
    management-status
  </management-status>
  <hw-status>
    hw-status
  </hw-status>
  <chassis-fabric-information-internal>....</chassis-fabric-information-internal>
</chassis-fabric-information-device>
```

#### Description

### <chassis-fabric-information-internal>

#### Usage

```
<chassis-fabric-information-internal>
  <chassis-id>
    chassis-id
  </chassis-id>
  <min-chip-id>
    min-chip-id
  </min-chip-id>
  <max-chip-id>
    max-chip-id
  </max-chip-id>
</chassis-fabric-information-internal>
```

#### Description

### <chassis-fabric-information-internal>

#### Usage

```
<chassis-fabric-information>
  <chassis-fabric-information-internal>
    <chassis-id>
      chassis-id
    </chassis-id>
```

```
<min-chip-id>  
  min-chip-id  
</min-chip-id>  
<max-chip-id>  
  max-chip-id  
</max-chip-id>  
</chassis-fabric-information-internal>  
</chassis-fabric-information>
```

#### Description

### <chassis-fabric-information-internal>

#### Usage

```
<chassis-fabric-spray-weight-information>  
  <chassis-fabric-information-internal>  
    <chassis-id>  
      chassis-id  
    </chassis-id>  
    <min-chip-id>  
      min-chip-id  
    </min-chip-id>  
    <max-chip-id>  
      max-chip-id  
    </max-chip-id>  
  </chassis-fabric-information-internal>  
</chassis-fabric-spray-weight-information>
```

#### Description

### <chassis-fabric-information-internal>

#### Usage

```
<chassis-fabric-information-device>  
  <chassis-fabric-information-internal>  
    <chassis-id>  
      chassis-id  
    </chassis-id>  
    <min-chip-id>  
      min-chip-id  
    </min-chip-id>  
    <max-chip-id>  
      max-chip-id  
    </max-chip-id>  
  </chassis-fabric-information-internal>  
</chassis-fabric-information-device>
```

#### Description

### <chassis-fabric-links>

#### Usage

```
<chassis-fabric-links>
```

```
<src-link>
  src-link
</src-link>
<dst-link>
  dst-link
</dst-link>
<hw-status>
  hw-status
</hw-status>
</chassis-fabric-links>
```

#### Description

**<chassis-fabric-links>**

#### Usage

```
<chassis-fabric-information>
  <chassis-fabric-links>
    <src-link>
      src-link
    </src-link>
    <dst-link>
      dst-link
    </dst-link>
    <hw-status>
      hw-status
    </hw-status>
  </chassis-fabric-links>
</chassis-fabric-information>
```

#### Description

**<chassis-fabric-links>**

#### Usage

```
<chassis-fabric-connectivity>
  <chassis-fabric-links>
    <src-link>
      src-link
    </src-link>
    <dst-link>
      dst-link
    </dst-link>
    <hw-status>
      hw-status
    </hw-status>
  </chassis-fabric-links>
</chassis-fabric-connectivity>
```

#### Description



### <chassis-fabric-links-header>

#### Usage

```
<chassis-fabric-links-header>
  <fm-space-tab>
    fm-space-tab
  </fm-space-tab>
</chassis-fabric-links-header>
```

#### Description

### <chassis-fabric-links-header>

#### Usage

```
<chassis-fabric-information>
  <chassis-fabric-links-header>
    <fm-space-tab>
      fm-space-tab
    </fm-space-tab>
  </chassis-fabric-links-header>
</chassis-fabric-information>
```

#### Description

### <chassis-fabric-links-header>

#### Usage

```
<chassis-fabric-connectivity>
  <chassis-fabric-links-header>
    <fm-space-tab>
      fm-space-tab
    </fm-space-tab>
  </chassis-fabric-links-header>
</chassis-fabric-connectivity>
```

#### Description

### <chassis-fabric-spray-weight-card-information>

#### Usage

```
<chassis-fabric-spray-weight-card-information>
  <card-pos>
    card-pos
  </card-pos>
  <card-slot>
    card-slot
  </card-slot>
  <card-type>
    card-type
  </card-type>
</chassis-fabric-spray-weight-card-information>
```

**Description****<chassis-fabric-spray-weight-card-information>****Usage**

```
<chassis-fabric-spray-weight-information>
  <chassis-fabric-spray-weight-card-information>
    <card-pos>
      card-pos
    </card-pos>
    <card-slot>
      card-slot
    </card-slot>
    <card-type>
      card-type
    </card-type>
  </chassis-fabric-spray-weight-card-information>
</chassis-fabric-spray-weight-information>
```

**Description****<chassis-fabric-spray-weight-chip-information>****Usage**

```
<chassis-fabric-spray-weight-chip-information>
  <chip-num>
    chip-num
  </chip-num>
  <chip-type>
    chip-type
  </chip-type>
</chassis-fabric-spray-weight-chip-information>
```

**Description****<chassis-fabric-spray-weight-chip-information>****Usage**

```
<chassis-fabric-spray-weight-information>
  <chassis-fabric-spray-weight-chip-information>
    <chip-num>
      chip-num
    </chip-num>
    <chip-type>
      chip-type
    </chip-type>
  </chassis-fabric-spray-weight-chip-information>
</chassis-fabric-spray-weight-information>
```

**Description**

### <chassis-fabric-spray-weight-chip-information-internal>

#### Usage

```
<chassis-fabric-spray-weight-chip-information-internal>
  <chip-id>
    chip-id
  </chip-id>
  <chip-type>
    chip-type
  </chip-type>
</chassis-fabric-spray-weight-chip-information-internal>
```

#### Description

### <chassis-fabric-spray-weight-chip-information-internal>

#### Usage

```
<chassis-fabric-spray-weight-information>
  <chassis-fabric-spray-weight-chip-information-internal>
    <chip-id>
      chip-id
    </chip-id>
    <chip-type>
      chip-type
    </chip-type>
  </chassis-fabric-spray-weight-chip-information-internal>
</chassis-fabric-spray-weight-information>
```

#### Description

### <chassis-fabric-spray-weight-cumulative>

#### Usage

```
<chassis-fabric-spray-weight-cumulative>
  <vpfe-id>
    vpfe-id
  </vpfe-id>
  <spray-cumulative-weight>
    spray-cumulative-weight
  </spray-cumulative-weight>
  <spray-max-links-to-destination>
    spray-max-links-to-destination
  </spray-max-links-to-destination>
  <spray-destination-mask>
    spray-destination-mask
  </spray-destination-mask>
</chassis-fabric-spray-weight-cumulative>
```

#### Description

## <chassis-fabric-spray-weight-cumulative>

### Usage

```
<chassis-fabric-spray-weight-information>
  <chassis-fabric-spray-weight-cumulative>
    <vpfe-id>
      vpfe-id
    </vpfe-id>
    <spray-cumulative-weight>
      spray-cumulative-weight
    </spray-cumulative-weight>
    <spray-max-links-to-destination>
      spray-max-links-to-destination
    </spray-max-links-to-destination>
    <spray-destination-mask>
      spray-destination-mask
    </spray-destination-mask>
  </chassis-fabric-spray-weight-cumulative>
</chassis-fabric-spray-weight-information>
```

### Description

## <chassis-fabric-spray-weight-information>

### Usage

```
<chassis-fabric-spray-weight-information>
  <device-id>
    device-id
  </device-id>
  <chassis-type>
    chassis-type
  </chassis-type>

  <chassis-fabric-spray-weight-card-information>....</chassis-fabric-spray-weight-card-information>

  <chassis-fabric-spray-weight-chip-information>....</chassis-fabric-spray-weight-chip-information>

  <chassis-fabric-spray-weights-on-four-links>....</chassis-fabric-spray-weights-on-four-links>

  <chassis-fabric-spray-weights-on-eight-links>....</chassis-fabric-spray-weights-on-eight-links>

  <chassis-fabric-spray-weights-on-eight-links-value>...</chassis-fabric-spray-weights-on-eight-links-value>

  <chassis-fabric-spray-weight-cumulative>....</chassis-fabric-spray-weight-cumulative>

  <chassis-fabric-information-internal>....</chassis-fabric-information-internal>

  <chassis-fabric-spray-weight-chip-information-internal>...</chassis-fabric-spray-weight-chip-information-internal>
```

</chassis-fabric-spray-weight-information>

#### Description

<chassis-fabric-spray-weights-on-eight-links>

#### Usage

```
<chassis-fabric-spray-weights-on-eight-links>
  <vpfe-id>
    vpfe-id
  </vpfe-id>
  <spray-weight0>
    spray-weight0
  </spray-weight0>
  <spray-weight1>
    spray-weight1
  </spray-weight1>
  <spray-weight2>
    spray-weight2
  </spray-weight2>
  <spray-weight3>
    spray-weight3
  </spray-weight3>
  <spray-weight4>
    spray-weight4
  </spray-weight4>
  <spray-weight5>
    spray-weight5
  </spray-weight5>
  <spray-weight6>
    spray-weight6
  </spray-weight6>
  <spray-weight7>
    spray-weight7
  </spray-weight7>
</chassis-fabric-spray-weights-on-eight-links>
```

#### Description

<chassis-fabric-spray-weights-on-eight-links>

#### Usage

```
<chassis-fabric-spray-weight-information>
  <chassis-fabric-spray-weights-on-eight-links>
    <vpfe-id>
      vpfe-id
    </vpfe-id>
    <spray-weight0>
      spray-weight0
    </spray-weight0>
    <spray-weight1>
      spray-weight1
    </spray-weight1>
    <spray-weight2>
```

```
spray-weight2
</spray-weight2>
<spray-weight3>
  spray-weight3
</spray-weight3>
<spray-weight4>
  spray-weight4
</spray-weight4>
<spray-weight5>
  spray-weight5
</spray-weight5>
<spray-weight6>
  spray-weight6
</spray-weight6>
<spray-weight7>
  spray-weight7
</spray-weight7>
</chassis-fabric-spray-weights-on-eight-links>
</chassis-fabric-spray-weight-information>
```

#### Description

<chassis-fabric-spray-weights-on-eight-links-value>

#### Usage

```
<chassis-fabric-spray-weights-on-eight-links-value>
  <vpfe-id>
    vpfe-id
  </vpfe-id>
  <spray-weight0>
    spray-weight0
  </spray-weight0>
  <spray-weight1>
    spray-weight1
  </spray-weight1>
  <spray-weight2>
    spray-weight2
  </spray-weight2>
  <spray-weight3>
    spray-weight3
  </spray-weight3>
  <spray-weight4>
    spray-weight4
  </spray-weight4>
  <spray-weight5>
    spray-weight5
  </spray-weight5>
  <spray-weight6>
    spray-weight6
  </spray-weight6>
  <spray-weight7>
    spray-weight7
  </spray-weight7>
</chassis-fabric-spray-weights-on-eight-links-value>
```

## Description

## &lt;chassis-fabric-spray-weights-on-eight-links-value&gt;

## Usage

```

<chassis-fabric-spray-weight-information>
  <chassis-fabric-spray-weights-on-eight-links-value>
    <vpfe-id>
      vpfe-id
    </vpfe-id>
    <spray-weight0>
      spray-weight0
    </spray-weight0>
    <spray-weight1>
      spray-weight1
    </spray-weight1>
    <spray-weight2>
      spray-weight2
    </spray-weight2>
    <spray-weight3>
      spray-weight3
    </spray-weight3>
    <spray-weight4>
      spray-weight4
    </spray-weight4>
    <spray-weight5>
      spray-weight5
    </spray-weight5>
    <spray-weight6>
      spray-weight6
    </spray-weight6>
    <spray-weight7>
      spray-weight7
    </spray-weight7>
  </chassis-fabric-spray-weights-on-eight-links-value>
</chassis-fabric-spray-weight-information>

```

## Description

## &lt;chassis-fabric-spray-weights-on-four-links&gt;

## Usage

```

<chassis-fabric-spray-weights-on-four-links>
  <vpfe-id>
    vpfe-id
  </vpfe-id>
  <spray-weight0>
    spray-weight0
  </spray-weight0>
  <spray-weight1>
    spray-weight1
  </spray-weight1>
  <spray-weight2>
    spray-weight2
  </spray-weight2>

```

```
<spray-weight3>
  spray-weight3
</spray-weight3>
</chassis-fabric-spray-weights-on-four-links>
```

#### Description

### <chassis-fabric-spray-weights-on-four-links>

#### Usage

```
<chassis-fabric-spray-weight-information>
  <chassis-fabric-spray-weights-on-four-links>
    <vpfe-id>
      vpfe-id
    </vpfe-id>
    <spray-weight0>
      spray-weight0
    </spray-weight0>
    <spray-weight1>
      spray-weight1
    </spray-weight1>
    <spray-weight2>
      spray-weight2
    </spray-weight2>
    <spray-weight3>
      spray-weight3
    </spray-weight3>
  </chassis-fabric-spray-weights-on-four-links>
</chassis-fabric-spray-weight-information>
```

#### Description

### <chassis-inventory>

#### Usage

```
<chassis-inventory>
  <chassis>....</chassis>
</chassis-inventory>
```

#### Description

### <chassis-inventory>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassis-inventory>
      <chassis>....</chassis>
    </chassis-inventory>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```



**Description****<chassis-location>****Usage**

```
<chassis-location>
  <chassis-location-information>....</chassis-location-information>
</chassis-location>
```

**Description****<chassis-location-fpc>****Usage**

```
<chassis-location-fpc>
  <chassis-location-fpc-information>....</chassis-location-fpc-information>
</chassis-location-fpc>
```

**Description****<chassis-location-fpc-information>****Usage**

```
<chassis-location-fpc-information>
  <global-fpc-number>
    global-fpc-number
  </global-fpc-number>
  <lcc-number>
    lcc-number
  </lcc-number>
  <local-fpc-number>
    local-fpc-number
  </local-fpc-number>
</chassis-location-fpc-information>
```

**Description****<chassis-location-fpc-information>****Usage**

```
<chassis-location-fpc>
  <chassis-location-fpc-information>
    <global-fpc-number>
      global-fpc-number
    </global-fpc-number>
    <lcc-number>
      lcc-number
    </lcc-number>
    <local-fpc-number>
      local-fpc-number
    </local-fpc-number>
  </chassis-location-fpc-information>
```

</chassis-location-fpc>

#### Description

<chassis-location-information>

#### Usage

```
<chassis-location-information>
  <country-code>
    country-code
  </country-code>
  <postal-code>
    postal-code
  </postal-code>
  <npa-nxx>
    npa-nxx
  </npa-nxx>
  <latitude>
    latitude
  </latitude>
  <longitude>
    longitude
  </longitude>
  <altitude>
    altitude
  </altitude>
  <lata>
    lata
  </lata>
  <vcoord>
    vcoord
  </vcoord>
  <hcoord>
    hcoord
  </hcoord>
  <building>
    building
  </building>
  <floor>
    floor
  </floor>
  <rack>
    rack
  </rack>
</chassis-location-information>
```

#### Description

<chassis-location-information>

#### Usage

```
<chassis-location>
  <chassis-location-information>
    <country-code>
```

```
    country-code
  </country-code>
  <postal-code>
    postal-code
  </postal-code>
  <npa-nxx>
    npa-nxx
  </npa-nxx>
  <latitude>
    latitude
  </latitude>
  <longitude>
    longitude
  </longitude>
  <altitude>
    altitude
  </altitude>
  <lata>
    lata
  </lata>
  <vcoord>
    vcoord
  </vcoord>
  <hcoord>
    hcoord
  </hcoord>
  <building>
    building
  </building>
  <floor>
    floor
  </floor>
  <rack>
    rack
  </rack>
</chassis-location-information>
</chassis-location>
```

#### Description

#### <chassis-location-information>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassis-location-information>
      <country-code>
        country-code
      </country-code>
      <postal-code>
        postal-code
      </postal-code>
      <npa-nxx>
        npa-nxx
      </npa-nxx>
```

```
<latitude>
  latitude
</latitude>
<longitude>
  longitude
</longitude>
<altitude>
  altitude
</altitude>
<lata>
  lata
</lata>
<vcoord>
  vcoord
</vcoord>
<hcoord>
  hcoord
</hcoord>
<building>
  building
</building>
<floor>
  floor
</floor>
<rack>
  rack
</rack>
</chassis-location-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

### <chassis-module>

#### Usage

```
<chassis-inventory>
<chassis>
  <chassis-module>
    <name>
      name
    </name>
    <version>
      version
    </version>
    <part-number>
      part-number
    </part-number>
    <serial-number>
      serial-number
    </serial-number>
    <model-number>
      model-number
    </model-number>
    <clei-code>
```

```

    clei-code
  </clei-code>
  <description>
    description
  </description>
  <i2c-information>....</i2c-information>
  <firmware>....</firmware>
  <chassis-sub-module>....</chassis-sub-module>
  <chassis-re-disk-module>....</chassis-re-disk-module>
  <chassis-re-usb-module>....</chassis-re-usb-module>
  <chassis-re-dimm-module>....</chassis-re-dimm-module>
</chassis-module>
</chassis>
</chassis-inventory>

```

## Description

### <chassis-module>

#### Usage

```

<firmware-information>
<chassis>
  <chassis-module>
    <name>
      name
    </name>
    <version>
      version
    </version>
    <part-number>
      part-number
    </part-number>
    <serial-number>
      serial-number
    </serial-number>
    <model-number>
      model-number
    </model-number>
    <clei-code>
      clei-code
    </clei-code>
    <description>
      description
    </description>
    <i2c-information>....</i2c-information>
    <firmware>....</firmware>
    <chassis-sub-module>....</chassis-sub-module>
    <chassis-re-disk-module>....</chassis-re-disk-module>
    <chassis-re-usb-module>....</chassis-re-usb-module>
    <chassis-re-dimm-module>....</chassis-re-dimm-module>
  </chassis-module>
</chassis>
</firmware-information>

```

**Description****<chassis-module>****Usage**

```
<multi-routing-engine-results>
<multi-routing-engine-item>
  <chassis-inventory>
    <chassis>
      <chassis-module>
        <name>
          name
        </name>
        <version>
          version
        </version>
        <part-number>
          part-number
        </part-number>
        <serial-number>
          serial-number
        </serial-number>
        <model-number>
          model-number
        </model-number>
        <clei-code>
          clei-code
        </clei-code>
        <description>
          description
        </description>
        <i2c-information>....</i2c-information>
        <firmware>....</firmware>
        <chassis-sub-module>....</chassis-sub-module>
        <chassis-re-disk-module>....</chassis-re-disk-module>
        <chassis-re-usb-module>....</chassis-re-usb-module>
        <chassis-re-dimm-module>....</chassis-re-dimm-module>
      </chassis-module>
    </chassis>
  </chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description****<chassis-module>****Usage**

```
<multi-routing-engine-results>
<multi-routing-engine-item>
  <firmware-information>
    <chassis>
      <chassis-module>
        <name>
          name
        </name>
      </chassis-module>
    </chassis>
  </firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

```

</name>
<version>
  version
</version>
<part-number>
  part-number
</part-number>
<serial-number>
  serial-number
</serial-number>
<model-number>
  model-number
</model-number>
<clei-code>
  clei-code
</clei-code>
<description>
  description
</description>
<i2c-information>....</i2c-information>
<firmware>....</firmware>
<chassis-sub-module>....</chassis-sub-module>
<chassis-re-disk-module>....</chassis-re-disk-module>
<chassis-re-usb-module>....</chassis-re-usb-module>
<chassis-re-dimm-module>....</chassis-re-dimm-module>
</chassis-module>
</chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

### <chassis-re-dimm-module>

#### Usage

```

<chassis-inventory>
<chassis>
  <chassis-module>
    <chassis-re-dimm-module>
      <name>
        name
      </name>
      <part-number>
        part-number
      </part-number>
      <die-rev>
        die-rev
      </die-rev>
      <pcb-rev>
        pcb-rev
      </pcb-rev>
      <mfr-id>
        mfr-id
      </mfr-id>
    </chassis-re-dimm-module>
  </chassis-module>
</chassis>
</chassis-inventory>

```

```
</chassis-re-dimm-module>
</chassis-module>
</chassis>
</chassis-inventory>
```

#### Description

### <chassis-re-dimm-module>

#### Usage

```
<firmware-information>
<chassis>
<chassis-module>
<chassis-re-dimm-module>
  <name>
    name
  </name>
  <part-number>
    part-number
  </part-number>
  <die-rev>
    die-rev
  </die-rev>
  <pcb-rev>
    pcb-rev
  </pcb-rev>
  <mfr-id>
    mfr-id
  </mfr-id>
</chassis-re-dimm-module>
</chassis-module>
</chassis>
</firmware-information>
```

#### Description

### <chassis-re-dimm-module>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<chassis-inventory>
<chassis>
<chassis-module>
<chassis-re-dimm-module>
  <name>
    name
  </name>
  <part-number>
    part-number
  </part-number>
  <die-rev>
    die-rev
  </die-rev>
```



```

        <pcb-rev>
        pcb-rev
      </pcb-rev>
      <mfr-id>
      mfr-id
    </mfr-id>
  </chassis-re-dimm-module>
</chassis-module>
</chassis>
</chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

#### <chassis-re-dimm-module>

##### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <firmware-information>
      <chassis>
        <chassis-module>
          <chassis-re-dimm-module>
            <name>
            name
          </name>
          <part-number>
          part-number
        </part-number>
        <die-rev>
        die-rev
      </die-rev>
      <pcb-rev>
      pcb-rev
    </pcb-rev>
    <mfr-id>
    mfr-id
  </mfr-id>
  </chassis-re-dimm-module>
</chassis-module>
</chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

#### <chassis-re-disk-module>

##### Usage

```

<chassis-inventory>
  <chassis>
    <chassis-module>

```

```
<chassis-re-disk-module>
  <name>
    name
  </name>
  <model>
    model
  </model>
  <serial-number>
    serial-number
  </serial-number>
  <disk-size>
    disk-size
  </disk-size>
  <description>
    description
  </description>
</chassis-re-disk-module>
</chassis-module>
</chassis>
</chassis-inventory>
```

#### Description

**<chassis-re-disk-module>**

#### Usage

```
<firmware-information>
  <chassis>
    <chassis-module>
      <chassis-re-disk-module>
        <name>
          name
        </name>
        <model>
          model
        </model>
        <serial-number>
          serial-number
        </serial-number>
        <disk-size>
          disk-size
        </disk-size>
        <description>
          description
        </description>
      </chassis-re-disk-module>
    </chassis-module>
  </chassis>
</firmware-information>
```

#### Description

## <chassis-re-disk-module>

### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassis-inventory>
      <chassis>
        <chassis-module>
          <chassis-re-disk-module>
            <name>
              name
            </name>
            <model>
              model
            </model>
            <serial-number>
              serial-number
            </serial-number>
            <disk-size>
              disk-size
            </disk-size>
            <description>
              description
            </description>
          </chassis-re-disk-module>
        </chassis-module>
      </chassis>
    </chassis-inventory>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

### Description

## <chassis-re-disk-module>

### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <firmware-information>
      <chassis>
        <chassis-module>
          <chassis-re-disk-module>
            <name>
              name
            </name>
            <model>
              model
            </model>
            <serial-number>
              serial-number
            </serial-number>
            <disk-size>
              disk-size
            </disk-size>
```

```
<description>
  description
</description>
</chassis-re-disk-module>
</chassis-module>
</chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <chassis-re-usb-module>

#### Usage

```
<chassis-inventory>
<chassis>
  <chassis-module>
    <chassis-re-usb-module>
      <name>
        name
      </name>
      <product>
        product
      </product>
      <product-number>
        product-number
      </product-number>
      <vendor>
        vendor
      </vendor>
      <description>
        description
      </description>
    </chassis-re-usb-module>
  </chassis-module>
</chassis>
</chassis-inventory>
```

#### Description

### <chassis-re-usb-module>

#### Usage

```
<firmware-information>
<chassis>
  <chassis-module>
    <chassis-re-usb-module>
      <name>
        name
      </name>
      <product>
        product
      </product>
```

```
<product-number>
  product-number
</product-number>
<vendor>
  vendor
</vendor>
<description>
  description
</description>
</chassis-re-usb-module>
</chassis-module>
</chassis>
</firmware-information>
```

#### Description

**<chassis-re-usb-module>**

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassis-inventory>
      <chassis>
        <chassis-module>
          <chassis-re-usb-module>
            <name>
              name
            </name>
            <product>
              product
            </product>
            <product-number>
              product-number
            </product-number>
            <vendor>
              vendor
            </vendor>
            <description>
              description
            </description>
          </chassis-re-usb-module>
        </chassis-module>
      </chassis>
    </chassis-inventory>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

**<chassis-re-usb-module>**

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
```

```
<firmware-information>
  <chassis>
    <chassis-module>
      <chassis-re-usb-module>
        <name>
          name
        </name>
        <product>
          product
        </product>
        <product-number>
          product-number
        </product-number>
        <vendor>
          vendor
        </vendor>
        <description>
          description
        </description>
      </chassis-re-usb-module>
    </chassis-module>
  </chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

### <chassis-sub-module>

#### Usage

```
<chassis-inventory>
  <chassis>
    <chassis-module>
      <chassis-sub-module>
        <name>
          name
        </name>
        <version>
          version
        </version>
        <part-number>
          part-number
        </part-number>
        <serial-number>
          serial-number
        </serial-number>
        <model-number>
          model-number
        </model-number>
        <clei-code>
          clei-code
        </clei-code>
        <description>
          description
```

```

</description>
<i2c-information>....</i2c-information>
<firmware>....</firmware>
<chassis-sub-sub-module>....</chassis-sub-sub-module>
</chassis-sub-module>
</chassis-module>
</chassis>
</chassis-inventory>

```

## Description

### <chassis-sub-module>

#### Usage

```

<firmware-information>
<chassis>
  <chassis-module>
    <chassis-sub-module>
      <name>
        name
      </name>
      <version>
        version
      </version>
      <part-number>
        part-number
      </part-number>
      <serial-number>
        serial-number
      </serial-number>
      <model-number>
        model-number
      </model-number>
      <clei-code>
        clei-code
      </clei-code>
      <description>
        description
      </description>
      <i2c-information>....</i2c-information>
      <firmware>....</firmware>
      <chassis-sub-sub-module>....</chassis-sub-sub-module>
    </chassis-sub-module>
  </chassis-module>
</chassis>
</firmware-information>

```

## Description

### <chassis-sub-module>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>

```

```
<chassis-inventory>
  <chassis>
    <chassis-module>
      <chassis-sub-module>
        <name>
          name
        </name>
        <version>
          version
        </version>
        <part-number>
          part-number
        </part-number>
        <serial-number>
          serial-number
        </serial-number>
        <model-number>
          model-number
        </model-number>
        <clei-code>
          clei-code
        </clei-code>
        <description>
          description
        </description>
        <i2c-information>....</i2c-information>
        <firmware>....</firmware>
        <chassis-sub-sub-module>....</chassis-sub-sub-module>
      </chassis-sub-module>
    </chassis-module>
  </chassis>
</chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

### <chassis-sub-module>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <firmware-information>
      <chassis>
        <chassis-module>
          <chassis-sub-module>
            <name>
              name
            </name>
            <version>
              version
            </version>
            <part-number>
              part-number
            </part-number>
```



```

    <serial-number>
      serial-number
    </serial-number>
    <model-number>
      model-number
    </model-number>
    <clei-code>
      clei-code
    </clei-code>
    <description>
      description
    </description>
    <i2c-information>....</i2c-information>
    <firmware>....</firmware>
    <chassis-sub-sub-module>....</chassis-sub-sub-module>
  </chassis-sub-module>
</chassis-module>
</chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

### <chassis-sub-sub-module>

#### Usage

```

<chassis-inventory>
  <chassis>
    <chassis-module>
      <chassis-sub-module>
        <chassis-sub-sub-module>
          <name>
            name
          </name>
          <version>
            version
          </version>
          <part-number>
            part-number
          </part-number>
          <serial-number>
            serial-number
          </serial-number>
          <model-number>
            model-number
          </model-number>
          <clei-code>
            clei-code
          </clei-code>
          <description>
            description
          </description>
          <chassis-sub-sub-sub-module>....</chassis-sub-sub-sub-module>
        </chassis-sub-sub-module>
      </chassis-sub-module>
    </chassis-module>
  </chassis>
</chassis-inventory>

```

```
</chassis-sub-module>
</chassis-module>
</chassis>
</chassis-inventory>
```

#### Description

### <chassis-sub-sub-module>

#### Usage

```
<firmware-information>
<chassis>
<chassis-module>
<chassis-sub-module>
<chassis-sub-sub-module>
  <name>
    name
  </name>
  <version>
    version
  </version>
  <part-number>
    part-number
  </part-number>
  <serial-number>
    serial-number
  </serial-number>
  <model-number>
    model-number
  </model-number>
  <clei-code>
    clei-code
  </clei-code>
  <description>
    description
  </description>
  <chassis-sub-sub-sub-module>....</chassis-sub-sub-sub-module>
</chassis-sub-sub-module>
</chassis-sub-module>
</chassis-module>
</chassis>
</firmware-information>
```

#### Description

### <chassis-sub-sub-module>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<chassis-inventory>
<chassis>
<chassis-module>
<chassis-sub-module>
```

```

<chassis-sub-sub-module>
  <name>
    name
  </name>
  <version>
    version
  </version>
  <part-number>
    part-number
  </part-number>
  <serial-number>
    serial-number
  </serial-number>
  <model-number>
    model-number
  </model-number>
  <clei-code>
    clei-code
  </clei-code>
  <description>
    description
  </description>
  <chassis-sub-sub-sub-module>....</chassis-sub-sub-sub-module>
</chassis-sub-sub-module>
</chassis-sub-module>
</chassis-module>
</chassis>
</chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

### Description

#### <chassis-sub-sub-module>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <firmware-information>
      <chassis>
        <chassis-module>
          <chassis-sub-module>
            <chassis-sub-sub-module>
              <name>
                name
              </name>
              <version>
                version
              </version>
              <part-number>
                part-number
              </part-number>
              <serial-number>
                serial-number
              </serial-number>
            
```

```
<model-number>
  model-number
</model-number>
<clei-code>
  clei-code
</clei-code>
<description>
  description
</description>
<chassis-sub-sub-sub-module>....</chassis-sub-sub-sub-module>
</chassis-sub-sub-module>
</chassis-sub-module>
</chassis-module>
</chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

### <chassis-sub-sub-sub-module>

#### Usage

```
<chassis-inventory>
<chassis>
  <chassis-module>
    <chassis-sub-module>
      <chassis-sub-sub-module>
        <chassis-sub-sub-sub-module>
          <name>
            name
          </name>
          <version>
            version
          </version>
          <part-number>
            part-number
          </part-number>
          <serial-number>
            serial-number
          </serial-number>
          <model-number>
            model-number
          </model-number>
          <clei-code>
            clei-code
          </clei-code>
          <description>
            description
          </description>
        </chassis-sub-sub-sub-module>
      </chassis-sub-sub-module>
    </chassis-sub-module>
  </chassis-module>
</chassis>
```

</chassis-inventory>

#### Description

### <chassis-sub-sub-sub-module>

#### Usage

```
<firmware-information>
<chassis>
  <chassis-module>
    <chassis-sub-module>
      <chassis-sub-sub-module>
        <chassis-sub-sub-sub-module>
          <name>
            name
          </name>
          <version>
            version
          </version>
          <part-number>
            part-number
          </part-number>
          <serial-number>
            serial-number
          </serial-number>
          <model-number>
            model-number
          </model-number>
          <clei-code>
            clei-code
          </clei-code>
          <description>
            description
          </description>
        </chassis-sub-sub-sub-module>
      </chassis-sub-sub-module>
    </chassis-sub-module>
  </chassis-module>
</chassis>
</firmware-information>
```

#### Description

### <chassis-sub-sub-sub-module>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<chassis-inventory>
  <chassis>
    <chassis-module>
      <chassis-sub-module>
        <chassis-sub-sub-module>
          <chassis-sub-sub-sub-module>
```

```
<name>
  name
</name>
<version>
  version
</version>
<part-number>
  part-number
</part-number>
<serial-number>
  serial-number
</serial-number>
<model-number>
  model-number
</model-number>
<clei-code>
  clei-code
</clei-code>
<description>
  description
</description>
</chassis-sub-sub-sub-module>
</chassis-sub-module>
</chassis-module>
</chassis>
</chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

### <chassis-sub-sub-sub-module>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<firmware-information>
<chassis>
<chassis-module>
<chassis-sub-module>
<chassis-sub-sub-module>
<chassis-sub-sub-sub-module>
<name>
  name
</name>
<version>
  version
</version>
<part-number>
  part-number
</part-number>
<serial-number>
  serial-number
</serial-number>
```

```

        <model-number>
            model-number
        </model-number>
        <clei-code>
            clei-code
        </clei-code>
        <description>
            description
        </description>
    </chassis-sub-sub-sub-module>
</chassis-sub-sub-module>
</chassis-module>
</chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

### <chassis-zones-information>

#### Usage

```

<chassis-zones-information>
  <name>
    name
  </name>
  <temperature>
    temperature
  </temperature>
  <zone-status>
    zone-status
  </zone-status>
  <comment>
    comment
  </comment>
  <fan-missing-cnt>
    fan-missing-cnt
  </fan-missing-cnt>
  <fan-failed-cnt>
    fan-failed-cnt
  </fan-failed-cnt>
  <fan-dutycycle>
    fan-dutycycle
  </fan-dutycycle>
  <fru-name>
    fru-name
  </fru-name>
  <cooling-fru-name>
    cooling-fru-name
  </cooling-fru-name>
  <fru-temp-status>
    fru-temp-status
  </fru-temp-status>
  <fru-fan-status>

```

```
    fru-fan-status
  </fru-fan-status>
  <fru-status>
    fru-status
  </fru-status>
  <fru-temperature>
    fru-temperature
  </fru-temperature>
  <fru-comment>
    fru-comment
  </fru-comment>
  <cooled-frus>....</cooled-frus>
  <cooling-frus>....</cooling-frus>
</chassis-zones-information>
```

**Description** Show chassis cooling zones

### <chassisd-database-memory-usage>

#### Usage

```
<chassisd-database-memory-usage>
  <database-memory-usage>....</database-memory-usage>
</chassisd-database-memory-usage>
```

#### Description

### <chassisd-database-memory-usage>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassisd-database-memory-usage>
      <database-memory-usage>....</database-memory-usage>
    </chassisd-database-memory-usage>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <clock-synchronization>

#### Usage

```
<clock-synchronization-information>
  <clock-synchronization>
    <clock-fru>
      clock-fru
    </clock-fru>
    <mastership-state>
      mastership-state
    </mastership-state>
    <signal-type>
      signal-type
```



```

</signal-type>
<switching-mode>
  switching-mode
</switching-mode>
<line-termination>
  line-termination
</line-termination>
<transmit>
  transmit
</transmit>
<validation-interval>
  validation-interval
</validation-interval>
<automatic-switching>
  automatic-switching
</automatic-switching>
<marked-as-failed-source-list>....</marked-as-failed-source-list>
<synchronization-source-list>....</synchronization-source-list>
</clock-synchronization>
</clock-synchronization-information>

```

#### Description

### <clock-synchronization-information>

#### Usage

```

<clock-synchronization-information>
  <clock-synchronization>....</clock-synchronization>
</clock-synchronization-information>

```

#### Description

### <configured-source>

#### Usage

```

<clock-synchronization-information>
  <clock-synchronization>
    <synchronization-source-list>
      <configured-source-list>
        <configured-source>
          <source-priority>
            source-priority
          </source-priority>
          <source-name>
            source-name
          </source-name>
          <deviation>
            deviation
          </deviation>
          <last-deviation>
            last-deviation
          </last-deviation>
          <status>
            status

```

```
    </status>
  </configured-source>
</configured-source-list>
</synchronization-source-list>
</clock-synchronization>
</clock-synchronization-information>
```

#### Description

### <configured-source-list>

#### Usage

```
<clock-synchronization-information>
  <clock-synchronization>
    <synchronization-source-list>
      <configured-source-list>
        <configured-source>....</configured-source>
      </configured-source-list>
    </synchronization-source-list>
  </clock-synchronization>
</clock-synchronization-information>
```

#### Description

### <controller-information>

#### Usage

```
<poe>
  <controller-information>
    <controller-number>
      controller-number
    </controller-number>
    <controller-firmware-available>
      controller-firmware-available
    </controller-firmware-available>
    <controller-maxpower>
      controller-maxpower
    </controller-maxpower>
    <controller-power>
      controller-power
    </controller-power>
    <controller-asterisk>
      controller-asterisk
    </controller-asterisk>
    <controller-guardband>
      controller-guardband
    </controller-guardband>
    <controller-management>
      controller-management
    </controller-management>
    <controller-status>
      controller-status
    </controller-status>
  </controller-information>
```

</poe>

#### Description

<cooled-frus>

#### Usage

```
<chassis-zones-information>
  <cooled-frus>
</cooled-frus>
</chassis-zones-information>
```

#### Description

<cooling-frus>

#### Usage

```
<chassis-zones-information>
  <cooling-frus>
</cooling-frus>
</chassis-zones-information>
```

#### Description

<craft-information>

#### Usage

```
<craft-information>
  <front-panel>....</front-panel>
  <recb-panel>....</recb-panel>
  <mcs-panel>....</mcs-panel>
  <sfm-panel>....</sfm-panel>
  <pcg-panel>....</pcg-panel>
  <cb-panel>....</cb-panel>
  <sib-panel>....</sib-panel>
  <scg-panel>....</scg-panel>
  <feb-panel>....</feb-panel>
  <power-supply-panel>....</power-supply-panel>
  <fan-tray-panel>....</fan-tray-panel>
  <output>
    output
  </output>
</craft-information>
```

**Description** Information from the craft interface and, if applicable, the state of the status LEDs on the front panels of other components installed in the chassis

<craft-lcd-led-information>

#### Usage

```
<craft-lcd-led-information>
```

```
<front-panel-lcd>....</front-panel-lcd>
<front-panel-title>....</front-panel-title>
<display-panel-lcd>....</display-panel-lcd>
<display-row-1>
  display-row-1
</display-row-1>
<display-row-2>
  display-row-2
</display-row-2>
<name>
  name
</name>
</craft-lcd-led-information>
```

**Description** Information from the LCD interface and, if applicable, theof the status LEDs on the front panels of other components installedin the chassis

## <current-source>

### Usage

```
<clock-synchronization-information>
<clock-synchronization>
  <synchronization-source-list>
    <current-source>
      <clock-state>
        clock-state
      </clock-state>
      <up-time>
        up-time
      </up-time>
      <active-time>
        active-time
      </active-time>
      <deviation>
        deviation
      </deviation>
      <last-deviation>
        last-deviation
      </last-deviation>
    </current-source>
  </synchronization-source-list>
</clock-synchronization>
</clock-synchronization-information>
```

### Description

## <data-center-fabric-information>

### Usage

```
<data-center-fabric-information>
</data-center-fabric-information>
```

**Description** DataCenterFabric option DTD for SFC

### <database-memory-usage>

#### Usage

```
<database-memory-usage>
  <database-size>
    database-size
  </database-size>
  <database-allocated-size>
    database-allocated-size
  </database-allocated-size>
  <database-free-size>
    database-free-size
  </database-free-size>
</database-memory-usage>
```

#### Description

### <database-memory-usage>

#### Usage

```
<chassisd-database-memory-usage>
  <database-memory-usage>
    <database-size>
      database-size
    </database-size>
    <database-allocated-size>
      database-allocated-size
    </database-allocated-size>
    <database-free-size>
      database-free-size
    </database-free-size>
  </database-memory-usage>
</chassisd-database-memory-usage>
```

#### Description

### <database-memory-usage>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassisd-database-memory-usage>
      <database-memory-usage>
        <database-size>
          database-size
        </database-size>
        <database-allocated-size>
          database-allocated-size
        </database-allocated-size>
        <database-free-size>
          database-free-size
      </database-memory-usage>
    </chassisd-database-memory-usage>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

```
</database-free-size>
</database-memory-usage>
</chassisd-database-memory-usage>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

#### <dc-detail>

##### Usage

```
<environment-component-information>
<environment-component-item>
<dc-information>
<dc-detail>
<dc-device>
  dc-device
</dc-device>
<dc-voltage>
  dc-voltage
</dc-voltage>
<dc-current>
  dc-current
</dc-current>
<dc-power>
  dc-power
</dc-power>
<dc-load>
  dc-load
</dc-load>
</dc-detail>
</dc-information>
</environment-component-item>
</environment-component-information>
```

**Description** Detailed DC information

#### <dc-detail2>

##### Usage

```
<environment-component-information>
<environment-component-item>
<dc-information>
<dc-detail2>
<dc-device2>
  dc-device2
</dc-device2>
<dc-voltage-string>
  dc-voltage-string
</dc-voltage-string>
<dc-current-string>
  dc-current-string
</dc-current-string>
```

```

    <dc-power-string>
      dc-power-string
    </dc-power-string>
    <dc-load-string>
      dc-load-string
    </dc-load-string>
  </dc-detail2>
</dc-information>
</environment-component-item>
</environment-component-information>

```

**Description** Detailed DC information

## <dc-information>

### Usage

```

<environment-component-information>
  <environment-component-item>
    <dc-information>
      <dc-input>
        dc-input
      </dc-input>
      <dc-output>
        dc-output
      </dc-output>
      <dc-detail>....</dc-detail>
      <dc-detail2>....</dc-detail2>
    </dc-information>
  </environment-component-item>
</environment-component-information>

```

**Description**

## <dc-input-detail>

### Usage

```

<power-usage-information>
  <power-usage-item>
    <dc-input-detail>
      <dc-input>
        dc-input
      </dc-input>
      <reference-voltage>
        reference-voltage
      </reference-voltage>
      <actual-voltage>
        actual-voltage
      </actual-voltage>
      <dc-expect-feed>
        dc-expect-feed
      </dc-expect-feed>
      <dc-actual-feed>
        dc-actual-feed

```

```
</dc-actual-feed>
</dc-input-detail>
</power-usage-item>
</power-usage-information>
```

**Description****<dc-output-detail>****Usage**

```
<power-usage-information>
  <power-usage-item>
    <dc-output-detail>
      <dc-voltage>
        dc-voltage
      </dc-voltage>
      <dc-current>
        dc-current
      </dc-current>
      <dc-power>
        dc-power
      </dc-power>
      <dc-load>
        dc-load
      </dc-load>
      <zone>
        zone
      </zone>
    </dc-output-detail>
  </power-usage-item>
</power-usage-information>
```

**Description****<display-line>****Usage**

```
<display-panel>
  <display-line>
  </display-line>
</display-panel>
```

**Description** Single line of text currently appearing on the craft interface display

**<display-line>****Usage**

```
<front-panel>
  <display-panel>
    <display-line>
    </display-line>
  </display-panel>
```



</front-panel>

**Description** Single line of text currently appearing on the craft interface display

### <display-line>

**Usage**

```
<craft-information>
  <front-panel>
    <display-panel>
      <display-line>
      </display-line>
    </display-panel>
  </front-panel>
</craft-information>
```

**Description** Single line of text currently appearing on the craft interface display

### <display-panel>

**Usage**

```
<display-panel>
  <display-line>....</display-line>
</display-panel>
```

**Description** Text currently appearing on the craft interface display

### <display-panel>

**Usage**

```
<front-panel>
  <display-panel>
    <display-line>....</display-line>
  </display-panel>
</front-panel>
```

**Description** Text currently appearing on the craft interface display

### <display-panel>

**Usage**

```
<craft-information>
  <front-panel>
    <display-panel>
      <display-line>....</display-line>
    </display-panel>
  </front-panel>
</craft-information>
```

**Description** Text currently appearing on the craft interface display

### <display-panel-lcd>

#### Usage

```
<front-panel-lcd>
  <display-panel-lcd>
    <display-row-1>
      display-row-1
    </display-row-1>
    <display-row-2>
      display-row-2
    </display-row-2>
  </display-panel-lcd>
</front-panel-lcd>
```

**Description** Text currently appearing on the LCD interface display

### <display-panel-lcd>

#### Usage

```
<craft-lcd-led-information>
  <front-panel-lcd>
    <display-panel-lcd>
      <display-row-1>
        display-row-1
      </display-row-1>
      <display-row-2>
        display-row-2
      </display-row-2>
    </display-panel-lcd>
  </front-panel-lcd>
</craft-lcd-led-information>
```

**Description** Text currently appearing on the LCD interface display

### <display-panel-lcd>

#### Usage

```
<craft-lcd-led-information>
  <display-panel-lcd>
    <display-row-1>
      display-row-1
    </display-row-1>
    <display-row-2>
      display-row-2
    </display-row-2>
  </display-panel-lcd>
</craft-lcd-led-information>
```

**Description** Text currently appearing on the LCD interface display

### <environment-component-information>

#### Usage

```
<environment-component-information>
  <environment-component-item>....</environment-component-item>
</environment-component-information>
```

#### Description

### <environment-component-item>

#### Usage

```
<environment-component-information>
  <environment-component-item>
    <name>
      name
    </name>
    <state>
      state
    </state>
    <temperature-reading>....</temperature-reading>
    <bus-revision>
      bus-revision
    </bus-revision>
    <cmb-revision>
      cmb-revision
    </cmb-revision>
    <fpga-revision>
      fpga-revision
    </fpga-revision>
    <fpga-revision-detail>....</fpga-revision-detail>
    <slave-revision>
      slave-revision
    </slave-revision>
    <reason>
      reason
    </reason>
    <revision>....</revision>
    <slave-registers-information>....</slave-registers-information>
    <fpga-registers>....</fpga-registers>
    <power-information>....</power-information>
    <frequency>
      frequency
    </frequency>
    <pcg-frequency>....</pcg-frequency>
    <dc-information>....</dc-information>
    <load>
      load
    </load>
    <ac-input>
      ac-input
    </ac-input>
```

```
<pmbus-table>....</pmbus-table>
<airflow-direction>....</airflow-direction>
<input-voltage>....</input-voltage>
<output-detail>....</output-detail>
</environment-component-item>
</environment-component-information>
```

**Description** Chassis environment component

### <environment-information>

#### Usage

```
<environment-information>
  <environment-item>....</environment-item>
</environment-information>
```

#### Description

### <environment-information>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <environment-information>
      <environment-item>....</environment-item>
    </environment-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <environment-item>

#### Usage

```
<environment-information>
  <environment-item>
    <class>
      class
    </class>
    <name>
      name
    </name>
    <status>
      status
    </status>
    <temperature>
      temperature
    </temperature>
    <comment>
      comment
    </comment>
  </environment-item>
```

</environment-information>

#### Description

### <environment-item>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <environment-information>
      <environment-item>
        <class>
          class
        </class>
        <name>
          name
        </name>
        <status>
          status
        </status>
        <temperature>
          temperature
        </temperature>
        <comment>
          comment
        </comment>
      </environment-item>
    </environment-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <fab-reachability-action>

#### Usage

```
<fm-fabric-reachability-information>
  <fab-reachability-action>
    <act-reason>
      act-reason
    </act-reason>
    <current-act>
      current-act
    </current-act>
    <init-phase>
      init-phase
    </init-phase>
    <current-phase>
      current-phase
    </current-phase>
    <current-phase-status>
      current-phase-status
    </current-phase-status>
    <act-start-time>
```

```
    act-start-time
  </act-start-time>
  <plane-restart-phase-status>
    plane-restart-phase-status
  </plane-restart-phase-status>
  <plane-restart-start-time>
    plane-restart-start-time
  </plane-restart-start-time>
  <plane-restart-list>
    plane-restart-list
  </plane-restart-list>
  <plane-timeout-list>
    plane-timeout-list
  </plane-timeout-list>
  <plane-restart-planes-offline>
    plane-restart-planes-offline
  </plane-restart-planes-offline>
  <plane-restart-planes-offline-time>
    plane-restart-planes-offline-time
  </plane-restart-planes-offline-time>
  <plane-restart-planes-online>
    plane-restart-planes-online
  </plane-restart-planes-online>
  <plane-restart-planes-online-time>
    plane-restart-planes-online-time
  </plane-restart-planes-online-time>
  <plane-restart-end-time>
    plane-restart-end-time
  </plane-restart-end-time>
  <plane-fpc-restart-phase-status>
    plane-fpc-restart-phase-status
  </plane-fpc-restart-phase-status>
  <plane-fpc-restart-start-time>
    plane-fpc-restart-start-time
  </plane-fpc-restart-start-time>
  <fpc-offline-start-time>
    fpc-offline-start-time
  </fpc-offline-start-time>
  <fpc-offline-list>
    fpc-offline-list
  </fpc-offline-list>
  <fpc-offline-current>
    fpc-offline-current
  </fpc-offline-current>
  <fpc-offline-time>
    fpc-offline-time
  </fpc-offline-time>
  <fpc-offline-end-time>
    fpc-offline-end-time
  </fpc-offline-end-time>
  <fpc-online-start-time>
    fpc-online-start-time
  </fpc-online-start-time>
  <fpc-online-list>
    fpc-online-list
  </fpc-online-list>
```

```

<fpc-online-current>
  fpc-online-current
</fpc-online-current>
<fpc-online-time>
  fpc-online-time
</fpc-online-time>
<fpc-online-end-time>
  fpc-online-end-time
</fpc-online-end-time>
<fpc-restart-list>
  fpc-restart-list
</fpc-restart-list>
<fpc-restart-time>
  fpc-restart-time
</fpc-restart-time>
<fpc-offline-timeout-list>
  fpc-offline-timeout-list
</fpc-offline-timeout-list>
<fpc-online-timeout-list>
  fpc-online-timeout-list
</fpc-online-timeout-list>
<plane-fpc-restart-phase-end-time>
  plane-fpc-restart-phase-end-time
</plane-fpc-restart-phase-end-time>
<fpc-offline-phase-status>
  fpc-offline-phase-status
</fpc-offline-phase-status>
<fpc-offline-phase-start-time>
  fpc-offline-phase-start-time
</fpc-offline-phase-start-time>
<fpc-offline-phase-end-time>
  fpc-offline-phase-end-time
</fpc-offline-phase-end-time>
<act-end-time>
  act-end-time
</act-end-time>
</fab-reachability-action>
</fm-fabric-reachability-information>

```

## Description

### <fab-reachability-detect>

#### Usage

```

<fm-fabric-reachability-information>
  <fab-reachability-detect>
    <unreach-dests>
      unreach-dests
    </unreach-dests>
    <detect-time>
      detect-time
    </detect-time>
    <unreachability-reason>
      unreachability-reason
    </unreachability-reason>
  </fab-reachability-detect>
</fm-fabric-reachability-information>

```

```
</fab-reachability-detect>
</fm-fabric-reachability-information>
```

#### Description

### <fabric-mx-upgrade-bw>

#### Usage

```
<fabric-mx-upgrade-bw>
  <fpc-fabric-upgrade-bw-info-item>....</fpc-fabric-upgrade-bw-info-item>

  <fpc-fabric-upgrade-bw-retrain-single-item>....</fpc-fabric-upgrade-bw-retrain-single-item>

  <fpc-fabric-upgrade-bw-retrain-summary-item>....</fpc-fabric-upgrade-bw-retrain-summary-item>

</fabric-mx-upgrade-bw>
```

#### Description

### <fan-information>

#### Usage

```
<fan-information>
  <name>
    name
  </name>
  <status>
    status
  </status>
  <rpm>
    rpm
  </rpm>
  <comment>
    comment
  </comment>
  <fan-information-item>....</fan-information-item>
</fan-information>
```

#### Description

### <fan-information-item>

#### Usage

```
<fan-information>
  <fan-information-item>
</fan-information-item>
</fan-information>
```

#### Description



### <fan-tray>

#### Usage

```
<fan-tray-panel>  
  <fan-tray>  
    <slot>  
      slot  
    </slot>  
    <red-led>  
      red-led  
    </red-led>  
    <green-led>  
      green-led  
    </green-led>  
  </fan-tray>  
</fan-tray-panel>
```

**Description** State of the status LEDs on the craft interface for a fan tray

### <fan-tray>

#### Usage

```
<craft-information>  
  <fan-tray-panel>  
    <fan-tray>  
      <slot>  
        slot  
      </slot>  
      <red-led>  
        red-led  
      </red-led>  
      <green-led>  
        green-led  
      </green-led>  
    </fan-tray>  
  </fan-tray-panel>  
</craft-information>
```

**Description** State of the status LEDs on the craft interface for a fan tray

### <fan-tray-panel>

#### Usage

```
<fan-tray-panel>  
  <fan-tray>....</fan-tray>  
</fan-tray-panel>
```

**Description** State of status LEDs on the craft interface for Fan Trays

## <fan-tray-panel>

### Usage

```
<craft-information>  
  <fan-tray-panel>  
    <fan-tray>....</fan-tray>  
  </fan-tray-panel>  
</craft-information>
```

**Description** State of status LEDs on the craft interface for Fan Trays

## <feb>

### Usage

```
<feb-panel>  
  <feb>  
    <slot>  
      slot  
    </slot>  
    <ok-led>  
      ok-led  
    </ok-led>  
    <fail-led>  
      fail-led  
    </fail-led>  
    <active-led>  
      active-led  
    </active-led>  
  </feb>  
</feb-panel>
```

**Description** State of the status LEDs on the faceplate of a Forwarding Engine Board

## <feb>

### Usage

```
<craft-information>  
  <feb-panel>  
    <feb>  
      <slot>  
        slot  
      </slot>  
      <ok-led>  
        ok-led  
      </ok-led>  
      <fail-led>  
        fail-led  
      </fail-led>  
      <active-led>  
        active-led  
      </active-led>  
    </feb>  
  </feb-panel>
```

```

    </feb-panel>
</craft-information>

```

**Description** State of the status LEDs on the faceplate of a Forwarding Engine Board

## <feb-led>

### Usage

```

<feb-led-information>
  <feb-led>
    <feb-slot>
      feb-slot
    </feb-slot>
    <feb-state>
      feb-state
    </feb-state>
    <feb-ok-led>
      feb-ok-led
    </feb-ok-led>
    <feb-fail-led>
      feb-fail-led
    </feb-fail-led>
    <feb-active-led>
      feb-active-led
    </feb-active-led>
    <connectivity-led0>
      connectivity-led0
    </connectivity-led0>
    <connectivity-led1>
      connectivity-led1
    </connectivity-led1>
    <connectivity-led2>
      connectivity-led2
    </connectivity-led2>
    <connectivity-led3>
      connectivity-led3
    </connectivity-led3>
    <connectivity-led4>
      connectivity-led4
    </connectivity-led4>
    <connectivity-led5>
      connectivity-led5
    </connectivity-led5>
  </feb-led>
</feb-led-information>

```

### Description

## <feb-led-information>

### Usage

```

<feb-led-information>
  <feb-led>....</feb-led>

```

`</feb-led-information>`

**Description** Information about the LEDs on the Forwarding Engine Board

### `<feb-panel>`

**Usage**

```
<feb-panel>
  <feb>....</feb>
</feb-panel>
```

**Description** State of the status LEDs on the faceplate of one or more Forwarding Engine Boards

### `<feb-panel>`

**Usage**

```
<craft-information>
  <feb-panel>
    <feb>....</feb>
  </feb-panel>
</craft-information>
```

**Description** State of the status LEDs on the faceplate of one or more Forwarding Engine Boards

### `<feb-redundancy-error-information>`

**Usage**

```
<feb-redundancy-error-information>
  <feb-redundancy-group-errors>....</feb-redundancy-group-errors>
</feb-redundancy-error-information>
```

**Description** FEB redundancy error information

### `<feb-redundancy-group-errors>`

**Usage**

```
<feb-redundancy-error-information>
  <feb-redundancy-group-errors>
    <feb-redundancy-group-name>
      feb-redundancy-group-name
    </feb-redundancy-group-name>
    <feb-redundancy-group-description>
      feb-redundancy-group-description
    </feb-redundancy-group-description>
    <feb-redundancy-group-feb-errors>....</feb-redundancy-group-feb-errors>
  </feb-redundancy-group-errors>
</feb-redundancy-error-information>
```

**Description** FEB redundancy error information for a FEB group

### <feb-redundancy-group-feb-errors>

#### Usage

```

<feb-redundancy-error-information>
  <feb-redundancy-group-errors>
    <feb-redundancy-group-feb-errors>
      <feb-slot>
        feb-slot
      </feb-slot>
      <feb-state>
        feb-state
      </feb-state>
      <feb-harderror-state>
        feb-harderror-state
      </feb-harderror-state>

    <feb-redundancy-group-feb-fpc-errors>....</feb-redundancy-group-feb-fpc-errors>

    <feb-redundancy-group-feb-fabric-plane-errors>....</feb-redundancy-group-feb-fabric-plane-errors>

  </feb-redundancy-group-feb-errors>
</feb-redundancy-group-errors>
</feb-redundancy-error-information>

```

**Description** FEB redundancy error information for a FEB

### <feb-redundancy-group-feb-fabric-plane-errors>

#### Usage

```

<feb-redundancy-error-information>
  <feb-redundancy-group-errors>
    <feb-redundancy-group-feb-errors>
      <feb-redundancy-group-feb-fabric-plane-errors>
        <fabric-plane-number>
          fabric-plane-number
        </fabric-plane-number>
        <fabric-plane-status>
          fabric-plane-status
        </fabric-plane-status>
      </feb-redundancy-group-feb-fabric-plane-errors>
    </feb-redundancy-group-feb-errors>
  </feb-redundancy-group-errors>
</feb-redundancy-error-information>

```

**Description** FEB redundancy error information for a fabric plane

### <feb-redundancy-group-feb-fpc-errors>

#### Usage

```

<feb-redundancy-error-information>

```

```
<feb-redundancy-group-errors>
  <feb-redundancy-group-feb-errors>
    <feb-redundancy-group-feb-fpc-errors>
      <fpc-slot>
        fpc-slot
      </fpc-slot>
      <fpc-link-status>
        fpc-link-status
      </fpc-link-status>
    </feb-redundancy-group-feb-fpc-errors>
  </feb-redundancy-group-feb-errors>
</feb-redundancy-group-errors>
</feb-redundancy-error-information>
```

**Description** FEB redundancy error information for an FPC

### <feb-redundancy-group-information>

#### Usage

```
<feb-redundancy-information>
  <feb-redundancy-group-information>
    <feb-redundancy-group-name>
      feb-redundancy-group-name
    </feb-redundancy-group-name>
    <feb-redundancy-group-description>
      feb-redundancy-group-description
    </feb-redundancy-group-description>

    <feb-redundancy-group-information-item>....</feb-redundancy-group-information-item>

    <feb-redundancy-autofailover>
      feb-redundancy-autofailover
    </feb-redundancy-autofailover>
    <feb-redundancy-switch-reason>
      feb-redundancy-switch-reason
    </feb-redundancy-switch-reason>
  </feb-redundancy-group-information>
</feb-redundancy-information>
```

**Description** FEB redundancy information for a redundancy group

### <feb-redundancy-group-information-item>

#### Usage

```
<feb-redundancy-information>
  <feb-redundancy-group-information>
    <feb-redundancy-group-information-item>
      <feb-slot>
        feb-slot
      </feb-slot>
      <feb-state>
        feb-state
      </feb-state>
    </feb-redundancy-group-information-item>
  </feb-redundancy-group-information>
</feb-redundancy-information>
```

```
</feb-state>
<redundancy-priority>
  redundancy-priority
</redundancy-priority>
<connected-fpcs>
  connected-fpcs
</connected-fpcs>
<redundancy-state>
  redundancy-state
</redundancy-state>
<redundancy-state-description>
  redundancy-state-description
</redundancy-state-description>
</feb-redundancy-group-information-item>
</feb-redundancy-group-information>
</feb-redundancy-information>
```

**Description** FEB redundancy information for a FEB

### <feb-redundancy-information>

#### Usage

```
<feb-redundancy-information>
<feb-redundancy-group-information>....</feb-redundancy-group-information>
</feb-redundancy-information>
```

**Description** FEB redundancy information

### <firmware>

#### Usage

```
<firmware>
<type>
  type
</type>
<firmware-version>
  firmware-version
</firmware-version>
</firmware>
```

**Description**

### <firmware>

#### Usage

```
<chassis-inventory>
<chassis>
  <chassis-module>
    <firmware>
      <type>
        type
```

```
</type>
<firmware-version>
  firmware-version
</firmware-version>
</firmware>
</chassis-module>
</chassis>
</chassis-inventory>
```

#### Description

#### <firmware>

##### Usage

```
<chassis-inventory>
<chassis>
  <chassis-module>
    <chassis-sub-module>
      <firmware>
        <type>
          type
        </type>
        <firmware-version>
          firmware-version
        </firmware-version>
      </firmware>
    </chassis-sub-module>
  </chassis-module>
</chassis>
</chassis-inventory>
```

#### Description

#### <firmware>

##### Usage

```
<firmware-information>
<chassis>
  <chassis-module>
    <firmware>
      <type>
        type
      </type>
      <firmware-version>
        firmware-version
      </firmware-version>
    </firmware>
  </chassis-module>
</chassis>
</firmware-information>
```

#### Description



**<firmware>****Usage**

```

<firmware-information>
  <chassis>
    <chassis-module>
      <chassis-sub-module>
        <firmware>
          <type>
            type
          </type>
          <firmware-version>
            firmware-version
          </firmware-version>
        </firmware>
      </chassis-sub-module>
    </chassis-module>
  </chassis>
</firmware-information>

```

**Description****<firmware>****Usage**

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassis-inventory>
      <chassis>
        <chassis-module>
          <firmware>
            <type>
              type
            </type>
            <firmware-version>
              firmware-version
            </firmware-version>
          </firmware>
        </chassis-module>
      </chassis>
    </chassis-inventory>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description****<firmware>****Usage**

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassis-inventory>
      <chassis>

```

```
<chassis-module>
  <chassis-sub-module>
    <firmware>
      <type>
        type
      </type>
      <firmware-version>
        firmware-version
      </firmware-version>
    </firmware>
  </chassis-sub-module>
</chassis-module>
</chassis>
</chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

<firmware>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <firmware-information>
      <chassis>
        <chassis-module>
          <firmware>
            <type>
              type
            </type>
            <firmware-version>
              firmware-version
            </firmware-version>
          </firmware>
        </chassis-module>
      </chassis>
    </firmware-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

<firmware>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <firmware-information>
      <chassis>
        <chassis-module>
          <chassis-sub-module>
            <firmware>
              <type>
```

```

        type
      </type>
      <firmware-version>
        firmware-version
      </firmware-version>
    </firmware>
  </chassis-sub-module>
</chassis-module>
</chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description****<firmware-information>****Usage**

```

<firmware-information>
<chassis>.....</chassis>
</firmware-information>

```

**Description** Information about component firmware versions

**<firmware-information>****Usage**

```

<multi-routing-engine-results>
<multi-routing-engine-item>
  <firmware-information>
    <chassis>.....</chassis>
  </firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description** Information about component firmware versions

**<firmware-version-mismatch>****Usage**

```

<firmware-version-mismatch>
  <routing-engine-software-version>
    routing-engine-software-version
  </routing-engine-software-version>
  <jfirmware-version>
    jfirmware-version
  </jfirmware-version>
</firmware-version-mismatch>

```

**Description** Firmware version mismatch warning

### <firmware-version-mismatch>

#### Usage

```
<system-firmware-compatibility-information>
  <firmware-version-mismatch>
    <routing-engine-software-version>
      routing-engine-software-version
    </routing-engine-software-version>
    <jfirmware-version>
      jfirmware-version
    </jfirmware-version>
  </firmware-version-mismatch>
</system-firmware-compatibility-information>
```

**Description**    Firmware version mismatch warning

### <firmware-version-mismatch>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-firmware-compatibility-information>
      <firmware-version-mismatch>
        <routing-engine-software-version>
          routing-engine-software-version
        </routing-engine-software-version>
        <jfirmware-version>
          jfirmware-version
        </jfirmware-version>
      </firmware-version-mismatch>
    </system-firmware-compatibility-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description**    Firmware version mismatch warning

### <fm-fabric-reachability-information>

#### Usage

```
<fm-fabric-reachability-information>
  <fab-reach-status>
    fab-reach-status
  </fab-reach-status>
  <fab-reachability-detect>....</fab-reachability-detect>
  <fab-reachability-action>....</fab-reachability-action>
  <fab-reach-resolute>
    fab-reach-resolute
  </fab-reach-resolute>
</fm-fabric-reachability-information>
```

**Description** Display fabric destination reachability

### <fm-first-error-ln>

#### Usage

```
<fm-fru-errors>
  <fm-first-error-ln>
    <fm-first-error-time>
      fm-first-error-time
    </fm-first-error-time>
    <fm-first-error-detail>
      fm-first-error-detail
    </fm-first-error-detail>
  </fm-first-error-ln>
</fm-fru-errors>
```

**Description**

### <fm-fpc-line>

#### Usage

```
<fm-unreachable-dest-information>
  <fm-fpc-line>
    <pfe-slot>
      pfe-slot
    </pfe-slot>
    <fm-pfe-line>....</fm-pfe-line>
  </fm-fpc-line>
</fm-unreachable-dest-information>
```

**Description**

### <fm-fpc-ln>

#### Usage

```
<fm-fpc-state-information>
  <fm-fpc-ln>
    <slot>
      slot
    </slot>
    <fm-pfe-ln>....</fm-pfe-ln>
  </fm-fpc-ln>
</fm-fpc-state-information>
```

**Description**

### <fm-fpc-ln>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-fpc-state-information>
      <fm-fpc-ln>
```

```
<slot>
  slot
</slot>
<fm-pfe-ln>....</fm-pfe-ln>
</fm-fpc-ln>
</fm-fpc-state-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <fm-fpc-state-information>

#### Usage

```
<fm-fpc-state-information>
  <fm-fpc-ln>....</fm-fpc-ln>
</fm-fpc-state-information>
```

#### Description

### <fm-fpc-state-information>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-fpc-state-information>
      <fm-fpc-ln>....</fm-fpc-ln>
    </fm-fpc-state-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <fm-fru-errors>

#### Usage

```
<fm-fru-errors>
  <fm-fru-first-error-header>
    fm-fru-first-error-header
  </fm-fru-first-error-header>
  <fm-fru-last-error-header>
    fm-fru-last-error-header
  </fm-fru-last-error-header>
  <fm-first-error-ln>....</fm-first-error-ln>
  <fm-last-error-ln>....</fm-last-error-ln>
</fm-fru-errors>
```

#### Description

**<fm-last-error-ln>****Usage**

```

<fm-fru-errors>
  <fm-last-error-ln>
    <fm-last-error-time>
      fm-last-error-time
    </fm-last-error-time>
    <fm-last-error-detail>
      fm-last-error-detail
    </fm-last-error-detail>
  </fm-last-error-ln>
</fm-fru-errors>

```

**Description****<fm-pfe-line>****Usage**

```

<fm-unreachable-dest-information>
  <fm-fpc-line>
    <fm-pfe-line>
      <fpc-pfe-unreach-dests>
        fpc-pfe-unreach-dests
      </fpc-pfe-unreach-dests>
    </fm-pfe-line>
  </fm-fpc-line>
</fm-unreachable-dest-information>

```

**Description****<fm-pfe-ln>****Usage**

```

<fm-fpc-state-information>
  <fm-fpc-ln>
    <fm-pfe-ln>
      <pfe-slot>
        pfe-slot
      </pfe-slot>
      <fm-sib-ln>....</fm-sib-ln>
      <fm-plane-ln>....</fm-plane-ln>
    </fm-pfe-ln>
  </fm-fpc-ln>
</fm-fpc-state-information>

```

**Description****<fm-pfe-ln>****Usage**

```

<multi-routing-engine-results>

```

```
<multi-routing-engine-item>
  <fm-fpc-state-information>
    <fm-fpc-ln>
      <fm-pfe-ln>
        <pfe-slot>
          pfe-slot
        </pfe-slot>
        <fm-sib-ln>....</fm-sib-ln>
        <fm-plane-ln>....</fm-plane-ln>
      </fm-pfe-ln>
    </fm-fpc-ln>
  </fm-fpc-state-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

#### <fm-plane-ln>

##### Usage

```
<fm-fpc-state-information>
  <fm-fpc-ln>
    <fm-pfe-ln>
      <fm-plane-ln>
        <plane-slot>
          plane-slot
        </plane-slot>
        <plane-fm-state>
          plane-fm-state
        </plane-fm-state>
      </fm-plane-ln>
    </fm-pfe-ln>
  </fm-fpc-ln>
</fm-fpc-state-information>
```

#### Description

#### <fm-plane-ln>

##### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-fpc-state-information>
      <fm-fpc-ln>
        <fm-pfe-ln>
          <fm-plane-ln>
            <plane-slot>
              plane-slot
            </plane-slot>
            <plane-fm-state>
              plane-fm-state
            </plane-fm-state>
          </fm-plane-ln>
        </fm-pfe-ln>
```



```

    </fm-fpc-ln>
  </fm-fpc-state-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

### <fm-plane-location>

#### Usage

```

<fm-plane-location-information>
  <fm-plane-location>
    <plane-slot>
      plane-slot
    </plane-slot>
    <cb-slot>
      cb-slot
    </cb-slot>
    <plane>
      plane
    </plane>
    <sib-f13-slot>
      sib-f13-slot
    </sib-f13-slot>
    <sib-f2-slot>
      sib-f2-slot
    </sib-f2-slot>
    <sib-l-slot>
      sib-l-slot
    </sib-l-slot>
  </fm-plane-location>
</fm-plane-location-information>

```

#### Description

### <fm-plane-location-information>

#### Usage

```

<fm-plane-location-information>
  <fm-plane-location>....</fm-plane-location>
</fm-plane-location-information>

```

#### Description

### <fm-plane-state-information>

#### Usage

```

<fm-plane-state-information>
  <fabric-header>
    fabric-header
  </fabric-header>
  <fmp-plane>....</fmp-plane>

```

</fm-plane-state-information>

#### Description

<fm-sib-ln>

#### Usage

```
<fm-fpc-state-information>
  <fm-fpc-ln>
    <fm-pfe-ln>
      <fm-sib-ln>
        <sib-slot>
          sib-slot
        </sib-slot>
        <sib-fm-state>
          sib-fm-state
        </sib-fm-state>
      </fm-sib-ln>
    </fm-pfe-ln>
  </fm-fpc-ln>
</fm-fpc-state-information>
```

#### Description

<fm-sib-ln>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-fpc-state-information>
      <fm-fpc-ln>
        <fm-pfe-ln>
          <fm-sib-ln>
            <sib-slot>
              sib-slot
            </sib-slot>
            <sib-fm-state>
              sib-fm-state
            </sib-fm-state>
          </fm-sib-ln>
        </fm-pfe-ln>
      </fm-fpc-ln>
    </fm-fpc-state-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

<fm-sib-state-information>

#### Usage

```
<fm-sib-state-information>
  <fms-sib-ln>....</fms-sib-ln>
```

</fm-sib-state-information>

#### Description

<fm-sib-state-information>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-sib-state-information>
      <fms-sib-ln>....</fms-sib-ln>
    </fm-sib-state-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

<fm-state-information>

#### Usage

```
<fm-state-information>
  <fm-state-item>....</fm-state-item>
</fm-state-information>
```

#### Description

<fm-state-item>

#### Usage

```
<fm-state-information>
  <fm-state-item>
    <plane-slot>
      plane-slot
    </plane-slot>
    <state>
      state
    </state>
    <up-time>
      up-time
    </up-time>
  </fm-state-item>
</fm-state-information>
```

#### Description

<fm-topo-link>

#### Usage

```
<fm-topology>
  <fm-topo-link>
    <fm-topo-sib>
      fm-topo-sib
```

```
</fm-topo-sib>
<fm-topo-dbl-line>
  fm-topo-dbl-line
</fm-topo-dbl-line>
<fm-topo-fail-msg>
  fm-topo-fail-msg
</fm-topo-fail-msg>
<fm-topo-link-details>....</fm-topo-link-details>
<fm-topo-link-information>....</fm-topo-link-information>
<fm-topo-link-information-sgl>....</fm-topo-link-information-sgl>
</fm-topo-link>
</fm-topology>
```

#### Description

### <fm-topo-link>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<fm-topology>
  <fm-topo-link>
    <fm-topo-sib>
      fm-topo-sib
    </fm-topo-sib>
    <fm-topo-dbl-line>
      fm-topo-dbl-line
    </fm-topo-dbl-line>
    <fm-topo-fail-msg>
      fm-topo-fail-msg
    </fm-topo-fail-msg>
    <fm-topo-link-details>....</fm-topo-link-details>
    <fm-topo-link-information>....</fm-topo-link-information>
    <fm-topo-link-information-sgl>....</fm-topo-link-information-sgl>
  </fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <fm-topo-link-des>

#### Usage

```
<fm-topology>
<fm-topo-link-src-des>
  <fm-topo-link-des>
    <fm-topo-link-des-in>
      fm-topo-link-des-in
    </fm-topo-link-des-in>
    <fm-topo-link-des-out>
      fm-topo-link-des-out
    </fm-topo-link-des-out>
  </fm-topo-link-des>
</fm-topology>
```

```

    hsl2-state-des
  </hsl2-state-des>
</fm-topo-link-des>
</fm-topo-link-src-des>
</fm-topology>

```

#### Description

### <fm-topo-link-des>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link-src-des>
        <fm-topo-link-des>
          <fm-topo-link-des-in>
            fm-topo-link-des-in
          </fm-topo-link-des-in>
          <fm-topo-link-des-out>
            fm-topo-link-des-out
          </fm-topo-link-des-out>
          <hsl2-state-des>
            hsl2-state-des
          </hsl2-state-des>
        </fm-topo-link-des>
      </fm-topo-link-src-des>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

### <fm-topo-link-details>

#### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-details>
      <fm-topo-link-type>
        fm-topo-link-type
      </fm-topo-link-type>
      <fm-topo-sib-source>
        fm-topo-sib-source
      </fm-topo-sib-source>
      <fm-topo-sib-dest>
        fm-topo-sib-dest
      </fm-topo-sib-dest>
      <source-pfe-xc-link>
        source-pfe-xc-link
      </source-pfe-xc-link>
      <dest-pfe-xc-link>
        dest-pfe-xc-link
      </dest-pfe-xc-link>
    </fm-topo-link-details>
  </fm-topo-link>
</fm-topology>

```

```
<vcsl-status>
  vcsl-status
</vcsl-status>
<hsl2-channel>
  hsl2-channel
</hsl2-channel>
<hsl2-status>
  hsl2-status
</hsl2-status>
<fm-topo-link-in-out>....</fm-topo-link-in-out>
<fm-topo-link-details-head-lcc>....</fm-topo-link-details-head-lcc>
<fm-topo-link-details-lcc>....</fm-topo-link-details-lcc>
<fm-topo-link-details-head-sfc>....</fm-topo-link-details-head-sfc>
<fm-topo-link-details-sfc>....</fm-topo-link-details-sfc>
</fm-topo-link-details>
</fm-topo-link>
</fm-topology>
```

## Description

### <fm-topo-link-details>

#### Usage

```
<fm-topology>
<fm-topo-link>
  <fm-topo-link-information>
    <fm-topo-link-details>
      <fm-topo-link-type>
        fm-topo-link-type
      </fm-topo-link-type>
      <fm-topo-sib-source>
        fm-topo-sib-source
      </fm-topo-sib-source>
      <fm-topo-sib-dest>
        fm-topo-sib-dest
      </fm-topo-sib-dest>
      <source-pfe-xc-link>
        source-pfe-xc-link
      </source-pfe-xc-link>
      <dest-pfe-xc-link>
        dest-pfe-xc-link
      </dest-pfe-xc-link>
      <vcsl-status>
        vcsl-status
      </vcsl-status>
      <hsl2-channel>
        hsl2-channel
      </hsl2-channel>
      <hsl2-status>
        hsl2-status
      </hsl2-status>
      <fm-topo-link-in-out>....</fm-topo-link-in-out>
      <fm-topo-link-details-head-lcc>....</fm-topo-link-details-head-lcc>
      <fm-topo-link-details-lcc>....</fm-topo-link-details-lcc>
      <fm-topo-link-details-head-sfc>....</fm-topo-link-details-head-sfc>
```

```

    <fm-topo-link-details-sfc>....</fm-topo-link-details-sfc>
  </fm-topo-link-details>
</fm-topo-link-information>
</fm-topo-link>
</fm-topology>

```

## Description

### <fm-topo-link-details>

#### Usage

```

<fm-topology>
<fm-topo-link>
  <fm-topo-link-information-sgl>
    <fm-topo-link-details>
      <fm-topo-link-type>
        fm-topo-link-type
      </fm-topo-link-type>
      <fm-topo-sib-source>
        fm-topo-sib-source
      </fm-topo-sib-source>
      <fm-topo-sib-dest>
        fm-topo-sib-dest
      </fm-topo-sib-dest>
      <source-pfe-xc-link>
        source-pfe-xc-link
      </source-pfe-xc-link>
      <dest-pfe-xc-link>
        dest-pfe-xc-link
      </dest-pfe-xc-link>
      <vcSEL-status>
        vcSEL-status
      </vcSEL-status>
      <hsl2-channel>
        hsl2-channel
      </hsl2-channel>
      <hsl2-status>
        hsl2-status
      </hsl2-status>
      <fm-topo-link-in-out>....</fm-topo-link-in-out>
      <fm-topo-link-details-head-lcc>....</fm-topo-link-details-head-lcc>
      <fm-topo-link-details-lcc>....</fm-topo-link-details-lcc>
      <fm-topo-link-details-head-sfc>....</fm-topo-link-details-head-sfc>
      <fm-topo-link-details-sfc>....</fm-topo-link-details-sfc>
    </fm-topo-link-details>
  </fm-topo-link-information-sgl>
</fm-topo-link>
</fm-topology>

```

## Description

## <fm-topo-link-details>

### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
  <fm-topology>
    <fm-topo-link>
      <fm-topo-link-details>
        <fm-topo-link-type>
          fm-topo-link-type
        </fm-topo-link-type>
        <fm-topo-sib-source>
          fm-topo-sib-source
        </fm-topo-sib-source>
        <fm-topo-sib-dest>
          fm-topo-sib-dest
        </fm-topo-sib-dest>
        <source-pfe-xc-link>
          source-pfe-xc-link
        </source-pfe-xc-link>
        <dest-pfe-xc-link>
          dest-pfe-xc-link
        </dest-pfe-xc-link>
        <vcSEL-status>
          vcSEL-status
        </vcSEL-status>
        <hsl2-channel>
          hsl2-channel
        </hsl2-channel>
        <hsl2-status>
          hsl2-status
        </hsl2-status>
        <fm-topo-link-in-out>.....</fm-topo-link-in-out>
        <fm-topo-link-details-head-lcc>.....</fm-topo-link-details-head-lcc>
        <fm-topo-link-details-lcc>.....</fm-topo-link-details-lcc>
        <fm-topo-link-details-head-sfc>.....</fm-topo-link-details-head-sfc>
        <fm-topo-link-details-sfc>.....</fm-topo-link-details-sfc>
      </fm-topo-link-details>
    </fm-topo-link>
  </fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

### Description

## <fm-topo-link-details>

### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
  <fm-topology>
    <fm-topo-link>
      <fm-topo-link-information>
        <fm-topo-link-details>
```



```

    <fm-topo-link-type>
      fm-topo-link-type
    </fm-topo-link-type>
    <fm-topo-sib-source>
      fm-topo-sib-source
    </fm-topo-sib-source>
    <fm-topo-sib-dest>
      fm-topo-sib-dest
    </fm-topo-sib-dest>
    <source-pfe-xc-link>
      source-pfe-xc-link
    </source-pfe-xc-link>
    <dest-pfe-xc-link>
      dest-pfe-xc-link
    </dest-pfe-xc-link>
    <vcsl-status>
      vcsl-status
    </vcsl-status>
    <hsl2-channel>
      hsl2-channel
    </hsl2-channel>
    <hsl2-status>
      hsl2-status
    </hsl2-status>
    <fm-topo-link-in-out>....</fm-topo-link-in-out>
    <fm-topo-link-details-head-lcc>....</fm-topo-link-details-head-lcc>
    <fm-topo-link-details-lcc>....</fm-topo-link-details-lcc>
    <fm-topo-link-details-head-sfc>....</fm-topo-link-details-head-sfc>
    <fm-topo-link-details-sfc>....</fm-topo-link-details-sfc>
  </fm-topo-link-details>
</fm-topo-link-information>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

### <fm-topo-link-details>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-information-sgl>
          <fm-topo-link-details>
            <fm-topo-link-type>
              fm-topo-link-type
            </fm-topo-link-type>
            <fm-topo-sib-source>
              fm-topo-sib-source
            </fm-topo-sib-source>
            <fm-topo-sib-dest>
              fm-topo-sib-dest

```

```
</fm-topo-sib-dest>
<source-pfe-xc-link>
  source-pfe-xc-link
</source-pfe-xc-link>
<dest-pfe-xc-link>
  dest-pfe-xc-link
</dest-pfe-xc-link>
<vcSEL-status>
  vcSEL-status
</vcSEL-status>
<hsl2-channel>
  hsl2-channel
</hsl2-channel>
<hsl2-status>
  hsl2-status
</hsl2-status>
<fm-topo-link-in-out>....</fm-topo-link-in-out>
<fm-topo-link-details-head-lcc>....</fm-topo-link-details-head-lcc>
<fm-topo-link-details-lcc>....</fm-topo-link-details-lcc>
<fm-topo-link-details-head-sfc>....</fm-topo-link-details-head-sfc>
<fm-topo-link-details-sfc>....</fm-topo-link-details-sfc>
</fm-topo-link-details>
</fm-topo-link-information-sgl>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <fm-topo-link-details-head-lcc>

#### Usage

```
<fm-topology>
<fm-topo-link>
  <fm-topo-link-details>
    <fm-topo-link-details-head-lcc>
      <fm-topo-sib-source>
        fm-topo-sib-source
      </fm-topo-sib-source>
      <fm-topo-sib-dest>
        fm-topo-sib-dest
      </fm-topo-sib-dest>
    </fm-topo-link-details-head-lcc>
  </fm-topo-link-details>
</fm-topo-link>
</fm-topology>
```

#### Description

### <fm-topo-link-details-head-lcc>

#### Usage

```
<fm-topology>
```

```

<fm-topo-link>
  <fm-topo-link-information>
    <fm-topo-link-details>
      <fm-topo-link-details-head-lcc>
        <fm-topo-sib-source>
          fm-topo-sib-source
        </fm-topo-sib-source>
        <fm-topo-sib-dest>
          fm-topo-sib-dest
        </fm-topo-sib-dest>
      </fm-topo-link-details-head-lcc>
    </fm-topo-link-details>
  </fm-topo-link-information>
</fm-topo-link>
</fm-topology>

```

#### Description

#### <fm-topo-link-details-head-lcc>

##### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information-sgl>
      <fm-topo-link-details>
        <fm-topo-link-details-head-lcc>
          <fm-topo-sib-source>
            fm-topo-sib-source
          </fm-topo-sib-source>
          <fm-topo-sib-dest>
            fm-topo-sib-dest
          </fm-topo-sib-dest>
        </fm-topo-link-details-head-lcc>
      </fm-topo-link-details>
    </fm-topo-link-information-sgl>
  </fm-topo-link>
</fm-topology>

```

#### Description

#### <fm-topo-link-details-head-lcc>

##### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-details>
          <fm-topo-link-details-head-lcc>
            <fm-topo-sib-source>
              fm-topo-sib-source
            </fm-topo-sib-source>
            <fm-topo-sib-dest>
              fm-topo-sib-dest
            </fm-topo-sib-dest>
          </fm-topo-link-details-head-lcc>
        </fm-topo-link-details>
      </fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

```
</fm-topo-sib-dest>
</fm-topo-link-details-head-lcc>
</fm-topo-link-details>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <fm-topo-link-details-head-lcc>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<fm-topology>
<fm-topo-link>
<fm-topo-link-information>
<fm-topo-link-details>
<fm-topo-link-details-head-lcc>
<fm-topo-sib-source>
  fm-topo-sib-source
</fm-topo-sib-source>
<fm-topo-sib-dest>
  fm-topo-sib-dest
</fm-topo-sib-dest>
</fm-topo-link-details-head-lcc>
</fm-topo-link-details>
</fm-topo-link-information>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <fm-topo-link-details-head-lcc>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<fm-topology>
<fm-topo-link>
<fm-topo-link-information-sgl>
<fm-topo-link-details>
<fm-topo-link-details-head-lcc>
<fm-topo-sib-source>
  fm-topo-sib-source
</fm-topo-sib-source>
<fm-topo-sib-dest>
  fm-topo-sib-dest
</fm-topo-sib-dest>
</fm-topo-link-details-head-lcc>
</fm-topo-link-details>
```

```

    </fm-topo-link-information-sgl>
  </fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

### <fm-topo-link-details-head-sfc>

#### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-details>
      <fm-topo-link-details-head-sfc>
        <fm-topo-sib-source>
          fm-topo-sib-source
        </fm-topo-sib-source>
        <fm-topo-sib-dest>
          fm-topo-sib-dest
        </fm-topo-sib-dest>
      </fm-topo-link-details-head-sfc>
    </fm-topo-link-details>
  </fm-topo-link>
</fm-topology>

```

#### Description

### <fm-topo-link-details-head-sfc>

#### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information>
      <fm-topo-link-details>
        <fm-topo-link-details-head-sfc>
          <fm-topo-sib-source>
            fm-topo-sib-source
          </fm-topo-sib-source>
          <fm-topo-sib-dest>
            fm-topo-sib-dest
          </fm-topo-sib-dest>
        </fm-topo-link-details-head-sfc>
      </fm-topo-link-details>
    </fm-topo-link-information>
  </fm-topo-link>
</fm-topology>

```

#### Description

### <fm-topo-link-details-head-sfc>

#### Usage

```
<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information-sgl>
      <fm-topo-link-details>
        <fm-topo-link-details-head-sfc>
          <fm-topo-sib-source>
            fm-topo-sib-source
          </fm-topo-sib-source>
          <fm-topo-sib-dest>
            fm-topo-sib-dest
          </fm-topo-sib-dest>
        </fm-topo-link-details-head-sfc>
      </fm-topo-link-details>
    </fm-topo-link-information-sgl>
  </fm-topo-link>
</fm-topology>
```

#### Description

### <fm-topo-link-details-head-sfc>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-details>
          <fm-topo-link-details-head-sfc>
            <fm-topo-sib-source>
              fm-topo-sib-source
            </fm-topo-sib-source>
            <fm-topo-sib-dest>
              fm-topo-sib-dest
            </fm-topo-sib-dest>
          </fm-topo-link-details-head-sfc>
        </fm-topo-link-details>
      </fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <fm-topo-link-details-head-sfc>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
```

```

<fm-topo-link-information>
  <fm-topo-link-details>
    <fm-topo-link-details-head-sfc>
      <fm-topo-sib-source>
        fm-topo-sib-source
      </fm-topo-sib-source>
      <fm-topo-sib-dest>
        fm-topo-sib-dest
      </fm-topo-sib-dest>
    </fm-topo-link-details-head-sfc>
  </fm-topo-link-details>
</fm-topo-link-information>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

### Description

#### <fm-topo-link-details-head-sfc>

##### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-information-sgl>
          <fm-topo-link-details>
            <fm-topo-link-details-head-sfc>
              <fm-topo-sib-source>
                fm-topo-sib-source
              </fm-topo-sib-source>
              <fm-topo-sib-dest>
                fm-topo-sib-dest
              </fm-topo-sib-dest>
            </fm-topo-link-details-head-sfc>
          </fm-topo-link-details>
        </fm-topo-link-information-sgl>
      </fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

### Description

#### <fm-topo-link-details-lcc>

##### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-details>
      <fm-topo-link-details-lcc>
        <source-pfe-xc-link>
          source-pfe-xc-link

```

```
</source-pfe-xc-link>
<dest-pfe-xc-link>
  dest-pfe-xc-link
</dest-pfe-xc-link>
<vcSEL-status>
  vcSEL-status
</vcSEL-status>
<hsl2-channel>
  hsl2-channel
</hsl2-channel>
<hsl2-status>
  hsl2-status
</hsl2-status>
</fm-topo-link-details-lcc>
</fm-topo-link-details>
</fm-topo-link>
</fm-topology>
```

#### Description

#### <fm-topo-link-details-lcc>

##### Usage

```
<fm-topology>
<fm-topo-link>
<fm-topo-link-information>
<fm-topo-link-details>
  <fm-topo-link-details-lcc>
    <source-pfe-xc-link>
      source-pfe-xc-link
    </source-pfe-xc-link>
    <dest-pfe-xc-link>
      dest-pfe-xc-link
    </dest-pfe-xc-link>
    <vcSEL-status>
      vcSEL-status
    </vcSEL-status>
    <hsl2-channel>
      hsl2-channel
    </hsl2-channel>
    <hsl2-status>
      hsl2-status
    </hsl2-status>
  </fm-topo-link-details-lcc>
</fm-topo-link-details>
</fm-topo-link-information>
</fm-topo-link>
</fm-topology>
```

#### Description



## <fm-topo-link-details-lcc>

### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information-sgl>
      <fm-topo-link-details>
        <fm-topo-link-details-lcc>
          <source-pfe-xc-link>
            source-pfe-xc-link
          </source-pfe-xc-link>
          <dest-pfe-xc-link>
            dest-pfe-xc-link
          </dest-pfe-xc-link>
          <vcSEL-status>
            vcSEL-status
          </vcSEL-status>
          <hsl2-channel>
            hsl2-channel
          </hsl2-channel>
          <hsl2-status>
            hsl2-status
          </hsl2-status>
        </fm-topo-link-details-lcc>
      </fm-topo-link-details>
    </fm-topo-link-information-sgl>
  </fm-topo-link>
</fm-topology>

```

### Description

## <fm-topo-link-details-lcc>

### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-details>
          <fm-topo-link-details-lcc>
            <source-pfe-xc-link>
              source-pfe-xc-link
            </source-pfe-xc-link>
            <dest-pfe-xc-link>
              dest-pfe-xc-link
            </dest-pfe-xc-link>
            <vcSEL-status>
              vcSEL-status
            </vcSEL-status>
            <hsl2-channel>
              hsl2-channel
            </hsl2-channel>
            <hsl2-status>
              hsl2-status

```

```
</hsl2-status>
</fm-topo-link-details-lcc>
</fm-topo-link-details>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <fm-topo-link-details-lcc>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<fm-topology>
<fm-topo-link>
<fm-topo-link-information>
<fm-topo-link-details>
<fm-topo-link-details-lcc>
<source-pfe-xc-link>
  source-pfe-xc-link
</source-pfe-xc-link>
<dest-pfe-xc-link>
  dest-pfe-xc-link
</dest-pfe-xc-link>
<vcsl-status>
  vcsl-status
</vcsl-status>
<hsl2-channel>
  hsl2-channel
</hsl2-channel>
<hsl2-status>
  hsl2-status
</hsl2-status>
</fm-topo-link-details-lcc>
</fm-topo-link-details>
</fm-topo-link-information>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <fm-topo-link-details-lcc>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<fm-topology>
<fm-topo-link>
<fm-topo-link-information-sgl>
<fm-topo-link-details>
```

```

<fm-topo-link-details-lcc>
  <source-pfe-xc-link>
    source-pfe-xc-link
  </source-pfe-xc-link>
  <dest-pfe-xc-link>
    dest-pfe-xc-link
  </dest-pfe-xc-link>
  <vcsl-status>
    vcsl-status
  </vcsl-status>
  <hsl2-channel>
    hsl2-channel
  </hsl2-channel>
  <hsl2-status>
    hsl2-status
  </hsl2-status>
</fm-topo-link-details-lcc>
</fm-topo-link-details>
</fm-topo-link-information-sgl>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

#### <fm-topo-link-details-sfc>

##### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-details>
      <fm-topo-link-details-sfc>
        <source-pfe-xc-link>
          source-pfe-xc-link
        </source-pfe-xc-link>
        <dest-pfe-xc-link>
          dest-pfe-xc-link
        </dest-pfe-xc-link>
        <vcsl-status>
          vcsl-status
        </vcsl-status>
        <hsl2-channel>
          hsl2-channel
        </hsl2-channel>
        <hsl2-status>
          hsl2-status
        </hsl2-status>
      </fm-topo-link-details-sfc>
    </fm-topo-link-details>
  </fm-topo-link>
</fm-topology>

```

#### Description

## <fm-topo-link-details-sfc>

### Usage

```
<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information>
      <fm-topo-link-details>
        <fm-topo-link-details-sfc>
          <source-pfe-xc-link>
            source-pfe-xc-link
          </source-pfe-xc-link>
          <dest-pfe-xc-link>
            dest-pfe-xc-link
          </dest-pfe-xc-link>
          <vcSEL-status>
            vcSEL-status
          </vcSEL-status>
          <hsl2-channel>
            hsl2-channel
          </hsl2-channel>
          <hsl2-status>
            hsl2-status
          </hsl2-status>
        </fm-topo-link-details-sfc>
      </fm-topo-link-details>
    </fm-topo-link-information>
  </fm-topo-link>
</fm-topology>
```

### Description

## <fm-topo-link-details-sfc>

### Usage

```
<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information-sgl>
      <fm-topo-link-details>
        <fm-topo-link-details-sfc>
          <source-pfe-xc-link>
            source-pfe-xc-link
          </source-pfe-xc-link>
          <dest-pfe-xc-link>
            dest-pfe-xc-link
          </dest-pfe-xc-link>
          <vcSEL-status>
            vcSEL-status
          </vcSEL-status>
          <hsl2-channel>
            hsl2-channel
          </hsl2-channel>
          <hsl2-status>
            hsl2-status
          </hsl2-status>
        </fm-topo-link-details-sfc>
      </fm-topo-link-details>
    </fm-topo-link-information-sgl>
  </fm-topo-link>
</fm-topology>
```

```

    </fm-topo-link-details-sfc>
  </fm-topo-link-details>
</fm-topo-link-information-sgl>
</fm-topo-link>
</fm-topology>

```

## Description

### <fm-topo-link-details-sfc>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-details>
          <fm-topo-link-details-sfc>
            <source-pfe-xc-link>
              source-pfe-xc-link
            </source-pfe-xc-link>
            <dest-pfe-xc-link>
              dest-pfe-xc-link
            </dest-pfe-xc-link>
            <vcSEL-status>
              vcSEL-status
            </vcSEL-status>
            <hsl2-channel>
              hsl2-channel
            </hsl2-channel>
            <hsl2-status>
              hsl2-status
            </hsl2-status>
          </fm-topo-link-details-sfc>
        </fm-topo-link-details>
      </fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

### <fm-topo-link-details-sfc>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-information>
          <fm-topo-link-details>
            <fm-topo-link-details-sfc>
              <source-pfe-xc-link>
                source-pfe-xc-link
              </source-pfe-xc-link>

```

```
<dest-pfe-xc-link>
  dest-pfe-xc-link
</dest-pfe-xc-link>
<vcSEL-status>
  vcSEL-status
</vcSEL-status>
<hsl2-channel>
  hsl2-channel
</hsl2-channel>
<hsl2-status>
  hsl2-status
</hsl2-status>
</fm-topo-link-details-sfc>
</fm-topo-link-details>
</fm-topo-link-information>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

#### <fm-topo-link-details-sfc>

##### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<fm-topology>
<fm-topo-link>
<fm-topo-link-information-sgl>
<fm-topo-link-details>
<fm-topo-link-details-sfc>
<source-pfe-xc-link>
  source-pfe-xc-link
</source-pfe-xc-link>
<dest-pfe-xc-link>
  dest-pfe-xc-link
</dest-pfe-xc-link>
<vcSEL-status>
  vcSEL-status
</vcSEL-status>
<hsl2-channel>
  hsl2-channel
</hsl2-channel>
<hsl2-status>
  hsl2-status
</hsl2-status>
</fm-topo-link-details-sfc>
</fm-topo-link-details>
</fm-topo-link-information-sgl>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

## &lt;fm-topo-link-fail&gt;

## Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information>
      <fm-topo-link-fail>
        <fm-topo-sib>
          fm-topo-sib
        </fm-topo-sib>
      <fm-topo-fail-msg>
        fm-topo-fail-msg
      </fm-topo-fail-msg>
    </fm-topo-link-fail>
  </fm-topo-link-information>
</fm-topo-link>
</fm-topology>

```

## Description

## &lt;fm-topo-link-fail&gt;

## Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-information>
          <fm-topo-link-fail>
            <fm-topo-sib>
              fm-topo-sib
            </fm-topo-sib>
          <fm-topo-fail-msg>
            fm-topo-fail-msg
          </fm-topo-fail-msg>
        </fm-topo-link-fail>
      </fm-topo-link-information>
    </fm-topo-link>
  </fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

## &lt;fm-topo-link-fail-sgl&gt;

## Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information-sgl>
      <fm-topo-link-fail-sgl>
        <fm-topo-sib>

```

```
    fm-topo-sib
  </fm-topo-sib>
  <fm-topo-fail-msg>
    fm-topo-fail-msg
  </fm-topo-fail-msg>
</fm-topo-link-fail-sgl>
</fm-topo-link-information-sgl>
</fm-topo-link>
</fm-topology>
```

#### Description

### <fm-topo-link-fail-sgl>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-information-sgl>
          <fm-topo-link-fail-sgl>
            <fm-topo-sib>
              fm-topo-sib
            </fm-topo-sib>
            <fm-topo-fail-msg>
              fm-topo-fail-msg
            </fm-topo-fail-msg>
          </fm-topo-link-fail-sgl>
        </fm-topo-link-information-sgl>
      </fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <fm-topo-link-in-out>

#### Usage

```
<fm-topology>
  <fm-topo-link>
    <fm-topo-link-details>
      <fm-topo-link-in-out>
        <fm-topo-link-type>
          fm-topo-link-type
        </fm-topo-link-type>
      </fm-topo-link-in-out>
    </fm-topo-link-details>
  </fm-topo-link>
</fm-topology>
```

#### Description



## <fm-topo-link-in-out>

### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information>
      <fm-topo-link-details>
        <fm-topo-link-in-out>
          <fm-topo-link-type>
            fm-topo-link-type
          </fm-topo-link-type>
        </fm-topo-link-in-out>
      </fm-topo-link-details>
    </fm-topo-link-information>
  </fm-topo-link>
</fm-topology>

```

### Description

## <fm-topo-link-in-out>

### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information-sgl>
      <fm-topo-link-details>
        <fm-topo-link-in-out>
          <fm-topo-link-type>
            fm-topo-link-type
          </fm-topo-link-type>
        </fm-topo-link-in-out>
      </fm-topo-link-details>
    </fm-topo-link-information-sgl>
  </fm-topo-link>
</fm-topology>

```

### Description

## <fm-topo-link-in-out>

### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-details>
          <fm-topo-link-in-out>
            <fm-topo-link-type>
              fm-topo-link-type
            </fm-topo-link-type>
          </fm-topo-link-in-out>
        </fm-topo-link-details>
      </fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

```
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <fm-topo-link-in-out>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
  <fm-topology>
    <fm-topo-link>
      <fm-topo-link-information>
        <fm-topo-link-details>
          <fm-topo-link-in-out>
            <fm-topo-link-type>
              fm-topo-link-type
            </fm-topo-link-type>
          </fm-topo-link-in-out>
        </fm-topo-link-details>
      </fm-topo-link-information>
    </fm-topo-link>
  </fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <fm-topo-link-in-out>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
  <fm-topology>
    <fm-topo-link>
      <fm-topo-link-information-sgl>
        <fm-topo-link-details>
          <fm-topo-link-in-out>
            <fm-topo-link-type>
              fm-topo-link-type
            </fm-topo-link-type>
          </fm-topo-link-in-out>
        </fm-topo-link-details>
      </fm-topo-link-information-sgl>
    </fm-topo-link>
  </fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

## <fm-topo-link-information>

### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information>
      <fm-topo-sib>
        fm-topo-sib
      </fm-topo-sib>
      <fm-topo-dbl-line>
        fm-topo-dbl-line
      </fm-topo-dbl-line>
      <fm-topo-link-fail>....</fm-topo-link-fail>
      <fm-topo-link-details>....</fm-topo-link-details>
    </fm-topo-link-information>
  </fm-topo-link>
</fm-topology>

```

### Description

## <fm-topo-link-information>

### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-information>
          <fm-topo-sib>
            fm-topo-sib
          </fm-topo-sib>
          <fm-topo-dbl-line>
            fm-topo-dbl-line
          </fm-topo-dbl-line>
          <fm-topo-link-fail>....</fm-topo-link-fail>
          <fm-topo-link-details>....</fm-topo-link-details>
        </fm-topo-link-information>
      </fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

### Description

## <fm-topo-link-information-sgl>

### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information-sgl>
      <fm-topo-link-fail-sgl>....</fm-topo-link-fail-sgl>
      <fm-topo-link-details>....</fm-topo-link-details>
    </fm-topo-link-information-sgl>
  </fm-topo-link>
</fm-topology>

```

```
</fm-topo-link>
</fm-topology>
```

#### Description

### <fm-topo-link-information-sgl>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
  <fm-topology>
    <fm-topo-link>
      <fm-topo-link-information-sgl>
        <fm-topo-link-fail-sgl>....</fm-topo-link-fail-sgl>
        <fm-topo-link-details>....</fm-topo-link-details>
      </fm-topo-link-information-sgl>
    </fm-topo-link>
  </fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <fm-topo-link-src>

#### Usage

```
<fm-topology>
<fm-topo-link-src-des>
  <fm-topo-link-src>
    <fm-topo-link-src-in>
      fm-topo-link-src-in
    </fm-topo-link-src-in>
    <fm-topo-link-src-out>
      fm-topo-link-src-out
    </fm-topo-link-src-out>
    <hsl2-state-src>
      hsl2-state-src
    </hsl2-state-src>
  </fm-topo-link-src>
</fm-topo-link-src-des>
</fm-topology>
```

#### Description

### <fm-topo-link-src>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
  <fm-topology>
    <fm-topo-link-src-des>
      <fm-topo-link-src>
        <fm-topo-link-src-in>
```

```

    fm-topo-link-src-in
  </fm-topo-link-src-in>
  <fm-topo-link-src-out>
    fm-topo-link-src-out
  </fm-topo-link-src-out>
  <hsl2-state-src>
    hsl2-state-src
  </hsl2-state-src>
</fm-topo-link-src>
</fm-topo-link-src-des>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

**<fm-topo-link-src-des>**

#### Usage

```

<fm-topology>
  <fm-topo-link-src-des>
    <fm-topo-link-msg>
      fm-topo-link-msg
    </fm-topo-link-msg>
    <fm-topo-link-src>....</fm-topo-link-src>
    <fm-topo-link-des>....</fm-topo-link-des>
  </fm-topo-link-src-des>
</fm-topology>

```

#### Description

**<fm-topo-link-src-des>**

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link-src-des>
        <fm-topo-link-msg>
          fm-topo-link-msg
        </fm-topo-link-msg>
        <fm-topo-link-src>....</fm-topo-link-src>
        <fm-topo-link-des>....</fm-topo-link-des>
      </fm-topo-link-src-des>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

### <fm-topology>

#### Usage

```
<fm-topology>
  <fm-topo-link-src-des>....</fm-topo-link-src-des>
  <fm-topo-link>....</fm-topo-link>
</fm-topology>
```

#### Description

### <fm-topology>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link-src-des>....</fm-topo-link-src-des>
      <fm-topo-link>....</fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <fm-unreachable-dest-information>

#### Usage

```
<fm-unreachable-dest-information>
  <slot>
    slot
  </slot>
  <fm-fpc-line>....</fm-fpc-line>
</fm-unreachable-dest-information>
```

**Description**    Display unreachable destinations on all active planes

### <fmp-plane>

#### Usage

```
<fm-plane-state-information>
  <fmp-plane>
    <slot>
      slot
    </slot>
    <state>
      state
    </state>
    <up-time>
      up-time
    </up-time>
    <comment>
      comment
    </comment>
  </fmp-plane>
</fm-plane-state-information>
```

```
</comment>
<sib-name>
  sib-name
</sib-name>
<sib-f13-name>
  sib-f13-name
</sib-f13-name>
<sib-f2-name>
  sib-f2-name
</sib-f2-name>
<sibs-slot>
  sibs-slot
</sibs-slot>
<sibs2-slot>
  sibs2-slot
</sibs2-slot>
<plane-state>
  plane-state
</plane-state>
<even-odd>
  even-odd
</even-odd>
<sibl-slot>
  sibl-slot
</sibl-slot>
<lcc-slot>
  lcc-slot
</lcc-slot>
<f13-slot>
  f13-slot
</f13-slot>
<sibl-link-state>
  sibl-link-state
</sibl-link-state>
<sgasic-number>
  sgasic-number
</sgasic-number>
<sgasic-port-number>
  sgasic-port-number
</sgasic-port-number>
<sgasic-port-link-state>
  sgasic-port-link-state
</sgasic-port-link-state>
<lcc-sgasic-number>
  lcc-sgasic-number
</lcc-sgasic-number>
<lcc-sgasic-port-number>
  lcc-sgasic-port-number
</lcc-sgasic-port-number>
<lcc-sgasic-port-link-state>
  lcc-sgasic-port-link-state
</lcc-sgasic-port-link-state>
<f2-link-state>
  f2-link-state
</f2-link-state>
<lcc-pfe-slot>
```

```
    lcc-pfe-slot
  </lcc-pfe-slot>
  <lcc-fpc-slot>
    lcc-fpc-slot
  </lcc-fpc-slot>
  <lcc-pfe-link-state>
    lcc-pfe-link-state
  </lcc-pfe-link-state>
  <lcc-sib-link-state>
    lcc-sib-link-state
  </lcc-sib-link-state>
  <fru-name>
    fru-name
  </fru-name>
  <fru-slot>
    fru-slot
  </fru-slot>
  <pfe-slot>
    pfe-slot
  </pfe-slot>
  <pfe-link-status>
    pfe-link-status
  </pfe-link-status>
</fmp-plane>
</fm-plane-state-information>
```

#### Description

### <fms-fpc-ln>

#### Usage

```
<fm-sib-state-information>
  <fms-sib-ln>
    <fms-fpc-ln>
      <slot>
        slot
      </slot>
      <fms-pfe-ln>....</fms-pfe-ln>
    </fms-fpc-ln>
  </fms-sib-ln>
</fm-sib-state-information>
```

#### Description

### <fms-fpc-ln>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-sib-state-information>
      <fms-sib-ln>
        <fms-fpc-ln>
          <slot>
            slot
```



```

    </slot>
    <fms-pfe-ln>....</fms-pfe-ln>
  </fms-fpc-ln>
</fms-sib-ln>
</fm-sib-state-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

#### <fms-lcc-ln>

##### Usage

```

<fm-sib-state-information>
  <fms-sib-ln>
    <fms-lcc-ln>
      <lcc-slot>
        lcc-slot
      </lcc-slot>
      <fms-lcc-link-state>
        fms-lcc-link-state
      </fms-lcc-link-state>
    </fms-lcc-ln>
  </fms-sib-ln>
</fm-sib-state-information>

```

#### Description

#### <fms-lcc-ln>

##### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-sib-state-information>
      <fms-sib-ln>
        <fms-lcc-ln>
          <lcc-slot>
            lcc-slot
          </lcc-slot>
          <fms-lcc-link-state>
            fms-lcc-link-state
          </fms-lcc-link-state>
        </fms-lcc-ln>
      </fms-sib-ln>
    </fm-sib-state-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

## <fms-pfe-ln>

### Usage

```
<fm-sib-state-information>
  <fms-sib-ln>
    <fms-fpc-ln>
      <fms-pfe-ln>
        <pfe-slot>
          pfe-slot
        </pfe-slot>
        <fms-pfe-link-state>
          fms-pfe-link-state
        </fms-pfe-link-state>
      </fms-pfe-ln>
    </fms-fpc-ln>
  </fms-sib-ln>
</fm-sib-state-information>
```

### Description

## <fms-pfe-ln>

### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-sib-state-information>
      <fms-sib-ln>
        <fms-fpc-ln>
          <fms-pfe-ln>
            <pfe-slot>
              pfe-slot
            </pfe-slot>
            <fms-pfe-link-state>
              fms-pfe-link-state
            </fms-pfe-link-state>
          </fms-pfe-ln>
        </fms-fpc-ln>
      </fms-sib-ln>
    </fm-sib-state-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

### Description

## <fms-scc-ln>

### Usage

```
<fm-sib-state-information>
  <fms-sib-ln>
    <fms-scc-ln>
      <fms-scc-link-state>
        fms-scc-link-state
      </fms-scc-link-state>
```

```

    </fms-scc-ln>
  </fms-sib-ln>
</fm-sib-state-information>

```

#### Description

#### <fms-scc-ln>

##### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-sib-state-information>
      <fms-sib-ln>
        <fms-scc-ln>
          <fms-scc-link-state>
            fms-scc-link-state
          </fms-scc-link-state>
        </fms-scc-ln>
      </fms-sib-ln>
    </fm-sib-state-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

#### <fms-sib-ln>

##### Usage

```

<fm-sib-state-information>
  <fms-sib-ln>
    <sib-slot>
      sib-slot
    </sib-slot>
    <sib-fm-state>
      sib-fm-state
    </sib-fm-state>
    <fms-fpc-ln>....</fms-fpc-ln>
    <fms-lcc-ln>....</fms-lcc-ln>
    <fms-scc-ln>....</fms-scc-ln>
  </fms-sib-ln>
</fm-sib-state-information>

```

#### Description

#### <fms-sib-ln>

##### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-sib-state-information>
      <fms-sib-ln>
        <sib-slot>
          sib-slot

```

```
</sib-slot>
<sib-fm-state>
  sib-fm-state
</sib-fm-state>
<fms-fpc-ln>....</fms-fpc-ln>
<fms-lcc-ln>....</fms-lcc-ln>
<fms-scc-ln>....</fms-scc-ln>
</fms-sib-ln>
</fm-sib-state-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

<fpc>

## Usage

```
<fpc-information>
<fpc>
  <slot>
    slot
  </slot>
  <logical-slot>
    logical-slot
  </logical-slot>
  <state>
    state
  </state>
  <description>
    description
  </description>
  <error-code>
    error-code
  </error-code>
  <temperature>
    temperature
  </temperature>
  <cpu-total>
    cpu-total
  </cpu-total>
  <cpu-interrupt>
    cpu-interrupt
  </cpu-interrupt>
  <cpu-less-info-str>
    cpu-less-info-str
  </cpu-less-info-str>
  <memory-dram-size>
    memory-dram-size
  </memory-dram-size>
  <memory-sram-size>
    memory-sram-size
  </memory-sram-size>
  <memory-sdram-size>
    memory-sdram-size
  </memory-sdram-size>
```

```

<memory-rldram-size>
  memory-rldram-size
</memory-rldram-size>
<memory-ddr-dram-size>
  memory-ddr-dram-size
</memory-ddr-dram-size>
<memory-notification-sdram-size>
  memory-notification-sdram-size
</memory-notification-sdram-size>
<memory-heap-utilization>
  memory-heap-utilization
</memory-heap-utilization>
<memory-buffer-utilization>
  memory-buffer-utilization
</memory-buffer-utilization>
<asic-information>
  asic-information
</asic-information>
<start-time>
  start-time
</start-time>
<up-time>
  up-time
</up-time>
<comment>
  comment
</comment>
<pic>....</pic>
<pic-detail>....</pic-detail>
<max-power-consumption>
  max-power-consumption
</max-power-consumption>
<red-led>
  red-led
</red-led>
<green-led>
  green-led
</green-led>
</fpc>
</fpc-information>

```

## Description

<fpc>

## Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fpc-information>
      <fpc>
        <slot>
          slot
        </slot>
        <logical-slot>
          logical-slot

```

```
</logical-slot>
<state>
  state
</state>
<description>
  description
</description>
<error-code>
  error-code
</error-code>
<temperature>
  temperature
</temperature>
<cpu-total>
  cpu-total
</cpu-total>
<cpu-interrupt>
  cpu-interrupt
</cpu-interrupt>
<cpu-less-info-str>
  cpu-less-info-str
</cpu-less-info-str>
<memory-dram-size>
  memory-dram-size
</memory-dram-size>
<memory-sram-size>
  memory-sram-size
</memory-sram-size>
<memory-sdram-size>
  memory-sdram-size
</memory-sdram-size>
<memory-rldram-size>
  memory-rldram-size
</memory-rldram-size>
<memory-ddr-dram-size>
  memory-ddr-dram-size
</memory-ddr-dram-size>
<memory-notification-sdram-size>
  memory-notification-sdram-size
</memory-notification-sdram-size>
<memory-heap-utilization>
  memory-heap-utilization
</memory-heap-utilization>
<memory-buffer-utilization>
  memory-buffer-utilization
</memory-buffer-utilization>
<asic-information>
  asic-information
</asic-information>
<start-time>
  start-time
</start-time>
<up-time>
  up-time
</up-time>
<comment>
```

```

        comment
      </comment>
    <pic>....</pic>
    <pic-detail>....</pic-detail>
    <max-power-consumption>
      max-power-consumption
    </max-power-consumption>
    <red-led>
      red-led
    </red-led>
    <green-led>
      green-led
    </green-led>
  </fpc>
</fpc-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

<fpc>

## Usage

```

<fpc-panel>
  <fpc>
    <slot>
      slot
    </slot>
    <logical-slot>
      logical-slot
    </logical-slot>
    <state>
      state
    </state>
    <description>
      description
    </description>
    <error-code>
      error-code
    </error-code>
    <temperature>
      temperature
    </temperature>
    <cpu-total>
      cpu-total
    </cpu-total>
    <cpu-interrupt>
      cpu-interrupt
    </cpu-interrupt>
    <cpu-less-info-str>
      cpu-less-info-str
    </cpu-less-info-str>
    <memory-dram-size>
      memory-dram-size
    </memory-dram-size>
  </fpc>
</fpc-panel>

```

```
<memory-sram-size>
  memory-sram-size
</memory-sram-size>
<memory-sdram-size>
  memory-sdram-size
</memory-sdram-size>
<memory-rldram-size>
  memory-rldram-size
</memory-rldram-size>
<memory-ddr-dram-size>
  memory-ddr-dram-size
</memory-ddr-dram-size>
<memory-notification-sdram-size>
  memory-notification-sdram-size
</memory-notification-sdram-size>
<memory-heap-utilization>
  memory-heap-utilization
</memory-heap-utilization>
<memory-buffer-utilization>
  memory-buffer-utilization
</memory-buffer-utilization>
<asic-information>
  asic-information
</asic-information>
<start-time>
  start-time
</start-time>
<up-time>
  up-time
</up-time>
<comment>
  comment
</comment>
<pic>....</pic>
<pic-detail>....</pic-detail>
<max-power-consumption>
  max-power-consumption
</max-power-consumption>
<red-led>
  red-led
</red-led>
<green-led>
  green-led
</green-led>
</fpc>
</fpc-panel>
```

#### Description

<fpc>

#### Usage

```
<front-panel>
<fpc-panel>
<fpc>
```



```
<slot>
  slot
</slot>
<logical-slot>
  logical-slot
</logical-slot>
<state>
  state
</state>
<description>
  description
</description>
<error-code>
  error-code
</error-code>
<temperature>
  temperature
</temperature>
<cpu-total>
  cpu-total
</cpu-total>
<cpu-interrupt>
  cpu-interrupt
</cpu-interrupt>
<cpu-less-info-str>
  cpu-less-info-str
</cpu-less-info-str>
<memory-dram-size>
  memory-dram-size
</memory-dram-size>
<memory-sram-size>
  memory-sram-size
</memory-sram-size>
<memory-sdram-size>
  memory-sdram-size
</memory-sdram-size>
<memory-rldram-size>
  memory-rldram-size
</memory-rldram-size>
<memory-ddr-dram-size>
  memory-ddr-dram-size
</memory-ddr-dram-size>
<memory-notification-sdram-size>
  memory-notification-sdram-size
</memory-notification-sdram-size>
<memory-heap-utilization>
  memory-heap-utilization
</memory-heap-utilization>
<memory-buffer-utilization>
  memory-buffer-utilization
</memory-buffer-utilization>
<asic-information>
  asic-information
</asic-information>
<start-time>
  start-time
```

```
</start-time>
<up-time>
  up-time
</up-time>
<comment>
  comment
</comment>
<pic>....</pic>
<pic-detail>....</pic-detail>
<max-power-consumption>
  max-power-consumption
</max-power-consumption>
<red-led>
  red-led
</red-led>
<green-led>
  green-led
</green-led>
</fpc>
</fpc-panel>
</front-panel>
```

## Description

<fpc>

## Usage

```
<craft-information>
<front-panel>
<fpc-panel>
<fpc>
  <slot>
    slot
  </slot>
  <logical-slot>
    logical-slot
  </logical-slot>
  <state>
    state
  </state>
  <description>
    description
  </description>
  <error-code>
    error-code
  </error-code>
  <temperature>
    temperature
  </temperature>
  <cpu-total>
    cpu-total
  </cpu-total>
  <cpu-interrupt>
    cpu-interrupt
  </cpu-interrupt>
```

```
<cpu-less-info-str>
  cpu-less-info-str
</cpu-less-info-str>
<memory-dram-size>
  memory-dram-size
</memory-dram-size>
<memory-sram-size>
  memory-sram-size
</memory-sram-size>
<memory-sdram-size>
  memory-sdram-size
</memory-sdram-size>
<memory-rldram-size>
  memory-rldram-size
</memory-rldram-size>
<memory-ddr-dram-size>
  memory-ddr-dram-size
</memory-ddr-dram-size>
<memory-notification-sdram-size>
  memory-notification-sdram-size
</memory-notification-sdram-size>
<memory-heap-utilization>
  memory-heap-utilization
</memory-heap-utilization>
<memory-buffer-utilization>
  memory-buffer-utilization
</memory-buffer-utilization>
<asic-information>
  asic-information
</asic-information>
<start-time>
  start-time
</start-time>
<up-time>
  up-time
</up-time>
<comment>
  comment
</comment>
<pic>.....</pic>
<pic-detail>.....</pic-detail>
<max-power-consumption>
  max-power-consumption
</max-power-consumption>
<red-led>
  red-led
</red-led>
<green-led>
  green-led
</green-led>
</fpc>
</fpc-panel>
</front-panel>
</craft-information>
```

## Description

&lt;fpc&gt;

## Usage

```
<poe>
  <fpc-information>
    <fpc>
      <slot>
        slot
      </slot>
      <logical-slot>
        logical-slot
      </logical-slot>
      <state>
        state
      </state>
      <description>
        description
      </description>
      <error-code>
        error-code
      </error-code>
      <temperature>
        temperature
      </temperature>
      <cpu-total>
        cpu-total
      </cpu-total>
      <cpu-interrupt>
        cpu-interrupt
      </cpu-interrupt>
      <cpu-less-info-str>
        cpu-less-info-str
      </cpu-less-info-str>
      <memory-dram-size>
        memory-dram-size
      </memory-dram-size>
      <memory-sram-size>
        memory-sram-size
      </memory-sram-size>
      <memory-sdram-size>
        memory-sdram-size
      </memory-sdram-size>
      <memory-rldram-size>
        memory-rldram-size
      </memory-rldram-size>
      <memory-ddr-dram-size>
        memory-ddr-dram-size
      </memory-ddr-dram-size>
      <memory-notification-sdram-size>
        memory-notification-sdram-size
      </memory-notification-sdram-size>
      <memory-heap-utilization>
        memory-heap-utilization
      </memory-heap-utilization>
```

```

<memory-buffer-utilization>
  memory-buffer-utilization
</memory-buffer-utilization>
<asic-information>
  asic-information
</asic-information>
<start-time>
  start-time
</start-time>
<up-time>
  up-time
</up-time>
<comment>
  comment
</comment>
<pic>....</pic>
<pic-detail>....</pic-detail>
<max-power-consumption>
  max-power-consumption
</max-power-consumption>
<red-led>
  red-led
</red-led>
<green-led>
  green-led
</green-led>
</fpc>
</fpc-information>
</poe>

```

#### Description

### <fpc-fabric-upgrade-bw-info-item>

#### Usage

```

<fabric-mx-upgrade-bw>
  <fpc-fabric-upgrade-bw-info-item>
    <fpc-slot-num>
      fpc-slot-num
    </fpc-slot-num>
    <fpc-fab-state>
      fpc-fab-state
    </fpc-fab-state>
  </fpc-fabric-upgrade-bw-info-item>
</fabric-mx-upgrade-bw>

```

**Description** FPC state information with respect to fabric bandwidth

### <fpc-fabric-upgrade-bw-retrain-single-item>

#### Usage

```

<fabric-mx-upgrade-bw>
  <fpc-fabric-upgrade-bw-retrain-single-item>

```

```
<fpc-fabric-retrain-state>
  fpc-fabric-retrain-state
</fpc-fabric-retrain-state>
</fpc-fabric-upgrade-bw-retrain-single-item>
</fabric-mx-upgrade-bw>
```

**Description** FPC-fabric link training info with respect to upgrade

### <fpc-fabric-upgrade-bw-retrain-summary-item>

**Usage**

```
<fabric-mx-upgrade-bw>
  <fpc-fabric-upgrade-bw-retrain-summary-item>
    <fpc-fabric-retrain-summary>
      fpc-fabric-retrain-summary
    </fpc-fabric-retrain-summary>
  </fpc-fabric-upgrade-bw-retrain-summary-item>
</fabric-mx-upgrade-bw>
```

**Description** FPC-fabric link training summary

### <fpc-feb-connectivity>

**Usage**

```
<fpc-feb-connectivity>
  <fpc-feb-connectivity-item>....</fpc-feb-connectivity-item>
</fpc-feb-connectivity>
```

**Description** Information about connectivity between FPCs and FEBs

### <fpc-feb-connectivity-item>

**Usage**

```
<fpc-feb-connectivity>
  <fpc-feb-connectivity-item>
    <fpc-slot>
      fpc-slot
    </fpc-slot>
    <fpc-type>
      fpc-type
    </fpc-type>
    <fpc-state>
      fpc-state
    </fpc-state>
    <feb-slot>
      feb-slot
    </feb-slot>
    <no-feb-slot>
      no-feb-slot
    </no-feb-slot>
    <feb-state>
```

```

    feb-state
  </feb-state>
  <fpc-link-status>
    fpc-link-status
  </fpc-link-status>
</fpc-feb-connectivity-item>
</fpc-feb-connectivity>

```

**Description** FEB connectivity information for an FPC

## <fpc-information>

### Usage

```

<fpc-information>
  <fpc>....</fpc>
  <fpc-slot>
    fpc-slot
  </fpc-slot>
  <fpc-power-limit>
    fpc-power-limit
  </fpc-power-limit>
  <fpc-priority>
    fpc-priority
  </fpc-priority>
  <fpc-power>
    fpc-power
  </fpc-power>
  <fpc-status>
    fpc-status
  </fpc-status>
  <fpc-firmware-version>
    fpc-firmware-version
  </fpc-firmware-version>
</fpc-information>

```

**Description**

## <fpc-information>

### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fpc-information>
      <fpc>....</fpc>
      <fpc-slot>
        fpc-slot
      </fpc-slot>
      <fpc-power-limit>
        fpc-power-limit
      </fpc-power-limit>
      <fpc-priority>
        fpc-priority
      </fpc-priority>
    </fpc-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

```
<fpc-power>
  fpc-power
</fpc-power>
<fpc-status>
  fpc-status
</fpc-status>
<fpc-firmware-version>
  fpc-firmware-version
</fpc-firmware-version>
</fpc-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description****<fpc-information>****Usage**

```
<poe>
  <fpc-information>
    <fpc>....</fpc>
    <fpc-slot>
      fpc-slot
    </fpc-slot>
    <fpc-power-limit>
      fpc-power-limit
    </fpc-power-limit>
    <fpc-priority>
      fpc-priority
    </fpc-priority>
    <fpc-power>
      fpc-power
    </fpc-power>
    <fpc-status>
      fpc-status
    </fpc-status>
    <fpc-firmware-version>
      fpc-firmware-version
    </fpc-firmware-version>
  </fpc-information>
</poe>
```

**Description****<fpc-panel>****Usage**

```
<fpc-panel>
  <fpc>....</fpc>
</fpc-panel>
```

**Description** State of status LEDs on the craft interface for Flexible PIC Concentrators



### <fpc-panel>

**Usage**

```
<front-panel>
  <fpc-panel>
    <fpc>....</fpc>
  </fpc-panel>
</front-panel>
```

**Description** State of status LEDs on the craft interface for Flexible PIC Concentrators

### <fpc-panel>

**Usage**

```
<craft-information>
  <front-panel>
    <fpc-panel>
      <fpc>....</fpc>
    </fpc-panel>
  </front-panel>
</craft-information>
```

**Description** State of status LEDs on the craft interface for Flexible PIC Concentrators

### <fpga-registers>

**Usage**

```
<environment-component-information>
  <environment-component-item>
    <fpga-registers>
      <fpga-registers-name>
        fpga-registers-name
      </fpga-registers-name>
      <fpga-registers-value>
        fpga-registers-value
      </fpga-registers-value>
    </fpga-registers>
  </environment-component-item>
</environment-component-information>
```

**Description** FPGA register values

### <fpga-revision-detail>

**Usage**

```
<environment-component-information>
  <environment-component-item>
    <fpga-revision-detail>
      <fpga-revision-name>
        fpga-revision-name
      </fpga-revision-name>
    </fpga-revision-detail>
  </environment-component-item>
</environment-component-information>
```

```
</fpga-revision-name>
<fpga-revision-value>
  fpga-revision-value
</fpga-revision-value>
</fpga-revision-detail>
</environment-component-item>
</environment-component-information>
```

**Description**    FPGA revision in detail

## <front-panel>

### Usage

```
<front-panel>
<display-panel>....</display-panel>
<re-panel>....</re-panel>
<alarm-indicators>....</alarm-indicators>
<fpc-panel>....</fpc-panel>
</front-panel>
```

**Description**    Information from the craft interface

## <front-panel>

### Usage

```
<craft-information>
  <front-panel>
    <display-panel>....</display-panel>
    <re-panel>....</re-panel>
    <alarm-indicators>....</alarm-indicators>
    <fpc-panel>....</fpc-panel>
  </front-panel>
</craft-information>
```

**Description**    Information from the craft interface

## <front-panel-lcd>

### Usage

```
<front-panel-lcd>
<front-panel-title>....</front-panel-title>
<display-panel-lcd>....</display-panel-lcd>
<system-led>....</system-led>
<interface-led>....</interface-led>
</front-panel-lcd>
```

**Description**    Information from the LCD-LED interfaces

**<front-panel-lcd>****Usage**

```

<craft-lcd-led-information>
  <front-panel-lcd>
    <front-panel-title>....</front-panel-title>
    <display-panel-lcd>....</display-panel-lcd>
    <system-led>....</system-led>
    <interface-led>....</interface-led>
  </front-panel-lcd>
</craft-lcd-led-information>

```

**Description** Information from the LCD-LED interfaces

**<front-panel-title>****Usage**

```

<front-panel-lcd>
  <front-panel-title>
    <name>
      name
    </name>
  </front-panel-title>
</front-panel-lcd>

```

**Description**

**<front-panel-title>****Usage**

```

<craft-lcd-led-information>
  <front-panel-lcd>
    <front-panel-title>
      <name>
        name
      </name>
    </front-panel-title>
  </front-panel-lcd>
</craft-lcd-led-information>

```

**Description**

**<front-panel-title>****Usage**

```

<craft-lcd-led-information>
  <front-panel-title>
    <name>
      name
    </name>
  </front-panel-title>

```

```
</craft-lcd-led-information>
```

**Description**

```
<fru>
```

**Usage**

```
<fru-information>
  <fru>
    <slot>
      slot
    </slot>
    <state>
      state
    </state>
    <up-time>
      up-time
    </up-time>
    <comment>
      comment
    </comment>
  </fru>
</fru-information>
```

**Description**

```
<fru-information>
```

**Usage**

```
<fru-information>
  <fru>....</fru>
</fru-information>
```

**Description**

```
<fru-power-on-sequence>
```

**Usage**

```
<fru-power-on-sequence>
  <sequence>
    sequence
  </sequence>
</fru-power-on-sequence>
```

**Description** Chassis FRU Power On Sequence

```
<ha-led>
```

**Usage**

```
<ha-led>
  <red-led>
```

```
    red-led
  </red-led>
  <yellow-led>
    yellow-led
  </yellow-led>
  <amber-led>
    amber-led
  </amber-led>
</ha-led>
```

**Description** State of the HA LED on the craft interface

### <ha-led>

#### Usage

```
<recb-panel>
  <ha-led>
    <red-led>
      red-led
    </red-led>
    <yellow-led>
      yellow-led
    </yellow-led>
    <amber-led>
      amber-led
    </amber-led>
  </ha-led>
</recb-panel>
```

**Description** State of the HA LED on the craft interface

### <ha-led>

#### Usage

```
<craft-information>
  <recb-panel>
    <ha-led>
      <red-led>
        red-led
      </red-led>
      <yellow-led>
        yellow-led
      </yellow-led>
      <amber-led>
        amber-led
      </amber-led>
    </ha-led>
  </recb-panel>
</craft-information>
```

**Description** State of the HA LED on the craft interface

## <i2c-information>

### Usage

```
<i2c-information>
  <jedec-code>
    jedec-code
  </jedec-code>
  <eeprom-version>
    eeprom-version
  </eeprom-version>
  <part-number>
    part-number
  </part-number>
  <serial-number>
    serial-number
  </serial-number>
  <model-number>
    model-number
  </model-number>
  <clei-code>
    clei-code
  </clei-code>
  <assembly-identifier>
    assembly-identifier
  </assembly-identifier>
  <assembly-version>
    assembly-version
  </assembly-version>
  <manufacture-date>
    manufacture-date
  </manufacture-date>
  <assembly-flags>
    assembly-flags
  </assembly-flags>
  <i2c-version>
    i2c-version
  </i2c-version>
  <i2c-identifier>
    i2c-identifier
  </i2c-identifier>
  <i2c-data>
    i2c-data
  </i2c-data>
  <board-information-record>
    board-information-record
  </board-information-record>
</i2c-information>
```

### Description

## <i2c-information>

### Usage

```
<chassis-inventory>
```

```

<chassis>
  <i2c-information>
    <jedec-code>
      jedec-code
    </jedec-code>
    <eeprom-version>
      eeprom-version
    </eeprom-version>
    <part-number>
      part-number
    </part-number>
    <serial-number>
      serial-number
    </serial-number>
    <model-number>
      model-number
    </model-number>
    <clei-code>
      clei-code
    </clei-code>
    <assembly-identifier>
      assembly-identifier
    </assembly-identifier>
    <assembly-version>
      assembly-version
    </assembly-version>
    <manufacture-date>
      manufacture-date
    </manufacture-date>
    <assembly-flags>
      assembly-flags
    </assembly-flags>
    <i2c-version>
      i2c-version
    </i2c-version>
    <i2c-identifier>
      i2c-identifier
    </i2c-identifier>
    <i2c-data>
      i2c-data
    </i2c-data>
    <board-information-record>
      board-information-record
    </board-information-record>
  </i2c-information>
</chassis>
</chassis-inventory>

```

## Description

<i2c-information>

## Usage

```

<chassis-inventory>
  <chassis>

```

```
<chassis-module>
  <i2c-information>
    <jedec-code>
      jedec-code
    </jedec-code>
    <eeprom-version>
      eeprom-version
    </eeprom-version>
    <part-number>
      part-number
    </part-number>
    <serial-number>
      serial-number
    </serial-number>
    <model-number>
      model-number
    </model-number>
    <clei-code>
      clei-code
    </clei-code>
    <assembly-identifier>
      assembly-identifier
    </assembly-identifier>
    <assembly-version>
      assembly-version
    </assembly-version>
    <manufacture-date>
      manufacture-date
    </manufacture-date>
    <assembly-flags>
      assembly-flags
    </assembly-flags>
    <i2c-version>
      i2c-version
    </i2c-version>
    <i2c-identifier>
      i2c-identifier
    </i2c-identifier>
    <i2c-data>
      i2c-data
    </i2c-data>
    <board-information-record>
      board-information-record
    </board-information-record>
  </i2c-information>
</chassis-module>
</chassis>
</chassis-inventory>
```

#### Description

<i2c-information>

#### Usage

<chassis-inventory>



```
<chassis>
  <chassis-module>
    <chassis-sub-module>
      <i2c-information>
        <jedec-code>
          jedec-code
        </jedec-code>
        <eeprom-version>
          eeprom-version
        </eeprom-version>
        <part-number>
          part-number
        </part-number>
        <serial-number>
          serial-number
        </serial-number>
        <model-number>
          model-number
        </model-number>
        <clei-code>
          clei-code
        </clei-code>
        <assembly-identifier>
          assembly-identifier
        </assembly-identifier>
        <assembly-version>
          assembly-version
        </assembly-version>
        <manufacture-date>
          manufacture-date
        </manufacture-date>
        <assembly-flags>
          assembly-flags
        </assembly-flags>
        <i2c-version>
          i2c-version
        </i2c-version>
        <i2c-identifier>
          i2c-identifier
        </i2c-identifier>
        <i2c-data>
          i2c-data
        </i2c-data>
        <board-information-record>
          board-information-record
        </board-information-record>
      </i2c-information>
    </chassis-sub-module>
  </chassis-module>
</chassis>
</chassis-inventory>
```

## Description

## <i2c-information>

### Usage

```
<firmware-information>
<chassis>
  <i2c-information>
    <jedec-code>
      jedec-code
    </jedec-code>
    <eeprom-version>
      eeprom-version
    </eeprom-version>
    <part-number>
      part-number
    </part-number>
    <serial-number>
      serial-number
    </serial-number>
    <model-number>
      model-number
    </model-number>
    <clei-code>
      clei-code
    </clei-code>
    <assembly-identifier>
      assembly-identifier
    </assembly-identifier>
    <assembly-version>
      assembly-version
    </assembly-version>
    <manufacture-date>
      manufacture-date
    </manufacture-date>
    <assembly-flags>
      assembly-flags
    </assembly-flags>
    <i2c-version>
      i2c-version
    </i2c-version>
    <i2c-identifier>
      i2c-identifier
    </i2c-identifier>
    <i2c-data>
      i2c-data
    </i2c-data>
    <board-information-record>
      board-information-record
    </board-information-record>
  </i2c-information>
</chassis>
</firmware-information>
```

### Description

## &lt;i2c-information&gt;

## Usage

```

<firmware-information>
<chassis>
<chassis-module>
  <i2c-information>
    <jedec-code>
      jedec-code
    </jedec-code>
    <eeprom-version>
      eeprom-version
    </eeprom-version>
    <part-number>
      part-number
    </part-number>
    <serial-number>
      serial-number
    </serial-number>
    <model-number>
      model-number
    </model-number>
    <clei-code>
      clei-code
    </clei-code>
    <assembly-identifier>
      assembly-identifier
    </assembly-identifier>
    <assembly-version>
      assembly-version
    </assembly-version>
    <manufacture-date>
      manufacture-date
    </manufacture-date>
    <assembly-flags>
      assembly-flags
    </assembly-flags>
    <i2c-version>
      i2c-version
    </i2c-version>
    <i2c-identifier>
      i2c-identifier
    </i2c-identifier>
    <i2c-data>
      i2c-data
    </i2c-data>
    <board-information-record>
      board-information-record
    </board-information-record>
  </i2c-information>
</chassis-module>
</chassis>
</firmware-information>

```

**Description****<i2c-information>****Usage**

```
<firmware-information>
<chassis>
  <chassis-module>
    <chassis-sub-module>
      <i2c-information>
        <jedec-code>
          jedec-code
        </jedec-code>
        <eeprom-version>
          eeprom-version
        </eeprom-version>
        <part-number>
          part-number
        </part-number>
        <serial-number>
          serial-number
        </serial-number>
        <model-number>
          model-number
        </model-number>
        <clei-code>
          clei-code
        </clei-code>
        <assembly-identifier>
          assembly-identifier
        </assembly-identifier>
        <assembly-version>
          assembly-version
        </assembly-version>
        <manufacture-date>
          manufacture-date
        </manufacture-date>
        <assembly-flags>
          assembly-flags
        </assembly-flags>
        <i2c-version>
          i2c-version
        </i2c-version>
        <i2c-identifier>
          i2c-identifier
        </i2c-identifier>
        <i2c-data>
          i2c-data
        </i2c-data>
        <board-information-record>
          board-information-record
        </board-information-record>
      </i2c-information>
    </chassis-sub-module>
  </chassis-module>
</chassis>
```

```
</firmware-information>
```

## Description

### <i2c-information>

## Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<chassis-inventory>
<chassis>
  <i2c-information>
    <jedec-code>
      jedec-code
    </jedec-code>
    <eeprom-version>
      eeprom-version
    </eeprom-version>
    <part-number>
      part-number
    </part-number>
    <serial-number>
      serial-number
    </serial-number>
    <model-number>
      model-number
    </model-number>
    <clei-code>
      clei-code
    </clei-code>
    <assembly-identifier>
      assembly-identifier
    </assembly-identifier>
    <assembly-version>
      assembly-version
    </assembly-version>
    <manufacture-date>
      manufacture-date
    </manufacture-date>
    <assembly-flags>
      assembly-flags
    </assembly-flags>
    <i2c-version>
      i2c-version
    </i2c-version>
    <i2c-identifier>
      i2c-identifier
    </i2c-identifier>
    <i2c-data>
      i2c-data
    </i2c-data>
    <board-information-record>
      board-information-record
    </board-information-record>
  </i2c-information>
```

```
</chassis>
</chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

### <i2c-information>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassis-inventory>
      <chassis>
        <chassis-module>
          <i2c-information>
            <jedec-code>
              jedec-code
            </jedec-code>
            <eeprom-version>
              eeprom-version
            </eeprom-version>
            <part-number>
              part-number
            </part-number>
            <serial-number>
              serial-number
            </serial-number>
            <model-number>
              model-number
            </model-number>
            <clei-code>
              clei-code
            </clei-code>
            <assembly-identifier>
              assembly-identifier
            </assembly-identifier>
            <assembly-version>
              assembly-version
            </assembly-version>
            <manufacture-date>
              manufacture-date
            </manufacture-date>
            <assembly-flags>
              assembly-flags
            </assembly-flags>
            <i2c-version>
              i2c-version
            </i2c-version>
            <i2c-identifier>
              i2c-identifier
            </i2c-identifier>
            <i2c-data>
              i2c-data
            </i2c-data>
```

```

    <board-information-record>
      board-information-record
    </board-information-record>
  </i2c-information>
</chassis-module>
</chassis>
</chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

### <i2c-information>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassis-inventory>
      <chassis>
        <chassis-module>
          <chassis-sub-module>
            <i2c-information>
              <jedec-code>
                jedec-code
              </jedec-code>
              <eeprom-version>
                eeprom-version
              </eeprom-version>
              <part-number>
                part-number
              </part-number>
              <serial-number>
                serial-number
              </serial-number>
              <model-number>
                model-number
              </model-number>
              <clei-code>
                clei-code
              </clei-code>
              <assembly-identifier>
                assembly-identifier
              </assembly-identifier>
              <assembly-version>
                assembly-version
              </assembly-version>
              <manufacture-date>
                manufacture-date
              </manufacture-date>
              <assembly-flags>
                assembly-flags
              </assembly-flags>
            <i2c-version>
              i2c-version
            </i2c-version>
          </i2c-information>
        </chassis-sub-module>
      </chassis-module>
    </chassis>
  </chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

```
<i2c-identifier>
  i2c-identifier
</i2c-identifier>
<i2c-data>
  i2c-data
</i2c-data>
<board-information-record>
  board-information-record
</board-information-record>
</i2c-information>
</chassis-sub-module>
</chassis-module>
</chassis>
</chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

### <i2c-information>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<firmware-information>
<chassis>
  <i2c-information>
    <jedec-code>
      jedec-code
    </jedec-code>
    <eeprom-version>
      eeprom-version
    </eeprom-version>
    <part-number>
      part-number
    </part-number>
    <serial-number>
      serial-number
    </serial-number>
    <model-number>
      model-number
    </model-number>
    <clei-code>
      clei-code
    </clei-code>
    <assembly-identifier>
      assembly-identifier
    </assembly-identifier>
    <assembly-version>
      assembly-version
    </assembly-version>
    <manufacture-date>
      manufacture-date
    </manufacture-date>
    <assembly-flags>
```



```

        assembly-flags
      </assembly-flags>
    <i2c-version>
      i2c-version
    </i2c-version>
    <i2c-identifier>
      i2c-identifier
    </i2c-identifier>
    <i2c-data>
      i2c-data
    </i2c-data>
    <board-information-record>
      board-information-record
    </board-information-record>
  </i2c-information>
</chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

### <i2c-information>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <firmware-information>
      <chassis>
        <chassis-module>
          <i2c-information>
            <jedec-code>
              jedec-code
            </jedec-code>
            <eeprom-version>
              eeprom-version
            </eeprom-version>
            <part-number>
              part-number
            </part-number>
            <serial-number>
              serial-number
            </serial-number>
            <model-number>
              model-number
            </model-number>
            <clei-code>
              clei-code
            </clei-code>
            <assembly-identifier>
              assembly-identifier
            </assembly-identifier>
            <assembly-version>
              assembly-version
            </assembly-version>
          
```

```
<manufacture-date>
  manufacture-date
</manufacture-date>
<assembly-flags>
  assembly-flags
</assembly-flags>
<i2c-version>
  i2c-version
</i2c-version>
<i2c-identifier>
  i2c-identifier
</i2c-identifier>
<i2c-data>
  i2c-data
</i2c-data>
<board-information-record>
  board-information-record
</board-information-record>
</i2c-information>
</chassis-module>
</chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

### <i2c-information>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<firmware-information>
<chassis>
  <chassis-module>
    <chassis-sub-module>
      <i2c-information>
        <jedec-code>
          jedec-code
        </jedec-code>
        <eeprom-version>
          eeprom-version
        </eeprom-version>
        <part-number>
          part-number
        </part-number>
        <serial-number>
          serial-number
        </serial-number>
        <model-number>
          model-number
        </model-number>
        <clei-code>
          clei-code
        </clei-code>
```

```

    <assembly-identifier>
      assembly-identifier
    </assembly-identifier>
    <assembly-version>
      assembly-version
    </assembly-version>
    <manufacture-date>
      manufacture-date
    </manufacture-date>
    <assembly-flags>
      assembly-flags
    </assembly-flags>
    <i2c-version>
      i2c-version
    </i2c-version>
    <i2c-identifier>
      i2c-identifier
    </i2c-identifier>
    <i2c-data>
      i2c-data
    </i2c-data>
    <board-information-record>
      board-information-record
    </board-information-record>
  </i2c-information>
</chassis-sub-module>
</chassis-module>
</chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

### <in-service-upgrade-fru-status>

#### Usage

```

<in-service-upgrade-status>
  <in-service-upgrade-fru-status>
    <fru-name>
      fru-name
    </fru-name>
    <fru-status>
      fru-status
    </fru-status>
    <fru-reason>
      fru-reason
    </fru-reason>
    <in-service-upgrade-pic-status>....</in-service-upgrade-pic-status>
  </in-service-upgrade-fru-status>
</in-service-upgrade-status>

```

**Description** In-Service Software Upgrade status for chassis

### <in-service-upgrade-pic-status>

#### Usage

```
<in-service-upgrade-status>
  <in-service-upgrade-fru-status>
    <in-service-upgrade-pic-status>
      <fru-name>
        fru-name
      </fru-name>
      <fru-status>
        fru-status
      </fru-status>
      <fru-reason>
        fru-reason
      </fru-reason>
    </in-service-upgrade-pic-status>
  </in-service-upgrade-fru-status>
</in-service-upgrade-status>
```

#### Description

### <in-service-upgrade-status>

#### Usage

```
<in-service-upgrade-status>
  <in-service-upgrade-fru-status>....</in-service-upgrade-fru-status>
</in-service-upgrade-status>
```

#### Description

### <input-voltage>

#### Usage

```
<environment-component-information>
  <environment-component-item>
    <input-voltage>
      <voltage-name>
        voltage-name
      </voltage-name>
      <voltage-value>
        voltage-value
      </voltage-value>
    </input-voltage>
  </environment-component-item>
</environment-component-information>
```

#### Description

### <interface-information>

#### Usage

```
<poe>
```

```

<interface-information>
  <interface-name>
    interface-name
  </interface-name>
  <interface-enabled>
    interface-enabled
  </interface-enabled>
  <interface-status>
    interface-status
  </interface-status>
  <interface-power-limit>
    interface-power-limit
  </interface-power-limit>
  <interface-priority>
    interface-priority
  </interface-priority>
  <interface-power>
    interface-power
  </interface-power>
  <interface-asterisk>
    interface-asterisk
  </interface-asterisk>
  <interface-class>
    interface-class
  </interface-class>
</interface-information>
</poe>

```

## Description

### <interface-information-detail>

#### Usage

```

<poe>
  <interface-information-detail>
    <interface-name-detail>
      interface-name-detail
    </interface-name-detail>
    <interface-enabled-detail>
      interface-enabled-detail
    </interface-enabled-detail>
    <interface-status-detail>
      interface-status-detail
    </interface-status-detail>
    <interface-power-limit-detail>
      interface-power-limit-detail
    </interface-power-limit-detail>
    <interface-priority-detail>
      interface-priority-detail
    </interface-priority-detail>
    <interface-power-detail>
      interface-power-detail
    </interface-power-detail>
    <interface-detail-asterisk>
      interface-detail-asterisk

```

```
</interface-detail-asterisk>
<interface-class-detail>
  interface-class-detail
</interface-class-detail>
<interface-mode-detail>
  interface-mode-detail
</interface-mode-detail>
</interface-information-detail>
</poe>
```

**Description****<interface-led>****Usage**

```
<front-panel-lcd>
  <interface-led>
    <interface-display-title>
      interface-display-title
    </interface-display-title>
    <interface-led-display>....</interface-led-display>
  </interface-led>
</front-panel-lcd>
```

**Description** State of the Interface LEDs on the front panel

**<interface-led>****Usage**

```
<craft-lcd-led-information>
  <front-panel-lcd>
    <interface-led>
      <interface-display-title>
        interface-display-title
      </interface-display-title>
      <interface-led-display>....</interface-led-display>
    </interface-led>
  </front-panel-lcd>
</craft-lcd-led-information>
```

**Description** State of the Interface LEDs on the front panel

**<interface-led-display>****Usage**

```
<front-panel-lcd>
  <interface-led>
    <interface-led-display>
      <interface-name>
        interface-name
      </interface-name>
```

```

    <led-status>
      led-status
    </led-status>
    <activity-led>
      activity-led
    </activity-led>
  </interface-led-display>
</interface-led>
</front-panel-lcd>

```

#### Description

### <interface-led-display>

#### Usage

```

<craft-lcd-led-information>
  <front-panel-lcd>
    <interface-led>
      <interface-led-display>
        <interface-name>
          interface-name
        </interface-name>
        <led-status>
          led-status
        </led-status>
        <activity-led>
          activity-led
        </activity-led>
      </interface-led-display>
    </interface-led>
  </front-panel-lcd>
</craft-lcd-led-information>

```

#### Description

### <ioc-npc-connectivity>

#### Usage

```

<ioc-npc-connectivity>
  <ioc-npc-connectivity-item>....</ioc-npc-connectivity-item>
</ioc-npc-connectivity>

```

**Description** Information about connectivity between IOCs and NPCs

### <ioc-npc-connectivity-item>

#### Usage

```

<ioc-npc-connectivity>
  <ioc-npc-connectivity-item>
    <ioc-slot>
      ioc-slot
    </ioc-slot>
  </ioc-npc-connectivity-item>
</ioc-npc-connectivity>

```

```
<ioc-type>
  ioc-type
</ioc-type>
<ioc-state>
  ioc-state
</ioc-state>
<npc-slot>
  npc-slot
</npc-slot>
<no-npc-slot>
  no-npc-slot
</no-npc-slot>
<npc-state>
  npc-state
</npc-state>
<fpc-link-status>
  fpc-link-status
</fpc-link-status>
</ioc-npc-connectivity-item>
</ioc-npc-connectivity>
```

**Description** NPC connectivity information for an IOC

## <lcc>

### Usage

```
<lcc-information>
  <lcc>
    <slot>
      slot
    </slot>
    <state>
      state
    </state>
    <up-time>
      up-time
    </up-time>
    <comment>
      comment
    </comment>
  </lcc>
</lcc-information>
```

### Description

## <lcc-information>

### Usage

```
<lcc-information>
  <lcc>.....</lcc>
</lcc-information>
```



**Description****<marked-as-failed-source>****Usage**

```

<clock-synchronization-information>
  <clock-synchronization>
    <marked-as-failed-source-list>
      <marked-as-failed-source>
        <source-name>
          source-name
        </source-name>
      </marked-as-failed-source>
    </marked-as-failed-source-list>
  </clock-synchronization>
</clock-synchronization-information>

```

**Description****<marked-as-failed-source-list>****Usage**

```

<clock-synchronization-information>
  <clock-synchronization>
    <marked-as-failed-source-list>
      <marked-as-failed-source>....</marked-as-failed-source>
    </marked-as-failed-source-list>
  </clock-synchronization>
</clock-synchronization-information>

```

**Description****<mcs>****Usage**

```

<mcs-panel>
  <mcs>
    <slot>
      slot
    </slot>
    <amber-led>
      amber-led
    </amber-led>
    <green-led>
      green-led
    </green-led>
    <blue-led>
      blue-led
    </blue-led>
  </mcs>
</mcs-panel>

```

**Description** State of the status LEDs on the faceplate of a Miscellaneous Control Subsystem

### <mcs>

**Usage**

```
<craft-information>
  <mcs-panel>
    <mcs>
      <slot>
        slot
      </slot>
      <amber-led>
        amber-led
      </amber-led>
      <green-led>
        green-led
      </green-led>
      <blue-led>
        blue-led
      </blue-led>
    </mcs>
  </mcs-panel>
</craft-information>
```

**Description** State of the status LEDs on the faceplate of a Miscellaneous Control Subsystem

### <mcs-panel>

**Usage**

```
<mcs-panel>
  <mcs>....</mcs>
</mcs-panel>
```

**Description** State of the status LEDs on the faceplate of one or more Miscellaneous Control Subsystems

### <mcs-panel>

**Usage**

```
<craft-information>
  <mcs-panel>
    <mcs>....</mcs>
  </mcs-panel>
</craft-information>
```

**Description** State of the status LEDs on the faceplate of one or more Miscellaneous Control Subsystems

### <multi-routing-engine-item>

**Usage**

```
<multi-routing-engine-results>
```

```

<multi-routing-engine-item>
  <re-name>
    re-name
  </re-name>
  <chassis-location-information>....</chassis-location-information>
  <chassisd-database-memory-usage>....</chassisd-database-memory-usage>
  <chassis-inventory>....</chassis-inventory>
  <environment-information>....</environment-information>
  <fpc-information>....</fpc-information>
  <fm-topology>....</fm-topology>
  <spmb-information>....</spmb-information>
  <sib-information>....</sib-information>
  <fm-fpc-state-information>....</fm-fpc-state-information>
  <fm-sib-state-information>....</fm-sib-state-information>
  <fpc-sib-hsl-diag-information>....</fpc-sib-hsl-diag-information>
  <scb-information>....</scb-information>
  <route-engine-information>....</route-engine-information>
  <firmware-information>....</firmware-information>
  <system-firmware-information>....</system-firmware-information>

<system-firmware-compatibility-information>....</system-firmware-compatibility-information>

  <power-budget-information>....</power-budget-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

## &lt;multi-routing-engine-results&gt;

## Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>....</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

## &lt;network-services&gt;

## Usage

```

<network-services>
  <network-services-information>....</network-services-information>
</network-services>

```

## Description

## &lt;network-services-information&gt;

## Usage

```

<network-services>
  <network-services-information>
    <name>
      name
    </name>
  </network-services-information>
</network-services>

```

```
</name>
</network-services-information>
</network-services>
```

**Description****<notification-information>****Usage**

```
<poe>
  <notification-information>
    <fpc-number>
      fpc-number
    </fpc-number>
    <notification-status>
      notification-status
    </notification-status>
  </notification-information>
</poe>
```

**Description****<output-detail>****Usage**

```
<environment-component-information>
  <environment-component-item>
    <output-detail>
      <output-voltage>
        output-voltage
      </output-voltage>
      <output-current>
        output-current
      </output-current>
    </output-detail>
  </environment-component-item>
</environment-component-information>
```

**Description** Detailed power output information

**<pcg>****Usage**

```
<pcg-panel>
  <pcg>
    <slot>
      slot
    </slot>
    <amber-led>
      amber-led
    </amber-led>
    <green-led>
```

```

        green-led
      </green-led>
    <blue-led>
      blue-led
    </blue-led>
  </pcg>
</pcg-panel>

```

**Description** State of the status LEDs on the faceplate of a Packet Forwarding Engine Clock Generator

## <pcg>

### Usage

```

<craft-information>
  <pcg-panel>
    <pcg>
      <slot>
        slot
      </slot>
      <amber-led>
        amber-led
      </amber-led>
      <green-led>
        green-led
      </green-led>
      <blue-led>
        blue-led
      </blue-led>
    </pcg>
  </pcg-panel>
</craft-information>

```

**Description** State of the status LEDs on the faceplate of a Packet Forwarding Engine Clock Generator

## <pcg-frequency>

### Usage

```

<environment-component-information>
  <environment-component-item>
    <pcg-frequency>
      <pcg-frequency-setting>
        pcg-frequency-setting
      </pcg-frequency-setting>
      <pcg-frequency-measurement>
        pcg-frequency-measurement
      </pcg-frequency-measurement>
    </pcg-frequency>
  </environment-component-item>
</environment-component-information>

```

**Description** PCG Frequency

### <pcg-panel>

**Usage**

```
<pcg-panel>
  <pcg>....</pcg>
</pcg-panel>
```

**Description** State of the status LEDs on the faceplate of one or more Packet Forwarding Engine Clock Generators

### <pcg-panel>

**Usage**

```
<craft-information>
  <pcg-panel>
    <pcg>....</pcg>
  </pcg-panel>
</craft-information>
```

**Description** State of the status LEDs on the faceplate of one or more Packet Forwarding Engine Clock Generators

### <pem-capacity-detail>

**Usage**

```
<power-usage-information>
  <power-usage-item>
    <pem-capacity-detail>
      <capacity-actual>
        capacity-actual
      </capacity-actual>
      <capacity-max>
        capacity-max
      </capacity-max>
    </pem-capacity-detail>
  </power-usage-item>
</power-usage-information>
```

**Description**

### <pic>

**Usage**

```
<fpc-information>
  <fpc>
    <pic>
      <pic-slot>
        pic-slot
      </pic-slot>
      <pic-type>
        pic-type
      </pic-type>
    </pic>
  </fpc>
</fpc-information>
```

```

    </pic-type>
    <pic-state>
      pic-state
    </pic-state>
    <comment>
      comment
    </comment>
  </pic>
</fpc>
</fpc-information>

```

#### Description

<pic>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fpc-information>
      <fpc>
        <pic>
          <pic-slot>
            pic-slot
          </pic-slot>
          <pic-type>
            pic-type
          </pic-type>
          <pic-state>
            pic-state
          </pic-state>
          <comment>
            comment
          </comment>
        </pic>
      </fpc>
    </fpc-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

<pic>

#### Usage

```

<fpc-panel>
  <fpc>
    <pic>
      <pic-slot>
        pic-slot
      </pic-slot>
      <pic-type>
        pic-type
      </pic-type>
      <pic-state>

```

```
    pic-state
  </pic-state>
  <comment>
    comment
  </comment>
</pic>
</fpc>
</fpc-panel>
```

#### Description

<pic>

#### Usage

```
<front-panel>
<fpc-panel>
  <fpc>
    <pic>
      <pic-slot>
        pic-slot
      </pic-slot>
      <pic-type>
        pic-type
      </pic-type>
      <pic-state>
        pic-state
      </pic-state>
      <comment>
        comment
      </comment>
    </pic>
  </fpc>
</fpc-panel>
</front-panel>
```

#### Description

<pic>

#### Usage

```
<craft-information>
<front-panel>
<fpc-panel>
  <fpc>
    <pic>
      <pic-slot>
        pic-slot
      </pic-slot>
      <pic-type>
        pic-type
      </pic-type>
      <pic-state>
        pic-state
      </pic-state>
```



```

    <comment>
      comment
    </comment>
  </pic>
</fpc>
</fpc-panel>
</front-panel>
</craft-information>

```

## Description

<pic>

## Usage

```

<poe>
  <fpc-information>
    <fpc>
      <pic>
        <pic-slot>
          pic-slot
        </pic-slot>
        <pic-type>
          pic-type
        </pic-type>
        <pic-state>
          pic-state
        </pic-state>
        <comment>
          comment
        </comment>
      </pic>
    </fpc>
  </fpc-information>
</poe>

```

## Description

<pic-detail>

## Usage

```

<fpc-information>
  <fpc>
    <pic-detail>
      <slot>
        slot
      </slot>
      <pic-slot>
        pic-slot
      </pic-slot>
      <pic-type>
        pic-type
      </pic-type>
      <asic-type>
        asic-type

```

```
</asic-type>
<comment>
  comment
</comment>
<pic-version>
  pic-version
</pic-version>
<state>
  state
</state>
<cpu-total>
  cpu-total
</cpu-total>
<cpu-interrupt>
  cpu-interrupt
</cpu-interrupt>
<memory-buffer-utilization>
  memory-buffer-utilization
</memory-buffer-utilization>
<memory-heap-utilization>
  memory-heap-utilization
</memory-heap-utilization>
<memory-dram-size>
  memory-dram-size
</memory-dram-size>
<cpu-sw-version>
  cpu-sw-version
</cpu-sw-version>
<cpu-rom-version>
  cpu-rom-version
</cpu-rom-version>
<up-time>
  up-time
</up-time>
<pic-package>
  pic-package
</pic-package>
<pic-clock-sync>
  pic-clock-sync
</pic-clock-sync>
<pic-multirate-mode>
  pic-multirate-mode
</pic-multirate-mode>
<pic-channelization-mode>
  pic-channelization-mode
</pic-channelization-mode>
<configured-mode>
  configured-mode
</configured-mode>
<port-information>....</port-information>
</pic-detail>
</fpc>
</fpc-information>
```

## Description

&lt;pic-detail&gt;

## Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fpc-information>
      <fpc>
        <pic-detail>
          <slot>
            slot
          </slot>
          <pic-slot>
            pic-slot
          </pic-slot>
          <pic-type>
            pic-type
          </pic-type>
          <asic-type>
            asic-type
          </asic-type>
          <comment>
            comment
          </comment>
          <pic-version>
            pic-version
          </pic-version>
          <state>
            state
          </state>
          <cpu-total>
            cpu-total
          </cpu-total>
          <cpu-interrupt>
            cpu-interrupt
          </cpu-interrupt>
          <memory-buffer-utilization>
            memory-buffer-utilization
          </memory-buffer-utilization>
          <memory-heap-utilization>
            memory-heap-utilization
          </memory-heap-utilization>
          <memory-dram-size>
            memory-dram-size
          </memory-dram-size>
          <cpu-sw-version>
            cpu-sw-version
          </cpu-sw-version>
          <cpu-rom-version>
            cpu-rom-version
          </cpu-rom-version>
          <up-time>
            up-time
          </up-time>
        </pic-package>
      </fpc>
    </fpc-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

```
    pic-package
  </pic-package>
  <pic-clock-sync>
    pic-clock-sync
  </pic-clock-sync>
  <pic-multirate-mode>
    pic-multirate-mode
  </pic-multirate-mode>
  <pic-channelization-mode>
    pic-channelization-mode
  </pic-channelization-mode>
  <configured-mode>
    configured-mode
  </configured-mode>
  <port-information>.....</port-information>
</pic-detail>
</fpc>
</fpc-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

### <pic-detail>

#### Usage

```
<fpc-panel>
<fpc>
  <pic-detail>
    <slot>
      slot
    </slot>
    <pic-slot>
      pic-slot
    </pic-slot>
    <pic-type>
      pic-type
    </pic-type>
    <asic-type>
      asic-type
    </asic-type>
    <comment>
      comment
    </comment>
    <pic-version>
      pic-version
    </pic-version>
    <state>
      state
    </state>
    <cpu-total>
      cpu-total
    </cpu-total>
    <cpu-interrupt>
      cpu-interrupt
```

```

</cpu-interrupt>
<memory-buffer-utilization>
  memory-buffer-utilization
</memory-buffer-utilization>
<memory-heap-utilization>
  memory-heap-utilization
</memory-heap-utilization>
<memory-dram-size>
  memory-dram-size
</memory-dram-size>
<cpu-sw-version>
  cpu-sw-version
</cpu-sw-version>
<cpu-rom-version>
  cpu-rom-version
</cpu-rom-version>
<up-time>
  up-time
</up-time>
<pic-package>
  pic-package
</pic-package>
<pic-clock-sync>
  pic-clock-sync
</pic-clock-sync>
<pic-multirate-mode>
  pic-multirate-mode
</pic-multirate-mode>
<pic-channelization-mode>
  pic-channelization-mode
</pic-channelization-mode>
<configured-mode>
  configured-mode
</configured-mode>
<port-information>....</port-information>
</pic-detail>
</fpc>
</fpc-panel>

```

## Description

### <pic-detail>

#### Usage

```

<front-panel>
<fpc-panel>
<fpc>
  <pic-detail>
    <slot>
      slot
    </slot>
    <pic-slot>
      pic-slot
    </pic-slot>
    <pic-type>

```

```
    pic-type
  </pic-type>
  <asic-type>
    asic-type
  </asic-type>
  <comment>
    comment
  </comment>
  <pic-version>
    pic-version
  </pic-version>
  <state>
    state
  </state>
  <cpu-total>
    cpu-total
  </cpu-total>
  <cpu-interrupt>
    cpu-interrupt
  </cpu-interrupt>
  <memory-buffer-utilization>
    memory-buffer-utilization
  </memory-buffer-utilization>
  <memory-heap-utilization>
    memory-heap-utilization
  </memory-heap-utilization>
  <memory-dram-size>
    memory-dram-size
  </memory-dram-size>
  <cpu-sw-version>
    cpu-sw-version
  </cpu-sw-version>
  <cpu-rom-version>
    cpu-rom-version
  </cpu-rom-version>
  <up-time>
    up-time
  </up-time>
  <pic-package>
    pic-package
  </pic-package>
  <pic-clock-sync>
    pic-clock-sync
  </pic-clock-sync>
  <pic-multirate-mode>
    pic-multirate-mode
  </pic-multirate-mode>
  <pic-channelization-mode>
    pic-channelization-mode
  </pic-channelization-mode>
  <configured-mode>
    configured-mode
  </configured-mode>
  <port-information>....</port-information>
</pic-detail>
</fpc>
```

```

    </fpc-panel>
</front-panel>

```

## Description

<pic-detail>

## Usage

```

<craft-information>
  <front-panel>
    <fpc-panel>
      <fpc>
        <pic-detail>
          <slot>
            slot
          </slot>
          <pic-slot>
            pic-slot
          </pic-slot>
          <pic-type>
            pic-type
          </pic-type>
          <asic-type>
            asic-type
          </asic-type>
          <comment>
            comment
          </comment>
          <pic-version>
            pic-version
          </pic-version>
          <state>
            state
          </state>
          <cpu-total>
            cpu-total
          </cpu-total>
          <cpu-interrupt>
            cpu-interrupt
          </cpu-interrupt>
          <memory-buffer-utilization>
            memory-buffer-utilization
          </memory-buffer-utilization>
          <memory-heap-utilization>
            memory-heap-utilization
          </memory-heap-utilization>
          <memory-dram-size>
            memory-dram-size
          </memory-dram-size>
          <cpu-sw-version>
            cpu-sw-version
          </cpu-sw-version>
          <cpu-rom-version>
            cpu-rom-version
          </cpu-rom-version>

```

```
<up-time>
  up-time
</up-time>
<pic-package>
  pic-package
</pic-package>
<pic-clock-sync>
  pic-clock-sync
</pic-clock-sync>
<pic-multirate-mode>
  pic-multirate-mode
</pic-multirate-mode>
<pic-channelization-mode>
  pic-channelization-mode
</pic-channelization-mode>
<configured-mode>
  configured-mode
</configured-mode>
<port-information>....</port-information>
</pic-detail>
</fpc>
</fpc-panel>
</front-panel>
</craft-information>
```

## Description

### <pic-detail>

#### Usage

```
<poe>
<fpc-information>
<fpc>
  <pic-detail>
    <slot>
      slot
    </slot>
    <pic-slot>
      pic-slot
    </pic-slot>
    <pic-type>
      pic-type
    </pic-type>
    <asic-type>
      asic-type
    </asic-type>
    <comment>
      comment
    </comment>
    <pic-version>
      pic-version
    </pic-version>
    <state>
      state
    </state>
```



```

<cpu-total>
  cpu-total
</cpu-total>
<cpu-interrupt>
  cpu-interrupt
</cpu-interrupt>
<memory-buffer-utilization>
  memory-buffer-utilization
</memory-buffer-utilization>
<memory-heap-utilization>
  memory-heap-utilization
</memory-heap-utilization>
<memory-dram-size>
  memory-dram-size
</memory-dram-size>
<cpu-sw-version>
  cpu-sw-version
</cpu-sw-version>
<cpu-rom-version>
  cpu-rom-version
</cpu-rom-version>
<up-time>
  up-time
</up-time>
<pic-package>
  pic-package
</pic-package>
<pic-clock-sync>
  pic-clock-sync
</pic-clock-sync>
<pic-multirate-mode>
  pic-multirate-mode
</pic-multirate-mode>
<pic-channelization-mode>
  pic-channelization-mode
</pic-channelization-mode>
<configured-mode>
  configured-mode
</configured-mode>
<port-information>....</port-information>
</pic-detail>
</fpc>
</fpc-information>
</poe>

```

## Description

### <pmbus-table>

#### Usage

```

<environment-component-information>
  <environment-component-item>
    <pmbus-table>
      <pmbus-table-entry>....</pmbus-table-entry>
    </pmbus-table>

```

```
</environment-component-item>
</environment-component-information>
```

#### Description

### <pmbus-table-entry>

#### Usage

```
<environment-component-information>
  <environment-component-item>
    <pmbus-table>
      <pmbus-table-entry>
        <pmbus-device-name>
          pmbus-device-name
        </pmbus-device-name>
        <pmbus-expected-voltage>
          pmbus-expected-voltage
        </pmbus-expected-voltage>
        <pmbus-actual-voltage>
          pmbus-actual-voltage
        </pmbus-actual-voltage>
        <pmbus-actual-current>
          pmbus-actual-current
        </pmbus-actual-current>
        <pmbus-calculated-power>
          pmbus-calculated-power
        </pmbus-calculated-power>
      </pmbus-table-entry>
    </pmbus-table>
  </environment-component-item>
</environment-component-information>
```

**Description**    Power Management Bus Device information

### <poe>

#### Usage

```
<poe>
  <interface-information>....</interface-information>
  <interface-information-detail>....</interface-information-detail>
  <notification-information>....</notification-information>
  <controller-information>....</controller-information>
  <poe-error>....</poe-error>
  <telemetries-information>....</telemetries-information>
  <fpc-information>....</fpc-information>
</poe>
```

#### Description

## <poe-error>

### Usage

```

<poe>
  <poe-error>
    <max-power-exceeded-interface>
      max-power-exceeded-interface
    </max-power-exceeded-interface>
    <max-power-exceeded-controller>
      max-power-exceeded-controller
    </max-power-exceeded-controller>
    <poe-software-upgrade-controller>
      poe-software-upgrade-controller
    </poe-software-upgrade-controller>
    <poe-software-upgrade-reboot>
      poe-software-upgrade-reboot
    </poe-software-upgrade-reboot>
  </poe-error>
</poe>

```

### Description

## <port>

### Usage

```

<fpc-information>
  <fpc>
    <pic-detail>
      <port-information>
        <port>
          <port-number>
            port-number
          </port-number>
          <cable-type>
            cable-type
          </cable-type>
          <fiber-mode>
            fiber-mode
          </fiber-mode>
          <sfp-vendor-name>
            sfp-vendor-name
          </sfp-vendor-name>
          <sfp-vendor-pno>
            sfp-vendor-pno
          </sfp-vendor-pno>
          <wavelength>
            wavelength
          </wavelength>
        </port>
      </port-information>
    </pic-detail>
  </fpc>
</fpc-information>

```

**Description****<port>****Usage**

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fpc-information>
      <fpc>
        <pic-detail>
          <port-information>
            <port>
              <port-number>
                port-number
              </port-number>
              <cabl-e-type>
                cabl-e-type
              </cabl-e-type>
              <fiber-mode>
                fiber-mode
              </fiber-mode>
              <sfp-vendor-name>
                sfp-vendor-name
              </sfp-vendor-name>
              <sfp-vendor-pno>
                sfp-vendor-pno
              </sfp-vendor-pno>
              <wavelength>
                wavelength
              </wavelength>
            </port>
          </port-information>
        </pic-detail>
      </fpc>
    </fpc-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description****<port>****Usage**

```
<fpc-panel>
  <fpc>
    <pic-detail>
      <port-information>
        <port>
          <port-number>
            port-number
          </port-number>
          <cabl-e-type>
            cabl-e-type
          </cabl-e-type>
          <fiber-mode>
```

```

        fiber-mode
      </fiber-mode>
    <sfp-vendor-name>
      sfp-vendor-name
    </sfp-vendor-name>
    <sfp-vendor-pno>
      sfp-vendor-pno
    </sfp-vendor-pno>
    <wavelength>
      wavelength
    </wavelength>
  </port>
</port-information>
</pic-detail>
</fpc>
</fpc-panel>

```

#### Description

<port>

#### Usage

```

<front-panel>
  <fpc-panel>
    <fpc>
      <pic-detail>
        <port-information>
          <port>
            <port-number>
              port-number
            </port-number>
            <cable-type>
              cable-type
            </cable-type>
            <fiber-mode>
              fiber-mode
            </fiber-mode>
            <sfp-vendor-name>
              sfp-vendor-name
            </sfp-vendor-name>
            <sfp-vendor-pno>
              sfp-vendor-pno
            </sfp-vendor-pno>
            <wavelength>
              wavelength
            </wavelength>
          </port>
        </port-information>
      </pic-detail>
    </fpc>
  </fpc-panel>
</front-panel>

```

#### Description

## <port>

### Usage

```
<craft-information>
  <front-panel>
    <fpc-panel>
      <fpc>
        <pic-detail>
          <port-information>
            <port>
              <port-number>
                port-number
              </port-number>
              <cabl-e-type>
                cabl-e-type
              </cabl-e-type>
              <fiber-mode>
                fiber-mode
              </fiber-mode>
              <sfp-vendor-name>
                sfp-vendor-name
              </sfp-vendor-name>
              <sfp-vendor-pno>
                sfp-vendor-pno
              </sfp-vendor-pno>
              <wavelength>
                wavelength
              </wavelength>
            </port>
          </port-information>
        </pic-detail>
      </fpc>
    </fpc-panel>
  </front-panel>
</craft-information>
```

### Description

## <port>

### Usage

```
<poe>
  <fpc-information>
    <fpc>
      <pic-detail>
        <port-information>
          <port>
            <port-number>
              port-number
            </port-number>
            <cabl-e-type>
              cabl-e-type
            </cabl-e-type>
            <fiber-mode>
```

```

        fiber-mode
      </fiber-mode>
    <sfp-vendor-name>
      sfp-vendor-name
    </sfp-vendor-name>
    <sfp-vendor-pno>
      sfp-vendor-pno
    </sfp-vendor-pno>
    <wavelength>
      wavelength
    </wavelength>
  </port>
</port-information>
</pic-detail>
</fpc>
</fpc-information>
</poe>

```

#### Description

**<port-information>**

#### Usage

```

<fpc-information>
  <fpc>
    <pic-detail>
      <port-information>
        <port>....</port>
      </port-information>
    </pic-detail>
  </fpc>
</fpc-information>

```

#### Description

**<port-information>**

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fpc-information>
      <fpc>
        <pic-detail>
          <port-information>
            <port>....</port>
          </port-information>
        </pic-detail>
      </fpc>
    </fpc-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

**<port-information>****Usage**

```
<fpc-panel>
  <fpc>
    <pic-detail>
      <port-information>
        <port>....</port>
      </port-information>
    </pic-detail>
  </fpc>
</fpc-panel>
```

**Description****<port-information>****Usage**

```
<front-panel>
  <fpc-panel>
    <fpc>
      <pic-detail>
        <port-information>
          <port>....</port>
        </port-information>
      </pic-detail>
    </fpc>
  </fpc-panel>
</front-panel>
```

**Description****<port-information>****Usage**

```
<craft-information>
  <front-panel>
    <fpc-panel>
      <fpc>
        <pic-detail>
          <port-information>
            <port>....</port>
          </port-information>
        </pic-detail>
      </fpc>
    </fpc-panel>
  </front-panel>
</craft-information>
```

**Description**



**<port-information>****Usage**

```

<poe>
  <fpc-information>
    <fpc>
      <pic-detail>
        <port-information>
          <port>....</port>
        </port-information>
      </pic-detail>
    </fpc>
  </fpc-information>
</poe>

```

**Description****<power-budget-information>****Usage**

```

<power-budget-information>
  <psu-slot>
    psu-slot
  </psu-slot>
  <psu-type>
    psu-type
  </psu-type>
  <power-supplied-psu>
    power-supplied-psu
  </power-supplied-psu>
  <power-supply-state>
    power-supply-state
  </power-supply-state>
  <total-power-supplied>
    total-power-supplied
  </total-power-supplied>
  <base-power>
    base-power
  </base-power>
  <psu-redundancy-config>
    psu-redundancy-config
  </psu-redundancy-config>
  <line-card-slot>
    line-card-slot
  </line-card-slot>
  <line-card-type>
    line-card-type
  </line-card-type>
  <line-card-power>
    line-card-power
  </line-card-power>
  <line-card-actual-power>
    line-card-actual-power
  </line-card-actual-power>

```

```
<line-card-priority>
  line-card-priority
</line-card-priority>
<fan-tray-slot>
  fan-tray-slot
</fan-tray-slot>
<fan-tray-type>
  fan-tray-type
</fan-tray-type>
<fan-tray-base-power>
  fan-tray-base-power
</fan-tray-base-power>
<fan-tray-actual-power>
  fan-tray-actual-power
</fan-tray-actual-power>
<actual-power-used>
  actual-power-used
</actual-power-used>
<power-available-redundant-case>
  power-available-redundant-case
</power-available-redundant-case>
<total-power-available>
  total-power-available
</total-power-available>
<total-poe-power-allocated>
  total-poe-power-allocated
</total-poe-power-allocated>
<line-card-poe-power>
  line-card-poe-power
</line-card-poe-power>
</power-budget-information>
```

#### Description

### <power-budget-information>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <power-budget-information>
      <psu-slot>
        psu-slot
      </psu-slot>
      <psu-type>
        psu-type
      </psu-type>
      <power-supplied-psu>
        power-supplied-psu
      </power-supplied-psu>
      <power-supply-state>
        power-supply-state
      </power-supply-state>
      <total-power-supplied>
        total-power-supplied
      </total-power-supplied>
```

```
<base-power>
  base-power
</base-power>
<psu-redundancy-config>
  psu-redundancy-config
</psu-redundancy-config>
<line-card-slot>
  line-card-slot
</line-card-slot>
<line-card-type>
  line-card-type
</line-card-type>
<line-card-power>
  line-card-power
</line-card-power>
<line-card-actual-power>
  line-card-actual-power
</line-card-actual-power>
<line-card-priority>
  line-card-priority
</line-card-priority>
<fan-tray-slot>
  fan-tray-slot
</fan-tray-slot>
<fan-tray-type>
  fan-tray-type
</fan-tray-type>
<fan-tray-base-power>
  fan-tray-base-power
</fan-tray-base-power>
<fan-tray-actual-power>
  fan-tray-actual-power
</fan-tray-actual-power>
<actual-power-used>
  actual-power-used
</actual-power-used>
<power-available-redundant-case>
  power-available-redundant-case
</power-available-redundant-case>
<total-power-available>
  total-power-available
</total-power-available>
<total-poe-power-allocated>
  total-poe-power-allocated
</total-poe-power-allocated>
<line-card-poe-power>
  line-card-poe-power
</line-card-poe-power>
</power-budget-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

## <power-information>

### Usage

```
<environment-component-information>
  <environment-component-item>
    <power-information>
      <power-title>....</power-title>
      <voltage-title>
        voltage-title
      </voltage-title>
      <voltage>....</voltage>
    </power-information>
  </environment-component-item>
</environment-component-information>
```

### Description

## <power-management>

### Usage

```
<power-management>
  <power-mgmt-device>
    power-mgmt-device
  </power-mgmt-device>
  <power-mgmt-low-power>
    power-mgmt-low-power
  </power-mgmt-low-power>
  <power-mgmt-high-power>
    power-mgmt-high-power
  </power-mgmt-high-power>
  <power-mgmt-heat>
    power-mgmt-heat
  </power-mgmt-heat>
  <power-mgmt-state>
    power-mgmt-state
  </power-mgmt-state>
</power-management>
```

**Description** Information about JSeries Power Management

## <power-management>

### Usage

```
<power-management-information>
  <power-management>
    <power-mgmt-device>
      power-mgmt-device
    </power-mgmt-device>
    <power-mgmt-low-power>
      power-mgmt-low-power
    </power-mgmt-low-power>
    <power-mgmt-high-power>
      power-mgmt-high-power
    </power-mgmt-high-power>
  </power-management>
```

```
</power-mgmt-high-power>
<power-mgmt-heat>
  power-mgmt-heat
</power-mgmt-heat>
<power-mgmt-state>
  power-mgmt-state
</power-mgmt-state>
</power-management>
</power-management-information>
```

**Description** Information about JSeries Power Management

### <power-management-information>

#### Usage

```
<power-management-information>
<power-management>....</power-management>
</power-management-information>
```

**Description** All information about JSeries Power Management

### <power-supply>

#### Usage

```
<power-supply-panel>
<power-supply>
  <slot>
    slot
  </slot>
  <amber-led>
    amber-led
  </amber-led>
  <green-led>
    green-led
  </green-led>
  <blue-led>
    blue-led
  </blue-led>
</power-supply>
</power-supply-panel>
```

**Description** State of the status LEDs on the faceplate of a power supply

### <power-supply>

#### Usage

```
<craft-information>
<power-supply-panel>
  <power-supply>
    <slot>
      slot
```

```
</slot>
<amber-led>
  amber-led
</amber-led>
<green-led>
  green-led
</green-led>
<blue-led>
  blue-led
</blue-led>
</power-supply>
</power-supply-panel>
</craft-information>
```

**Description** State of the status LEDs on the faceplate of a power supply

### <power-supply-panel>

**Usage**

```
<power-supply-panel>
  <power-supply>....</power-supply>
</power-supply-panel>
```

**Description** State of the status LEDs on the faceplate of one or more power supplies

### <power-supply-panel>

**Usage**

```
<craft-information>
  <power-supply-panel>
    <power-supply>....</power-supply>
  </power-supply-panel>
</craft-information>
```

**Description** State of the status LEDs on the faceplate of one or more power supplies

### <power-title>

**Usage**

```
<environment-component-information>
  <environment-component-item>
    <power-information>
      <power-title>
        <power-type>
          power-type
        </power-type>
        <power-state>
          power-state
        </power-state>
      </power-title>
    </power-information>
```

```

    </environment-component-item>
  </environment-component-information>

```

#### Description

### <power-usage-information>

#### Usage

```

<power-usage-information>
  <capacity-actual>
    capacity-actual
  </capacity-actual>
  <capacity-max>
    capacity-max
  </capacity-max>
  <capacity-allocated>
    capacity-allocated
  </capacity-allocated>
  <capacity-remaining>
    capacity-remaining
  </capacity-remaining>
  <capacity-actual-usage>
    capacity-actual-usage
  </capacity-actual-usage>
  <capacity-load>
    capacity-load
  </capacity-load>
  <zone>
    zone
  </zone>
  <power-usage-item>....</power-usage-item>
  <power-usage-system>....</power-usage-system>
</power-usage-information>

```

#### Description

### <power-usage-item>

#### Usage

```

<power-usage-information>
  <power-usage-item>
    <name>
      name
    </name>
    <status>
      status
    </status>
    <state>
      state
    </state>
    <ac-input-detail>....</ac-input-detail>
    <dc-input-detail>....</dc-input-detail>
    <dc-output-detail>....</dc-output-detail>
    <pem-capacity-detail>....</pem-capacity-detail>
  </power-usage-item>

```

```
</power-usage-item>
</power-usage-information>
```

#### Description

### <power-usage-system>

#### Usage

```
<power-usage-information>
<power-usage-system>
  <power-usage-zone-information>....</power-usage-zone-information>
  <capacity-sys-actual>
    capacity-sys-actual
  </capacity-sys-actual>
  <capacity-sys-max>
    capacity-sys-max
  </capacity-sys-max>
  <capacity-sys-remaining>
    capacity-sys-remaining
  </capacity-sys-remaining>
</power-usage-system>
</power-usage-information>
```

#### Description

### <power-usage-zone-information>

#### Usage

```
<power-usage-information>
<power-usage-system>
  <power-usage-zone-information>
    <zone>
      zone
    </zone>
    <capacity-actual>
      capacity-actual
    </capacity-actual>
    <capacity-max>
      capacity-max
    </capacity-max>
    <capacity-remaining>
      capacity-remaining
    </capacity-remaining>
    <capacity-allocated>
      capacity-allocated
    </capacity-allocated>
    <capacity-actual-usage>
      capacity-actual-usage
    </capacity-actual-usage>
  </power-usage-zone-information>
</power-usage-system>
</power-usage-information>
```



**Description****<psd>****Usage**

```
<psd-information>
<psd>
  <slot>
    slot
  </slot>
  <description>
    description
  </description>
  <state>
    state
  </state>
  <up-time>
    up-time
  </up-time>
  <comment>
    comment
  </comment>
</psd>
</psd-information>
```

**Description****<psd-information>****Usage**

```
<psd-information>
<psd>....</psd>
</psd-information>
```

**Description****<re>****Usage**

```
<re-panel>
<re>
  <slot>
    slot
  </slot>
  <ok-led>
    ok-led
  </ok-led>
  <fail-led>
    fail-led
  </fail-led>
  <master-led>
    master-led
  </master-led>
</re>
```

```
</re-panel>
```

**Description** State of status LEDs on the craft interface for a Routing Engine. The front panel of the Routing Engine has the same LEDs.

<re>

**Usage**

```
<front-panel>
  <re-panel>
    <re>
      <slot>
        slot
      </slot>
      <ok-led>
        ok-led
      </ok-led>
      <fail-led>
        fail-led
      </fail-led>
      <master-led>
        master-led
      </master-led>
    </re>
  </re-panel>
</front-panel>
```

**Description** State of status LEDs on the craft interface for a Routing Engine. The front panel of the Routing Engine has the same LEDs.

<re>

**Usage**

```
<craft-information>
  <front-panel>
    <re-panel>
      <re>
        <slot>
          slot
        </slot>
        <ok-led>
          ok-led
        </ok-led>
        <fail-led>
          fail-led
        </fail-led>
        <master-led>
          master-led
        </master-led>
      </re>
    </re-panel>
  </front-panel>
```

</craft-information>

**Description** State of status LEDs on the craft interface for a Routing Engine. The front panel of the Routing Engine has the same LEDs.

### <re-panel>

**Usage**

```
<re-panel>
<re>....</re>
</re-panel>
```

**Description** State of status LEDs on the craft interface for one or more Routing Engines. The front panel of each Routing Engine has the same LEDs.

### <re-panel>

**Usage**

```
<front-panel>
<re-panel>
<re>....</re>
</re-panel>
</front-panel>
```

**Description** State of status LEDs on the craft interface for one or more Routing Engines. The front panel of each Routing Engine has the same LEDs.

### <re-panel>

**Usage**

```
<craft-information>
<front-panel>
<re-panel>
<re>....</re>
</re-panel>
</front-panel>
</craft-information>
```

**Description** State of status LEDs on the craft interface for one or more Routing Engines. The front panel of each Routing Engine has the same LEDs.

### <read-register>

**Usage**

```
<read-register>
<cb-slot>
  cb-slot
</cb-slot>
```

```
<fchip-id>
  fchip-id
</fchip-id>
<address>
  address
</address>
<data>
  data
</data>
</read-register>
```

**Description** Read switch fabric register

### <recb-panel>

#### Usage

```
<recb-panel>
  <ha-led>....</ha-led>
  <sfb-led>....</sfb-led>
  <cfm-ok-fail-led>....</cfm-ok-fail-led>
  <cfm-service-led>....</cfm-service-led>
  <sysio-status-led>....</sysio-status-led>
</recb-panel>
```

**Description** Information about LEDs from the craft interface

### <recb-panel>

#### Usage

```
<craft-information>
  <recb-panel>
    <ha-led>....</ha-led>
    <sfb-led>....</sfb-led>
    <cfm-ok-fail-led>....</cfm-ok-fail-led>
    <cfm-service-led>....</cfm-service-led>
    <sysio-status-led>....</sysio-status-led>
  </recb-panel>
</craft-information>
```

**Description** Information about LEDs from the craft interface

### <revision>

#### Usage

```
<environment-component-information>
  <environment-component-item>
    <revision>
      <revision-name>
        revision-name
      </revision-name>
      <revision-number>
```

```

        revision-number
      </revision-number>
    </revision>
  </environment-component-item>
</environment-component-information>

```

## Description

### <route-engine>

#### Usage

```

<route-engine-information>
  <route-engine>
    <description>
      description
    </description>
    <slot>
      slot
    </slot>
    <physical-slot>
      physical-slot
    </physical-slot>
    <mastership-state>
      mastership-state
    </mastership-state>
    <mastership-priority>
      mastership-priority
    </mastership-priority>
    <status>
      status
    </status>
    <model>
      model
    </model>
    <temperature>
      temperature
    </temperature>
    <cpu-temperature>
      cpu-temperature
    </cpu-temperature>
    <memory-dram-size>
      memory-dram-size
    </memory-dram-size>
    <memory-buffer-utilization>
      memory-buffer-utilization
    </memory-buffer-utilization>
    <memory-system-total>
      memory-system-total
    </memory-system-total>
    <memory-system-total-used>
      memory-system-total-used
    </memory-system-total-used>
    <memory-system-total-util>
      memory-system-total-util
    </memory-system-total-util>
  </route-engine>
</route-engine-information>

```

```
<memory-control-plane>
  memory-control-plane
</memory-control-plane>
<memory-control-plane-used>
  memory-control-plane-used
</memory-control-plane-used>
<memory-control-plane-util>
  memory-control-plane-util
</memory-control-plane-util>
<memory-data-plane>
  memory-data-plane
</memory-data-plane>
<memory-data-plane-used>
  memory-data-plane-used
</memory-data-plane-used>
<memory-data-plane-util>
  memory-data-plane-util
</memory-data-plane-util>
<control-plane-cpu-count>
  control-plane-cpu-count
</control-plane-cpu-count>
<data-plane-cpu-count>
  data-plane-cpu-count
</data-plane-cpu-count>
<cpu-user>
  cpu-user
</cpu-user>
<cpu-real-time>
  cpu-real-time
</cpu-real-time>
<cpu-background>
  cpu-background
</cpu-background>
<cpu-system>
  cpu-system
</cpu-system>
<cpu-interrupt>
  cpu-interrupt
</cpu-interrupt>
<cpu-idle>
  cpu-idle
</cpu-idle>
<serial-number>
  serial-number
</serial-number>
<start-time>
  start-time
</start-time>
<up-time>
  up-time
</up-time>
<last-reboot-reason>
  last-reboot-reason
</last-reboot-reason>
<load-average-one>
  load-average-one
```

```

</load-average-one>
<load-average-five>
  load-average-five
</load-average-five>
<load-average-fifteen>
  load-average-fifteen
</load-average-fifteen>
<bios-version>
  bios-version
</bios-version>
<bios-date>
  bios-date
</bios-date>
<bios-id>
  bios-id
</bios-id>
</route-engine>
</route-engine-information>

```

## Description

### <route-engine>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <route-engine-information>
      <route-engine>
        <description>
          description
        </description>
        <slot>
          slot
        </slot>
        <physical-slot>
          physical-slot
        </physical-slot>
        <mastership-state>
          mastership-state
        </mastership-state>
        <mastership-priority>
          mastership-priority
        </mastership-priority>
        <status>
          status
        </status>
        <model>
          model
        </model>
        <temperature>
          temperature
        </temperature>
        <cpu-temperature>
          cpu-temperature
        </cpu-temperature>

```

```
<memory-dram-size>
  memory-dram-size
</memory-dram-size>
<memory-buffer-utilization>
  memory-buffer-utilization
</memory-buffer-utilization>
<memory-system-total>
  memory-system-total
</memory-system-total>
<memory-system-total-used>
  memory-system-total-used
</memory-system-total-used>
<memory-system-total-util>
  memory-system-total-util
</memory-system-total-util>
<memory-control-plane>
  memory-control-plane
</memory-control-plane>
<memory-control-plane-used>
  memory-control-plane-used
</memory-control-plane-used>
<memory-control-plane-util>
  memory-control-plane-util
</memory-control-plane-util>
<memory-data-plane>
  memory-data-plane
</memory-data-plane>
<memory-data-plane-used>
  memory-data-plane-used
</memory-data-plane-used>
<memory-data-plane-util>
  memory-data-plane-util
</memory-data-plane-util>
<control-plane-cpu-count>
  control-plane-cpu-count
</control-plane-cpu-count>
<data-plane-cpu-count>
  data-plane-cpu-count
</data-plane-cpu-count>
<cpu-user>
  cpu-user
</cpu-user>
<cpu-real-time>
  cpu-real-time
</cpu-real-time>
<cpu-background>
  cpu-background
</cpu-background>
<cpu-system>
  cpu-system
</cpu-system>
<cpu-interrupt>
  cpu-interrupt
</cpu-interrupt>
<cpu-idle>
  cpu-idle
```



```

</cpu-idle>
<serial-number>
  serial-number
</serial-number>
<start-time>
  start-time
</start-time>
<up-time>
  up-time
</up-time>
<last-reboot-reason>
  last-reboot-reason
</last-reboot-reason>
<load-average-one>
  load-average-one
</load-average-one>
<load-average-five>
  load-average-five
</load-average-five>
<load-average-fifteen>
  load-average-fifteen
</load-average-fifteen>
<bios-version>
  bios-version
</bios-version>
<bios-date>
  bios-date
</bios-date>
<bios-id>
  bios-id
</bios-id>
</route-engine>
</route-engine-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

#### <route-engine-information>

##### Usage

```

<route-engine-information>
  <route-engine>....</route-engine>
</route-engine-information>

```

#### Description

#### <route-engine-information>

##### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <route-engine-information>
      <route-engine>....</route-engine>
    </route-engine-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

```
</route-engine-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

<scb>

## Usage

```
<scb-information>
  <scb>
    <slot>
      slot
    </slot>
    <state>
      state
    </state>
    <failover-count>
      failover-count
    </failover-count>
    <reset-count>
      reset-count
    </reset-count>
    <activate-count>
      activate-count
    </activate-count>
    <temperature>
      temperature
    </temperature>
    <intake-temperature>
      intake-temperature
    </intake-temperature>
    <exhaust-temperature>
      exhaust-temperature
    </exhaust-temperature>
    <exhaust-a-temperature>
      exhaust-a-temperature
    </exhaust-a-temperature>
    <exhaust-b-temperature>
      exhaust-b-temperature
    </exhaust-b-temperature>
    <spp-temperature>
      spp-temperature
    </spp-temperature>
    <spr-temperature>
      spr-temperature
    </spr-temperature>
    <cpu-total>
      cpu-total
    </cpu-total>
    <cpu-total-ukern>
      cpu-total-ukern
    </cpu-total-ukern>
    <cpu-total-rt>
      cpu-total-rt
```

```

</cpu-total-rt>
<cpu-interrupt>
  cpu-interrupt
</cpu-interrupt>
<memory-dram-size>
  memory-dram-size
</memory-dram-size>
<memory-sram-size>
  memory-sram-size
</memory-sram-size>
<memory-rldram-size>
  memory-rldram-size
</memory-rldram-size>
<memory-ddr-dram-size>
  memory-ddr-dram-size
</memory-ddr-dram-size>
<memory-heap-utilization>
  memory-heap-utilization
</memory-heap-utilization>
<memory-buffer-utilization>
  memory-buffer-utilization
</memory-buffer-utilization>
<asic-name>
  asic-name
</asic-name>
<asic-information>
  asic-information
</asic-information>
<start-time>
  start-time
</start-time>
<up-time>
  up-time
</up-time>
<comment>
  comment
</comment>
<max-power-consumption>
  max-power-consumption
</max-power-consumption>
</scb>
</scb-information>

```

## Description

<scb>

## Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <scb-information>
      <scb>
        <slot>
          slot
        </slot>

```

```
<state>
  state
</state>
<failover-count>
  failover-count
</failover-count>
<reset-count>
  reset-count
</reset-count>
<activate-count>
  activate-count
</activate-count>
<temperature>
  temperature
</temperature>
<intake-temperature>
  intake-temperature
</intake-temperature>
<exhaust-temperature>
  exhaust-temperature
</exhaust-temperature>
<exhaust-a-temperature>
  exhaust-a-temperature
</exhaust-a-temperature>
<exhaust-b-temperature>
  exhaust-b-temperature
</exhaust-b-temperature>
<spp-temperature>
  spp-temperature
</spp-temperature>
<spr-temperature>
  spr-temperature
</spr-temperature>
<cpu-total>
  cpu-total
</cpu-total>
<cpu-total-ukern>
  cpu-total-ukern
</cpu-total-ukern>
<cpu-total-rt>
  cpu-total-rt
</cpu-total-rt>
<cpu-interrupt>
  cpu-interrupt
</cpu-interrupt>
<memory-dram-size>
  memory-dram-size
</memory-dram-size>
<memory-sram-size>
  memory-sram-size
</memory-sram-size>
<memory-rldram-size>
  memory-rldram-size
</memory-rldram-size>
<memory-ddr-dram-size>
  memory-ddr-dram-size
```

```

</memory-ddr-dram-size>
<memory-heap-utilization>
  memory-heap-utilization
</memory-heap-utilization>
<memory-buffer-utilization>
  memory-buffer-utilization
</memory-buffer-utilization>
<asic-name>
  asic-name
</asic-name>
<asic-information>
  asic-information
</asic-information>
<start-time>
  start-time
</start-time>
<up-time>
  up-time
</up-time>
<comment>
  comment
</comment>
<max-power-consumption>
  max-power-consumption
</max-power-consumption>
</scb>
</scb-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

<scb-information>

#### Usage

```

<scb-information>
  <scb-type>
    scb-type
  </scb-type>
  <cross-connect>
    cross-connect
  </cross-connect>
  <packet-scheduling>
    packet-scheduling
  </packet-scheduling>
  <scb>....</scb>
</scb-information>

```

#### Description

<scb-information>

#### Usage

```

<multi-routing-engine-results>

```

```
<multi-routing-engine-item>
  <scb-information>
    <scb-type>
      scb-type
    </scb-type>
    <cross-connect>
      cross-connect
    </cross-connect>
    <packet-scheduling>
      packet-scheduling
    </packet-scheduling>
    <scb>....</scb>
  </scb-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description**

&lt;scg&gt;

**Usage**

```
<scg-panel>
  <scg>
    <slot>
      slot
    </slot>
    <amber-led>
      amber-led
    </amber-led>
    <green-led>
      green-led
    </green-led>
    <blue-led>
      blue-led
    </blue-led>
  </scg>
</scg-panel>
```

**Description** State of the status LEDs on the faceplate of a SONET Clock Generator

&lt;scg&gt;

**Usage**

```
<craft-information>
  <scg-panel>
    <scg>
      <slot>
        slot
      </slot>
      <amber-led>
        amber-led
      </amber-led>
      <green-led>
```

```

        green-led
      </green-led>
    <blue-led>
      blue-led
    </blue-led>
  </scg>
</scg-panel>
</craft-information>

```

**Description** State of the status LEDs on the faceplate of a SONET Clock Generator

### <scg-panel>

#### Usage

```

<scg-panel>
  <scg>....</scg>
</scg-panel>

```

**Description** State of the status LEDs on the faceplate of one or more SONET ClockGenerators

### <scg-panel>

#### Usage

```

<craft-information>
  <scg-panel>
    <scg>....</scg>
  </scg-panel>
</craft-information>

```

**Description** State of the status LEDs on the faceplate of one or more SONET ClockGenerators

### <sfb-led>

#### Usage

```

<sfb-led>
  <red-led>
    red-led
  </red-led>
  <yellow-led>
    yellow-led
  </yellow-led>
  <amber-led>
    amber-led
  </amber-led>
  <blink-led>
    blink-led
  </blink-led>
</sfb-led>

```

**Description** State of the SFB LED on the craft interface

### <sfb-led>

**Usage**

```
<recb-panel>
  <sfb-led>
    <red-led>
      red-led
    </red-led>
    <yellow-led>
      yellow-led
    </yellow-led>
    <amber-led>
      amber-led
    </amber-led>
    <blink-led>
      blink-led
    </blink-led>
  </sfb-led>
</recb-panel>
```

**Description** State of the SFB LED on the craft interface

### <sfb-led>

**Usage**

```
<craft-information>
  <recb-panel>
    <sfb-led>
      <red-led>
        red-led
      </red-led>
      <yellow-led>
        yellow-led
      </yellow-led>
      <amber-led>
        amber-led
      </amber-led>
      <blink-led>
        blink-led
      </blink-led>
    </sfb-led>
  </recb-panel>
</craft-information>
```

**Description** State of the SFB LED on the craft interface

### <sfm>

**Usage**

```
<sfm-panel>
```



```

<sfm>
  <slot>
    slot
  </slot>
  <amber-led>
    amber-led
  </amber-led>
  <green-led>
    green-led
  </green-led>
  <blue-led>
    blue-led
  </blue-led>
</sfm>
</sfm-panel>

```

**Description** State of the status LEDs on the faceplate of a Switching and Forwarding Module

### <sfm>

#### Usage

```

<craft-information>
  <sfm-panel>
    <sfm>
      <slot>
        slot
      </slot>
      <amber-led>
        amber-led
      </amber-led>
      <green-led>
        green-led
      </green-led>
      <blue-led>
        blue-led
      </blue-led>
    </sfm>
  </sfm-panel>
</craft-information>

```

**Description** State of the status LEDs on the faceplate of a Switching and Forwarding Module

### <sfm-panel>

#### Usage

```

<sfm-panel>
  <sfm>....</sfm>
</sfm-panel>

```

**Description** State of the status LEDs on the faceplate of one or more Switching and Forwarding Modules

## <sfm-panel>

### Usage

```
<craft-information>
  <sfm-panel>
    <sfm>....</sfm>
  </sfm-panel>
</craft-information>
```

**Description** State of the status LEDs on the faceplate of one or more Switching and Forwarding Modules

## <sib>

### Usage

```
<sib-information>
  <sib>
    <slot>
      slot
    </slot>
    <slot-type>
      slot-type
    </slot-type>
    <state>
      state
    </state>
    <sib-type>
      sib-type
    </sib-type>
    <destination-error>
      destination-error
    </destination-error>
    <up-time>
      up-time
    </up-time>
    <comment>
      comment
    </comment>
    <ok-led>
      ok-led
    </ok-led>
    <fail-led>
      fail-led
    </fail-led>
    <active-led>
      active-led
    </active-led>
  </sib>
</sib-information>
```

### Description

**<sib>****Usage**

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <sib-information>
      <sib>
        <slot>
          slot
        </slot>
        <slot-type>
          slot-type
        </slot-type>
        <state>
          state
        </state>
        <sib-type>
          sib-type
        </sib-type>
        <destination-error>
          destination-error
        </destination-error>
        <up-time>
          up-time
        </up-time>
        <comment>
          comment
        </comment>
        <ok-led>
          ok-led
        </ok-led>
        <fail-led>
          fail-led
        </fail-led>
        <active-led>
          active-led
        </active-led>
      </sib>
    </sib-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description****<sib>****Usage**

```

<sib-panel>
  <sib>
    <slot>
      slot
    </slot>
    <slot-type>
      slot-type

```

```
</slot-type>
<state>
  state
</state>
<sib-type>
  sib-type
</sib-type>
<destination-error>
  destination-error
</destination-error>
<up-time>
  up-time
</up-time>
<comment>
  comment
</comment>
<ok-led>
  ok-led
</ok-led>
<fail-led>
  fail-led
</fail-led>
<active-led>
  active-led
</active-led>
</sib>
</sib-panel>
```

## Description

<sib>

## Usage

```
<craft-information>
<sib-panel>
  <sib>
    <slot>
      slot
    </slot>
    <slot-type>
      slot-type
    </slot-type>
    <state>
      state
    </state>
    <sib-type>
      sib-type
    </sib-type>
    <destination-error>
      destination-error
    </destination-error>
    <up-time>
      up-time
    </up-time>
    <comment>
```

```

    comment
  </comment>
  <ok-led>
    ok-led
  </ok-led>
  <fail-led>
    fail-led
  </fail-led>
  <active-led>
    active-led
  </active-led>
</sib>
</sib-panel>
</craft-information>

```

**Description****<sib-information>****Usage**

```

<sib-information>
  <sib>....</sib>
  <use-cli-info>
    use-cli-info
  </use-cli-info>
</sib-information>

```

**Description****<sib-information>****Usage**

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <sib-information>
      <sib>....</sib>
      <use-cli-info>
        use-cli-info
      </use-cli-info>
    </sib-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description****<sib-panel>****Usage**

```

<sib-panel>
  <sib>....</sib>
</sib-panel>

```

**Description** State of the status LEDs on the faceplate of one or more Switch Interface Boards. Some of the LEDs also appear on the craft interface.

### <sib-panel>

**Usage**

```
<craft-information>
  <sib-panel>
    <sib>....</sib>
  </sib-panel>
</craft-information>
```

**Description** State of the status LEDs on the faceplate of one or more Switch Interface Boards. Some of the LEDs also appear on the craft interface.

### <slave-registers>

**Usage**

```
<environment-component-information>
  <environment-component-item>
    <slave-registers-information>
      <slave-registers>
        <slave-registers-name>
          slave-registers-name
        </slave-registers-name>
        <slave-registers-value>
          slave-registers-value
        </slave-registers-value>
      </slave-registers>
    </slave-registers-information>
  </environment-component-item>
</environment-component-information>
```

**Description** Slave register values

### <slave-registers-information>

**Usage**

```
<environment-component-information>
  <environment-component-item>
    <slave-registers-information>
      <slave-registers-title>
        slave-registers-title
      </slave-registers-title>
      <slave-registers>....</slave-registers>
    </slave-registers-information>
  </environment-component-item>
</environment-component-information>
```

**Description**

**<spmb>****Usage**

```

<spmb-information>
  <spmb>
    <slot>
      slot
    </slot>
    <state>
      state
    </state>
    <cpu-total>
      cpu-total
    </cpu-total>
    <cpu-interrupt>
      cpu-interrupt
    </cpu-interrupt>
    <memory-heap-utilization>
      memory-heap-utilization
    </memory-heap-utilization>
    <memory-buffer-utilization>
      memory-buffer-utilization
    </memory-buffer-utilization>
    <start-time>
      start-time
    </start-time>
    <up-time>
      up-time
    </up-time>
  </spmb>
</spmb-information>

```

**Description****<spmb>****Usage**

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <spmb-information>
      <spmb>
        <slot>
          slot
        </slot>
        <state>
          state
        </state>
        <cpu-total>
          cpu-total
        </cpu-total>
        <cpu-interrupt>
          cpu-interrupt
        </cpu-interrupt>
        <memory-heap-utilization>

```

```
memory-heap-utilization
</memory-heap-utilization>
<memory-buffer-utilization>
memory-buffer-utilization
</memory-buffer-utilization>
<start-time>
start-time
</start-time>
<up-time>
up-time
</up-time>
</spmb>
</spmb-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description**

**<spmb-information>**

**Usage**

```
<spmb-information>
<spmb>....</spmb>
</spmb-information>
```

**Description**

**<spmb-information>**

**Usage**

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<spmb-information>
<spmb>....</spmb>
</spmb-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description**

**<synchronization-source-list>**

**Usage**

```
<clock-synchronization-information>
<clock-synchronization>
<synchronization-source-list>
<current-source>....</current-source>
<configured-source-list>....</configured-source-list>
</synchronization-source-list>
</clock-synchronization>
</clock-synchronization-information>
```



**Description****<sysio-status-led>****Usage**

```

<sysio-status-led>
  <red-led>
    red-led
  </red-led>
  <yellow-led>
    yellow-led
  </yellow-led>
  <amber-led>
    amber-led
  </amber-led>
  <blink-led>
    blink-led
  </blink-led>
</sysio-status-led>

```

**Description** State of the SYSIO Status LED on the craft interface

**<sysio-status-led>****Usage**

```

<recb-panel>
  <sysio-status-led>
    <red-led>
      red-led
    </red-led>
    <yellow-led>
      yellow-led
    </yellow-led>
    <amber-led>
      amber-led
    </amber-led>
    <blink-led>
      blink-led
    </blink-led>
  </sysio-status-led>
</recb-panel>

```

**Description** State of the SYSIO Status LED on the craft interface

**<sysio-status-led>****Usage**

```

<craft-information>
  <recb-panel>
    <sysio-status-led>
      <red-led>
        red-led
      </red-led>

```

```
<yellow-led>
  yellow-led
</yellow-led>
<amber-led>
  amber-led
</amber-led>
<blink-led>
  blink-led
</blink-led>
</sysio-status-led>
</recb-panel>
</craft-information>
```

**Description** State of the SYSIO Status LED on the craft interface

## <system-firmware>

### Usage

```
<system-firmware>
  <firmware-name>
    firmware-name
  </firmware-name>
  <firmware-type>
    firmware-type
  </firmware-type>
  <firmware-tag>
    firmware-tag
  </firmware-tag>
  <firmware-revision>
    firmware-revision
  </firmware-revision>
  <firmware-revision-available>
    firmware-revision-available
  </firmware-revision-available>
  <firmware-status>
    firmware-status
  </firmware-status>
  <system-sub-module-firmware-list>....</system-sub-module-firmware-list>
</system-firmware>
```

### Description

## <system-firmware>

### Usage

```
<system-firmware-information>
  <system-firmware>
    <firmware-name>
      firmware-name
    </firmware-name>
    <firmware-type>
      firmware-type
    </firmware-type>
```

```

<firmware-tag>
  firmware-tag
</firmware-tag>
<firmware-revision>
  firmware-revision
</firmware-revision>
<firmware-revision-available>
  firmware-revision-available
</firmware-revision-available>
<firmware-status>
  firmware-status
</firmware-status>
<system-sub-module-firmware-list>....</system-sub-module-firmware-list>
</system-firmware>
</system-firmware-information>

```

### Description

<system-firmware>

### Usage

```

<multi-routing-engine-results>
<multi-routing-engine-item>
  <system-firmware-information>
    <system-firmware>
      <firmware-name>
        firmware-name
      </firmware-name>
      <firmware-type>
        firmware-type
      </firmware-type>
      <firmware-tag>
        firmware-tag
      </firmware-tag>
      <firmware-revision>
        firmware-revision
      </firmware-revision>
      <firmware-revision-available>
        firmware-revision-available
      </firmware-revision-available>
      <firmware-status>
        firmware-status
      </firmware-status>
      <system-sub-module-firmware-list>....</system-sub-module-firmware-list>

    </system-firmware>
  </system-firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

### Description

## <system-firmware-compatibility>

### Usage

```
<system-firmware-compatibility>
  <firmware-name>
    firmware-name
  </firmware-name>
  <firmware-type>
    firmware-type
  </firmware-type>
  <firmware-tag>
    firmware-tag
  </firmware-tag>
  <firmware-revision>
    firmware-revision
  </firmware-revision>
  <firmware-revision-available>
    firmware-revision-available
  </firmware-revision-available>
  <firmware-status>
    firmware-status
  </firmware-status>
  <firmware-action>
    firmware-action
  </firmware-action>

  <system-sub-module-firmware-compatibility-list>...</system-sub-module-firmware-compatibility-list>

</system-firmware-compatibility>
```

**Description**    Firmware compatibility information with installed JFirmware

## <system-firmware-compatibility>

### Usage

```
<system-firmware-compatibility-information>
  <system-firmware-compatibility>
    <firmware-name>
      firmware-name
    </firmware-name>
    <firmware-type>
      firmware-type
    </firmware-type>
    <firmware-tag>
      firmware-tag
    </firmware-tag>
    <firmware-revision>
      firmware-revision
    </firmware-revision>
    <firmware-revision-available>
      firmware-revision-available
    </firmware-revision-available>
    <firmware-status>
```

```

        firmware-status
      </firmware-status>
    <firmware-action>
      firmware-action
    </firmware-action>

    <system-sub-module-firmware-compatibility-list>...</system-sub-module-firmware-compatibility-list>

  </system-firmware-compatibility>
</system-firmware-compatibility-information>

```

**Description** Firmware compatibility information with installed JFirmware

### <system-firmware-compatibility>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-firmware-compatibility-information>
      <system-firmware-compatibility>
        <firmware-name>
          firmware-name
        </firmware-name>
        <firmware-type>
          firmware-type
        </firmware-type>
        <firmware-tag>
          firmware-tag
        </firmware-tag>
        <firmware-revision>
          firmware-revision
        </firmware-revision>
        <firmware-revision-available>
          firmware-revision-available
        </firmware-revision-available>
        <firmware-status>
          firmware-status
        </firmware-status>
        <firmware-action>
          firmware-action
        </firmware-action>

      <system-sub-module-firmware-compatibility-list>...</system-sub-module-firmware-compatibility-list>

    </system-firmware-compatibility>
  </system-firmware-compatibility-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description** Firmware compatibility information with installed JFirmware

### <system-firmware-compatibility-information>

#### Usage

```
<system-firmware-compatibility-information>
  <firmware-version-mismatch>....</firmware-version-mismatch>
  <system-firmware-compatibility>....</system-firmware-compatibility>
</system-firmware-compatibility-information>
```

**Description** Compatibility information about installed firmware version & JFirmware

### <system-firmware-compatibility-information>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-firmware-compatibility-information>
      <firmware-version-mismatch>....</firmware-version-mismatch>
      <system-firmware-compatibility>....</system-firmware-compatibility>
    </system-firmware-compatibility-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description** Compatibility information about installed firmware version & JFirmware

### <system-firmware-information>

#### Usage

```
<system-firmware-information>
  <system-firmware>....</system-firmware>
</system-firmware-information>
```

**Description** Information about component firmware versions

### <system-firmware-information>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-firmware-information>
      <system-firmware>....</system-firmware>
    </system-firmware-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description** Information about component firmware versions

### <system-led>

#### Usage

```
<front-panel-lcd>
  <system-led>
    <system-led-display>....</system-led-display>
  </system-led>
</front-panel-lcd>
```

**Description** State of system LEDs on the front panel

### <system-led>

#### Usage

```
<craft-lcd-led-information>
  <front-panel-lcd>
    <system-led>
      <system-led-display>....</system-led-display>
    </system-led>
  </front-panel-lcd>
</craft-lcd-led-information>
```

**Description** State of system LEDs on the front panel

### <system-led-display>

#### Usage

```
<front-panel-lcd>
  <system-led>
    <system-led-display>
      <name>
        name
      </name>
      <led-status>
        led-status
      </led-status>
    </system-led-display>
  </system-led>
</front-panel-lcd>
```

**Description**

### <system-led-display>

#### Usage

```
<craft-lcd-led-information>
  <front-panel-lcd>
    <system-led>
      <system-led-display>
        <name>
          name
        </name>
      </system-led-display>
    </system-led>
  </front-panel-lcd>
</craft-lcd-led-information>
```

```
</name>
<led-status>
  led-status
</led-status>
</system-led-display>
</system-led>
</front-panel-lcd>
</craft-lcd-led-information>
```

## Description

### <system-sub-module-firmware>

#### Usage

```
<system-firmware>
<system-sub-module-firmware-list>
  <system-sub-module-firmware>
    <firmware-name>
      firmware-name
    </firmware-name>
    <firmware-type>
      firmware-type
    </firmware-type>
    <firmware-tag>
      firmware-tag
    </firmware-tag>
    <firmware-revision>
      firmware-revision
    </firmware-revision>
    <firmware-revision-available>
      firmware-revision-available
    </firmware-revision-available>
    <firmware-status>
      firmware-status
    </firmware-status>
  </system-sub-module-firmware>
</system-sub-module-firmware-list>
</system-firmware>
```

**Description**    Firmware sub module

### <system-sub-module-firmware>

#### Usage

```
<system-firmware-information>
<system-firmware>
  <system-sub-module-firmware-list>
    <system-sub-module-firmware>
      <firmware-name>
        firmware-name
      </firmware-name>
      <firmware-type>
        firmware-type
```



```

    </firmware-type>
    <firmware-tag>
      firmware-tag
    </firmware-tag>
    <firmware-revision>
      firmware-revision
    </firmware-revision>
    <firmware-revision-available>
      firmware-revision-available
    </firmware-revision-available>
    <firmware-status>
      firmware-status
    </firmware-status>
  </system-sub-module-firmware>
</system-sub-module-firmware-list>
</system-firmware>
</system-firmware-information>

```

**Description** Firmware sub module

### <system-sub-module-firmware>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-firmware-information>
      <system-firmware>
        <system-sub-module-firmware-list>
          <system-sub-module-firmware>
            <firmware-name>
              firmware-name
            </firmware-name>
            <firmware-type>
              firmware-type
            </firmware-type>
            <firmware-tag>
              firmware-tag
            </firmware-tag>
            <firmware-revision>
              firmware-revision
            </firmware-revision>
            <firmware-revision-available>
              firmware-revision-available
            </firmware-revision-available>
            <firmware-status>
              firmware-status
            </firmware-status>
          </system-sub-module-firmware>
        </system-sub-module-firmware-list>
      </system-firmware>
    </system-firmware-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description**    Firmware sub module

### <system-sub-module-firmware-compatibility>

#### Usage

```
<system-firmware-compatibility>
  <system-sub-module-firmware-compatibility-list>
    <system-sub-module-firmware-compatibility>
      <firmware-name>
        firmware-name
      </firmware-name>
      <firmware-type>
        firmware-type
      </firmware-type>
      <firmware-tag>
        firmware-tag
      </firmware-tag>
      <firmware-revision>
        firmware-revision
      </firmware-revision>
      <firmware-revision-available>
        firmware-revision-available
      </firmware-revision-available>
      <firmware-status>
        firmware-status
      </firmware-status>
      <firmware-action>
        firmware-action
      </firmware-action>
    </system-sub-module-firmware-compatibility>
  </system-sub-module-firmware-compatibility-list>
</system-firmware-compatibility>
```

**Description**    Firmware sub module

### <system-sub-module-firmware-compatibility>

#### Usage

```
<system-firmware-compatibility-information>
  <system-firmware-compatibility>
    <system-sub-module-firmware-compatibility-list>
      <system-sub-module-firmware-compatibility>
        <firmware-name>
          firmware-name
        </firmware-name>
        <firmware-type>
          firmware-type
        </firmware-type>
        <firmware-tag>
          firmware-tag
        </firmware-tag>
        <firmware-revision>
          firmware-revision
        </firmware-revision>
      </system-sub-module-firmware-compatibility>
    </system-sub-module-firmware-compatibility-list>
  </system-firmware-compatibility>
```

```

</firmware-revision>
<firmware-revision-available>
  firmware-revision-available
</firmware-revision-available>
<firmware-status>
  firmware-status
</firmware-status>
<firmware-action>
  firmware-action
</firmware-action>
</system-sub-module-firmware-compatibility>
</system-sub-module-firmware-compatibility-list>
</system-firmware-compatibility>
</system-firmware-compatibility-information>

```

**Description** Firmware sub module

### <system-sub-module-firmware-compatibility>

#### Usage

```

<multi-routing-engine-results>
<multi-routing-engine-item>
  <system-firmware-compatibility-information>
  <system-firmware-compatibility>
    <system-sub-module-firmware-compatibility-list>
    <system-sub-module-firmware-compatibility>
      <firmware-name>
        firmware-name
      </firmware-name>
      <firmware-type>
        firmware-type
      </firmware-type>
      <firmware-tag>
        firmware-tag
      </firmware-tag>
      <firmware-revision>
        firmware-revision
      </firmware-revision>
      <firmware-revision-available>
        firmware-revision-available
      </firmware-revision-available>
      <firmware-status>
        firmware-status
      </firmware-status>
      <firmware-action>
        firmware-action
      </firmware-action>
    </system-sub-module-firmware-compatibility>
  </system-sub-module-firmware-compatibility-list>
</system-firmware-compatibility>
</system-firmware-compatibility-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description**    Firmware sub module

### <system-sub-module-firmware-compatibility-list>

**Usage**

```
<system-firmware-compatibility>
  <system-sub-module-firmware-compatibility-list>

<system-sub-module-firmware-compatibility>....</system-sub-module-firmware-compatibility>

  </system-sub-module-firmware-compatibility-list>
</system-firmware-compatibility>
```

**Description**

### <system-sub-module-firmware-compatibility-list>

**Usage**

```
<system-firmware-compatibility-information>
  <system-firmware-compatibility>
    <system-sub-module-firmware-compatibility-list>

<system-sub-module-firmware-compatibility>....</system-sub-module-firmware-compatibility>

  </system-sub-module-firmware-compatibility-list>
</system-firmware-compatibility>
</system-firmware-compatibility-information>
```

**Description**

### <system-sub-module-firmware-compatibility-list>

**Usage**

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-firmware-compatibility-information>
      <system-firmware-compatibility>
        <system-sub-module-firmware-compatibility-list>

<system-sub-module-firmware-compatibility>....</system-sub-module-firmware-compatibility>

        </system-sub-module-firmware-compatibility-list>
      </system-firmware-compatibility>
    </system-firmware-compatibility-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description**

### <system-sub-module-firmware-list>

**Usage**

```
<system-firmware>
```

```

<system-sub-module-firmware-list>
  <system-sub-module-firmware>....</system-sub-module-firmware>
</system-sub-module-firmware-list>
</system-firmware>

```

#### Description

### <system-sub-module-firmware-list>

#### Usage

```

<system-firmware-information>
  <system-firmware>
    <system-sub-module-firmware-list>
      <system-sub-module-firmware>....</system-sub-module-firmware>
    </system-sub-module-firmware-list>
  </system-firmware>
</system-firmware-information>

```

#### Description

### <system-sub-module-firmware-list>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-firmware-information>
      <system-firmware>
        <system-sub-module-firmware-list>
          <system-sub-module-firmware>....</system-sub-module-firmware>
        </system-sub-module-firmware-list>
      </system-firmware>
    </system-firmware-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

### <telemetries-information>

#### Usage

```

<poe>
  <telemetries-information>
    <telemetries-index>
      telemetries-index
    </telemetries-index>
    <telemetries-timestamp>
      telemetries-timestamp
    </telemetries-timestamp>
    <telemetries-power>
      telemetries-power
    </telemetries-power>
    <telemetries-voltage>
      telemetries-voltage

```

```
</telemetries-voltage>
</telemetries-information>
</poe>
```

#### Description

### <temperature-reading>

#### Usage

```
<environment-component-information>
  <environment-component-item>
    <temperature-reading>
      <temperature-name>
        temperature-name
      </temperature-name>
      <temperature>
        temperature
      </temperature>
    </temperature-reading>
  </environment-component-item>
</environment-component-information>
```

#### Description

### <temperature-threshold>

#### Usage

```
<temperature-threshold-information>
  <temperature-threshold>
    <name>
      name
    </name>
    <fan-normal-speed>
      fan-normal-speed
    </fan-normal-speed>
    <fan-high-speed>
      fan-high-speed
    </fan-high-speed>
    <yellow-alarm>
      yellow-alarm
    </yellow-alarm>
    <bad-fan-yellow-alarm>
      bad-fan-yellow-alarm
    </bad-fan-yellow-alarm>
    <red-alarm>
      red-alarm
    </red-alarm>
    <bad-fan-red-alarm>
      bad-fan-red-alarm
    </bad-fan-red-alarm>
  </temperature-threshold>
</temperature-threshold-information>....</temperature-threshold-information-item>

</temperature-threshold>
```

</temperature-threshold-information>

**Description** Temperature threshold information for a component on the routing platform.

### <temperature-threshold-information>

#### Usage

```
<temperature-threshold-information>
  <temperature-threshold>....</temperature-threshold>
</temperature-threshold-information>
```

**Description** Information about the temperature threshold settings for components in the routing platform

### <temperature-threshold-information-item>

#### Usage

```
<temperature-threshold-information>
  <temperature-threshold>
    <temperature-threshold-information-item>
  </temperature-threshold-information-item>
</temperature-threshold>
</temperature-threshold-information>
```

#### Description

### <voltage>

#### Usage

```
<environment-component-information>
  <environment-component-item>
    <power-information>
      <voltage>
        <reference-voltage>
          reference-voltage
        </reference-voltage>
        <actual-voltage>
          actual-voltage
        </actual-voltage>
      </voltage>
    </power-information>
  </environment-component-item>
</environment-component-information>
```

#### Description

### <write-register>

#### Usage

```
<write-register>
```

```
<cb-slot>
  cb-slot
</cb-slot>
<fchip-id>
  fchip-id
</fchip-id>
<address>
  address
</address>
<data>
  data
</data>
</write-register>
```

**Description** Write switch fabric register

### <xf-read-register>

#### Usage

```
<xf-read-register>
  <xfchip-id>
    xfchip-id
  </xfchip-id>
  <xf-address>
    xf-address
  </xf-address>
  <xf-data>
    xf-data
  </xf-data>
</xf-read-register>
```

**Description** Read XFCHIP register

### <xf-show-summary>

#### Usage

```
<xf-show-summary>
  <xfchip-id>
    xfchip-id
  </xfchip-id>
  <xf-mode>
    xf-mode
  </xf-mode>
</xf-show-summary>
```

**Description** Show XFCHIP summary

### <xf-write-register>

#### Usage

```
<xf-write-register>
```



```
<xfchip-id>
  xfchip-id
</xfchip-id>
<xf-address>
  xf-address
</xf-address>
<xf-data>
  xf-data
</xf-data>
</xf-write-register>
```

**Description** Write XFCHIP register

---

## Summary of Layer 2 Control Protocol Response Tags

### <cist-bridge-parameters>

#### Usage

```
<cist-bridge-parameters>
  <cist-id>
    cist-id
  </cist-id>
  <root-bridge> ....</root-bridge>
  <root-port>
    root-port
  </root-port>
  <root-cost>
    root-cost
  </root-cost>
  <regional-root-bridge> ....</regional-root-bridge>
  <internal-root-cost>
    internal-root-cost
  </internal-root-cost>
  <hello-time-learned>
    hello-time-learned
  </hello-time-learned>
  <max-age-learned>
    max-age-learned
  </max-age-learned>
  <forward-delay-learned>
    forward-delay-learned
  </forward-delay-learned>
  <msg-age>
    msg-age
  </msg-age>
  <hop-count>
    hop-count
  </hop-count>
  <time-since-last-tc>
    time-since-last-tc
  </time-since-last-tc>
  <topology-change-count>
    topology-change-count
  </topology-change-count>
```

```
<extended-system-id>
  extended-system-id
</extended-system-id>
<this-bridge>....</this-bridge>
<hello-time-configured>
  hello-time-configured
</hello-time-configured>
<max-age-configured>
  max-age-configured
</max-age-configured>
<forward-delay-configured>
  forward-delay-configured
</forward-delay-configured>
<max-hop-count-configured>
  max-hop-count-configured
</max-hop-count-configured>
<path-cost-method>
  path-cost-method
</path-cost-method>
</cist-bridge-parameters>
```

**Description** STP bridge parameters for Common and Internal Spanning Tree

### <cist-bridge-parameters>

#### Usage

```
<stp-bridge>
<cist-bridge-parameters>
  <cist-id>
    cist-id
  </cist-id>
  <root-bridge>....</root-bridge>
  <root-port>
    root-port
  </root-port>
  <root-cost>
    root-cost
  </root-cost>
  <regional-root-bridge>....</regional-root-bridge>
  <internal-root-cost>
    internal-root-cost
  </internal-root-cost>
  <hello-time-learned>
    hello-time-learned
  </hello-time-learned>
  <max-age-learned>
    max-age-learned
  </max-age-learned>
  <forward-delay-learned>
    forward-delay-learned
  </forward-delay-learned>
  <msg-age>
    msg-age
  </msg-age>
```

```

<hop-count>
  hop-count
</hop-count>
<time-since-last-tc>
  time-since-last-tc
</time-since-last-tc>
<topology-change-count>
  topology-change-count
</topology-change-count>
<extended-system-id>
  extended-system-id
</extended-system-id>
<this-bridge>....</this-bridge>
<hello-time-configured>
  hello-time-configured
</hello-time-configured>
<max-age-configured>
  max-age-configured
</max-age-configured>
<forward-delay-configured>
  forward-delay-configured
</forward-delay-configured>
<max-hop-count-configured>
  max-hop-count-configured
</max-hop-count-configured>
<path-cost-method>
  path-cost-method
</path-cost-method>
</cist-bridge-parameters>
</stp-bridge>

```

**Description** STP bridge parameters for Common and Internal Spanning Tree

### <dot1x-authentication-failed-users>

#### Usage

```

<dot1x-interface-information>
  <dot1x-authentication-failed-users>
    <authentication-failed-interface>
      authentication-failed-interface
    </authentication-failed-interface>
    <authentication-failed-mac-addr>
      authentication-failed-mac-addr
    </authentication-failed-mac-addr>
    <authentication-failed-user>
      authentication-failed-user
    </authentication-failed-user>
  </dot1x-authentication-failed-users>
</dot1x-interface-information>

```

**Description** List of users who failed authentication

### <dot1x-interface-information>

#### Usage

```
<dot1x-interface-information>
  <interface>....</interface>
  <dot1x-static-mac-address>....</dot1x-static-mac-address>
  <dot1x-authentication-failed-users>....</dot1x-authentication-failed-users>
</dot1x-interface-information>
```

#### Description

### <dot1x-static-mac-address>

#### Usage

```
<dot1x-interface-information>
  <dot1x-static-mac-address>
    <static-mac-address>
      static-mac-address
    </static-mac-address>
    <static-mac-vlan-assignment>
      static-mac-vlan-assignment
    </static-mac-vlan-assignment>
    <static-mac-interface>
      static-mac-interface
    </static-mac-interface>
  </dot1x-static-mac-address>
</dot1x-interface-information>
```

**Description** Information about configured static MAC addresses

### <erp-data-channel-entry>

#### Usage

```
<erp-data-channel-entry>
  <data-channel-interface-name>
    data-channel-interface-name
  </data-channel-interface-name>
  <data-channel-stp-index>
    data-channel-stp-index
  </data-channel-stp-index>
  <data-channel-forward-state>
    data-channel-forward-state
  </data-channel-forward-state>
</erp-data-channel-entry>
```

**Description** Data channel information about Ring port of a Ethernet Ring instance

### <erp-data-channel-entry>

#### Usage

```
<erp-data-channel-information>
```

```

<erp-data-channels>
  <erp-data-channel-interfaces>
    <erp-data-channel-entry>
      <data-channel-interface-name>
        data-channel-interface-name
      </data-channel-interface-name>
      <data-channel-stp-index>
        data-channel-stp-index
      </data-channel-stp-index>
      <data-channel-forward-state>
        data-channel-forward-state
      </data-channel-forward-state>
    </erp-data-channel-entry>
  </erp-data-channel-interfaces>
</erp-data-channels>
</erp-data-channel-information>

```

**Description** Data channel information about Ring port of a Ethernet Ring instance

### <erp-data-channel-information>

#### Usage

```

<erp-data-channel-information>
  <erp-data-channels>....</erp-data-channels>
</erp-data-channel-information>

```

**Description** Data channel information for one or more ethernet ring instances

### <erp-data-channel-interfaces>

#### Usage

```

<erp-data-channel-information>
  <erp-data-channels>
    <erp-data-channel-interfaces>
      <erp-data-channel-entry>....</erp-data-channel-entry>
    </erp-data-channel-interfaces>
  </erp-data-channels>
</erp-data-channel-information>

```

**Description** Data channel information about ring ports

### <erp-data-channels>

#### Usage

```

<erp-data-channel-information>
  <erp-data-channels>
    <erp-data-channel-protection-group-name>
      erp-data-channel-protection-group-name
    </erp-data-channel-protection-group-name>
    <erp-data-channel-interfaces>....</erp-data-channel-interfaces>
  </erp-data-channels>

```

```
</erp-data-channel-information>
```

**Description****<erp-ifbd-entries>****Usage**

```
<erp-ifbd-information>
  <erp-ifbds>
    <erp-ifbd-entries>
      <erp-ifbd-entry>....</erp-ifbd-entry>
    </erp-ifbd-entries>
  </erp-ifbds>
</erp-ifbd-information>
```

**Description** VLAN information for one specific iring port

**<erp-ifbd-entry>****Usage**

```
<erp-ifbd-entry>
  <erp-ifbd-interface-name>
    erp-ifbd-interface-name
  </erp-ifbd-interface-name>
  <erp-ifbd-vlan>
    erp-ifbd-vlan
  </erp-ifbd-vlan>
  <erp-ifbd-stp-index>
    erp-ifbd-stp-index
  </erp-ifbd-stp-index>
  <erp-ifbd-bridge-domain>
    erp-ifbd-bridge-domain
  </erp-ifbd-bridge-domain>
</erp-ifbd-entry>
```

**Description** IFBD information controlled by a Ethernet Ring instance

**<erp-ifbd-entry>****Usage**

```
<erp-ifbd-information>
  <erp-ifbds>
    <erp-ifbd-entries>
      <erp-ifbd-entry>
        <erp-ifbd-interface-name>
          erp-ifbd-interface-name
        </erp-ifbd-interface-name>
        <erp-ifbd-vlan>
          erp-ifbd-vlan
        </erp-ifbd-vlan>
        <erp-ifbd-stp-index>
```

```

        erp-ifbd-stp-index
      </erp-ifbd-stp-index>
      <erp-ifbd-bridge-domain>
        erp-ifbd-bridge-domain
      </erp-ifbd-bridge-domain>
    </erp-ifbd-entry>
  </erp-ifbd-entries>
</erp-ifbds>
</erp-ifbd-information>

```

**Description** IFBD information controlled by a Ethernet Ring instance

### <erp-ifbd-information>

#### Usage

```

<erp-ifbd-information>
  <erp-ifbds>....</erp-ifbds>
</erp-ifbd-information>

```

**Description** IFBD information for one or more ethernet ring instances

### <erp-ifbds>

#### Usage

```

<erp-ifbd-information>
  <erp-ifbds>
    <erp-ifbd-protection-group-name>
      erp-ifbd-protection-group-name
    </erp-ifbd-protection-group-name>
    <erp-ifbd-entries>....</erp-ifbd-entries>
  </erp-ifbds>
</erp-ifbd-information>

```

**Description**

### <erp-interface-entry>

#### Usage

```

<erp-interface-entry>
  <erp-interface-name>
    erp-interface-name
  </erp-interface-name>
  <control-channel-name>
    control-channel-name
  </control-channel-name>
  <forward-state>
    forward-state
  </forward-state>
  <rpl-end>
    rpl-end
  </rpl-end>

```

```
<sf-flag>
  sf-flag
</sf-flag>
<interface-state>
  interface-state
</interface-state>
</erp-interface-entry>
```

**Description** Information about Ethernet Ring port of a Ethernet Ring Protection group

### <erp-interface-entry>

#### Usage

```
<erp-interface-information>
  <ethernet-ring-pg>
    <erp-interfaces>
      <erp-interface-entry>
        <erp-interface-name>
          erp-interface-name
        </erp-interface-name>
        <control-channel-name>
          control-channel-name
        </control-channel-name>
        <forward-state>
          forward-state
        </forward-state>
        <rpl-end>
          rpl-end
        </rpl-end>
        <sf-flag>
          sf-flag
        </sf-flag>
        <interface-state>
          interface-state
        </interface-state>
      </erp-interface-entry>
    </erp-interfaces>
  </ethernet-ring-pg>
</erp-interface-information>
```

**Description** Information about Ethernet Ring port of a Ethernet Ring Protection group

### <erp-interface-information>

#### Usage

```
<erp-interface-information>
  <ethernet-ring-pg>....</ethernet-ring-pg>
</erp-interface-information>
```

**Description** Information about ring ports for one or more ethernet ring protection groups



## <erp-interfaces>

### Usage

```
<erp-interface-information>
  <ethernet-ring-pg>
    <erp-interfaces>
      <erp-interface-entry>....</erp-interface-entry>
    </erp-interfaces>
  </ethernet-ring-pg>
</erp-interface-information>
```

**Description** Information about ring ports

## <erp-raps>

### Usage

```
<erp-raps-information>
  <erp-raps>
    <erp-raps-entry>....</erp-raps-entry>
  </erp-raps>
</erp-raps-information>
```

### Description

## <erp-raps-entry>

### Usage

```
<erp-raps-entry>
  <protection-group-name>
    protection-group-name
  </protection-group-name>
  <aps-state>
    aps-state
  </aps-state>
  <aps-event>
    aps-event
  </aps-event>
  <rpl-owner>
    rpl-owner
  </rpl-owner>
  <wtr-timer>
    wtr-timer
  </wtr-timer>
  <guard-timer>
    guard-timer
  </guard-timer>
  <operation-state>
    operation-state
  </operation-state>
</erp-raps-entry>
```

**Description** Information about Ethernet Ring Automatic Protection Switching state machine of a protection group

### <erp-raps-entry>

**Usage**

```
<erp-raps-information>
  <erp-raps>
    <erp-raps-entry>
      <protection-group-name>
        protection-group-name
      </protection-group-name>
      <aps-state>
        aps-state
      </aps-state>
      <aps-event>
        aps-event
      </aps-event>
      <rpl-owner>
        rpl-owner
      </rpl-owner>
      <wtr-timer>
        wtr-timer
      </wtr-timer>
      <guard-timer>
        guard-timer
      </guard-timer>
      <operation-state>
        operation-state
      </operation-state>
    </erp-raps-entry>
  </erp-raps>
</erp-raps-information>
```

**Description** Information about Ethernet Ring Automatic Protection Switching state machine of a protection group

### <erp-raps-information>

**Usage**

```
<erp-raps-information>
  <erp-raps>....</erp-raps>
</erp-raps-information>
```

**Description** Information about RAPS state machine of one or more ethernet rings

### <erp-rpdu-entry>

**Usage**

```
<erp-rpdu-entry>
  <protection-group-name>
```

```

    protection-group-name
  </protection-group-name>
  <request-state>
    request-state
  </request-state>
  <dnf-flag>
    dnf-flag
  </dnf-flag>
  <rb-flag>
    rb-flag
  </rb-flag>
  <originator>
    originator
  </originator>
  <remote-node-id>
    remote-node-id
  </remote-node-id>
</erp-rpdu-entry>

```

**Description** Information about Ethernet Ring RAPS PDU of a Ethernet Ring Protection group

### <erp-rpdu-entry>

#### Usage

```

<erp-rpdu-information>
  <erp-rpdus>
    <erp-rpdu-entry>
      <protection-group-name>
        protection-group-name
      </protection-group-name>
      <request-state>
        request-state
      </request-state>
      <dnf-flag>
        dnf-flag
      </dnf-flag>
      <rb-flag>
        rb-flag
      </rb-flag>
      <originator>
        originator
      </originator>
      <remote-node-id>
        remote-node-id
      </remote-node-id>
    </erp-rpdu-entry>
  </erp-rpdus>
</erp-rpdu-information>

```

**Description** Information about Ethernet Ring RAPS PDU of a Ethernet Ring Protection group

## <erp-rpdu-information>

### Usage

```
<erp-rpdu-information>
  <erp-rpdus>....</erp-rpdus>
</erp-rpdu-information>
```

**Description** Information about one or more ethernet rings

## <erp-rpdus>

### Usage

```
<erp-rpdu-information>
  <erp-rpdus>
    <erp-rpdu-entry>....</erp-rpdu-entry>
  </erp-rpdus>
</erp-rpdu-information>
```

### Description

## <ethernet-ring-pg>

### Usage

```
<erp-interface-information>
  <ethernet-ring-pg>
    <erp-protection-group-name>
      erp-protection-group-name
    </erp-protection-group-name>
    <erp-interfaces>....</erp-interfaces>
  </ethernet-ring-pg>
</erp-interface-information>
```

### Description

## <ethernet-ring-statistics>

### Usage

```
<ethernet-ring-statistics>
  <protection-group-name>
    protection-group-name
  </protection-group-name>
  <raps-event-sent>
    raps-event-sent
  </raps-event-sent>
  <raps-event-received>
    raps-event-received
  </raps-event-received>
  <raps-local-sf>
    raps-local-sf
  </raps-local-sf>
  <raps-remote-sf>
    raps-remote-sf
```

```

</raps-remote-sf>
<raps-nr>
  raps-nr
</raps-nr>
<raps-nr-rb>
  raps-nr-rb
</raps-nr-rb>
</ethernet-ring-statistics>

```

**Description** Ethernet Ring protection group statistics

## <interface>

### Usage

```

<dot1x-interface-information>
<interface>
  <interface-name>
    interface-name
  </interface-name>
  <user-name>
    user-name
  </user-name>
  <user-mac-address>
    user-mac-address
  </user-mac-address>
  <role>
    role
  </role>
  <state>
    state
  </state>
  <administrative-state>
    administrative-state
  </administrative-state>
  <administrative-mode>
    administrative-mode
  </administrative-mode>
  <number-of-retries>
    number-of-retries
  </number-of-retries>
  <quiet-period>
    quiet-period
  </quiet-period>
  <transmit-period>
    transmit-period
  </transmit-period>
  <reauthentication>
    reauthentication
  </reauthentication>
  <reauthentication-interval>
    reauthentication-interval
  </reauthentication-interval>
  <supplicant-timeout>
    supplicant-timeout

```

```
</supplicant-timeout>
<server-timeout>
  server-timeout
</server-timeout>
<max-eapol-request>
  max-eapol-request
</max-eapol-request>
<frame-control>
  frame-control
</frame-control>
<guest-vlan>
  guest-vlan
</guest-vlan>
<number-of-authentication-bypassed-clients>
  number-of-authentication-bypassed-clients
</number-of-authentication-bypassed-clients>
<static-mac-bypass>
  static-mac-bypass
</static-mac-bypass>
<number-of-connected-supplicants>
  number-of-connected-supplicants
</number-of-connected-supplicants>
<reauthentication-due>
  reauthentication-due
</reauthentication-due>
</interface>
</dot1x-interface-information>
```

#### Description

### <l2pt-interface-entry>

#### Usage

```
<l2pt-interface-list>
  <l2pt-interface-entry>
    <interface-name>
      interface-name
    </interface-name>
    <protocols>
      protocols
    </protocols>
  </l2pt-interface-entry>
</l2pt-interface-list>
```

#### Description

### <l2pt-interface-list>

#### Usage

```
<l2pt-interface-list>
  <l2pt-interface-entry>....</l2pt-interface-entry>
</l2pt-interface-list>
```

**Description** L2PT interface information

### <mmrp-applicant-entry>

#### Usage

```
<mmrp-applicant-entry>
  <mmrp-applicant-mac-address>
    mmrp-applicant-mac-address
  </mmrp-applicant-mac-address>
  <mmrp-applicant-interface-name>
    mmrp-applicant-interface-name
  </mmrp-applicant-interface-name>
  <mmrp-applicant-state>
    mmrp-applicant-state
  </mmrp-applicant-state>
</mmrp-applicant-entry>
```

**Description** Information about Applicant state

### <mmrp-applicant-entry>

#### Usage

```
<mmrp-applicant-information>
  <mmrp-applicant-mmrip-instance>
    <mmrp-applicant-entry-information>
      <mmrp-applicant-entry>
        <mmrp-applicant-mac-address>
          mmrp-applicant-mac-address
        </mmrp-applicant-mac-address>
        <mmrp-applicant-interface-name>
          mmrp-applicant-interface-name
        </mmrp-applicant-interface-name>
        <mmrp-applicant-state>
          mmrp-applicant-state
        </mmrp-applicant-state>
      </mmrp-applicant-entry>
    </mmrp-applicant-entry-information>
  </mmrp-applicant-mmrip-instance>
</mmrp-applicant-information>
```

**Description** Information about Applicant state

### <mmrp-applicant-entry-information>

#### Usage

```
<mmrp-applicant-information>
  <mmrp-applicant-mmrip-instance>
    <mmrp-applicant-entry-information>
      <mmrp-applicant-entry>.....</mmrp-applicant-entry>
    </mmrp-applicant-entry-information>
  </mmrp-applicant-mmrip-instance>
```

</mmrp-applicant-information>

**Description** Applicant state information

### <mmrp-applicant-information>

#### Usage

```
<mmrp-applicant-information>
  <mmrp-applicant-mmrip-instance>....</mmrp-applicant-mmrip-instance>
</mmrp-applicant-information>
```

**Description** Information about multicast MAC Applicant state

### <mmrp-applicant-mmrip-instance>

#### Usage

```
<mmrp-applicant-information>
  <mmrp-applicant-mmrip-instance>
    <mmrp-applicant-instance-name>
      mmrip-applicant-instance-name
    </mmrp-applicant-instance-name>
    <mmrp-applicant-entry-information>....</mmrp-applicant-entry-information>
  </mmrp-applicant-mmrip-instance>
</mmrp-applicant-information>
```

**Description**

### <mmrp-interface-entry>

#### Usage

```
<mmrp-interface-entry>
  <mmrp-interface-interface-name>
    mmrip-interface-interface-name
  </mmrp-interface-interface-name>
  <mmrp-interface-state>
    mmrip-interface-state
  </mmrp-interface-state>
</mmrp-interface-entry>
```

**Description** Information about interface and state

### <mmrp-interface-entry>

#### Usage

```
<mmrp-interface-information>
  <mmrp-interface-mmrip-instance>
    <mmrp-interface-entry-information>
      <mmrp-interface-entry>
        <mmrp-interface-interface-name>
          mmrip-interface-interface-name
        </mmrp-interface-interface-name>
      </mmrp-interface-entry>
    </mmrp-interface-entry-information>
  </mmrp-interface-mmrip-instance>
</mmrp-interface-information>
```



```
</mmrp-interface-interface-name>
<mmrp-interface-state>
  mmrp-interface-state
</mmrp-interface-state>
</mmrp-interface-entry>
</mmrp-interface-entry-information>
</mmrp-interface-mmrip-instance>
</mmrp-interface-information>
```

**Description** Information about interface and state

### <mmrp-interface-entry-information>

#### Usage

```
<mmrp-interface-information>
<mmrp-interface-mmrip-instance>
  <mmrp-interface-entry-information>
    <mmrp-interface-entry>....</mmrp-interface-entry>
  </mmrp-interface-entry-information>
</mmrp-interface-mmrip-instance>
</mmrp-interface-information>
```

**Description** Interface information

### <mmrp-interface-information>

#### Usage

```
<mmrp-interface-information>
<mmrp-interface-mmrip-instance>....</mmrp-interface-mmrip-instance>
</mmrp-interface-information>
```

**Description** Information about interfaces

### <mmrp-interface-mmrip-instance>

#### Usage

```
<mmrp-interface-information>
  <mmrp-interface-mmrip-instance>
    <mmrp-interface-instance-name>
      mmrp-interface-instance-name
    </mmrp-interface-instance-name>
    <mmrp-interface-entry-information>....</mmrp-interface-entry-information>
  </mmrp-interface-mmrip-instance>
</mmrp-interface-information>
```

**Description**

### <mmrp-maclist-entry>

#### Usage

```
<mmrp-maclist-entry>
  <mmrp-maclist-mac-address>
    mmrp-maclist-mac-address
  </mmrp-maclist-mac-address>
  <mmrp-maclist-mac-type>
    mmrp-maclist-mac-type
  </mmrp-maclist-mac-type>
  <mmrp-maclist-mac-isid>
    mmrp-maclist-mac-isid
  </mmrp-maclist-mac-isid>
  <mmrp-maclist-mac-map_count>
    mmrp-maclist-mac-map_count
  </mmrp-maclist-mac-map_count>
</mmrp-maclist-entry>
```

**Description** Information about multicast MAC

### <mmrp-maclist-entry>

#### Usage

```
<mmrp-maclist-information>
  <mmrp-maclist-mmrip-instance>
    <mmrp-maclist-entry-information>
      <mmrp-maclist-entry>
        <mmrp-maclist-mac-address>
          mmrp-maclist-mac-address
        </mmrp-maclist-mac-address>
        <mmrp-maclist-mac-type>
          mmrp-maclist-mac-type
        </mmrp-maclist-mac-type>
        <mmrp-maclist-mac-isid>
          mmrp-maclist-mac-isid
        </mmrp-maclist-mac-isid>
        <mmrp-maclist-mac-map_count>
          mmrp-maclist-mac-map_count
        </mmrp-maclist-mac-map_count>
      </mmrp-maclist-entry>
    </mmrp-maclist-entry-information>
  </mmrp-maclist-mmrip-instance>
</mmrp-maclist-information>
```

**Description** Information about multicast MAC

### <mmrp-maclist-entry-information>

#### Usage

```
<mmrp-maclist-information>
  <mmrp-maclist-mmrip-instance>
    <mmrp-maclist-entry-information>
```

```

        <mmrp-maclist-entry>....</mmrp-maclist-entry>
    </mmrp-maclist-entry-information>
</mmrp-maclist-mmrip-instance>
</mmrp-maclist-information>

```

**Description** MAC list information

### <mmrp-maclist-information>

#### Usage

```

<mmrp-maclist-information>
  <mmrp-maclist-mmrip-instance>....</mmrp-maclist-mmrip-instance>
</mmrp-maclist-information>

```

**Description** Information about multicast MAC list

### <mmrp-maclist-mmrip-instance>

#### Usage

```

<mmrp-maclist-information>
  <mmrp-maclist-mmrip-instance>
    <mmrp-maclist-instance-name>
      mmrip-maclist-instance-name
    </mmrp-maclist-instance-name>
    <mmrp-maclist-entry-information>....</mmrp-maclist-entry-information>
  </mmrp-maclist-mmrip-instance>
</mmrp-maclist-information>

```

**Description**

### <mmrp-mactable-entry>

#### Usage

```

<mmrp-mactable-entry>
  <mmrp-mactable-mac-address>
    mmrip-mactable-mac-address
  </mmrp-mactable-mac-address>
  <mmrp-mactable-nexthop>
    mmrip-mactable-nexthop
  </mmrp-mactable-nexthop>
  <mmrp-mactable-token>
    mmrip-mactable-token
  </mmrp-mactable-token>
  <mmrp-mactable-interface>....</mmrp-mactable-interface>
</mmrp-mactable-entry>

```

**Description** Information about MAC table

### <mmrp-mactable-entry>

#### Usage

```
<mmrp-mactable-information>
  <mmrp-mactable-mmrip-instance>
    <mmrp-mactable-entry-information>
      <mmrp-mactable-entry>
        <mmrp-mactable-mac-address>
          mmrp-mactable-mac-address
        </mmrp-mactable-mac-address>
        <mmrp-mactable-nexthop>
          mmrp-mactable-nexthop
        </mmrp-mactable-nexthop>
        <mmrp-mactable-token>
          mmrp-mactable-token
        </mmrp-mactable-token>
        <mmrp-mactable-interface>....</mmrp-mactable-interface>
      </mmrp-mactable-entry>
    </mmrp-mactable-entry-information>
  </mmrp-mactable-mmrip-instance>
</mmrp-mactable-information>
```

**Description** Information about MAC table

### <mmrp-mactable-entry-information>

#### Usage

```
<mmrp-mactable-information>
  <mmrp-mactable-mmrip-instance>
    <mmrp-mactable-entry-information>
      <mmrp-mactable-entry>....</mmrp-mactable-entry>
    </mmrp-mactable-entry-information>
  </mmrp-mactable-mmrip-instance>
</mmrp-mactable-information>
```

**Description** MAC table information

### <mmrp-mactable-information>

#### Usage

```
<mmrp-mactable-information>
  <mmrp-mactable-mmrip-instance>....</mmrp-mactable-mmrip-instance>
</mmrp-mactable-information>
```

**Description** Information about multicast MAC table

### <mmrp-mactable-interface>

#### Usage

```
<mmrp-mactable-entry>
```

```

<mmrp-mactable-interface>
  <mmrp-mactable-interface-name>
    mmrp-mactable-interface-name
  </mmrp-mactable-interface-name>
  <mmrp-mactable-interface-action>
    mmrp-mactable-interface-action
  </mmrp-mactable-interface-action>
</mmrp-mactable-interface>
</mmrp-mactable-entry>

```

### Description

#### <mmrp-mactable-interface>

##### Usage

```

<mmrp-mactable-information>
  <mmrp-mactable-mmrip-instance>
    <mmrp-mactable-entry-information>
      <mmrp-mactable-entry>
        <mmrp-mactable-interface>
          <mmrp-mactable-interface-name>
            mmrp-mactable-interface-name
          </mmrp-mactable-interface-name>
          <mmrp-mactable-interface-action>
            mmrp-mactable-interface-action
          </mmrp-mactable-interface-action>
        </mmrp-mactable-interface>
      </mmrp-mactable-entry>
    </mmrp-mactable-entry-information>
  </mmrp-mactable-mmrip-instance>
</mmrp-mactable-information>

```

### Description

#### <mmrp-mactable-mmrip-instance>

##### Usage

```

<mmrp-mactable-information>
  <mmrp-mactable-mmrip-instance>
    <mmrp-mactable-instance-name>
      mmrp-mactable-instance-name
    </mmrp-mactable-instance-name>
    <mmrp-mactable-bridge-domain-name>
      mmrp-mactable-bridge-domain-name
    </mmrp-mactable-bridge-domain-name>
    <mmrp-mactable-vlan-id>
      mmrp-mactable-vlan-id
    </mmrp-mactable-vlan-id>
    <mmrp-mactable-entry-information>....</mmrp-mactable-entry-information>
  </mmrp-mactable-mmrip-instance>
</mmrp-mactable-information>

```

### Description

## <mmrp-registration-entry>

### Usage

```
<mmrp-registration-entry>
  <mmrp-registration-mac-address>
    mmrp-registration-mac-address
  </mmrp-registration-mac-address>
  <mmrp-registration-interface-name>
    mmrp-registration-interface-name
  </mmrp-registration-interface-name>
  <mmrp-registration-state>
    mmrp-registration-state
  </mmrp-registration-state>
  <mmrp-registration-forced-state>
    mmrp-registration-forced-state
  </mmrp-registration-forced-state>
  <mmrp-registration-manage-state>
    mmrp-registration-manage-state
  </mmrp-registration-manage-state>
  <mmrp-registration-stp-state>
    mmrp-registration-stp-state
  </mmrp-registration-stp-state>
</mmrp-registration-entry>
```

**Description** Information about registration state

## <mmrp-registration-entry>

### Usage

```
<mmrp-registration-information>
  <mmrp-registration-mmrip-instance>
    <mmrp-registration-entry-information>
      <mmrp-registration-entry>
        <mmrp-registration-mac-address>
          mmrp-registration-mac-address
        </mmrp-registration-mac-address>
        <mmrp-registration-interface-name>
          mmrp-registration-interface-name
        </mmrp-registration-interface-name>
        <mmrp-registration-state>
          mmrp-registration-state
        </mmrp-registration-state>
        <mmrp-registration-forced-state>
          mmrp-registration-forced-state
        </mmrp-registration-forced-state>
        <mmrp-registration-manage-state>
          mmrp-registration-manage-state
        </mmrp-registration-manage-state>
        <mmrp-registration-stp-state>
          mmrp-registration-stp-state
        </mmrp-registration-stp-state>
      </mmrp-registration-entry>
    </mmrp-registration-entry-information>
  </mmrp-registration-mmrip-instance>
</mmrp-registration-information>
```

```
</mmrp-registration-mmrip-instance>
</mmrp-registration-information>
```

**Description** Information about registration state

### <mmrp-registration-entry-information>

**Usage**

```
<mmrp-registration-information>
  <mmrp-registration-mmrip-instance>
    <mmrp-registration-entry-information>
      <mmrp-registration-entry>....</mmrp-registration-entry>
    </mmrp-registration-entry-information>
  </mmrp-registration-mmrip-instance>
</mmrp-registration-information>
```

**Description** Registration state information

### <mmrp-registration-information>

**Usage**

```
<mmrp-registration-information>
  <mmrp-registration-mmrip-instance>....</mmrp-registration-mmrip-instance>
</mmrp-registration-information>
```

**Description** Information about multicast MAC Registration state

### <mmrp-registration-mmrip-instance>

**Usage**

```
<mmrp-registration-information>
  <mmrp-registration-mmrip-instance>
    <mmrp-registration-instance-name>
      mmrp-registration-instance-name
    </mmrp-registration-instance-name>
    <mmrp-registration-entry-information>....</mmrp-registration-entry-information>

  </mmrp-registration-mmrip-instance>
</mmrp-registration-information>
```

**Description**

### <mmrp-statistics-entry>

**Usage**

```
<mmrp-statistics-entry>
  <mmrp-statistics-interface-name>
    mmrp-statistics-interface-name
  </mmrp-statistics-interface-name>
  <mmrp-statistics-mac-registered>
```

```
    mmrp-statistics-mac-registered
  </mmrp-statistics-mac-registered>
  <mmrp-statistics-sent-pdu>
    mmrp-statistics-sent-pdu
  </mmrp-statistics-sent-pdu>
  <mmrp-statistics-received-pdu>
    mmrp-statistics-received-pdu
  </mmrp-statistics-received-pdu>
  <mmrp-statistics-error-pdu>
    mmrp-statistics-error-pdu
  </mmrp-statistics-error-pdu>
</mmrp-statistics-entry>
```

**Description** Statistics Information

### <mmrp-statistics-entry>

#### Usage

```
<mmrp-statistics-information>
  <mmrp-statistics-mmrp-instance>
    <mmrp-statistics-entry-information>
      <mmrp-statistics-entry>
        <mmrp-statistics-interface-name>
          mmrp-statistics-interface-name
        </mmrp-statistics-interface-name>
        <mmrp-statistics-mac-registered>
          mmrp-statistics-mac-registered
        </mmrp-statistics-mac-registered>
        <mmrp-statistics-sent-pdu>
          mmrp-statistics-sent-pdu
        </mmrp-statistics-sent-pdu>
        <mmrp-statistics-received-pdu>
          mmrp-statistics-received-pdu
        </mmrp-statistics-received-pdu>
        <mmrp-statistics-error-pdu>
          mmrp-statistics-error-pdu
        </mmrp-statistics-error-pdu>
      </mmrp-statistics-entry>
    </mmrp-statistics-entry-information>
  </mmrp-statistics-mmrp-instance>
</mmrp-statistics-information>
```

**Description** Statistics Information

### <mmrp-statistics-entry-information>

#### Usage

```
<mmrp-statistics-information>
  <mmrp-statistics-mmrp-instance>
    <mmrp-statistics-entry-information>
      <mmrp-statistics-entry>....</mmrp-statistics-entry>
    </mmrp-statistics-entry-information>
```



```

    </mmrp-statistics-mmrip-instance>
  </mmrp-statistics-information>

```

**Description** Statistics information

### <mmrp-statistics-information>

#### Usage

```

<mmrp-statistics-information>
  <mmrp-statistics-mmrip-instance>....</mmrp-statistics-mmrip-instance>
</mmrp-statistics-information>

```

**Description** Information about multicast MAC statistics state

### <mmrp-statistics-mmrip-instance>

#### Usage

```

<mmrp-statistics-information>
  <mmrp-statistics-mmrip-instance>
    <mmrp-statistics-instance-name>
      mmrp-statistics-instance-name
    </mmrp-statistics-instance-name>
    <mmrp-statistics-entry-information>....</mmrp-statistics-entry-information>
  </mmrp-statistics-mmrip-instance>
</mmrp-statistics-information>

```

**Description**

### <msti-bridge-parameters>

#### Usage

```

<msti-bridge-parameters>
  <msti-id>
    msti-id
  </msti-id>
  <msti-regional-root-bridge>....</msti-regional-root-bridge>
  <root-port>
    root-port
  </root-port>
  <root-cost>
    root-cost
  </root-cost>
  <hello-time-learned>
    hello-time-learned
  </hello-time-learned>
  <max-age-learned>
    max-age-learned
  </max-age-learned>
  <forward-delay-learned>
    forward-delay-learned
  </forward-delay-learned>

```

```
<max-hop-count-configured>
  max-hop-count-configured
</max-hop-count-configured>
<hop-count>
  hop-count
</hop-count>
<time-since-last-tc>
  time-since-last-tc
</time-since-last-tc>
<topology-change-count>
  topology-change-count
</topology-change-count>
<extended-system-id>
  extended-system-id
</extended-system-id>
<this-bridge>....</this-bridge>
<hello-time-configured>
  hello-time-configured
</hello-time-configured>
<max-age-configured>
  max-age-configured
</max-age-configured>
<forward-delay-configured>
  forward-delay-configured
</forward-delay-configured>
<path-cost-method>
  path-cost-method
</path-cost-method>
</msti-bridge-parameters>
```

**Description** STP bridge parameters for Multiple Spanning Tree instances

### <msti-bridge-parameters>

#### Usage

```
<stp-bridge>
<msti-bridge-parameters>
  <msti-id>
    msti-id
  </msti-id>
  <msti-regional-root-bridge>....</msti-regional-root-bridge>
  <root-port>
    root-port
  </root-port>
  <root-cost>
    root-cost
  </root-cost>
  <hello-time-learned>
    hello-time-learned
  </hello-time-learned>
  <max-age-learned>
    max-age-learned
  </max-age-learned>
  <forward-delay-learned>
```

```

    forward-delay-learned
  </forward-delay-learned>
  <max-hop-count-configured>
    max-hop-count-configured
  </max-hop-count-configured>
  <hop-count>
    hop-count
  </hop-count>
  <time-since-last-tc>
    time-since-last-tc
  </time-since-last-tc>
  <topology-change-count>
    topology-change-count
  </topology-change-count>
  <extended-system-id>
    extended-system-id
  </extended-system-id>
  <this-bridge>....</this-bridge>
  <hello-time-configured>
    hello-time-configured
  </hello-time-configured>
  <max-age-configured>
    max-age-configured
  </max-age-configured>
  <forward-delay-configured>
    forward-delay-configured
  </forward-delay-configured>
  <path-cost-method>
    path-cost-method
  </path-cost-method>
</msti-bridge-parameters>
</stp-bridge>

```

**Description** STP bridge parameters for Multiple Spanning Tree instances

## <msti-regional-root-bridge>

### Usage

```

<msti-bridge-parameters>
  <msti-regional-root-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </msti-regional-root-bridge>
</msti-bridge-parameters>

```

**Description** MSTI regional root identifier

### <msti-regional-root-bridge>

#### Usage

```
<stp-bridge>
  <msti-bridge-parameters>
    <msti-regional-root-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </msti-regional-root-bridge>
  </msti-bridge-parameters>
</stp-bridge>
```

**Description** MSTI regional root identifier

### <mstp-configuration>

#### Usage

```
<mstp-configuration>
  <context-id>
    context-id
  </context-id>
  <mstp-name>
    mstp-name
  </mstp-name>
  <mstp-revision>
    mstp-revision
  </mstp-revision>
  <mstp-configuration-digest>
    mstp-configuration-digest
  </mstp-configuration-digest>
  <vlan-map>....</vlan-map>
</mstp-configuration>
```

**Description** Information about Multiple Spanning Tree protocol configuration

### <mvrp-applicant-information>

#### Usage

```
<mvrp-applicant-information>
  <mvrp-applicant-instance>....</mvrp-applicant-instance>
</mvrp-applicant-information>
```

**Description** Information about MVRP Applicant state

## <mvrp-applicant-instance>

### Usage

```

<mvrp-applicant-information>
  <mvrp-applicant-instance>
    <mvrp-routing-instance-name>
      mvrp-routing-instance-name
    </mvrp-routing-instance-name>
    <mvrp-applicant-vlan-entry>....</mvrp-applicant-vlan-entry>
  </mvrp-applicant-instance>
</mvrp-applicant-information>

```

### Description

## <mvrp-applicant-interface-entry>

### Usage

```

<mvrp-applicant-information>
  <mvrp-applicant-instance>
    <mvrp-applicant-vlan-entry>
      <mvrp-applicant-interface-entry>
        <mvrp-interface-name>
          mvrp-interface-name
        </mvrp-interface-name>
        <mvrp-applicant-state>
          mvrp-applicant-state
        </mvrp-applicant-state>
      </mvrp-applicant-interface-entry>
    </mvrp-applicant-vlan-entry>
  </mvrp-applicant-instance>
</mvrp-applicant-information>

```

### Description

## <mvrp-applicant-vlan-entry>

### Usage

```

<mvrp-applicant-information>
  <mvrp-applicant-instance>
    <mvrp-applicant-vlan-entry>
      <mvrp-vlan-id>
        mvrp-vlan-id
      </mvrp-vlan-id>
      <mvrp-applicant-interface-entry>....</mvrp-applicant-interface-entry>
    </mvrp-applicant-vlan-entry>
  </mvrp-applicant-instance>
</mvrp-applicant-information>

```

**Description**    Applicant state information

## <mvrp-information>

### Usage

```
<mvrp-information>
  <mvrp-information-entry>....</mvrp-information-entry>
</mvrp-information>
```

### Description

## <mvrp-information-entry>

### Usage

```
<mvrp-information>
  <mvrp-information-entry>
    <mvrp-routing-instance-name>
      mvrp-routing-instance-name
    </mvrp-routing-instance-name>
    <mvrp-dynamic-vlan>
      mvrp-dynamic-vlan
    </mvrp-dynamic-vlan>
    <mvrp-bpdu-mac-address>
      mvrp-bpdu-mac-address
    </mvrp-bpdu-mac-address>
    <mvrp-interface-timers>....</mvrp-interface-timers>
  </mvrp-information-entry>
</mvrp-information>
```

### Description

## <mvrp-interface-entry>

### Usage

```
<mvrp-interface-information>
  <mvrp-interface-instance>
    <mvrp-interface-entry>
      <mvrp-interface-name>
        mvrp-interface-name
      </mvrp-interface-name>
      <mvrp-interface-status>
        mvrp-interface-status
      </mvrp-interface-status>
      <mvrp-interface-registration-mode>
        mvrp-interface-registration-mode
      </mvrp-interface-registration-mode>
      <mvrp-interface-applicant-mode>
        mvrp-interface-applicant-mode
      </mvrp-interface-applicant-mode>
    </mvrp-interface-entry>
  </mvrp-interface-instance>
</mvrp-interface-information>
```

### Description

### <mvrp-interface-information>

#### Usage

```
<mvrp-interface-information>
  <mvrp-interface-instance>....</mvrp-interface-instance>
</mvrp-interface-information>
```

#### Description

### <mvrp-interface-instance>

#### Usage

```
<mvrp-interface-information>
  <mvrp-interface-instance>
    <mvrp-routing-instance-name>
      mvrp-routing-instance-name
    </mvrp-routing-instance-name>
    <mvrp-interface-entry>....</mvrp-interface-entry>
  </mvrp-interface-instance>
</mvrp-interface-information>
```

#### Description

### <mvrp-interface-statistics>

#### Usage

```
<mvrp-interface-statistics>
  <mvrp-statistics-instance>....</mvrp-statistics-instance>
</mvrp-interface-statistics>
```

**Description** MVRP interface statistics

### <mvrp-interface-timers>

#### Usage

```
<mvrp-information>
  <mvrp-information-entry>
    <mvrp-interface-timers>
      <mvrp-interface-name>
        mvrp-interface-name
      </mvrp-interface-name>
      <mvrp-timer-join>
        mvrp-timer-join
      </mvrp-timer-join>
      <mvrp-timer-leave>
        mvrp-timer-leave
      </mvrp-timer-leave>
      <mvrp-timer-leaveall>
        mvrp-timer-leaveall
      </mvrp-timer-leaveall>
    </mvrp-interface-timers>
  </mvrp-information-entry>
```

```
</mvrp-information>
```

#### Description

### <mvrp-registration-information>

#### Usage

```
<mvrp-registration-information>  
<mvrp-registration-instance>.....</mvrp-registration-instance>  
</mvrp-registration-information>
```

**Description** Information about multicast MAC Registration state

### <mvrp-registration-instance>

#### Usage

```
<mvrp-registration-information>  
<mvrp-registration-instance>  
  <mvrp-routing-instance-name>  
    mvrp-routing-instance-name  
  </mvrp-routing-instance-name>  
  <mvrp-registration-vlan-entry>.....</mvrp-registration-vlan-entry>  
</mvrp-registration-instance>  
</mvrp-registration-information>
```

#### Description

### <mvrp-registration-interface-entry>

#### Usage

```
<mvrp-registration-information>  
<mvrp-registration-instance>  
  <mvrp-registration-vlan-entry>  
    <mvrp-registration-interface-entry>  
      <mvrp-interface-name>  
        mvrp-interface-name  
      </mvrp-interface-name>  
      <mvrp-registration-state>  
        mvrp-registration-state  
      </mvrp-registration-state>  
      <mvrp-registration-forced-state>  
        mvrp-registration-forced-state  
      </mvrp-registration-forced-state>  
      <mvrp-registration-manage-state>  
        mvrp-registration-manage-state  
      </mvrp-registration-manage-state>  
      <mvrp-registration-stp-state>  
        mvrp-registration-stp-state  
      </mvrp-registration-stp-state>  
    </mvrp-registration-interface-entry>  
  </mvrp-registration-vlan-entry>  
</mvrp-registration-instance>
```



```
</mvrp-registration-information>
```

#### Description

### <mvrp-registration-vlan-entry>

#### Usage

```
<mvrp-registration-information>
  <mvrp-registration-instance>
    <mvrp-registration-vlan-entry>
      <mvrp-vlan-id>
        mvrp-vlan-id
      </mvrp-vlan-id>
      <mvrp-registration-interface-entry>....</mvrp-registration-interface-entry>
    </mvrp-registration-vlan-entry>
  </mvrp-registration-instance>
</mvrp-registration-information>
```

**Description** Registration state information

### <mvrp-statistics-instance>

#### Usage

```
<mvrp-interface-statistics>
  <mvrp-statistics-instance>
    <mvrp-routing-instance-name>
      mvrp-routing-instance-name
    </mvrp-routing-instance-name>
    <mvrp-statistics-interface-entry>....</mvrp-statistics-interface-entry>
  </mvrp-statistics-instance>
</mvrp-interface-statistics>
```

#### Description

### <mvrp-statistics-interface-entry>

#### Usage

```
<mvrp-interface-statistics>
  <mvrp-statistics-instance>
    <mvrp-statistics-interface-entry>
      <mvrp-interface-name>
        mvrp-interface-name
      </mvrp-interface-name>
      <mvrp-statistics-vlan-registered>
        mvrp-statistics-vlan-registered
      </mvrp-statistics-vlan-registered>
      <mvrp-statistics-sent-pdu>
        mvrp-statistics-sent-pdu
      </mvrp-statistics-sent-pdu>
      <mvrp-statistics-received-pdu>
        mvrp-statistics-received-pdu
      </mvrp-statistics-received-pdu>
```

```
<mvrp-statistics-error-pdu>
  mvrp-statistics-error-pdu
</mvrp-statistics-error-pdu>
</mvrp-statistics-interface-entry>
</mvrp-statistics-instance>
</mvrp-interface-statistics>
```

**Description** Statistics information

### <mvrp-vlan-entry>

#### Usage

```
<mvrp-vlan-information>
<mvrp-vlan-instance>
  <mvrp-vlan-entry>
    <mvrp-vlan-id>
      mvrp-vlan-id
    </mvrp-vlan-id>
    <mvrp-static-vlan>
      mvrp-static-vlan
    </mvrp-static-vlan>
    <mvrp-vlan-interface-entry>....</mvrp-vlan-interface-entry>
  </mvrp-vlan-entry>
</mvrp-vlan-instance>
</mvrp-vlan-information>
```

**Description** Dynamic vlan information

### <mvrp-vlan-information>

#### Usage

```
<mvrp-vlan-information>
  <mvrp-vlan-instance>....</mvrp-vlan-instance>
</mvrp-vlan-information>
```

**Description**

### <mvrp-vlan-instance>

#### Usage

```
<mvrp-vlan-information>
  <mvrp-vlan-instance>
    <mvrp-routing-instance-name>
      mvrp-routing-instance-name
    </mvrp-routing-instance-name>
    <mvrp-vlan-entry>....</mvrp-vlan-entry>
  </mvrp-vlan-instance>
</mvrp-vlan-information>
```

**Description**

**<mvrp-vlan-interface-entry>****Usage**

```

<mvrp-vlan-information>
  <mvrp-vlan-instance>
    <mvrp-vlan-entry>
      <mvrp-vlan-interface-entry>
        <mvrp-interface-name>
          mvrp-interface-name
        </mvrp-interface-name>
        <mvrp-fixed-registration>
          mvrp-fixed-registration
        </mvrp-fixed-registration>
      </mvrp-vlan-interface-entry>
    </mvrp-vlan-entry>
  </mvrp-vlan-instance>
</mvrp-vlan-information>

```

**Description****<regional-root-bridge>****Usage**

```

<cist-bridge-parameters>
  <regional-root-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </regional-root-bridge>
</cist-bridge-parameters>

```

**Description** CIST regional root bridge identifier

**<regional-root-bridge>****Usage**

```

<stp-bridge>
  <cist-bridge-parameters>
    <regional-root-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </regional-root-bridge>
  </cist-bridge-parameters>
</stp-bridge>

```

**Description** CIST regional root bridge identifier

### <root-bridge>

#### Usage

```
<cist-bridge-parameters>
  <root-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </root-bridge>
</cist-bridge-parameters>
```

**Description** Root bridge identifier

### <root-bridge>

#### Usage

```
<vst-bridge-parameters>
  <root-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </root-bridge>
</vst-bridge-parameters>
```

**Description** Root bridge identifier

### <root-bridge>

#### Usage

```
<stp-bridge>
  <cist-bridge-parameters>
    <root-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </root-bridge>
  </cist-bridge-parameters>
</stp-bridge>
```

**Description** Root bridge identifier

### <root-bridge>

#### Usage

```
<stp-bridge>
  <vst-bridge-parameters>
    <root-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </root-bridge>
  </vst-bridge-parameters>
</stp-bridge>
```

**Description** Root bridge identifier

### <stp-bridge>

#### Usage

```
<stp-bridge>
  <routing-instance-name>
    routing-instance-name
  </routing-instance-name>
  <context-id>
    context-id
  </context-id>
  <bpd-destination-mac-address>
    bpd-destination-mac-address
  </bpd-destination-mac-address>
  <protocol>
    protocol
  </protocol>
  <cist-bridge-parameters>....</cist-bridge-parameters>
  <msti-bridge-parameters>....</msti-bridge-parameters>
  <vst-bridge-parameters>....</vst-bridge-parameters>
</stp-bridge>
```

**Description** Information about STP bridge parameters

### <stp-context-statistics-information>

#### Usage

```
<stp-context-statistics-information>
  <message-type>
    message-type
  </message-type>
  <total-bpdus-sent>
    total-bpdus-sent
```

```
</total-bpdus-sent>
<total-bpdus-received>
  total-bpdus-received
</total-bpdus-received>
<bpdus-sent-5seconds>
  bpdus-sent-5seconds
</bpdus-sent-5seconds>
<bpdus-received-5seconds>
  bpdus-received-5seconds
</bpdus-received-5seconds>
<vstp-statistics>....</vstp-statistics>
</stp-context-statistics-information>
```

**Description** Spanning Tree Protocol statistics at routing instance level

### <stp-instance>

#### Usage

```
<stp-interface-information>
<stp-instance>
  <instance-id>
    instance-id
  </instance-id>
  <vlan-id>
    vlan-id
  </vlan-id>
  <stp-interfaces>....</stp-interfaces>
</stp-instance>
</stp-interface-information>
```

#### Description

### <stp-interface-entry>

#### Usage

```
<stp-interface-entry>
<interface-name>
  interface-name
</interface-name>
<port-priority>
  port-priority
</port-priority>
<port-number>
  port-number
</port-number>
<designated-port-priority>
  designated-port-priority
</designated-port-priority>
<designated-port-number>
  designated-port-number
</designated-port-number>
<port-cost>
  port-cost
```

```

</port-cost>
<port-state>
  port-state
</port-state>
<designated-bridge-priority>
  designated-bridge-priority
</designated-bridge-priority>
<designated-bridge-mac>
  designated-bridge-mac
</designated-bridge-mac>
<port-role>
  port-role
</port-role>
<link-type>
  link-type
</link-type>
<port-migrated-protocol>
  port-migrated-protocol
</port-migrated-protocol>
<boundary-port>
  boundary-port
</boundary-port>
</stp-interface-entry>

```

**Description** Information about Spanning Tree Protocol interface

### <stp-interface-entry>

#### Usage

```

<stp-interface-information>
<stp-instance>
  <stp-interfaces>
    <stp-interface-entry>
      <interface-name>
        interface-name
      </interface-name>
      <port-priority>
        port-priority
      </port-priority>
      <port-number>
        port-number
      </port-number>
      <designated-port-priority>
        designated-port-priority
      </designated-port-priority>
      <designated-port-number>
        designated-port-number
      </designated-port-number>
      <port-cost>
        port-cost
      </port-cost>
      <port-state>
        port-state
      </port-state>
    </stp-interface-entry>
  </stp-interfaces>
</stp-instance>
</stp-interface-information>

```

```
<designated-bridge-priority>
  designated-bridge-priority
</designated-bridge-priority>
<designated-bridge-mac>
  designated-bridge-mac
</designated-bridge-mac>
<port-role>
  port-role
</port-role>
<link-type>
  link-type
</link-type>
<port-migrated-protocol>
  port-migrated-protocol
</port-migrated-protocol>
<boundary-port>
  boundary-port
</boundary-port>
</stp-interface-entry>
</stp-interfaces>
</stp-instance>
</stp-interface-information>
```

**Description** Information about Spanning Tree Protocol interface

### <stp-interface-information>

#### Usage

```
<stp-interface-information>
<stp-instance>....</stp-instance>
</stp-interface-information>
```

**Description** Information about one or more Spanning Tree Protocol interfaces for one or more Spanning Tree Protocol instances

### <stp-interface-statistics>

#### Usage

```
<stp-interface-statistics>
<stp-interface-statistics-entry>....</stp-interface-statistics-entry>
<vstp-interface-statistics>....</vstp-interface-statistics>
</stp-interface-statistics>
```

**Description** Statistics information about one or more STP interfaces

### <stp-interface-statistics-entry>

#### Usage

```
<stp-interface-statistics-entry>
<interface-name>
  interface-name
```



```

</interface-name>
<total-bpdus-sent>
  total-bpdus-sent
</total-bpdus-sent>
<total-bpdus-received>
  total-bpdus-received
</total-bpdus-received>
<next-bpdu-time>
  next-bpdu-time
</next-bpdu-time>
</stp-interface-statistics-entry>

```

**Description** Spanning Tree Protocol interface statistics

### <stp-interface-statistics-entry>

#### Usage

```

<stp-interface-statistics>
  <stp-interface-statistics-entry>
    <interface-name>
      interface-name
    </interface-name>
    <total-bpdus-sent>
      total-bpdus-sent
    </total-bpdus-sent>
    <total-bpdus-received>
      total-bpdus-received
    </total-bpdus-received>
    <next-bpdu-time>
      next-bpdu-time
    </next-bpdu-time>
  </stp-interface-statistics-entry>
</stp-interface-statistics>

```

**Description** Spanning Tree Protocol interface statistics

### <stp-interface-statistics-entry>

#### Usage

```

<stp-interface-statistics>
  <vstp-interface-statistics>
    <stp-interface-statistics-entry>
      <interface-name>
        interface-name
      </interface-name>
      <total-bpdus-sent>
        total-bpdus-sent
      </total-bpdus-sent>
      <total-bpdus-received>
        total-bpdus-received
      </total-bpdus-received>
      <next-bpdu-time>

```

```
    next-bpdu-time
  </next-bpdu-time>
</stp-interface-statistics-entry>
</vstp-interface-statistics>
</stp-interface-statistics>
```

**Description** Spanning Tree Protocol interface statistics

## <stp-interfaces>

### Usage

```
<stp-interface-information>
  <stp-instance>
    <stp-interfaces>
      <stp-interface-entry>....</stp-interface-entry>
    </stp-interfaces>
  </stp-instance>
</stp-interface-information>
```

**Description** Information about one or more Spanning Tree Protocol interfaces

## <stp-kernel-table>

### Usage

```
<stp-kernel-table>
  <stp-kernel-table-entry>....</stp-kernel-table-entry>
</stp-kernel-table>
```

**Description** Information about Spanning Tree Protocol kernel table

## <stp-kernel-table-entry>

### Usage

```
<stp-kernel-table>
  <stp-kernel-table-entry>
    <stp-index>
      stp-index
    </stp-index>
    <kernel-if-name>
      kernel-if-name
    </kernel-if-name>
    <kernel-stp-instance>
      kernel-stp-instance
    </kernel-stp-instance>
    <kernel-state>
      kernel-state
    </kernel-state>
    <kernel-action>
      kernel-action
    </kernel-action>
    <epoch>
```

```

    epoch
  </epoch>
  <hardware-learning>
    hardware-learning
  </hardware-learning>
  <vpls-flush-sequence>
    vpls-flush-sequence
  </vpls-flush-sequence>
  <stp-peer-ip>
    stp-peer-ip
  </stp-peer-ip>
</stp-kernel-table-entry>
</stp-kernel-table>

```

#### Description

<task>

#### Usage

```

<task-information>
  <task>
    <task-name>
      task-name
    </task-name>
    <task-no-information>
      task-no-information
    </task-no-information>
    <task-timer>....</task-timer>
  </task>
</task-information>

```

#### Description

<task>

#### Usage

```

<task-timer-information>
  <task>
    <task-name>
      task-name
    </task-name>
    <task-no-information>
      task-no-information
    </task-no-information>
    <task-timer>....</task-timer>
  </task>
</task-timer-information>

```

#### Description

## &lt;task-block&gt;

## Usage

```
<task-block-list>
  <task-block>
    <tb-name>
      tb-name
    </tb-name>
    <tb-size>
      tb-size
    </tb-size>
    <tb-alloc-size>
      tb-alloc-size
    </tb-alloc-size>
    <tb-terse-transient>
      tb-terse-transient
    </tb-terse-transient>
    <tb-terse-fullpage>
      tb-terse-fullpage
    </tb-terse-fullpage>
    <tb-terse-debug>
      tb-terse-debug
    </tb-terse-debug>
    <tb-alloc-blocks>
      tb-alloc-blocks
    </tb-alloc-blocks>
    <tb-alloc-bytes>
      tb-alloc-bytes
    </tb-alloc-bytes>
    <tb-max-alloc-blocks>
      tb-max-alloc-blocks
    </tb-max-alloc-blocks>
    <tb-max-alloc-bytes>
      tb-max-alloc-bytes
    </tb-max-alloc-bytes>
  </task-block>
</task-block-list>
```

## Description

## &lt;task-block&gt;

## Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>
      <task-block>
        <tb-name>
          tb-name
        </tb-name>
        <tb-size>
          tb-size
        </tb-size>
        <tb-alloc-size>
```

```

        tb-alloc-size
      </tb-alloc-size>
      <tb-terse-transient>
        tb-terse-transient
      </tb-terse-transient>
      <tb-terse-fullpage>
        tb-terse-fullpage
      </tb-terse-fullpage>
      <tb-terse-debug>
        tb-terse-debug
      </tb-terse-debug>
      <tb-alloc-blocks>
        tb-alloc-blocks
      </tb-alloc-blocks>
      <tb-alloc-bytes>
        tb-alloc-bytes
      </tb-alloc-bytes>
      <tb-max-alloc-blocks>
        tb-max-alloc-blocks
      </tb-max-alloc-blocks>
      <tb-max-alloc-bytes>
        tb-max-alloc-bytes
      </tb-max-alloc-bytes>
    </task-block>
  </task-block-list>
</task-memory-allocator-report>
</task-memory-information>

```

**Description****<task-block-list>****Usage**

```

<task-block-list>
  <task-block>....</task-block>
</task-block-list>

```

**Description****<task-block-list>****Usage**

```

<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>
      <task-block>....</task-block>
    </task-block-list>
  </task-memory-allocator-report>
</task-memory-information>

```

**Description**

## <task-information>

### Usage

```
<task-information>  
<task>....</task>  
</task-information>
```

### Description

## <task-lite-page>

### Usage

```
<task-lite-page-list>  
  <task-lite-page>  
    <tlp-name>  
      tlp-name  
    </tlp-name>  
    <tlp-alloc-pages>  
      tlp-alloc-pages  
    </tlp-alloc-pages>  
    <tlp-alloc-bytes>  
      tlp-alloc-bytes  
    </tlp-alloc-bytes>  
    <tlp-max-alloc-pages>  
      tlp-max-alloc-pages  
    </tlp-max-alloc-pages>  
    <tlp-max-alloc-bytes>  
      tlp-max-alloc-bytes  
    </tlp-max-alloc-bytes>  
  </task-lite-page>  
</task-lite-page-list>
```

### Description

## <task-lite-page>

### Usage

```
<task-memory-information>  
  <task-memory-allocator-report>  
    <task-lite-page-list>  
      <task-lite-page>  
        <tlp-name>  
          tlp-name  
        </tlp-name>  
        <tlp-alloc-pages>  
          tlp-alloc-pages  
        </tlp-alloc-pages>  
        <tlp-alloc-bytes>  
          tlp-alloc-bytes  
        </tlp-alloc-bytes>  
        <tlp-max-alloc-pages>  
          tlp-max-alloc-pages  
        </tlp-max-alloc-pages>
```

```

    <tlp-max-alloc-bytes>
      tlp-max-alloc-bytes
    </tlp-max-alloc-bytes>
  </task-lite-page>
</task-lite-page-list>
</task-memory-allocator-report>
</task-memory-information>

```

#### Description

### <task-lite-page-list>

#### Usage

```

<task-lite-page-list>
  <task-lite-page>....</task-lite-page>
</task-lite-page-list>

```

#### Description

### <task-lite-page-list>

#### Usage

```

<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>....</task-lite-page>
    </task-lite-page-list>
  </task-memory-allocator-report>
</task-memory-information>

```

#### Description

### <task-malloc>

#### Usage

```

<task-malloc-list>
  <task-malloc>
    <tm-name>
      tm-name
    </tm-name>
    <tm-allocs>
      tm-allocs
    </tm-allocs>
    <tm-alloc-bytes>
      tm-alloc-bytes
    </tm-alloc-bytes>
    <tm-max-allocs>
      tm-max-allocs
    </tm-max-allocs>
    <tm-max-alloc-bytes>
      tm-max-alloc-bytes
    </tm-max-alloc-bytes>
    <tm-function-calls>

```

```
tm-function-calls
</tm-function-calls>
</task-malloc>
</task-malloc-list>
```

#### Description

### <task-malloc>

#### Usage

```
<task-memory-information>
<task-memory-malloc-usage-report>
<task-malloc-list>
<task-malloc>
  <tm-name>
    tm-name
  </tm-name>
  <tm-allocs>
    tm-allocs
  </tm-allocs>
  <tm-alloc-bytes>
    tm-alloc-bytes
  </tm-alloc-bytes>
  <tm-max-allocs>
    tm-max-allocs
  </tm-max-allocs>
  <tm-max-alloc-bytes>
    tm-max-alloc-bytes
  </tm-max-alloc-bytes>
  <tm-function-calls>
    tm-function-calls
  </tm-function-calls>
</task-malloc>
</task-malloc-list>
</task-memory-malloc-usage-report>
</task-memory-information>
```

#### Description

### <task-malloc-list>

#### Usage

```
<task-malloc-list>
<task-malloc>....</task-malloc>
</task-malloc-list>
```

#### Description

### <task-malloc-list>

#### Usage

```
<task-memory-information>
<task-memory-malloc-usage-report>
```



```

<task-malloc-list>
  <task-malloc>....</task-malloc>
</task-malloc-list>
</task-memory-malloc-usage-report>
</task-memory-information>

```

## Description

### <task-memory-allocator-report>

#### Usage

```

<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>....</task-block-list>
    <task-lite-page-list>....</task-lite-page-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-allocator-report>
</task-memory-information>

```

## Description

### <task-memory-information>

#### Usage

```

<task-memory-information>
  <task-memory-in-use-size>
    task-memory-in-use-size
  </task-memory-in-use-size>
  <task-memory-in-use-avail>
    task-memory-in-use-avail
  </task-memory-in-use-avail>
  <task-memory-max-size>
    task-memory-max-size
  </task-memory-max-size>
  <task-memory-max-avail>
    task-memory-max-avail
  </task-memory-max-avail>
  <task-memory-max-when>
    task-memory-max-when
  </task-memory-max-when>
  <task-memory-free-size>
    task-memory-free-size
  </task-memory-free-size>
  <task-memory-overall-report>....</task-memory-overall-report>
  <task-memory-allocator-report>....</task-memory-allocator-report>
  <task-memory-malloc-usage-report>....</task-memory-malloc-usage-report>
  <task-memory-dynamic-allocs>
    task-memory-dynamic-allocs
  </task-memory-dynamic-allocs>

```

```
<task-memory-max-dynamic-allocs>
  task-memory-max-dynamic-allocs
</task-memory-max-dynamic-allocs>
<task-memory-bss-bytes>
  task-memory-bss-bytes
</task-memory-bss-bytes>
<task-memory-max-bss-bytes>
  task-memory-max-bss-bytes
</task-memory-max-bss-bytes>
<task-memory-page-data-bytes>
  task-memory-page-data-bytes
</task-memory-page-data-bytes>
<task-memory-max-page-data-bytes>
  task-memory-max-page-data-bytes
</task-memory-max-page-data-bytes>
<task-memory-dir-bytes>
  task-memory-dir-bytes
</task-memory-dir-bytes>
<task-memory-max-dir-bytes>
  task-memory-max-dir-bytes
</task-memory-max-dir-bytes>
<task-memory-total-bytes-in-use>
  task-memory-total-bytes-in-use
</task-memory-total-bytes-in-use>
<task-memory-total-bytes-percent>
  task-memory-total-bytes-percent
</task-memory-total-bytes-percent>
</task-memory-information>
```

#### Description

### <task-memory-malloc-usage-report>

#### Usage

```
<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>....</task-malloc-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-malloc-usage-report>
</task-memory-information>
```

#### Description

### <task-memory-overall-report>

#### Usage

```
<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>....</task-size-block-list>
```

```

<task-memory-stats-list>....</task-memory-stats-list>
<task-memory-total-bytes>
  task-memory-total-bytes
</task-memory-total-bytes>
<task-memory-total-max-bytes>
  task-memory-total-max-bytes
</task-memory-total-max-bytes>
<task-memory-total-free-bytes>
  task-memory-total-free-bytes
</task-memory-total-free-bytes>
</task-memory-overall-report>
</task-memory-information>

```

#### Description

<task-memory-stats>

#### Usage

```

<task-memory-stats>
  <tms-name>
    tms-name
  </tms-name>
  <tms-allocs>
    tms-allocs
  </tms-allocs>
  <tms-mallocs>
    tms-mallocs
  </tms-mallocs>
  <tms-alloc-bytes>
    tms-alloc-bytes
  </tms-alloc-bytes>
  <tms-max-allocs>
    tms-max-allocs
  </tms-max-allocs>
  <tms-max-bytes>
    tms-max-bytes
  </tms-max-bytes>
  <tms-free-bytes>
    tms-free-bytes
  </tms-free-bytes>
</task-memory-stats>

```

#### Description

<task-memory-stats>

#### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-memory-stats-list>
      <task-memory-stats>
        <tms-name>
          tms-name
        </tms-name>

```

```
<tms-allocs>
  tms-allocs
</tms-allocs>
<tms-mallocs>
  tms-mallocs
</tms-mallocs>
<tms-alloc-bytes>
  tms-alloc-bytes
</tms-alloc-bytes>
<tms-max-allocs>
  tms-max-allocs
</tms-max-allocs>
<tms-max-bytes>
  tms-max-bytes
</tms-max-bytes>
<tms-free-bytes>
  tms-free-bytes
</tms-free-bytes>
</task-memory-stats>
</task-memory-stats-list>
</task-memory-overall-report>
</task-memory-information>
```

#### Description

### <task-memory-stats-list>

#### Usage

```
<task-memory-information>
<task-memory-overall-report>
  <task-memory-stats-list>
    <task-memory-stats>....</task-memory-stats>
  </task-memory-stats-list>
</task-memory-overall-report>
</task-memory-information>
```

#### Description

### <task-replication-state>

#### Usage

```
<task-replication-state>
  <task-gres-state>
    task-gres-state
  </task-gres-state>
  <task-re-mode>
    task-re-mode
  </task-re-mode>
  <task-protocol-replication-state>
    task-protocol-replication-state
  </task-protocol-replication-state>
  <task-protocol-replication-name>
    task-protocol-replication-name
  </task-protocol-replication-name>
```

</task-replication-state>

**Description** Current state of task replication

## <task-size-block>

### Usage

```
<task-size-block-list>
<task-size-block>
  <tsb-size>
    tsb-size
  </tsb-size>
  <tsb-terse-transient>
    tsb-terse-transient
  </tsb-terse-transient>
  <tsb-terse-fullpage>
    tsb-terse-fullpage
  </tsb-terse-fullpage>
  <tsb-allocs>
    tsb-allocs
  </tsb-allocs>
  <tsb-mallocs>
    tsb-mallocs
  </tsb-mallocs>
  <tsb-alloc-bytes>
    tsb-alloc-bytes
  </tsb-alloc-bytes>
  <tsb-max-allocs>
    tsb-max-allocs
  </tsb-max-allocs>
  <tsb-max-bytes>
    tsb-max-bytes
  </tsb-max-bytes>
  <tsb-free-bytes>
    tsb-free-bytes
  </tsb-free-bytes>
</task-size-block>
</task-size-block-list>
```

### Description

## <task-size-block>

### Usage

```
<task-memory-information>
<task-memory-overall-report>
  <task-size-block-list>
    <task-size-block>
      <tsb-size>
        tsb-size
      </tsb-size>
      <tsb-terse-transient>
        tsb-terse-transient
```

```

</tsb-terse-transient>
<tsb-terse-fullpage>
  tsb-terse-fullpage
</tsb-terse-fullpage>
<tsb-allocs>
  tsb-allocs
</tsb-allocs>
<tsb-mallocs>
  tsb-mallocs
</tsb-mallocs>
<tsb-alloc-bytes>
  tsb-alloc-bytes
</tsb-alloc-bytes>
<tsb-max-allocs>
  tsb-max-allocs
</tsb-max-allocs>
<tsb-max-bytes>
  tsb-max-bytes
</tsb-max-bytes>
<tsb-free-bytes>
  tsb-free-bytes
</tsb-free-bytes>
</task-size-block>
</task-size-block-list>
</task-memory-overall-report>
</task-memory-information>

```

#### Description

<task-size-block-list>

#### Usage

```

<task-size-block-list>
  <task-size-block>....</task-size-block>
</task-size-block-list>

```

#### Description

<task-size-block-list>

#### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>
      <task-size-block>....</task-size-block>
    </task-size-block-list>
  </task-memory-overall-report>
</task-memory-information>

```

#### Description

## <task-timer>

### Usage

```
<task-information>
  <task>
    <task-timer>
      <timer-name>
        timer-name
      </timer-name>
      <timer-late>
        timer-late
      </timer-late>
      <timer-expires>
        timer-expires
      </timer-expires>
      <timer-jitter>
        timer-jitter
      </timer-jitter>
      <timer-interval>
        timer-interval
      </timer-interval>
      <timer-flags>
        timer-flags
      </timer-flags>
    </task-timer>
  </task>
</task-information>
```

### Description

## <task-timer>

### Usage

```
<task-timer>
  <timer-name>
    timer-name
  </timer-name>
  <timer-late>
    timer-late
  </timer-late>
  <timer-expires>
    timer-expires
  </timer-expires>
  <timer-jitter>
    timer-jitter
  </timer-jitter>
  <timer-interval>
    timer-interval
  </timer-interval>
  <timer-flags>
    timer-flags
  </timer-flags>
</task-timer>
```

**Description****<task-timer>****Usage**

```
<task-timer-information>
  <task>
    <task-timer>
      <timer-name>
        timer-name
      </timer-name>
      <timer-late>
        timer-late
      </timer-late>
      <timer-expires>
        timer-expires
      </timer-expires>
      <timer-jitter>
        timer-jitter
      </timer-jitter>
      <timer-interval>
        timer-interval
      </timer-interval>
      <timer-flags>
        timer-flags
      </timer-flags>
    </task-timer>
  </task>
</task-timer-information>
```

**Description****<task-timer-information>****Usage**

```
<task-timer-information>
  <task>....</task>
</task-timer-information>
```

**Description****<this-bridge>****Usage**

```
<cist-bridge-parameters>
  <this-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </this-bridge>
```



```
</cist-bridge-parameters>
```

**Description** ID of bridge

**<this-bridge>**

**Usage**

```
<vst-bridge-parameters>
  <this-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </this-bridge>
</vst-bridge-parameters>
```

**Description** ID of bridge

**<this-bridge>**

**Usage**

```
<msti-bridge-parameters>
  <this-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </this-bridge>
</msti-bridge-parameters>
```

**Description** ID of bridge

**<this-bridge>**

**Usage**

```
<stp-bridge>
  <cist-bridge-parameters>
    <this-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </this-bridge>
  </cist-bridge-parameters>
```

</stp-bridge>

**Description** ID of bridge

### <this-bridge>

#### Usage

```
<stp-bridge>
  <msti-bridge-parameters>
    <this-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </this-bridge>
  </msti-bridge-parameters>
</stp-bridge>
```

**Description** ID of bridge

### <this-bridge>

#### Usage

```
<stp-bridge>
  <vst-bridge-parameters>
    <this-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </this-bridge>
  </vst-bridge-parameters>
</stp-bridge>
```

**Description** ID of bridge

### <vlan-map>

#### Usage

```
<mstp-configuration>
  <vlan-map>
    <vlan-map-entry>....</vlan-map-entry>
  </vlan-map>
</mstp-configuration>
```

## Description

## &lt;vlan-map-entry&gt;

## Usage

```

<mstp-configuration>
  <vlan-map>
    <vlan-map-entry>
      <msti-id>
        msti-id
      </msti-id>
      <vlan-string>
        vlan-string
      </vlan-string>
    </vlan-map-entry>
  </vlan-map>
</mstp-configuration>

```

## Description

## &lt;vst-bridge-parameters&gt;

## Usage

```

<vst-bridge-parameters>
  <vlan-id>
    vlan-id
  </vlan-id>
  <root-bridge>....</root-bridge>
  <root-port>
    root-port
  </root-port>
  <root-cost>
    root-cost
  </root-cost>
  <hello-time-learned>
    hello-time-learned
  </hello-time-learned>
  <max-age-learned>
    max-age-learned
  </max-age-learned>
  <forward-delay-learned>
    forward-delay-learned
  </forward-delay-learned>
  <msg-age>
    msg-age
  </msg-age>
  <time-since-last-tc>
    time-since-last-tc
  </time-since-last-tc>
  <topology-change-count>
    topology-change-count
  </topology-change-count>
  <extended-system-id>
    extended-system-id
  </extended-system-id>

```

```
<this-bridge>....</this-bridge>
<hello-time-configured>
  hello-time-configured
</hello-time-configured>
<max-age-configured>
  max-age-configured
</max-age-configured>
<forward-delay-configured>
  forward-delay-configured
</forward-delay-configured>
<path-cost-method>
  path-cost-method
</path-cost-method>
</vst-bridge-parameters>
```

**Description** STP bridge parameters for VLAN Spanning Tree

### <vst-bridge-parameters>

#### Usage

```
<stp-bridge>
<vst-bridge-parameters>
  <vlan-id>
    vlan-id
  </vlan-id>
  <root-bridge>....</root-bridge>
  <root-port>
    root-port
  </root-port>
  <root-cost>
    root-cost
  </root-cost>
  <hello-time-learned>
    hello-time-learned
  </hello-time-learned>
  <max-age-learned>
    max-age-learned
  </max-age-learned>
  <forward-delay-learned>
    forward-delay-learned
  </forward-delay-learned>
  <msg-age>
    msg-age
  </msg-age>
  <time-since-last-tc>
    time-since-last-tc
  </time-since-last-tc>
  <topology-change-count>
    topology-change-count
  </topology-change-count>
  <extended-system-id>
    extended-system-id
  </extended-system-id>
</vst-bridge-parameters>
</stp-bridge>....</stp-bridge>
```

```

<hello-time-configured>
  hello-time-configured
</hello-time-configured>
<max-age-configured>
  max-age-configured
</max-age-configured>
<forward-delay-configured>
  forward-delay-configured
</forward-delay-configured>
<path-cost-method>
  path-cost-method
</path-cost-method>
</vst-bridge-parameters>
</stp-bridge>

```

**Description** STP bridge parameters for VLAN Spanning Tree

### <vstp-interface-statistics>

#### Usage

```

<stp-interface-statistics>
  <vstp-interface-statistics>
    <vlan-id>
      vlan-id
    </vlan-id>
    <stp-interface-statistics-entry>....</stp-interface-statistics-entry>
  </vstp-interface-statistics>
</stp-interface-statistics>

```

**Description** Statistics information about one or more VLAN STP interfaces

### <vstp-statistics>

#### Usage

```

<vstp-statistics>
  <vlan-id>
    vlan-id
  </vlan-id>
  <message-type>
    message-type
  </message-type>
  <total-bpdus-sent>
    total-bpdus-sent
  </total-bpdus-sent>
  <total-bpdus-received>
    total-bpdus-received
  </total-bpdus-received>
  <bpdus-sent-5seconds>
    bpdus-sent-5seconds
  </bpdus-sent-5seconds>
  <bpdus-received-5seconds>
    bpdus-received-5seconds

```

```
</bpdus-received-5seconds>
</vstp-statistics>
```

**Description** VLAN Spanning Tree Protocol statistics

### <vstp-statistics>

#### Usage

```
<stp-context-statistics-information>
  <vstp-statistics>
    <vlan-id>
      vlan-id
    </vlan-id>
    <message-type>
      message-type
    </message-type>
    <total-bpdus-sent>
      total-bpdus-sent
    </total-bpdus-sent>
    <total-bpdus-received>
      total-bpdus-received
    </total-bpdus-received>
    <bpdus-sent-5seconds>
      bpdus-sent-5seconds
    </bpdus-sent-5seconds>
    <bpdus-received-5seconds>
      bpdus-received-5seconds
    </bpdus-received-5seconds>
  </vstp-statistics>
</stp-context-statistics-information>
```

**Description** VLAN Spanning Tree Protocol statistics

## CHAPTER 13

# Operational Response Tag Elements Common to EX Series, J Series, QFX Series, and SRX Series

This chapter lists the Extensible Markup Language (XML) tag elements in the Junos XML application programming interface (API) that contain operational information. The Junos XML protocol and NETCONF servers return them in response to requests from client applications.

The tags listed in this chapter are common to devices belonging to the following platforms:

- EX Series
- J Series
- QFX Series
- SRX Series

The tags are divided into the following sections and listed in alphabetical order within each section.

- [Summary of Autoinstallation Response Tags on page 7124](#)
- [Summary of DHCP Response Tags on page 7125](#)
- [Summary of IGMP Snooping Response Tags on page 7141](#)
- [Summary of LLDP Response Tags on page 7189](#)
- [Summary of Tags on page 7249](#)
- [Summary of Tags on page 7249](#)
- [Summary of Tags on page 7249](#)
- [Summary of Tags on page 7249](#)
- [Summary of Tags on page 7249](#)
- [Summary of Tags on page 7249](#)

## Summary of Autoinstallation Response Tags

---

### <autoinstallation-status-information>

**Usage**

```
<autoinstallation-status-information>
  <master-state>
    master-state
  </master-state>
  <last-configuration-filename>
    last-configuration-filename
  </last-configuration-filename>
  <last-configuration-server>
    last-configuration-server
  </last-configuration-server>

  <autoinstallation-status-interface-information>....</autoinstallation-status-interface-information>

</autoinstallation-status-information>
```

**Description** Autoinstallation status

### <autoinstallation-status-interface-address-information>

**Usage**

```
<autoinstallation-status-information>
  <autoinstallation-status-interface-information>
    <autoinstallation-status-interface-address-information>
      <protocol-name>
        protocol-name
      </protocol-name>
      <protocol-address>
        protocol-address
      </protocol-address>
    </autoinstallation-status-interface-address-information>
  </autoinstallation-status-interface-information>
</autoinstallation-status-information>
```

**Description** Autoinstallation status for address acquisition protocols on a particular interface

### <autoinstallation-status-interface-information>

**Usage**

```
<autoinstallation-status-information>
  <autoinstallation-status-interface-information>
    <interface-name>
      interface-name
    </interface-name>
    <interface-state>
      interface-state
    </interface-state>
```



```

    <interface-acquired-address>
      interface-acquired-address
    </interface-acquired-address>
    <interface-acquired-hostname>
      interface-acquired-hostname
    </interface-acquired-hostname>
    <interface-acquired-hostname-source>
      interface-acquired-hostname-source
    </interface-acquired-hostname-source>
    <interface-acquired-configuration-filename>
      interface-acquired-configuration-filename
    </interface-acquired-configuration-filename>
    <interface-acquired-configuration-server>
      interface-acquired-configuration-server
    </interface-acquired-configuration-server>

    <autoinstallation-status-interface-address-information>_</autoinstallation-status-interface-address-information>

    </autoinstallation-status-interface-information>
  </autoinstallation-status-information>

```

**Description** Autoinstallation status for a particular interface

## Summary of DHCP Response Tags

### <client-identifier>

#### Usage

```

<dhcp-binding-information>
  <dhcp-binding>
    <client-identifier>
      <hex-data>
        hex-data
      </hex-data>
      <hex-data-line>
        hex-data-line
      </hex-data-line>
      <printable-data-line>
        printable-data-line
      </printable-data-line>
    </client-identifier>
  </dhcp-binding>
</dhcp-binding-information>

```

**Description** Identifier that the DHCP client provided for itself when it requested an address assignment

### <dhcp-binding>

#### Usage

```

<dhcp-binding-information>
  <dhcp-binding>
    <allocated-address>

```

```
    allocated-address
  </allocated-address>
  <mac-address>
    mac-address
  </mac-address>
  <dhcp-lease-binding-type>
    dhcp-lease-binding-type
  </dhcp-lease-binding-type>
  <lease-end-time>
    lease-end-time
  </lease-end-time>
  <lease-state>
    lease-state
  </lease-state>
  <dhcp-option-table>....</dhcp-option-table>
  <address-pool-name>
    address-pool-name
  </address-pool-name>
  <interface-name>
    interface-name
  </interface-name>
  <bootp-relay-address>
    bootp-relay-address
  </bootp-relay-address>
  <dhcp-lease-information>....</dhcp-lease-information>
  <client-identifier>....</client-identifier>
</dhcp-binding>
</dhcp-binding-information>
```

**Description** Information about the address assigned to a Dynamic Host Configuration Protocol client

### <dhcp-binding-information>

#### Usage

```
<dhcp-binding-information>
  <dhcp-binding>....</dhcp-binding>
</dhcp-binding-information>
```

**Description** Information about the address assigned to each of one or more Dynamic Host Configuration Protocol clients

### <dhcp-client>

#### Usage

```
<dhcp-client-information>
  <dhcp-client>
    <logical-interface>
      logical-interface
    </logical-interface>
    <mac-address>
      mac-address
    </mac-address>
```

```

<client-status>
  client-status
</client-status>
<vendor-identifier>
  vendor-identifier
</vendor-identifier>
<server-address>
  server-address
</server-address>
<address-obtained>
  address-obtained
</address-obtained>
<update-server>
  update-server
</update-server>
<lease-obtained>
  lease-obtained
</lease-obtained>
<lease-expires>
  lease-expires
</lease-expires>
<dhcp-option-table>....</dhcp-option-table>
</dhcp-client>
</dhcp-client-information>

```

**Description** Information about a DHCP client

### <dhcp-client-information>

#### Usage

```

<dhcp-client-information>
  <dhcp-client>....</dhcp-client>
</dhcp-client-information>

```

**Description** Information about one or more Dynamic Host Configuration Protocol clients

### <dhcp-client-statistics-information>

#### Usage

```

<dhcp-client-statistics-information>
  <dropped-client-packet-total>
    dropped-client-packet-total
  </dropped-client-packet-total>
  <dropped-client-packet-invalid-server-address>
    dropped-client-packet-invalid-server-address
  </dropped-client-packet-invalid-server-address>
  <dropped-client-packet-too-short>
    dropped-client-packet-too-short
  </dropped-client-packet-too-short>
  <dropped-client-packet-read-error>
    dropped-client-packet-read-error
  </dropped-client-packet-read-error>

```

```
<dropped-client-packet-send-error>
  dropped-client-packet-send-error
</dropped-client-packet-send-error>
<message-client-table>....</message-client-table>
</dhcp-client-statistics-information>
```

**Description** Statistics from the Dynamic Host Configuration Protocol client

## <dhcp-conflict>

### Usage

```
<dhcp-conflict>
  <detection-time>
    detection-time
  </detection-time>
  <detection-method>
    detection-method
  </detection-method>
  <conflict-address>
    conflict-address
  </conflict-address>
</dhcp-conflict>
```

**Description** Information about a Dynamic Host Configuration Protocol conflict. A conflict arises when an address assigned to DHCP client is already assigned to another entity (computer or interface, for example).

## <dhcp-conflict>

### Usage

```
<dhcp-conflict-information>
  <dhcp-conflict>
    <detection-time>
      detection-time
    </detection-time>
    <detection-method>
      detection-method
    </detection-method>
    <conflict-address>
      conflict-address
    </conflict-address>
  </dhcp-conflict>
</dhcp-conflict-information>
```

**Description** Information about a Dynamic Host Configuration Protocol conflict. A conflict arises when an address assigned to DHCP client is already assigned to another entity (computer or interface, for example).

### <dhcp-conflict-information>

**Usage**

```
<dhcp-conflict-information>
  <dhcp-conflict>....</dhcp-conflict>
</dhcp-conflict-information>
```

**Description** Information about one or more Dynamic Host Configuration Protocol conflicts.

### <dhcp-global-information>

**Usage**

```
<dhcp-global-information>
  <dhcp-lease-time-information>....</dhcp-lease-time-information>
  <dhcp-option-table>....</dhcp-option-table>
  <bootp-lease-length>
    bootp-lease-length
  </bootp-lease-length>
  <bootp-lease-cutoff>
    bootp-lease-cutoff
  </bootp-lease-cutoff>
</dhcp-global-information>
```

**Description** Information about Dynamic Host Configuration Protocol settings that are configured for the global scope

### <dhcp-helper-statistics>

**Usage**

```
<dhcp-helper-statistics>
  <helper-statistics-service-information>....</helper-statistics-service-information>

</dhcp-helper-statistics>
```

**Description** Port forwarding helper statistics

### <dhcp-lease-information>

**Usage**

```
<dhcp-lease-information>
  <dhcp-lease-type>
    dhcp-lease-type
  </dhcp-lease-type>
  <lease-start-time>
    lease-start-time
  </lease-start-time>
  <lease-end-time>
    lease-end-time
  </lease-end-time>
  <lease-state>
```

```
    lease-state
  </lease-state>
</dhcp-lease-information>
```

**Description** Information about an address assignment

### <dhcp-lease-information>

#### Usage

```
<dhcp-binding-information>
  <dhcp-binding>
    <dhcp-lease-information>
      <dhcp-lease-type>
        dhcp-lease-type
      </dhcp-lease-type>
      <lease-start-time>
        lease-start-time
      </lease-start-time>
      <lease-end-time>
        lease-end-time
      </lease-end-time>
      <lease-state>
        lease-state
      </lease-state>
    </dhcp-lease-information>
  </dhcp-binding>
</dhcp-binding-information>
```

**Description** Information about an address assignment

### <dhcp-lease-time-information>

#### Usage

```
<dhcp-lease-time-information>
  <default-lease-time>
    default-lease-time
  </default-lease-time>
  <minimum-lease-time>
    minimum-lease-time
  </minimum-lease-time>
  <maximum-lease-time>
    maximum-lease-time
  </maximum-lease-time>
</dhcp-lease-time-information>
```

**Description** Information about configured default, maximum, and minimum duration for address assignments

### <dhcp-lease-time-information>

#### Usage

```
<dhcp-pool-information>
<dhcp-pool>
  <dhcp-lease-time-information>
    <default-lease-time>
      default-lease-time
    </default-lease-time>
    <minimum-lease-time>
      minimum-lease-time
    </minimum-lease-time>
    <maximum-lease-time>
      maximum-lease-time
    </maximum-lease-time>
  </dhcp-lease-time-information>
</dhcp-pool>
</dhcp-pool-information>
```

**Description** Information about configured default, maximum, and minimum duration for address assignments

### <dhcp-lease-time-information>

#### Usage

```
<dhcp-global-information>
  <dhcp-lease-time-information>
    <default-lease-time>
      default-lease-time
    </default-lease-time>
    <minimum-lease-time>
      minimum-lease-time
    </minimum-lease-time>
    <maximum-lease-time>
      maximum-lease-time
    </maximum-lease-time>
  </dhcp-lease-time-information>
</dhcp-global-information>
```

**Description** Information about configured default, maximum, and minimum duration for address assignments

### <dhcp-option>

#### Usage

```
<dhcp-option>
  <dhcp-option-code>
    dhcp-option-code
  </dhcp-option-code>
  <dhcp-option-name>
    dhcp-option-name
```

```
</dhcp-option-name>
<dhcp-option-type>
  dhcp-option-type
</dhcp-option-type>
<dhcp-option-value>
  dhcp-option-value
</dhcp-option-value>
</dhcp-option>
```

**Description** Information about a Dynamic Host Configuration Protocol option that is associated with the address assignment

### <dhcp-option>

#### Usage

```
<dhcp-option-table>
<dhcp-option>
  <dhcp-option-code>
    dhcp-option-code
  </dhcp-option-code>
  <dhcp-option-name>
    dhcp-option-name
  </dhcp-option-name>
  <dhcp-option-type>
    dhcp-option-type
  </dhcp-option-type>
  <dhcp-option-value>
    dhcp-option-value
  </dhcp-option-value>
</dhcp-option>
</dhcp-option-table>
```

**Description** Information about a Dynamic Host Configuration Protocol option that is associated with the address assignment

### <dhcp-option>

#### Usage

```
<dhcp-binding-information>
<dhcp-binding>
  <dhcp-option-table>
    <dhcp-option>
      <dhcp-option-code>
        dhcp-option-code
      </dhcp-option-code>
      <dhcp-option-name>
        dhcp-option-name
      </dhcp-option-name>
      <dhcp-option-type>
        dhcp-option-type
      </dhcp-option-type>
      <dhcp-option-value>
```



```
        dhcp-option-value
      </dhcp-option-value>
    </dhcp-option>
  </dhcp-option-table>
</dhcp-binding>
</dhcp-binding-information>
```

**Description** Information about a Dynamic Host Configuration Protocol option that is associated with the address assignment

### <dhcp-option>

#### Usage

```
<dhcp-pool-information>
  <dhcp-pool>
    <dhcp-option-table>
      <dhcp-option>
        <dhcp-option-code>
          dhcp-option-code
        </dhcp-option-code>
        <dhcp-option-name>
          dhcp-option-name
        </dhcp-option-name>
        <dhcp-option-type>
          dhcp-option-type
        </dhcp-option-type>
        <dhcp-option-value>
          dhcp-option-value
        </dhcp-option-value>
      </dhcp-option>
    </dhcp-option-table>
  </dhcp-pool>
</dhcp-pool-information>
```

**Description** Information about a Dynamic Host Configuration Protocol option that is associated with the address assignment

### <dhcp-option>

#### Usage

```
<dhcp-global-information>
  <dhcp-option-table>
    <dhcp-option>
      <dhcp-option-code>
        dhcp-option-code
      </dhcp-option-code>
      <dhcp-option-name>
        dhcp-option-name
      </dhcp-option-name>
      <dhcp-option-type>
        dhcp-option-type
      </dhcp-option-type>
```

```
<dhcp-option-value>
  dhcp-option-value
</dhcp-option-value>
</dhcp-option>
</dhcp-option-table>
</dhcp-global-information>
```

**Description** Information about a Dynamic Host Configuration Protocol option that is associated with the address assignment

### <dhcp-option>

#### Usage

```
<dhcp-client-information>
  <dhcp-client>
    <dhcp-option-table>
      <dhcp-option>
        <dhcp-option-code>
          dhcp-option-code
        </dhcp-option-code>
        <dhcp-option-name>
          dhcp-option-name
        </dhcp-option-name>
        <dhcp-option-type>
          dhcp-option-type
        </dhcp-option-type>
        <dhcp-option-value>
          dhcp-option-value
        </dhcp-option-value>
      </dhcp-option>
    </dhcp-option-table>
  </dhcp-client>
</dhcp-client-information>
```

**Description** Information about a Dynamic Host Configuration Protocol option that is associated with the address assignment

### <dhcp-option-table>

#### Usage

```
<dhcp-option-table>
  <dhcp-option>....</dhcp-option>
</dhcp-option-table>
```

**Description** Information about one or more Dynamic Host Configuration Protocol options that are associated with the address assignment

### <dhcp-option-table>

**Usage**

```
<dhcp-binding-information>
  <dhcp-binding>
    <dhcp-option-table>
      <dhcp-option>....</dhcp-option>
    </dhcp-option-table>
  </dhcp-binding>
</dhcp-binding-information>
```

**Description** Information about one or more Dynamic Host Configuration Protocol options that are associated with the address assignment

### <dhcp-option-table>

**Usage**

```
<dhcp-pool-information>
  <dhcp-pool>
    <dhcp-option-table>
      <dhcp-option>....</dhcp-option>
    </dhcp-option-table>
  </dhcp-pool>
</dhcp-pool-information>
```

**Description** Information about one or more Dynamic Host Configuration Protocol options that are associated with the address assignment

### <dhcp-option-table>

**Usage**

```
<dhcp-global-information>
  <dhcp-option-table>
    <dhcp-option>....</dhcp-option>
  </dhcp-option-table>
</dhcp-global-information>
```

**Description** Information about one or more Dynamic Host Configuration Protocol options that are associated with the address assignment

### <dhcp-option-table>

**Usage**

```
<dhcp-client-information>
  <dhcp-client>
    <dhcp-option-table>
      <dhcp-option>....</dhcp-option>
    </dhcp-option-table>
  </dhcp-client>
```

</dhcp-client-information>

**Description** Information about one or more Dynamic Host Configuration Protocol options that are associated with the address assignment

## <dhcp-pool>

### Usage

```
<dhcp-pool-information>
  <dhcp-pool>
    <address-pool-name>
      address-pool-name
    </address-pool-name>
    <address-pool-low-address>
      address-pool-low-address
    </address-pool-low-address>
    <address-pool-high-address>
      address-pool-high-address
    </address-pool-high-address>
    <address-pool-excluded-address>
      address-pool-excluded-address
    </address-pool-excluded-address>
    <dhcp-lease-time-information>....</dhcp-lease-time-information>
    <dhcp-option-table>....</dhcp-option-table>
    <address-count>
      address-count
    </address-count>
    <assigned-lease-count>
      assigned-lease-count
    </assigned-lease-count>
    <active-lease-count>
      active-lease-count
    </active-lease-count>
    <offered-lease-count>
      offered-lease-count
    </offered-lease-count>
    <expired-lease-count>
      expired-lease-count
    </expired-lease-count>
    <conflict-count>
      conflict-count
    </conflict-count>
    <exclusion-count>
      exclusion-count
    </exclusion-count>
  </dhcp-pool>
</dhcp-pool-information>
```

**Description** Information about a Dynamic Host Configuration Protocol address pool

## <dhcp-pool-information>

### Usage

```
<dhcp-pool-information>
<dhcp-pool>....</dhcp-pool>
</dhcp-pool-information>
```

**Description** Information about one or more Dynamic Host Configuration Protocol address pools

## <dhcp-statistics-information>

### Usage

```
<dhcp-statistics-information>
<dropped-packet-total>
  dropped-packet-total
</dropped-packet-total>
<dropped-packet-bad-hardware>
  dropped-packet-bad-hardware
</dropped-packet-bad-hardware>
<dropped-packet-bad-opcode>
  dropped-packet-bad-opcode
</dropped-packet-bad-opcode>
<dropped-packet-bad-options>
  dropped-packet-bad-options
</dropped-packet-bad-options>
<dropped-packet-invalid-server-address>
  dropped-packet-invalid-server-address
</dropped-packet-invalid-server-address>
<dropped-packet-no-addresses>
  dropped-packet-no-addresses
</dropped-packet-no-addresses>
<dropped-packet-no-interface>
  dropped-packet-no-interface
</dropped-packet-no-interface>
<dropped-packet-no-routing-instance>
  dropped-packet-no-routing-instance
</dropped-packet-no-routing-instance>
<dropped-packet-no-local-address>
  dropped-packet-no-local-address
</dropped-packet-no-local-address>
<dropped-packet-too-short>
  dropped-packet-too-short
</dropped-packet-too-short>
<dropped-packet-read-error>
  dropped-packet-read-error
</dropped-packet-read-error>
<dropped-packet-send-error>
  dropped-packet-send-error
</dropped-packet-send-error>
<message-table>....</message-table>
</dhcp-statistics-information>
```

**Description** Statistics from the Dynamic Host Configuration Protocol relay process

### <helper-statistics>

#### Usage

```
<helper-statistics>
  <relay-information>....</relay-information>
</helper-statistics>
```

**Description** Port forwarding helper statistics

### <helper-statistics-service-information>

#### Usage

```
<dhcp-helper-statistics>
  <helper-statistics-service-information>
    <service-name>
      service-name
    </service-name>
    <received-packets>
      received-packets
    </received-packets>
    <forwarded-packets>
      forwarded-packets
    </forwarded-packets>
    <dropped-packets>
      dropped-packets
    </dropped-packets>
    <dropped-packets-no-interface>
      dropped-packets-no-interface
    </dropped-packets-no-interface>
    <dropped-packets-no-rtinst>
      dropped-packets-no-rtinst
    </dropped-packets-no-rtinst>
    <dropped-packets-badread>
      dropped-packets-badread
    </dropped-packets-badread>
    <dropped-packets-badsend>
      dropped-packets-badsend
    </dropped-packets-badsend>
    <dropped-packets-badaddr>
      dropped-packets-badaddr
    </dropped-packets-badaddr>
    <dropped-packets-no-localaddr>
      dropped-packets-no-localaddr
    </dropped-packets-no-localaddr>
    <dropped-packets-no-route>
      dropped-packets-no-route
    </dropped-packets-no-route>
  </helper-statistics-service-information>
</dhcp-helper-statistics>
```

**Description** Port forwarding helper statistics for a particular service

### <message>

#### Usage

```
<dhcp-statistics-information>
  <message-table>
    <message>
      <message-name>
        message-name
      </message-name>
      <message-count>
        message-count
      </message-count>
    </message>
  </message-table>
</dhcp-statistics-information>
```

**Description** Information about a DHCP or BOOTP message

### <message-client>

#### Usage

```
<dhcp-client-statistics-information>
  <message-client-table>
    <message-client>
      <message-client-name>
        message-client-name
      </message-client-name>
      <message-client-count>
        message-client-count
      </message-client-count>
    </message-client>
  </message-client-table>
</dhcp-client-statistics-information>
```

**Description** Information about a DHCP or BOOTP message

### <message-client-table>

#### Usage

```
<dhcp-client-statistics-information>
  <message-client-table>
    <message-client-direction>
      message-client-direction
    </message-client-direction>
    <message-client>....</message-client>
  </message-client-table>
</dhcp-client-statistics-information>
```

**Description** Information about one or more DHCP or bootstrap protocol (BOOTP) messages sent or received by the DHCP client

### <message-table>

#### Usage

```
<dhcp-statistics-information>
  <message-table>
    <message-direction>
      message-direction
    </message-direction>
    <message>....</message>
  </message-table>
</dhcp-statistics-information>
```

**Description** Information about one or more DHCP or bootstrap protocol (BOOTP) messages sent or received by the DHCP relay process

### <relay-information>

#### Usage

```
<helper-statistics>
  <relay-information>
    <bootp-received-packets>
      bootp-received-packets
    </bootp-received-packets>
    <bootp-forwarded-packets>
      bootp-forwarded-packets
    </bootp-forwarded-packets>
    <bootp-dropped-packets>
      bootp-dropped-packets
    </bootp-dropped-packets>
    <bootp-dropped-packets-nointerface>
      bootp-dropped-packets-nointerface
    </bootp-dropped-packets-nointerface>
    <bootp-dropped-packets-nortinst>
      bootp-dropped-packets-nortinst
    </bootp-dropped-packets-nortinst>
    <bootp-dropped-packets-badread>
      bootp-dropped-packets-badread
    </bootp-dropped-packets-badread>
    <bootp-dropped-packets-badsend>
      bootp-dropped-packets-badsend
    </bootp-dropped-packets-badsend>
    <bootp-dropped-packets-badaddr>
      bootp-dropped-packets-badaddr
    </bootp-dropped-packets-badaddr>
    <bootp-dropped-packets-nolocaladdr>
      bootp-dropped-packets-nolocaladdr
    </bootp-dropped-packets-nolocaladdr>
    <bootp-dropped-packets-noroute>
      bootp-dropped-packets-noroute
    </bootp-dropped-packets-noroute>
```



```

    </relay-information>
  </helper-statistics>

```

**Description** Port forwarding helper statistics for a DHCP relay service

## Summary of IGMP Snooping Response Tags

### <bridge-table-group-entry>

#### Usage

```

<bridge-table-group-entry>
  <vlan-id>
    vlan-id
  </vlan-id>
  <vlan-name>
    vlan-name
  </vlan-name>
  <destination>
    destination
  </destination>
  <forward-next-hop>....</forward-next-hop>
  <group-next-hop>....</group-next-hop>
  <inet-references>
    inet-references
  </inet-references>
  <bridge-table-sg-entry>....</bridge-table-sg-entry>
</bridge-table-group-entry>

```

#### Description

### <bridge-table-group-entry>

#### Usage

```

<igmp-snooping-table-bridge>
  <bridge-table-group-entry>
    <vlan-id>
      vlan-id
    </vlan-id>
    <vlan-name>
      vlan-name
    </vlan-name>
    <destination>
      destination
    </destination>
    <forward-next-hop>....</forward-next-hop>
    <group-next-hop>....</group-next-hop>
    <inet-references>
      inet-references
    </inet-references>
    <bridge-table-sg-entry>....</bridge-table-sg-entry>
  </bridge-table-group-entry>
</igmp-snooping-table-bridge>

```

**Description****<bridge-table-group-entry>****Usage**

```
<igmp-snooping-routing-information>
  <igmp-snooping-table-bridge>
    <bridge-table-group-entry>
      <vlan-id>
        vlan-id
      </vlan-id>
      <vlan-name>
        vlan-name
      </vlan-name>
      <destination>
        destination
      </destination>
      <forward-next-hop>....</forward-next-hop>
      <group-next-hop>....</group-next-hop>
      <inet-references>
        inet-references
      </inet-references>
      <bridge-table-sg-entry>....</bridge-table-sg-entry>
    </bridge-table-group-entry>
  </igmp-snooping-table-bridge>
</igmp-snooping-routing-information>
```

**Description****<bridge-table-sg-entry>****Usage**

```
<bridge-table-sg-entry>
  <source>
    source
  </source>
  <next-hop>....</next-hop>
</bridge-table-sg-entry>
```

**Description****<bridge-table-sg-entry>****Usage**

```
<bridge-table-group-entry>
  <bridge-table-sg-entry>
    <source>
      source
    </source>
    <next-hop>....</next-hop>
  </bridge-table-sg-entry>
</bridge-table-group-entry>
```

**Description****<bridge-table-sg-entry>****Usage**

```
<igmp-snooping-table-bridge>
  <bridge-table-group-entry>
    <bridge-table-sg-entry>
      <source>
        source
      </source>
      <next-hop>....</next-hop>
    </bridge-table-sg-entry>
  </bridge-table-group-entry>
</igmp-snooping-table-bridge>
```

**Description****<bridge-table-sg-entry>****Usage**

```
<igmp-snooping-routing-information>
  <igmp-snooping-table-bridge>
    <bridge-table-group-entry>
      <bridge-table-sg-entry>
        <source>
          source
        </source>
        <next-hop>....</next-hop>
      </bridge-table-sg-entry>
    </bridge-table-group-entry>
  </igmp-snooping-table-bridge>
</igmp-snooping-routing-information>
```

**Description****<forward-next-hop>****Usage**

```
<bridge-table-group-entry>
  <forward-next-hop>
    <next-hop>....</next-hop>
  </forward-next-hop>
</bridge-table-group-entry>
```

**Description** Forwarding next-hop

**<forward-next-hop>****Usage**

```
<igmp-snooping-table-bridge>
  <bridge-table-group-entry>
    <forward-next-hop>
```

```
<next-hop>....</next-hop>
</forward-next-hop>
</bridge-table-group-entry>
</igmp-snooping-table-bridge>
```

**Description** Forwarding next-hop

### <forward-next-hop>

**Usage**

```
<igmp-snooping-routing-information>
  <igmp-snooping-table-bridge>
    <bridge-table-group-entry>
      <forward-next-hop>
        <next-hop>....</next-hop>
      </forward-next-hop>
    </bridge-table-group-entry>
  </igmp-snooping-table-bridge>
</igmp-snooping-routing-information>
```

**Description** Forwarding next-hop

### <forward-next-hop>

**Usage**

```
<igmp-snooping-routing-information>
  <forward-next-hop>
    <next-hop>....</next-hop>
  </forward-next-hop>
</igmp-snooping-routing-information>
```

**Description** Forwarding next-hop

### <group-next-hop>

**Usage**

```
<bridge-table-group-entry>
  <group-next-hop>
    <next-hop>....</next-hop>
  </group-next-hop>
</bridge-table-group-entry>
```

**Description** Downstream interfaces for this (\*, g) group

### <group-next-hop>

**Usage**

```
<igmp-snooping-table-bridge>
  <bridge-table-group-entry>
```

```

    <group-next-hop>
      <next-hop>....</next-hop>
    </group-next-hop>
  </bridge-table-group-entry>
</igmp-snooping-table-bridge>

```

**Description** Downstream interfaces for this (\*,g) group

### <group-next-hop>

#### Usage

```

<igmp-snooping-routing-information>
  <igmp-snooping-table-bridge>
    <bridge-table-group-entry>
      <group-next-hop>
        <next-hop>....</next-hop>
      </group-next-hop>
    </bridge-table-group-entry>
  </igmp-snooping-table-bridge>
</igmp-snooping-routing-information>

```

**Description** Downstream interfaces for this (\*,g) group

### <igmp-group-interface>

#### Usage

```

<igmp-group-interface>
  <snooping-interface-name>
    snooping-interface-name
  </snooping-interface-name>
  <timeout>
    timeout
  </timeout>
  <snooping-interface-uptime>
    snooping-interface-uptime
  </snooping-interface-uptime>
  <last-reporter>
    last-reporter
  </last-reporter>
  <query-timer>
    query-timer
  </query-timer>
  <snooping-include-source-v3>
    snooping-include-source-v3
  </snooping-include-source-v3>
  <snooping-exclude-source-v3>
    snooping-exclude-source-v3
  </snooping-exclude-source-v3>
  <flags>
    flags
  </flags>
  <receiver-count>

```

```
    receiver-count
  </receiver-count>
</igmp-group-interface>
```

#### Description

### <igmp-group-interface>

#### Usage

```
<igmp-snooping-group>
  <igmp-group-interface>
    <snooping-interface-name>
      snooping-interface-name
    </snooping-interface-name>
    <timeout>
      timeout
    </timeout>
    <snooping-interface-uptime>
      snooping-interface-uptime
    </snooping-interface-uptime>
    <last-reporter>
      last-reporter
    </last-reporter>
    <query-timer>
      query-timer
    </query-timer>
    <snooping-include-source-v3>
      snooping-include-source-v3
    </snooping-include-source-v3>
    <snooping-exclude-source-v3>
      snooping-exclude-source-v3
    </snooping-exclude-source-v3>
    <flags>
      flags
    </flags>
    <receiver-count>
      receiver-count
    </receiver-count>
  </igmp-group-interface>
</igmp-snooping-group>
```

#### Description

### <igmp-group-interface>

#### Usage

```
<igmp-snooping-membership-information>
  <igmp-snooping-group-vlan>
    <igmp-snooping-group>
      <igmp-group-interface>
        <snooping-interface-name>
          snooping-interface-name
        </snooping-interface-name>
        <timeout>
```

```

        timeout
      </timeout>
      <snooping-interface-uptime>
        snooping-interface-uptime
      </snooping-interface-uptime>
      <last-reporter>
        last-reporter
      </last-reporter>
      <query-timer>
        query-timer
      </query-timer>
      <snooping-include-source-v3>
        snooping-include-source-v3
      </snooping-include-source-v3>
      <snooping-exclude-source-v3>
        snooping-exclude-source-v3
      </snooping-exclude-source-v3>
      <flags>
        flags
      </flags>
      <receiver-count>
        receiver-count
      </receiver-count>
    </igmp-group-interface>
  </igmp-snooping-group>
</igmp-snooping-group-vlan>
</igmp-snooping-membership-information>

```

#### Description

#### <igmp-group-rxlan>

##### Usage

```

<igmp-group-rxlan>
  <snooping-rxlan-name>
    snooping-rxlan-name
  </snooping-rxlan-name>
  <snooping-rxlan-uptime>
    snooping-rxlan-uptime
  </snooping-rxlan-uptime>
</igmp-group-rxlan>

```

#### Description

#### <igmp-group-rxlan>

##### Usage

```

<igmp-snooping-group>
  <igmp-group-rxlan>
    <snooping-rxlan-name>
      snooping-rxlan-name
    </snooping-rxlan-name>
    <snooping-rxlan-uptime>
      snooping-rxlan-uptime
    </snooping-rxlan-uptime>
  </igmp-group-rxlan>

```

```
</snooping-rxlan-uptime>
</igmp-group-rxlan>
</igmp-snooping-group>
```

#### Description

### <igmp-group-rxlan>

#### Usage

```
<igmp-snooping-membership-information>
<igmp-snooping-group-vlan>
<igmp-snooping-group>
  <igmp-group-rxlan>
    <snooping-rxlan-name>
      snooping-rxlan-name
    </snooping-rxlan-name>
    <snooping-rxlan-uptime>
      snooping-rxlan-uptime
    </snooping-rxlan-uptime>
  </igmp-group-rxlan>
</igmp-snooping-group>
</igmp-snooping-group-vlan>
</igmp-snooping-membership-information>
```

#### Description

### <igmp-snooping-global-stats>

#### Usage

```
<igmp-snooping-global-stats>
<bad-length>
  bad-length
</bad-length>
<bad-checksum>
  bad-checksum
</bad-checksum>
<bad-interface>
  bad-interface
</bad-interface>
<not-local>
  not-local
</not-local>
<received-unknowns>
  received-unknowns
</received-unknowns>
<timed-out>
  timed-out
</timed-out>
<igmp-snooping-statistics>....</igmp-snooping-statistics>
</igmp-snooping-global-stats>
```

#### Description



**<igmp-snooping-global-stats>****Usage**

```

<igmp-snooping-statistics-information>
  <igmp-snooping-global-stats>
    <bad-length>
      bad-length
    </bad-length>
    <bad-checksum>
      bad-checksum
    </bad-checksum>
    <bad-interface>
      bad-interface
    </bad-interface>
    <not-local>
      not-local
    </not-local>
    <received-unknowns>
      received-unknowns
    </received-unknowns>
    <timed-out>
      timed-out
    </timed-out>
  <igmp-snooping-statistics>....</igmp-snooping-statistics>
</igmp-snooping-global-stats>
</igmp-snooping-statistics-information>

```

**Description****<igmp-snooping-group>****Usage**

```

<igmp-snooping-group>
  <destination>
    destination
  </destination>
  <source>
    source
  </source>
  <ttl>
    ttl
  </ttl>
  <router-count>
    router-count
  </router-count>
  <igmp-group-interface>....</igmp-group-interface>
  <igmp-group-rxlan>....</igmp-group-rxlan>
</igmp-snooping-group>

```

**Description** IGMP snooping state machine group

## <igmp-snooping-group>

### Usage

```
<igmp-snooping-membership-information>
  <igmp-snooping-group-vlan>
    <igmp-snooping-group>
      <destination>
        destination
      </destination>
      <source>
        source
      </source>
      <ttl>
        ttl
      </ttl>
      <router-count>
        router-count
      </router-count>
      <igmp-group-interface>....</igmp-group-interface>
      <igmp-group-rxlan>....</igmp-group-rxlan>
    </igmp-snooping-group>
  </igmp-snooping-group-vlan>
</igmp-snooping-membership-information>
```

**Description** IGMP snooping state machine group

## <igmp-snooping-group-vlan>

### Usage

```
<igmp-snooping-membership-information>
  <igmp-snooping-group-vlan>
    <vlan-index>
      vlan-index
    </vlan-index>
    <vlan-name>
      vlan-name
    </vlan-name>
    <vlan-tag>
      vlan-tag
    </vlan-tag>
    <igmp-vlan-router-interface>....</igmp-vlan-router-interface>
    <igmp-snooping-group>....</igmp-snooping-group>
  </igmp-snooping-group-vlan>
</igmp-snooping-membership-information>
```

**Description**

## <igmp-snooping-membership-information>

### Usage

```
<igmp-snooping-membership-information>
  <igmp-snooping-group-vlan>....</igmp-snooping-group-vlan>
```

</igmp-snooping-membership-information>

#### Description

### <igmp-snooping-routing-information>

#### Usage

```
<igmp-snooping-routing-information>
  <igmp-snooping-table-bridge>....</igmp-snooping-table-bridge>
  <igmp-snooping-table-inet>....</igmp-snooping-table-inet>
  <forward-next-hop>....</forward-next-hop>
</igmp-snooping-routing-information>
```

#### Description

### <igmp-snooping-statistics>

#### Usage

```
<igmp-snooping-statistics>
  <received-queries>
    received-queries
  </received-queries>
  <transmitted-queries>
    transmitted-queries
  </transmitted-queries>
  <bad-queries>
    bad-queries
  </bad-queries>
  <received-reports>
    received-reports
  </received-reports>
  <transmitted-reports>
    transmitted-reports
  </transmitted-reports>
  <bad-reports>
    bad-reports
  </bad-reports>
  <received-leaves>
    received-leaves
  </received-leaves>
  <transmitted-leaves>
    transmitted-leaves
  </transmitted-leaves>
  <bad-leaves>
    bad-leaves
  </bad-leaves>
  <received-others>
    received-others
  </received-others>
  <transmitted-others>
    transmitted-others
  </transmitted-others>
  <bad-others>
    bad-others
```

```
</bad-others>
</igmp-snooping-statistics>
```

## Description

### <igmp-snooping-statistics>

#### Usage

```
<igmp-snooping-global-stats>
<igmp-snooping-statistics>
  <received-queries>
    received-queries
  </received-queries>
  <transmitted-queries>
    transmitted-queries
  </transmitted-queries>
  <bad-queries>
    bad-queries
  </bad-queries>
  <received-reports>
    received-reports
  </received-reports>
  <transmitted-reports>
    transmitted-reports
  </transmitted-reports>
  <bad-reports>
    bad-reports
  </bad-reports>
  <received-leaves>
    received-leaves
  </received-leaves>
  <transmitted-leaves>
    transmitted-leaves
  </transmitted-leaves>
  <bad-leaves>
    bad-leaves
  </bad-leaves>
  <received-others>
    received-others
  </received-others>
  <transmitted-others>
    transmitted-others
  </transmitted-others>
  <bad-others>
    bad-others
  </bad-others>
</igmp-snooping-statistics>
</igmp-snooping-global-stats>
```

## Description

## <igmp-snooping-statistics>

### Usage

```

<igmp-snooping-statistics-information>
<igmp-snooping-global-stats>
<igmp-snooping-statistics>
  <received-queries>
    received-queries
  </received-queries>
  <transmitted-queries>
    transmitted-queries
  </transmitted-queries>
  <bad-queries>
    bad-queries
  </bad-queries>
  <received-reports>
    received-reports
  </received-reports>
  <transmitted-reports>
    transmitted-reports
  </transmitted-reports>
  <bad-reports>
    bad-reports
  </bad-reports>
  <received-leaves>
    received-leaves
  </received-leaves>
  <transmitted-leaves>
    transmitted-leaves
  </transmitted-leaves>
  <bad-leaves>
    bad-leaves
  </bad-leaves>
  <received-others>
    received-others
  </received-others>
  <transmitted-others>
    transmitted-others
  </transmitted-others>
  <bad-others>
    bad-others
  </bad-others>
</igmp-snooping-statistics>
</igmp-snooping-global-stats>
</igmp-snooping-statistics-information>

```

### Description

## <igmp-snooping-statistics-information>

### Usage

```

<igmp-snooping-statistics-information>
  <igmp-snooping-global-stats>....</igmp-snooping-global-stats>

```

```
</igmp-snooping-statistics-information>
```

#### Description

### <igmp-snooping-table-bridge>

#### Usage

```
<igmp-snooping-table-bridge>
  <bridge-table-id>
    bridge-table-id
  </bridge-table-id>
  <bridge-table-group-entry>....</bridge-table-group-entry>
</igmp-snooping-table-bridge>
```

#### Description

### <igmp-snooping-table-bridge>

#### Usage

```
<igmp-snooping-routing-information>
  <igmp-snooping-table-bridge>
    <bridge-table-id>
      bridge-table-id
    </bridge-table-id>
    <bridge-table-group-entry>....</bridge-table-group-entry>
  </igmp-snooping-table-bridge>
</igmp-snooping-routing-information>
```

#### Description

### <igmp-snooping-table-inet>

#### Usage

```
<igmp-snooping-table-inet>
  <inet-table-id>
    inet-table-id
  </inet-table-id>
  <inet-table-route-entry>....</inet-table-route-entry>
</igmp-snooping-table-inet>
```

#### Description

### <igmp-snooping-table-inet>

#### Usage

```
<igmp-snooping-routing-information>
  <igmp-snooping-table-inet>
    <inet-table-id>
      inet-table-id
    </inet-table-id>
    <inet-table-route-entry>....</inet-table-route-entry>
  </igmp-snooping-table-inet>
```

```
</igmp-snooping-routing-information>
```

#### Description

### <igmp-snooping-vlan>

#### Usage

```
<igmp-snooping-vlan>
  <vlan-index>
    vlan-index
  </vlan-index>
  <vlan-name>
    vlan-name
  </vlan-name>
  <interface-count>
    interface-count
  </interface-count>
  <group-count>
    group-count
  </group-count>
  <mrouter-count>
    mrouter-count
  </mrouter-count>
  <reporter-count>
    reporter-count
  </reporter-count>
  <rxlan-count>
    rxlan-count
  </rxlan-count>
  <vlan-tag>
    vlan-tag
  </vlan-tag>
  <data-forwarding-internal-vlan>
    data-forwarding-internal-vlan
  </data-forwarding-internal-vlan>
  <vlan-interface>
    vlan-interface
  </vlan-interface>
  <membership-timeout>
    membership-timeout
  </membership-timeout>
  <query-timeout>
    query-timeout
  </query-timeout>
  <igmp-snooping-vlan-member>....</igmp-snooping-vlan-member>
  <igmp-snooping-vlan-rxlan-member>....</igmp-snooping-vlan-rxlan-member>
</igmp-snooping-vlan>
```

#### Description

### <igmp-snooping-vlan>

#### Usage

```
<igmp-snooping-vlan-information>
```

```
<igmp-snooping-vlan>
  <vlan-index>
    vlan-index
  </vlan-index>
  <vlan-name>
    vlan-name
  </vlan-name>
  <interface-count>
    interface-count
  </interface-count>
  <group-count>
    group-count
  </group-count>
  <mrouter-count>
    mrouter-count
  </mrouter-count>
  <reporter-count>
    reporter-count
  </reporter-count>
  <rxlan-count>
    rxlan-count
  </rxlan-count>
  <vlan-tag>
    vlan-tag
  </vlan-tag>
  <data-forwarding-internal-vlan>
    data-forwarding-internal-vlan
  </data-forwarding-internal-vlan>
  <vlan-interface>
    vlan-interface
  </vlan-interface>
  <membership-timeout>
    membership-timeout
  </membership-timeout>
  <query-timeout>
    query-timeout
  </query-timeout>
  <igmp-snooping-vlan-member>....</igmp-snooping-vlan-member>
  <igmp-snooping-vlan-rxlan-member>....</igmp-snooping-vlan-rxlan-member>

</igmp-snooping-vlan>
</igmp-snooping-vlan-information>
```

#### Description

### <igmp-snooping-vlan-information>

#### Usage

```
<igmp-snooping-vlan-information>
  <igmp-snooping-vlan>....</igmp-snooping-vlan>
</igmp-snooping-vlan-information>
```

#### Description



## <igmp-snooping-vlan-member>

### Usage

```
<igmp-snooping-vlan-member>
  <vmember-interface-name>
    vmember-interface-name
  </vmember-interface-name>
  <vmember-tagness>
    vmember-tagness
  </vmember-tagness>
  <vmember-group-count>
    vmember-group-count
  </vmember-group-count>
  <vmember-reporter-count>
    vmember-reporter-count
  </vmember-reporter-count>
  <vmember-is-mrouter>
    vmember-is-mrouter
  </vmember-is-mrouter>
</igmp-snooping-vlan-member>
```

### Description

## <igmp-snooping-vlan-member>

### Usage

```
<igmp-snooping-vlan>
  <igmp-snooping-vlan-member>
    <vmember-interface-name>
      vmember-interface-name
    </vmember-interface-name>
    <vmember-tagness>
      vmember-tagness
    </vmember-tagness>
    <vmember-group-count>
      vmember-group-count
    </vmember-group-count>
    <vmember-reporter-count>
      vmember-reporter-count
    </vmember-reporter-count>
    <vmember-is-mrouter>
      vmember-is-mrouter
    </vmember-is-mrouter>
  </igmp-snooping-vlan-member>
</igmp-snooping-vlan>
```

### Description

## <igmp-snooping-vlan-member>

### Usage

```
<igmp-snooping-vlan-information>
  <igmp-snooping-vlan>
```

```
<igmp-snooping-vlan-member>
  <vmember-interface-name>
    vmember-interface-name
  </vmember-interface-name>
  <vmember-tagness>
    vmember-tagness
  </vmember-tagness>
  <vmember-group-count>
    vmember-group-count
  </vmember-group-count>
  <vmember-reporter-count>
    vmember-reporter-count
  </vmember-reporter-count>
  <vmember-is-mrouter>
    vmember-is-mrouter
  </vmember-is-mrouter>
</igmp-snooping-vlan-member>
</igmp-snooping-vlan>
</igmp-snooping-vlan-information>
```

#### Description

### <igmp-snooping-vlan-rxlan-member>

#### Usage

```
<igmp-snooping-vlan-rxlan-member>
  <vmember-rxlan-name>
    vmember-rxlan-name
  </vmember-rxlan-name>
</igmp-snooping-vlan-rxlan-member>
```

#### Description

### <igmp-snooping-vlan-rxlan-member>

#### Usage

```
<igmp-snooping-vlan>
  <igmp-snooping-vlan-rxlan-member>
    <vmember-rxlan-name>
      vmember-rxlan-name
    </vmember-rxlan-name>
  </igmp-snooping-vlan-rxlan-member>
</igmp-snooping-vlan>
```

#### Description

### <igmp-snooping-vlan-rxlan-member>

#### Usage

```
<igmp-snooping-vlan-information>
  <igmp-snooping-vlan>
    <igmp-snooping-vlan-rxlan-member>
      <vmember-rxlan-name>
```

```

        vmember-rxlan-name
      </vmember-rxlan-name>
    </igmp-snooping-vlan-rxlan-member>
  </igmp-snooping-vlan>
</igmp-snooping-vlan-information>

```

#### Description

### <igmp-vlan-router-interface>

#### Usage

```

<igmp-snooping-membership-information>
  <igmp-snooping-group-vlan>
    <igmp-vlan-router-interface>
      <mrouter-interface-name>
        mrouter-interface-name
      </mrouter-interface-name>
      <mrouter-interface-mode>
        mrouter-interface-mode
      </mrouter-interface-mode>
      <mrouter-interface-uptime>
        mrouter-interface-uptime
      </mrouter-interface-uptime>
      <mrouter-interface-timeout>
        mrouter-interface-timeout
      </mrouter-interface-timeout>
    </igmp-vlan-router-interface>
  </igmp-snooping-group-vlan>
</igmp-snooping-membership-information>

```

#### Description

### <inet-table-route-entry>

#### Usage

```

<inet-table-route-entry>
  <inet-destination>
    inet-destination
  </inet-destination>
  <inet-source>
    inet-source
  </inet-source>
  <mcrt-next-hop-index>
    mcrt-next-hop-index
  </mcrt-next-hop-index>
  <mcrt-next-hop-entry>....</mcrt-next-hop-entry>
  <inet-table-sgv-entry>....</inet-table-sgv-entry>
</inet-table-route-entry>

```

#### Description

## <inet-table-route-entry>

### Usage

```
<igmp-snooping-table-inet>
  <inet-table-route-entry>
    <inet-destination>
      inet-destination
    </inet-destination>
    <inet-source>
      inet-source
    </inet-source>
    <mcrt-next-hop-index>
      mcrt-next-hop-index
    </mcrt-next-hop-index>
    <mcrt-next-hop-entry>....</mcrt-next-hop-entry>
    <inet-table-sgv-entry>....</inet-table-sgv-entry>
  </inet-table-route-entry>
</igmp-snooping-table-inet>
```

### Description

## <inet-table-route-entry>

### Usage

```
<igmp-snooping-routing-information>
  <igmp-snooping-table-inet>
    <inet-table-route-entry>
      <inet-destination>
        inet-destination
      </inet-destination>
      <inet-source>
        inet-source
      </inet-source>
      <mcrt-next-hop-index>
        mcrt-next-hop-index
      </mcrt-next-hop-index>
      <mcrt-next-hop-entry>....</mcrt-next-hop-entry>
      <inet-table-sgv-entry>....</inet-table-sgv-entry>
    </inet-table-route-entry>
  </igmp-snooping-table-inet>
</igmp-snooping-routing-information>
```

### Description

## <inet-table-sgv-entry>

### Usage

```
<inet-table-sgv-entry>
  <sgv-interface-name>
    sgv-interface-name
  </sgv-interface-name>
  <sgv-vlan-name>
    sgv-vlan-name
```

```

</sgv-vlan-name>
<sgv-next-hop-index>
  sgv-next-hop-index
</sgv-next-hop-index>
</inet-table-sgv-entry>

```

#### Description

<inet-table-sgv-entry>

#### Usage

```

<inet-table-route-entry>
  <inet-table-sgv-entry>
    <sgv-interface-name>
      sgv-interface-name
    </sgv-interface-name>
    <sgv-vlan-name>
      sgv-vlan-name
    </sgv-vlan-name>
    <sgv-next-hop-index>
      sgv-next-hop-index
    </sgv-next-hop-index>
  </inet-table-sgv-entry>
</inet-table-route-entry>

```

#### Description

<inet-table-sgv-entry>

#### Usage

```

<igmp-snooping-table-inet>
  <inet-table-route-entry>
    <inet-table-sgv-entry>
      <sgv-interface-name>
        sgv-interface-name
      </sgv-interface-name>
      <sgv-vlan-name>
        sgv-vlan-name
      </sgv-vlan-name>
      <sgv-next-hop-index>
        sgv-next-hop-index
      </sgv-next-hop-index>
    </inet-table-sgv-entry>
  </inet-table-route-entry>
</igmp-snooping-table-inet>

```

#### Description

<inet-table-sgv-entry>

#### Usage

```

<igmp-snooping-routing-information>
  <igmp-snooping-table-inet>

```

```
<inet-table-route-entry>
  <inet-table-sgv-entry>
    <sgv-interface-name>
      sgv-interface-name
    </sgv-interface-name>
    <sgv-vlan-name>
      sgv-vlan-name
    </sgv-vlan-name>
    <sgv-next-hop-index>
      sgv-next-hop-index
    </sgv-next-hop-index>
  </inet-table-sgv-entry>
</inet-table-route-entry>
</igmp-snooping-table-inet>
</igmp-snooping-routing-information>
```

#### Description

<mcrt-next-hop-entry>

#### Usage

```
<mcrt-next-hop-entry>
  <mcrt-nh-interface-index>
    mcrt-nh-interface-index
  </mcrt-nh-interface-index>
  <mcrt-nh-interface-name>
    mcrt-nh-interface-name
  </mcrt-nh-interface-name>
</mcrt-next-hop-entry>
```

#### Description

<mcrt-next-hop-entry>

#### Usage

```
<inet-table-route-entry>
  <mcrt-next-hop-entry>
    <mcrt-nh-interface-index>
      mcrt-nh-interface-index
    </mcrt-nh-interface-index>
    <mcrt-nh-interface-name>
      mcrt-nh-interface-name
    </mcrt-nh-interface-name>
  </mcrt-next-hop-entry>
</inet-table-route-entry>
```

#### Description

<mcrt-next-hop-entry>

#### Usage

```
<igmp-snooping-table-inet>
  <inet-table-route-entry>
```

```

<mcrt-next-hop-entry>
  <mcrt-nh-interface-index>
    mcrt-nh-interface-index
  </mcrt-nh-interface-index>
  <mcrt-nh-interface-name>
    mcrt-nh-interface-name
  </mcrt-nh-interface-name>
</mcrt-next-hop-entry>
</inet-table-route-entry>
</igmp-snooping-table-inet>

```

#### Description

### <mcrt-next-hop-entry>

#### Usage

```

<igmp-snooping-routing-information>
  <igmp-snooping-table-inet>
    <inet-table-route-entry>
      <mcrt-next-hop-entry>
        <mcrt-nh-interface-index>
          mcrt-nh-interface-index
        </mcrt-nh-interface-index>
        <mcrt-nh-interface-name>
          mcrt-nh-interface-name
        </mcrt-nh-interface-name>
      </mcrt-next-hop-entry>
    </inet-table-route-entry>
  </igmp-snooping-table-inet>
</igmp-snooping-routing-information>

```

#### Description

### <next-hop>

#### Usage

```

<next-hop>
  <nh-index>
    nh-index
  </nh-index>
  <next-hop-interface>....</next-hop-interface>
</next-hop>

```

**Description** Layer 2 multicast next-hop

### <next-hop>

#### Usage

```

<bridge-table-sg-entry>
  <next-hop>
    <nh-index>
      nh-index

```

```
</nh-index>
<next-hop-interface>....</next-hop-interface>
</next-hop>
</bridge-table-sg-entry>
```

**Description** Layer 2 multicast next-hop

### <next-hop>

#### Usage

```
<bridge-table-group-entry>
<forward-next-hop>
  <next-hop>
    <nh-index>
      nh-index
    </nh-index>
    <next-hop-interface>....</next-hop-interface>
  </next-hop>
</forward-next-hop>
</bridge-table-group-entry>
```

**Description** Layer 2 multicast next-hop

### <next-hop>

#### Usage

```
<bridge-table-group-entry>
<group-next-hop>
  <next-hop>
    <nh-index>
      nh-index
    </nh-index>
    <next-hop-interface>....</next-hop-interface>
  </next-hop>
</group-next-hop>
</bridge-table-group-entry>
```

**Description** Layer 2 multicast next-hop

### <next-hop>

#### Usage

```
<bridge-table-group-entry>
<bridge-table-sg-entry>
  <next-hop>
    <nh-index>
      nh-index
    </nh-index>
    <next-hop-interface>....</next-hop-interface>
  </next-hop>
</bridge-table-sg-entry>
```



```
</bridge-table-group-entry>
```

**Description** Layer 2 multicast next-hop

### <next-hop>

#### Usage

```
<igmp-snooping-table-bridge>
<bridge-table-group-entry>
  <forward-next-hop>
    <next-hop>
      <nh-index>
        nh-index
      </nh-index>
      <next-hop-interface>....</next-hop-interface>
    </next-hop>
  </forward-next-hop>
</bridge-table-group-entry>
</igmp-snooping-table-bridge>
```

**Description** Layer 2 multicast next-hop

### <next-hop>

#### Usage

```
<igmp-snooping-table-bridge>
<bridge-table-group-entry>
  <group-next-hop>
    <next-hop>
      <nh-index>
        nh-index
      </nh-index>
      <next-hop-interface>....</next-hop-interface>
    </next-hop>
  </group-next-hop>
</bridge-table-group-entry>
</igmp-snooping-table-bridge>
```

**Description** Layer 2 multicast next-hop

### <next-hop>

#### Usage

```
<igmp-snooping-table-bridge>
<bridge-table-group-entry>
  <bridge-table-sg-entry>
    <next-hop>
      <nh-index>
        nh-index
      </nh-index>
      <next-hop-interface>....</next-hop-interface>
```

```
</next-hop>
</bridge-table-sg-entry>
</bridge-table-group-entry>
</igmp-snooping-table-bridge>
```

**Description** Layer 2 multicast next-hop

### <next-hop>

#### Usage

```
<igmp-snooping-routing-information>
<igmp-snooping-table-bridge>
<bridge-table-group-entry>
<forward-next-hop>
  <next-hop>
    <nh-index>
      nh-index
    </nh-index>
    <next-hop-interface>....</next-hop-interface>
  </next-hop>
</forward-next-hop>
</bridge-table-group-entry>
</igmp-snooping-table-bridge>
</igmp-snooping-routing-information>
```

**Description** Layer 2 multicast next-hop

### <next-hop>

#### Usage

```
<igmp-snooping-routing-information>
<igmp-snooping-table-bridge>
<bridge-table-group-entry>
<group-next-hop>
  <next-hop>
    <nh-index>
      nh-index
    </nh-index>
    <next-hop-interface>....</next-hop-interface>
  </next-hop>
</group-next-hop>
</bridge-table-group-entry>
</igmp-snooping-table-bridge>
</igmp-snooping-routing-information>
```

**Description** Layer 2 multicast next-hop

### <next-hop>

#### Usage

```
<igmp-snooping-routing-information>
```

```

<igmp-snooping-table-bridge>
  <bridge-table-group-entry>
    <bridge-table-sg-entry>
      <next-hop>
        <nh-index>
          nh-index
        </nh-index>
        <next-hop-interface>....</next-hop-interface>
      </next-hop>
    </bridge-table-sg-entry>
  </bridge-table-group-entry>
</igmp-snooping-table-bridge>
</igmp-snooping-routing-information>

```

**Description** Layer 2 multicast next-hop

### <next-hop>

#### Usage

```

<igmp-snooping-routing-information>
  <forward-next-hop>
    <next-hop>
      <nh-index>
        nh-index
      </nh-index>
      <next-hop-interface>....</next-hop-interface>
    </next-hop>
  </forward-next-hop>
</igmp-snooping-routing-information>

```

**Description** Layer 2 multicast next-hop

### <next-hop-interface>

#### Usage

```

<next-hop-interface>
  <nh-interface-index>
    nh-interface-index
  </nh-interface-index>
  <nh-interface-name>
    nh-interface-name
  </nh-interface-name>
</next-hop-interface>

```

**Description**

### <next-hop-interface>

#### Usage

```

<next-hop>
  <next-hop-interface>

```

```
<nh-interface-index>  
  nh-interface-index  
</nh-interface-index>  
<nh-interface-name>  
  nh-interface-name  
</nh-interface-name>  
</next-hop-interface>  
</next-hop>
```

#### Description

### <next-hop-interface>

#### Usage

```
<bridge-table-sg-entry>  
  <next-hop>  
    <next-hop-interface>  
      <nh-interface-index>  
        nh-interface-index  
      </nh-interface-index>  
      <nh-interface-name>  
        nh-interface-name  
      </nh-interface-name>  
    </next-hop-interface>  
  </next-hop>  
</bridge-table-sg-entry>
```

#### Description

### <next-hop-interface>

#### Usage

```
<bridge-table-group-entry>  
  <forward-next-hop>  
    <next-hop>  
      <next-hop-interface>  
        <nh-interface-index>  
          nh-interface-index  
        </nh-interface-index>  
        <nh-interface-name>  
          nh-interface-name  
        </nh-interface-name>  
      </next-hop-interface>  
    </next-hop>  
  </forward-next-hop>  
</bridge-table-group-entry>
```

#### Description

### <next-hop-interface>

#### Usage

```
<bridge-table-group-entry>
```

```

<group-next-hop>
  <next-hop>
    <next-hop-interface>
      <nh-interface-index>
        nh-interface-index
      </nh-interface-index>
      <nh-interface-name>
        nh-interface-name
      </nh-interface-name>
    </next-hop-interface>
  </next-hop>
</group-next-hop>
</bridge-table-group-entry>

```

#### Description

#### <next-hop-interface>

##### Usage

```

<bridge-table-group-entry>
  <bridge-table-sg-entry>
    <next-hop>
      <next-hop-interface>
        <nh-interface-index>
          nh-interface-index
        </nh-interface-index>
        <nh-interface-name>
          nh-interface-name
        </nh-interface-name>
      </next-hop-interface>
    </next-hop>
  </bridge-table-sg-entry>
</bridge-table-group-entry>

```

#### Description

#### <next-hop-interface>

##### Usage

```

<igmp-snooping-table-bridge>
  <bridge-table-group-entry>
    <forward-next-hop>
      <next-hop>
        <next-hop-interface>
          <nh-interface-index>
            nh-interface-index
          </nh-interface-index>
          <nh-interface-name>
            nh-interface-name
          </nh-interface-name>
        </next-hop-interface>
      </next-hop>
    </forward-next-hop>
  </bridge-table-group-entry>

```

```
</igmp-snooping-table-bridge>
```

#### Description

### <next-hop-interface>

#### Usage

```
<igmp-snooping-table-bridge>  
<bridge-table-group-entry>  
  <group-next-hop>  
    <next-hop>  
      <next-hop-interface>  
        <nh-interface-index>  
          nh-interface-index  
        </nh-interface-index>  
        <nh-interface-name>  
          nh-interface-name  
        </nh-interface-name>  
      </next-hop-interface>  
    </next-hop>  
  </group-next-hop>  
</bridge-table-group-entry>  
</igmp-snooping-table-bridge>
```

#### Description

### <next-hop-interface>

#### Usage

```
<igmp-snooping-table-bridge>  
<bridge-table-group-entry>  
  <bridge-table-sg-entry>  
    <next-hop>  
      <next-hop-interface>  
        <nh-interface-index>  
          nh-interface-index  
        </nh-interface-index>  
        <nh-interface-name>  
          nh-interface-name  
        </nh-interface-name>  
      </next-hop-interface>  
    </next-hop>  
  </bridge-table-sg-entry>  
</bridge-table-group-entry>  
</igmp-snooping-table-bridge>
```

#### Description

### <next-hop-interface>

#### Usage

```
<igmp-snooping-routing-information>  
  <igmp-snooping-table-bridge>
```

```

<bridge-table-group-entry>
  <forward-next-hop>
    <next-hop>
      <next-hop-interface>
        <nh-interface-index>
          nh-interface-index
        </nh-interface-index>
        <nh-interface-name>
          nh-interface-name
        </nh-interface-name>
      </next-hop-interface>
    </next-hop>
  </forward-next-hop>
</bridge-table-group-entry>
</igmp-snooping-table-bridge>
</igmp-snooping-routing-information>

```

#### Description

#### <next-hop-interface>

##### Usage

```

<igmp-snooping-routing-information>
  <igmp-snooping-table-bridge>
    <bridge-table-group-entry>
      <group-next-hop>
        <next-hop>
          <next-hop-interface>
            <nh-interface-index>
              nh-interface-index
            </nh-interface-index>
            <nh-interface-name>
              nh-interface-name
            </nh-interface-name>
          </next-hop-interface>
        </next-hop>
      </group-next-hop>
    </bridge-table-group-entry>
  </igmp-snooping-table-bridge>
</igmp-snooping-routing-information>

```

#### Description

#### <next-hop-interface>

##### Usage

```

<igmp-snooping-routing-information>
  <igmp-snooping-table-bridge>
    <bridge-table-group-entry>
      <bridge-table-sg-entry>
        <next-hop>
          <next-hop-interface>
            <nh-interface-index>
              nh-interface-index

```

```
</nh-interface-index>
<nh-interface-name>
  nh-interface-name
</nh-interface-name>
</next-hop-interface>
</next-hop>
</bridge-table-sg-entry>
</bridge-table-group-entry>
</igmp-snooping-table-bridge>
</igmp-snooping-routing-information>
```

#### Description

### <next-hop-interface>

#### Usage

```
<igmp-snooping-routing-information>
<forward-next-hop>
<next-hop>
  <next-hop-interface>
    <nh-interface-index>
      nh-interface-index
    </nh-interface-index>
    <nh-interface-name>
      nh-interface-name
    </nh-interface-name>
  </next-hop-interface>
</next-hop>
</forward-next-hop>
</igmp-snooping-routing-information>
```

#### Description

### <task>

#### Usage

```
<task-timer-information>
<task>
  <task-name>
    task-name
  </task-name>
  <task-timer-priority>....</task-timer-priority>
  <task-timer-summary>....</task-timer-summary>
  <task-timer>....</task-timer>
</task>
</task-timer-information>
```

#### Description

### <task-account-information>

#### Usage

```
<task-accounting-information>
```



```

    <task-account-information>
  </task-account-information>
</task-accounting-information>

```

#### Description

### <task-account-status>

#### Usage

```

    <task-accounting-information>
      <task-account-status>
    </task-account-status>
  </task-accounting-information>

```

#### Description

### <task-accounting-information>

#### Usage

```

<task-accounting-information>
  <task-acc-task-name>
    task-acc-task-name
  </task-acc-task-name>
  <task-acc-status>
    task-acc-status
  </task-acc-status>
  <task-acc-task-started>
    task-acc-task-started
  </task-acc-task-started>
  <task-acc-task-user-time>
    task-acc-task-user-time
  </task-acc-task-user-time>
  <task-acc-task-system-time>
    task-acc-task-system-time
  </task-acc-task-system-time>
  <task-acc-task-longest-run>
    task-acc-task-longest-run
  </task-acc-task-longest-run>
  <task-account-status>....</task-account-status>
  <task-account-information>....</task-account-information>
</task-accounting-information>

```

#### Description

### <task-block>

#### Usage

```

<task-block-list>
  <task-block>
    <tb-name>
      tb-name
    </tb-name>
    <tb-size>

```

```
    tb-size
  </tb-size>
  <tb-alloc-size>
    tb-alloc-size
  </tb-alloc-size>
  <tb-terse-transient>
    tb-terse-transient
  </tb-terse-transient>
  <tb-terse-fullpage>
    tb-terse-fullpage
  </tb-terse-fullpage>
  <tb-terse-debug>
    tb-terse-debug
  </tb-terse-debug>
  <tb-alloc-blocks>
    tb-alloc-blocks
  </tb-alloc-blocks>
  <tb-alloc-bytes>
    tb-alloc-bytes
  </tb-alloc-bytes>
  <tb-max-alloc-blocks>
    tb-max-alloc-blocks
  </tb-max-alloc-blocks>
  <tb-max-alloc-bytes>
    tb-max-alloc-bytes
  </tb-max-alloc-bytes>
</task-block>
</task-block-list>
```

## Description

### <task-block>

#### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>
      <task-block>
        <tb-name>
          tb-name
        </tb-name>
        <tb-size>
          tb-size
        </tb-size>
        <tb-alloc-size>
          tb-alloc-size
        </tb-alloc-size>
        <tb-terse-transient>
          tb-terse-transient
        </tb-terse-transient>
        <tb-terse-fullpage>
          tb-terse-fullpage
        </tb-terse-fullpage>
        <tb-terse-debug>
          tb-terse-debug
```

```

</tb-terse-debug>
<tb-alloc-blocks>
  tb-alloc-blocks
</tb-alloc-blocks>
<tb-alloc-bytes>
  tb-alloc-bytes
</tb-alloc-bytes>
<tb-max-alloc-blocks>
  tb-max-alloc-blocks
</tb-max-alloc-blocks>
<tb-max-alloc-bytes>
  tb-max-alloc-bytes
</tb-max-alloc-bytes>
</task-block>
</task-block-list>
</task-memory-allocator-report>
</task-memory-information>

```

#### Description

#### <task-block-list>

##### Usage

```

<task-block-list>
  <task-block>....</task-block>
</task-block-list>

```

#### Description

#### <task-block-list>

##### Usage

```

<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>
      <task-block>....</task-block>
    </task-block-list>
  </task-memory-allocator-report>
</task-memory-information>

```

#### Description

#### <task-io-information>

##### Usage

```

<task-io-information>
  <task-io-task-name>
    task-io-task-name
  </task-io-task-name>
  <task-io-read>
    task-io-read
  </task-io-read>
  <task-io-write>

```

```
task-io-write
</task-io-write>
<task-io-received>
task-io-received
</task-io-received>
<task-io-sent>
task-io-sent
</task-io-sent>
<task-io-dropped>
task-io-dropped
</task-io-dropped>
</task-io-information>
```

#### Description

**<task-jobs-background>**

#### Usage

```
<task-jobs-information>
<task-jobs-background>
</task-jobs-background>
</task-jobs-information>
```

#### Description

**<task-jobs-foreground>**

#### Usage

```
<task-jobs-information>
<task-jobs-foreground>
</task-jobs-foreground>
</task-jobs-information>
```

#### Description

**<task-jobs-information>**

#### Usage

```
<task-jobs-information>
<task-jobs-fg-priority>
task-jobs-fg-priority
</task-jobs-fg-priority>
<task-jobs-fg-task-name>
task-jobs-fg-task-name
</task-jobs-fg-task-name>
<task-jobs-fg-wait>
task-jobs-fg-wait
</task-jobs-fg-wait>
<task-jobs-fg-flags>
task-jobs-fg-flags
</task-jobs-fg-flags>
<task-jobs-bg-priority>
task-jobs-bg-priority
```

```

</task-jobs-bg-priority>
<task-jobs-bg-task-name>
  task-jobs-bg-task-name
</task-jobs-bg-task-name>
<task-jobs-bg-misses>
  task-jobs-bg-misses
</task-jobs-bg-misses>
<task-jobs-bg-runs>
  task-jobs-bg-runs
</task-jobs-bg-runs>
<task-jobs-bg-wait>
  task-jobs-bg-wait
</task-jobs-bg-wait>
<task-jobs-bg-flags>
  task-jobs-bg-flags
</task-jobs-bg-flags>
<task-jobs-foreground>....</task-jobs-foreground>
<task-jobs-background>....</task-jobs-background>
</task-jobs-information>

```

#### Description

#### <task-lite-page>

##### Usage

```

<task-lite-page-list>
  <task-lite-page>
    <tlp-name>
      tlp-name
    </tlp-name>
    <tlp-alloc-pages>
      tlp-alloc-pages
    </tlp-alloc-pages>
    <tlp-alloc-bytes>
      tlp-alloc-bytes
    </tlp-alloc-bytes>
    <tlp-max-alloc-pages>
      tlp-max-alloc-pages
    </tlp-max-alloc-pages>
    <tlp-max-alloc-bytes>
      tlp-max-alloc-bytes
    </tlp-max-alloc-bytes>
  </task-lite-page>
</task-lite-page-list>

```

#### Description

#### <task-lite-page>

##### Usage

```

<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>

```

```
<tlp-name>
  tlp-name
</tlp-name>
<tlp-alloc-pages>
  tlp-alloc-pages
</tlp-alloc-pages>
<tlp-alloc-bytes>
  tlp-alloc-bytes
</tlp-alloc-bytes>
<tlp-max-alloc-pages>
  tlp-max-alloc-pages
</tlp-max-alloc-pages>
<tlp-max-alloc-bytes>
  tlp-max-alloc-bytes
</tlp-max-alloc-bytes>
</task-lite-page>
</task-lite-page-list>
</task-memory-allocator-report>
</task-memory-information>
```

#### Description

### <task-lite-page-list>

#### Usage

```
<task-lite-page-list>
  <task-lite-page>....</task-lite-page>
</task-lite-page-list>
```

#### Description

### <task-lite-page-list>

#### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>....</task-lite-page>
    </task-lite-page-list>
  </task-memory-allocator-report>
</task-memory-information>
```

#### Description

### <task-malloc>

#### Usage

```
<task-malloc-list>
  <task-malloc>
    <tm-name>
      tm-name
    </tm-name>
    <tm-allocs>
```

```

    tm-allocs
  </tm-allocs>
  <tm-alloc-bytes>
    tm-alloc-bytes
  </tm-alloc-bytes>
  <tm-max-allocs>
    tm-max-allocs
  </tm-max-allocs>
  <tm-max-alloc-bytes>
    tm-max-alloc-bytes
  </tm-max-alloc-bytes>
  <tm-function-calls>
    tm-function-calls
  </tm-function-calls>
</task-malloc>
</task-malloc-list>

```

#### Description

<task-malloc>

#### Usage

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>
        <tm-name>
          tm-name
        </tm-name>
        <tm-allocs>
          tm-allocs
        </tm-allocs>
        <tm-alloc-bytes>
          tm-alloc-bytes
        </tm-alloc-bytes>
        <tm-max-allocs>
          tm-max-allocs
        </tm-max-allocs>
        <tm-max-alloc-bytes>
          tm-max-alloc-bytes
        </tm-max-alloc-bytes>
        <tm-function-calls>
          tm-function-calls
        </tm-function-calls>
      </task-malloc>
    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

#### Description

## <task-malloc-list>

### Usage

```
<task-malloc-list>
  <task-malloc>....</task-malloc>
</task-malloc-list>
```

### Description

## <task-malloc-list>

### Usage

```
<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>....</task-malloc>
    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>
```

### Description

## <task-memory-allocator-report>

### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>....</task-block-list>
    <task-lite-page-list>....</task-lite-page-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-allocator-report>
</task-memory-information>
```

### Description

## <task-memory-information>

### Usage

```
<task-memory-information>
  <task-memory-in-use-size>
    task-memory-in-use-size
  </task-memory-in-use-size>
  <task-memory-in-use-avail>
    task-memory-in-use-avail
  </task-memory-in-use-avail>
  <task-memory-max-size>
    task-memory-max-size
```



```

</task-memory-max-size>
<task-memory-max-avail>
  task-memory-max-avail
</task-memory-max-avail>
<task-memory-max-when>
  task-memory-max-when
</task-memory-max-when>
<task-memory-free-size>
  task-memory-free-size
</task-memory-free-size>
<task-memory-overall-report>....</task-memory-overall-report>
<task-memory-allocator-report>....</task-memory-allocator-report>
<task-memory-malloc-usage-report>....</task-memory-malloc-usage-report>
<task-memory-dynamic-allocs>
  task-memory-dynamic-allocs
</task-memory-dynamic-allocs>
<task-memory-max-dynamic-allocs>
  task-memory-max-dynamic-allocs
</task-memory-max-dynamic-allocs>
<task-memory-bss-bytes>
  task-memory-bss-bytes
</task-memory-bss-bytes>
<task-memory-max-bss-bytes>
  task-memory-max-bss-bytes
</task-memory-max-bss-bytes>
<task-memory-page-data-bytes>
  task-memory-page-data-bytes
</task-memory-page-data-bytes>
<task-memory-max-page-data-bytes>
  task-memory-max-page-data-bytes
</task-memory-max-page-data-bytes>
<task-memory-dir-bytes>
  task-memory-dir-bytes
</task-memory-dir-bytes>
<task-memory-max-dir-bytes>
  task-memory-max-dir-bytes
</task-memory-max-dir-bytes>
<task-memory-total-bytes-in-use>
  task-memory-total-bytes-in-use
</task-memory-total-bytes-in-use>
<task-memory-total-bytes-percent>
  task-memory-total-bytes-percent
</task-memory-total-bytes-percent>
</task-memory-information>

```

#### Description

#### <task-memory-malloc-usage-report>

##### Usage

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>....</task-malloc-list>
    <task-memory-total-bytes>
      task-memory-total-bytes

```

```
</task-memory-total-bytes>
<task-memory-total-max-bytes>
  task-memory-total-max-bytes
</task-memory-total-max-bytes>
</task-memory-malloc-usage-report>
</task-memory-information>
```

#### Description

### <task-memory-overall-report>

#### Usage

```
<task-memory-information>
<task-memory-overall-report>
  <task-size-block-list>....</task-size-block-list>
  <task-memory-stats-list>....</task-memory-stats-list>
  <task-memory-total-bytes>
    task-memory-total-bytes
  </task-memory-total-bytes>
  <task-memory-total-max-bytes>
    task-memory-total-max-bytes
  </task-memory-total-max-bytes>
  <task-memory-total-free-bytes>
    task-memory-total-free-bytes
  </task-memory-total-free-bytes>
</task-memory-overall-report>
</task-memory-information>
```

#### Description

### <task-memory-stats>

#### Usage

```
<task-memory-stats>
  <tms-name>
    tms-name
  </tms-name>
  <tms-allocs>
    tms-allocs
  </tms-allocs>
  <tms-mallocs>
    tms-mallocs
  </tms-mallocs>
  <tms-alloc-bytes>
    tms-alloc-bytes
  </tms-alloc-bytes>
  <tms-max-allocs>
    tms-max-allocs
  </tms-max-allocs>
  <tms-max-bytes>
    tms-max-bytes
  </tms-max-bytes>
  <tms-free-bytes>
    tms-free-bytes
```

```

    </tms-free-bytes>
</task-memory-stats>

```

#### Description

### <task-memory-stats>

#### Usage

```

<task-memory-information>
<task-memory-overall-report>
  <task-memory-stats-list>
    <task-memory-stats>
      <tms-name>
        tms-name
      </tms-name>
      <tms-allocs>
        tms-allocs
      </tms-allocs>
      <tms-mallocs>
        tms-mallocs
      </tms-mallocs>
      <tms-alloc-bytes>
        tms-alloc-bytes
      </tms-alloc-bytes>
      <tms-max-allocs>
        tms-max-allocs
      </tms-max-allocs>
      <tms-max-bytes>
        tms-max-bytes
      </tms-max-bytes>
      <tms-free-bytes>
        tms-free-bytes
      </tms-free-bytes>
    </task-memory-stats>
  </task-memory-stats-list>
</task-memory-overall-report>
</task-memory-information>

```

#### Description

### <task-memory-stats-list>

#### Usage

```

<task-memory-information>
<task-memory-overall-report>
  <task-memory-stats-list>
    <task-memory-stats>....</task-memory-stats>
  </task-memory-stats-list>
</task-memory-overall-report>
</task-memory-information>

```

#### Description

## <task-replication-state>

### Usage

```
<task-replication-state>
  <task-gres-state>
    task-gres-state
  </task-gres-state>
  <task-re-mode>
    task-re-mode
  </task-re-mode>
</task-replication-state>
```

**Description** Current state of task replication

## <task-size-block>

### Usage

```
<task-size-block-list>
  <task-size-block>
    <tsb-size>
      tsb-size
    </tsb-size>
    <tsb-terse-transient>
      tsb-terse-transient
    </tsb-terse-transient>
    <tsb-terse-fullpage>
      tsb-terse-fullpage
    </tsb-terse-fullpage>
    <tsb-allocs>
      tsb-allocs
    </tsb-allocs>
    <tsb-mallocs>
      tsb-mallocs
    </tsb-mallocs>
    <tsb-alloc-bytes>
      tsb-alloc-bytes
    </tsb-alloc-bytes>
    <tsb-max-allocs>
      tsb-max-allocs
    </tsb-max-allocs>
    <tsb-max-bytes>
      tsb-max-bytes
    </tsb-max-bytes>
    <tsb-free-bytes>
      tsb-free-bytes
    </tsb-free-bytes>
  </task-size-block>
</task-size-block-list>
```

**Description**

**<task-size-block>****Usage**

```

<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>
      <task-size-block>
        <tsb-size>
          tsb-size
        </tsb-size>
        <tsb-terse-transient>
          tsb-terse-transient
        </tsb-terse-transient>
        <tsb-terse-fullpage>
          tsb-terse-fullpage
        </tsb-terse-fullpage>
        <tsb-allocs>
          tsb-allocs
        </tsb-allocs>
        <tsb-mallocs>
          tsb-mallocs
        </tsb-mallocs>
        <tsb-alloc-bytes>
          tsb-alloc-bytes
        </tsb-alloc-bytes>
        <tsb-max-allocs>
          tsb-max-allocs
        </tsb-max-allocs>
        <tsb-max-bytes>
          tsb-max-bytes
        </tsb-max-bytes>
        <tsb-free-bytes>
          tsb-free-bytes
        </tsb-free-bytes>
      </task-size-block>
    </task-size-block-list>
  </task-memory-overall-report>
</task-memory-information>

```

**Description****<task-size-block-list>****Usage**

```

<task-size-block-list>
  <task-size-block>....</task-size-block>
</task-size-block-list>

```

**Description**

## <task-size-block-list>

### Usage

```
<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>
      <task-size-block>....</task-size-block>
    </task-size-block-list>
  </task-memory-overall-report>
</task-memory-information>
```

### Description

## <task-statistics-information>

### Usage

```
<task-statistics-information>
  <task-stat-event-name>
    task-stat-event-name
  </task-stat-event-name>
  <task-stat-event-count>
    task-stat-event-count
  </task-stat-event-count>
</task-statistics-information>
```

### Description

## <task-summary-information>

### Usage

```
<task-summary-information>
  <task-summary-priority>
    task-summary-priority
  </task-summary-priority>
  <task-summary-task-name>
    task-summary-task-name
  </task-summary-task-name>
  <task-summary-protocol>
    task-summary-protocol
  </task-summary-protocol>
  <task-summary-port>
    task-summary-port
  </task-summary-port>
  <task-summary-socket>
    task-summary-socket
  </task-summary-socket>
  <task-summary-flags>
    task-summary-flags
  </task-summary-flags>
</task-summary-information>
```

### Description

## &lt;task-timer&gt;

## Usage

```
<task-timer>
  <timer-name>
    timer-name
  </timer-name>
  <timer-late>
    timer-late
  </timer-late>
  <timer-expires>
    timer-expires
  </timer-expires>
  <timer-jitter>
    timer-jitter
  </timer-jitter>
  <timer-interval>
    timer-interval
  </timer-interval>
  <timer-flags>
    timer-flags
  </timer-flags>
</task-timer>
```

## Description

## &lt;task-timer&gt;

## Usage

```
<task-timer-information>
  <task>
    <task-timer>
      <timer-name>
        timer-name
      </timer-name>
      <timer-late>
        timer-late
      </timer-late>
      <timer-expires>
        timer-expires
      </timer-expires>
      <timer-jitter>
        timer-jitter
      </timer-jitter>
      <timer-interval>
        timer-interval
      </timer-interval>
      <timer-flags>
        timer-flags
      </timer-flags>
    </task-timer>
  </task>
</task-timer-information>
```

**Description****<task-timer-information>****Usage**

```
<task-timer-information>
  <task>....</task>
</task-timer-information>
```

**Description****<task-timer-priority>****Usage**

```
<task-timer-priority>
  <task-timer-type>
    task-timer-type
  </task-timer-type>
</task-timer-priority>
```

**Description****<task-timer-priority>****Usage**

```
<task-timer-information>
  <task>
    <task-timer-priority>
      <task-timer-type>
        task-timer-type
      </task-timer-type>
    </task-timer-priority>
  </task>
</task-timer-information>
```

**Description****<task-timer-summary>****Usage**

```
<task-timer-summary>
  <task-timer-leaf>
    task-timer-leaf
  </task-timer-leaf>
  <task-timer-parent>
    task-timer-parent
  </task-timer-parent>
  <task-timer-expired>
    task-timer-expired
  </task-timer-expired>
</task-timer-summary>
```



**Description****<task-timer-summary>****Usage**

```
<task-timer-information>
<task>
  <task-timer-summary>
    <task-timer-leaf>
      task-timer-leaf
    </task-timer-leaf>
  <task-timer-parent>
    task-timer-parent
  </task-timer-parent>
  <task-timer-expired>
    task-timer-expired
  </task-timer-expired>
</task-timer-summary>
</task>
</task-timer-information>
```

**Description****<tracing-information>****Usage**

```
<tracing-information>
<flags>
  flags
</flags>
<filename>
  filename
</filename>
<filesize>
  filesize
</filesize>
<filelimit>
  filelimit
</filelimit>
</tracing-information>
```

**Description****Summary of LLDP Response Tags**

---

**<dcbx>****Usage**

```
<dcbx>
<dcbx-interface-information>....</dcbx-interface-information>
<dcbx-global-status>
  dcbx-global-status
</dcbx-global-status>
<dcbx-status-information>....</dcbx-status-information>
```

</dcbx>

#### Description

### <dcbx-feature-application>

#### Usage

```
<dcbx-feature-application>
  <dcbx-feature-common>....</dcbx-feature-common>

  <dcbx-feature-application-advertisement>....</dcbx-feature-application-advertisement>

</dcbx-feature-application>
```

#### Description

### <dcbx-feature-application>

#### Usage

```
<dcbx-interface-information>
  <dcbx-feature-application>
    <dcbx-feature-common>....</dcbx-feature-common>

    <dcbx-feature-application-advertisement>....</dcbx-feature-application-advertisement>

  </dcbx-feature-application>
</dcbx-interface-information>
```

#### Description

### <dcbx-feature-application>

#### Usage

```
<dcbx>
  <dcbx-interface-information>
    <dcbx-feature-application>
      <dcbx-feature-common>....</dcbx-feature-common>

      <dcbx-feature-application-advertisement>....</dcbx-feature-application-advertisement>

    </dcbx-feature-application>
  </dcbx-interface-information>
</dcbx>
```

#### Description

### <dcbx-feature-application-advertisement>

#### Usage

```
<dcbx-feature-application-advertisement>
  <dcbx-feature-advertisement-type>
    dcbx-feature-advertisement-type
```

```

</dcbx-feature-advertisement-type>
<dcbx-feature-flags>....</dcbx-feature-flags>
<dcbx-feature-application-config>....</dcbx-feature-application-config>
</dcbx-feature-application-advertisement>

```

#### Description

### <dcbx-feature-application-advertisement>

#### Usage

```

<dcbx-feature-application>
<dcbx-feature-application-advertisement>
<dcbx-feature-advertisement-type>
  dcbx-feature-advertisement-type
</dcbx-feature-advertisement-type>
<dcbx-feature-flags>....</dcbx-feature-flags>
<dcbx-feature-application-config>....</dcbx-feature-application-config>
</dcbx-feature-application-advertisement>
</dcbx-feature-application>

```

#### Description

### <dcbx-feature-application-advertisement>

#### Usage

```

<dcbx-interface-information>
<dcbx-feature-application>
<dcbx-feature-application-advertisement>
<dcbx-feature-advertisement-type>
  dcbx-feature-advertisement-type
</dcbx-feature-advertisement-type>
<dcbx-feature-flags>....</dcbx-feature-flags>
<dcbx-feature-application-config>....</dcbx-feature-application-config>
</dcbx-feature-application-advertisement>
</dcbx-feature-application>
</dcbx-interface-information>

```

#### Description

### <dcbx-feature-application-advertisement>

#### Usage

```

<dcbx>
<dcbx-interface-information>
<dcbx-feature-application>
<dcbx-feature-application-advertisement>
<dcbx-feature-advertisement-type>
  dcbx-feature-advertisement-type
</dcbx-feature-advertisement-type>
<dcbx-feature-flags>....</dcbx-feature-flags>
<dcbx-feature-application-config>....</dcbx-feature-application-config>
</dcbx-feature-application-advertisement>
</dcbx-feature-application>

```

```
</dcbx-interface-information>
</dcbx>
```

#### Description

### <dcbx-feature-application-config>

#### Usage

```
<dcbx-feature-application-config>
  <dcbx-feature-application-name>
    dcbx-feature-application-name
  </dcbx-feature-application-name>
  <dcbx-feature-application-ether-type>
    dcbx-feature-application-ether-type
  </dcbx-feature-application-ether-type>
  <dcbx-feature-application-socket-number>
    dcbx-feature-application-socket-number
  </dcbx-feature-application-socket-number>
  <dcbx-feature-application-priority-map>
    dcbx-feature-application-priority-map
  </dcbx-feature-application-priority-map>
  <dcbx-feature-application-status>
    dcbx-feature-application-status
  </dcbx-feature-application-status>
</dcbx-feature-application-config>
```

#### Description

### <dcbx-feature-application-config>

#### Usage

```
<dcbx-feature-application-advertisement>
  <dcbx-feature-application-config>
    <dcbx-feature-application-name>
      dcbx-feature-application-name
    </dcbx-feature-application-name>
    <dcbx-feature-application-ether-type>
      dcbx-feature-application-ether-type
    </dcbx-feature-application-ether-type>
    <dcbx-feature-application-socket-number>
      dcbx-feature-application-socket-number
    </dcbx-feature-application-socket-number>
    <dcbx-feature-application-priority-map>
      dcbx-feature-application-priority-map
    </dcbx-feature-application-priority-map>
    <dcbx-feature-application-status>
      dcbx-feature-application-status
    </dcbx-feature-application-status>
  </dcbx-feature-application-config>
</dcbx-feature-application-advertisement>
```

#### Description

## <dcbx-feature-application-config>

### Usage

```

<dcbx-feature-application>
  <dcbx-feature-application-advertisement>
    <dcbx-feature-application-config>
      <dcbx-feature-application-name>
        dcbx-feature-application-name
      </dcbx-feature-application-name>
      <dcbx-feature-application-ether-type>
        dcbx-feature-application-ether-type
      </dcbx-feature-application-ether-type>
      <dcbx-feature-application-socket-number>
        dcbx-feature-application-socket-number
      </dcbx-feature-application-socket-number>
      <dcbx-feature-application-priority-map>
        dcbx-feature-application-priority-map
      </dcbx-feature-application-priority-map>
      <dcbx-feature-application-status>
        dcbx-feature-application-status
      </dcbx-feature-application-status>
    </dcbx-feature-application-config>
  </dcbx-feature-application-advertisement>
</dcbx-feature-application>

```

### Description

## <dcbx-feature-application-config>

### Usage

```

<dcbx-interface-information>
  <dcbx-feature-application>
    <dcbx-feature-application-advertisement>
      <dcbx-feature-application-config>
        <dcbx-feature-application-name>
          dcbx-feature-application-name
        </dcbx-feature-application-name>
        <dcbx-feature-application-ether-type>
          dcbx-feature-application-ether-type
        </dcbx-feature-application-ether-type>
        <dcbx-feature-application-socket-number>
          dcbx-feature-application-socket-number
        </dcbx-feature-application-socket-number>
        <dcbx-feature-application-priority-map>
          dcbx-feature-application-priority-map
        </dcbx-feature-application-priority-map>
        <dcbx-feature-application-status>
          dcbx-feature-application-status
        </dcbx-feature-application-status>
      </dcbx-feature-application-config>
    </dcbx-feature-application-advertisement>
  </dcbx-feature-application>
</dcbx-interface-information>

```

**Description****<dcbx-feature-application-config>****Usage**

```
<dcbx>
  <dcbx-interface-information>
    <dcbx-feature-application>
      <dcbx-feature-application-advertisement>
        <dcbx-feature-application-config>
          <dcbx-feature-application-name>
            dcbx-feature-application-name
          </dcbx-feature-application-name>
          <dcbx-feature-application-ether-type>
            dcbx-feature-application-ether-type
          </dcbx-feature-application-ether-type>
          <dcbx-feature-application-socket-number>
            dcbx-feature-application-socket-number
          </dcbx-feature-application-socket-number>
          <dcbx-feature-application-priority-map>
            dcbx-feature-application-priority-map
          </dcbx-feature-application-priority-map>
          <dcbx-feature-application-status>
            dcbx-feature-application-status
          </dcbx-feature-application-status>
        </dcbx-feature-application-config>
      </dcbx-feature-application-advertisement>
    </dcbx-feature-application>
  </dcbx-interface-information>
</dcbx>
```

**Description****<dcbx-feature-common>****Usage**

```
<dcbx-feature-common>
  <dcbx-feature-name>
    dcbx-feature-name
  </dcbx-feature-name>
  <dcbx-feature-protocol-state>
    dcbx-feature-protocol-state
  </dcbx-feature-protocol-state>
  <dcbx-feature-operation-state>
    dcbx-feature-operation-state
  </dcbx-feature-operation-state>
</dcbx-feature-common>
```

**Description** Common header for a DCBX feature

**<dcbx-feature-common>****Usage**

```

<dcbx-feature-pfc>
  <dcbx-feature-common>
    <dcbx-feature-name>
      dcbx-feature-name
    </dcbx-feature-name>
    <dcbx-feature-protocol-state>
      dcbx-feature-protocol-state
    </dcbx-feature-protocol-state>
    <dcbx-feature-operation-state>
      dcbx-feature-operation-state
    </dcbx-feature-operation-state>
  </dcbx-feature-common>
</dcbx-feature-pfc>

```

**Description** Common header for a DCBX feature

**<dcbx-feature-common>****Usage**

```

<dcbx-feature-application>
  <dcbx-feature-common>
    <dcbx-feature-name>
      dcbx-feature-name
    </dcbx-feature-name>
    <dcbx-feature-protocol-state>
      dcbx-feature-protocol-state
    </dcbx-feature-protocol-state>
    <dcbx-feature-operation-state>
      dcbx-feature-operation-state
    </dcbx-feature-operation-state>
  </dcbx-feature-common>
</dcbx-feature-application>

```

**Description** Common header for a DCBX feature

**<dcbx-feature-common>****Usage**

```

<dcbx-feature-ets>
  <dcbx-feature-common>
    <dcbx-feature-name>
      dcbx-feature-name
    </dcbx-feature-name>
    <dcbx-feature-protocol-state>
      dcbx-feature-protocol-state
    </dcbx-feature-protocol-state>
    <dcbx-feature-operation-state>
      dcbx-feature-operation-state
    </dcbx-feature-operation-state>
  </dcbx-feature-common>
</dcbx-feature-ets>

```

```
</dcbx-feature-common>
</dcbx-feature-ets>
```

**Description** Common header for a DCBX feature

### <dcbx-feature-common>

#### Usage

```
<dcbx-interface-information>
<dcbx-feature-pfc>
  <dcbx-feature-common>
    <dcbx-feature-name>
      dcbx-feature-name
    </dcbx-feature-name>
    <dcbx-feature-protocol-state>
      dcbx-feature-protocol-state
    </dcbx-feature-protocol-state>
    <dcbx-feature-operation-state>
      dcbx-feature-operation-state
    </dcbx-feature-operation-state>
  </dcbx-feature-common>
</dcbx-feature-pfc>
</dcbx-interface-information>
```

**Description** Common header for a DCBX feature

### <dcbx-feature-common>

#### Usage

```
<dcbx-interface-information>
<dcbx-feature-application>
  <dcbx-feature-common>
    <dcbx-feature-name>
      dcbx-feature-name
    </dcbx-feature-name>
    <dcbx-feature-protocol-state>
      dcbx-feature-protocol-state
    </dcbx-feature-protocol-state>
    <dcbx-feature-operation-state>
      dcbx-feature-operation-state
    </dcbx-feature-operation-state>
  </dcbx-feature-common>
</dcbx-feature-application>
</dcbx-interface-information>
```

**Description** Common header for a DCBX feature

### <dcbx-feature-common>

#### Usage

```
<dcbx-interface-information>
```



```

<dcbx-feature-ets>
  <dcbx-feature-common>
    <dcbx-feature-name>
      dcbx-feature-name
    </dcbx-feature-name>
    <dcbx-feature-protocol-state>
      dcbx-feature-protocol-state
    </dcbx-feature-protocol-state>
    <dcbx-feature-operation-state>
      dcbx-feature-operation-state
    </dcbx-feature-operation-state>
  </dcbx-feature-common>
</dcbx-feature-ets>
</dcbx-interface-information>

```

**Description** Common header for a DCBX feature

### <dcbx-feature-common>

#### Usage

```

<dcbx>
  <dcbx-interface-information>
    <dcbx-feature-pfc>
      <dcbx-feature-common>
        <dcbx-feature-name>
          dcbx-feature-name
        </dcbx-feature-name>
        <dcbx-feature-protocol-state>
          dcbx-feature-protocol-state
        </dcbx-feature-protocol-state>
        <dcbx-feature-operation-state>
          dcbx-feature-operation-state
        </dcbx-feature-operation-state>
      </dcbx-feature-common>
    </dcbx-feature-pfc>
  </dcbx-interface-information>
</dcbx>

```

**Description** Common header for a DCBX feature

### <dcbx-feature-common>

#### Usage

```

<dcbx>
  <dcbx-interface-information>
    <dcbx-feature-application>
      <dcbx-feature-common>
        <dcbx-feature-name>
          dcbx-feature-name
        </dcbx-feature-name>
        <dcbx-feature-protocol-state>
          dcbx-feature-protocol-state

```

```
    </dcbx-feature-protocol-state>
    <dcbx-feature-operation-state>
      dcbx-feature-operation-state
    </dcbx-feature-operation-state>
  </dcbx-feature-common>
</dcbx-feature-application>
</dcbx-interface-information>
</dcbx>
```

**Description** Common header for a DCBX feature

### <dcbx-feature-common>

#### Usage

```
<dcbx>
  <dcbx-interface-information>
    <dcbx-feature-ets>
      <dcbx-feature-common>
        <dcbx-feature-name>
          dcbx-feature-name
        </dcbx-feature-name>
        <dcbx-feature-protocol-state>
          dcbx-feature-protocol-state
        </dcbx-feature-protocol-state>
        <dcbx-feature-operation-state>
          dcbx-feature-operation-state
        </dcbx-feature-operation-state>
      </dcbx-feature-common>
    </dcbx-feature-ets>
  </dcbx-interface-information>
</dcbx>
```

**Description** Common header for a DCBX feature

### <dcbx-feature-ets>

#### Usage

```
<dcbx-feature-ets>
  <dcbx-feature-common>....</dcbx-feature-common>
  <dcbx-feature-ets-advertisement>....</dcbx-feature-ets-advertisement>
</dcbx-feature-ets>
```

#### Description

### <dcbx-feature-ets>

#### Usage

```
<dcbx-interface-information>
  <dcbx-feature-ets>
    <dcbx-feature-common>....</dcbx-feature-common>
    <dcbx-feature-ets-advertisement>....</dcbx-feature-ets-advertisement>
```

```

    </dcbx-feature-ets>
</dcbx-interface-information>

```

#### Description

#### <dcbx-feature-ets>

#### Usage

```

<dcbx>
  <dcbx-interface-information>
    <dcbx-feature-ets>
      <dcbx-feature-common>....</dcbx-feature-common>
      <dcbx-feature-ets-advertisement>....</dcbx-feature-ets-advertisement>
    </dcbx-feature-ets>
  </dcbx-interface-information>
</dcbx>

```

#### Description

#### <dcbx-feature-ets-advertisement>

#### Usage

```

<dcbx-feature-ets-advertisement>
  <dcbx-feature-advertisement-type>
    dcbx-feature-advertisement-type
  </dcbx-feature-advertisement-type>
  <dcbx-feature-flags>....</dcbx-feature-flags>
  <dcbx-feature-pfc-max-no-tc>
    dcbx-feature-pfc-max-no-tc
  </dcbx-feature-pfc-max-no-tc>
  <dcbx-feature-ets-config-cp-pg>....</dcbx-feature-ets-config-cp-pg>
  <dcbx-feature-ets-config-pg-bw>....</dcbx-feature-ets-config-pg-bw>
</dcbx-feature-ets-advertisement>

```

#### Description

#### <dcbx-feature-ets-advertisement>

#### Usage

```

<dcbx-feature-ets>
  <dcbx-feature-ets-advertisement>
    <dcbx-feature-advertisement-type>
      dcbx-feature-advertisement-type
    </dcbx-feature-advertisement-type>
    <dcbx-feature-flags>....</dcbx-feature-flags>
    <dcbx-feature-pfc-max-no-tc>
      dcbx-feature-pfc-max-no-tc
    </dcbx-feature-pfc-max-no-tc>
    <dcbx-feature-ets-config-cp-pg>....</dcbx-feature-ets-config-cp-pg>
    <dcbx-feature-ets-config-pg-bw>....</dcbx-feature-ets-config-pg-bw>
  </dcbx-feature-ets-advertisement>
</dcbx-feature-ets>

```

## Description

### <dcbx-feature-ets-advertisement>

#### Usage

```
<dcbx-interface-information>
  <dcbx-feature-ets>
    <dcbx-feature-ets-advertisement>
      <dcbx-feature-advertisement-type>
        dcbx-feature-advertisement-type
      </dcbx-feature-advertisement-type>
      <dcbx-feature-flags>....</dcbx-feature-flags>
      <dcbx-feature-pfc-max-no-tc>
        dcbx-feature-pfc-max-no-tc
      </dcbx-feature-pfc-max-no-tc>
      <dcbx-feature-ets-config-cp-pg>....</dcbx-feature-ets-config-cp-pg>
      <dcbx-feature-ets-config-pg-bw>....</dcbx-feature-ets-config-pg-bw>
    </dcbx-feature-ets-advertisement>
  </dcbx-feature-ets>
</dcbx-interface-information>
```

## Description

### <dcbx-feature-ets-advertisement>

#### Usage

```
<dcbx>
  <dcbx-interface-information>
    <dcbx-feature-ets>
      <dcbx-feature-ets-advertisement>
        <dcbx-feature-advertisement-type>
          dcbx-feature-advertisement-type
        </dcbx-feature-advertisement-type>
        <dcbx-feature-flags>....</dcbx-feature-flags>
        <dcbx-feature-pfc-max-no-tc>
          dcbx-feature-pfc-max-no-tc
        </dcbx-feature-pfc-max-no-tc>
        <dcbx-feature-ets-config-cp-pg>....</dcbx-feature-ets-config-cp-pg>
        <dcbx-feature-ets-config-pg-bw>....</dcbx-feature-ets-config-pg-bw>
      </dcbx-feature-ets-advertisement>
    </dcbx-feature-ets>
  </dcbx-interface-information>
</dcbx>
```

## Description

### <dcbx-feature-ets-config-cp-pg>

#### Usage

```
<dcbx-feature-ets-advertisement>
  <dcbx-feature-ets-config-cp-pg>
    <dcbx-feature-ets-config-cp-pg-item>....</dcbx-feature-ets-config-cp-pg-item>

  </dcbx-feature-ets-config-cp-pg>
```

```
</dcbx-feature-ets-advertisement>
```

#### Description

### <dcbx-feature-ets-config-cp-pg>

#### Usage

```
<dcbx-feature-ets>
  <dcbx-feature-ets-advertisement>
    <dcbx-feature-ets-config-cp-pg>
      <dcbx-feature-ets-config-cp-pg-item>....</dcbx-feature-ets-config-cp-pg-item>

      </dcbx-feature-ets-config-cp-pg>
    </dcbx-feature-ets-advertisement>
  </dcbx-feature-ets>
```

#### Description

### <dcbx-feature-ets-config-cp-pg>

#### Usage

```
<dcbx-interface-information>
  <dcbx-feature-ets>
    <dcbx-feature-ets-advertisement>
      <dcbx-feature-ets-config-cp-pg>

        <dcbx-feature-ets-config-cp-pg-item>....</dcbx-feature-ets-config-cp-pg-item>
        </dcbx-feature-ets-config-cp-pg>
      </dcbx-feature-ets-advertisement>
    </dcbx-feature-ets>
  </dcbx-interface-information>
```

#### Description

### <dcbx-feature-ets-config-cp-pg>

#### Usage

```
<dcbx>
  <dcbx-interface-information>
    <dcbx-feature-ets>
      <dcbx-feature-ets-advertisement>
        <dcbx-feature-ets-config-cp-pg>

          <dcbx-feature-ets-config-cp-pg-item>....</dcbx-feature-ets-config-cp-pg-item>
          </dcbx-feature-ets-config-cp-pg>
        </dcbx-feature-ets-advertisement>
      </dcbx-feature-ets>
    </dcbx-interface-information>
  </dcbx>
```

#### Description

### <dcbx-feature-ets-config-cp-pg-item>

#### Usage

```
<dcbx-feature-ets-advertisement>
<dcbx-feature-ets-config-cp-pg>
  <dcbx-feature-ets-config-cp-pg-item>
    <dcbx-feature-ets-code-point>
      dcbx-feature-ets-code-point
    </dcbx-feature-ets-code-point>
    <dcbx-feature-ets-priority-group>
      dcbx-feature-ets-priority-group
    </dcbx-feature-ets-priority-group>
  </dcbx-feature-ets-config-cp-pg-item>
</dcbx-feature-ets-config-cp-pg>
</dcbx-feature-ets-advertisement>
```

#### Description

### <dcbx-feature-ets-config-cp-pg-item>

#### Usage

```
<dcbx-feature-ets>
<dcbx-feature-ets-advertisement>
<dcbx-feature-ets-config-cp-pg>
  <dcbx-feature-ets-config-cp-pg-item>
    <dcbx-feature-ets-code-point>
      dcbx-feature-ets-code-point
    </dcbx-feature-ets-code-point>
    <dcbx-feature-ets-priority-group>
      dcbx-feature-ets-priority-group
    </dcbx-feature-ets-priority-group>
  </dcbx-feature-ets-config-cp-pg-item>
</dcbx-feature-ets-config-cp-pg>
</dcbx-feature-ets-advertisement>
</dcbx-feature-ets>
```

#### Description

### <dcbx-feature-ets-config-cp-pg-item>

#### Usage

```
<dcbx-interface-information>
<dcbx-feature-ets>
  <dcbx-feature-ets-advertisement>
    <dcbx-feature-ets-config-cp-pg>
      <dcbx-feature-ets-config-cp-pg-item>
        <dcbx-feature-ets-code-point>
          dcbx-feature-ets-code-point
        </dcbx-feature-ets-code-point>
        <dcbx-feature-ets-priority-group>
          dcbx-feature-ets-priority-group
        </dcbx-feature-ets-priority-group>
      </dcbx-feature-ets-config-cp-pg-item>
    </dcbx-feature-ets-config-cp-pg>
  </dcbx-feature-ets-advertisement>
</dcbx-feature-ets>
```

```

    </dcbx-feature-ets-config-cp-pg>
  </dcbx-feature-ets-advertisement>
</dcbx-feature-ets>
</dcbx-interface-information>

```

#### Description

### <dcbx-feature-ets-config-cp-pg-item>

#### Usage

```

<dcbx>
  <dcbx-interface-information>
    <dcbx-feature-ets>
      <dcbx-feature-ets-advertisement>
        <dcbx-feature-ets-config-cp-pg>
          <dcbx-feature-ets-config-cp-pg-item>
            <dcbx-feature-ets-code-point>
              dcbx-feature-ets-code-point
            </dcbx-feature-ets-code-point>
            <dcbx-feature-ets-priority-group>
              dcbx-feature-ets-priority-group
            </dcbx-feature-ets-priority-group>
          </dcbx-feature-ets-config-cp-pg-item>
        </dcbx-feature-ets-config-cp-pg>
      </dcbx-feature-ets-advertisement>
    </dcbx-feature-ets>
  </dcbx-interface-information>
</dcbx>

```

#### Description

### <dcbx-feature-ets-config-pg-bw>

#### Usage

```

<dcbx-feature-ets-advertisement>
  <dcbx-feature-ets-config-pg-bw>
    <dcbx-feature-ets-config-pg-bw-item>....</dcbx-feature-ets-config-pg-bw-item>

    </dcbx-feature-ets-config-pg-bw>
  </dcbx-feature-ets-advertisement>

```

#### Description

### <dcbx-feature-ets-config-pg-bw>

#### Usage

```

<dcbx-feature-ets>
  <dcbx-feature-ets-advertisement>
    <dcbx-feature-ets-config-pg-bw>

    <dcbx-feature-ets-config-pg-bw-item>....</dcbx-feature-ets-config-pg-bw-item>
    </dcbx-feature-ets-config-pg-bw>
  </dcbx-feature-ets-advertisement>

```

</dcbx-feature-ets>

#### Description

### <dcbx-feature-ets-config-pg-bw>

#### Usage

```
<dcbx-interface-information>
  <dcbx-feature-ets>
    <dcbx-feature-ets-advertisement>
      <dcbx-feature-ets-config-pg-bw>

        <dcbx-feature-ets-config-pg-bw-item>....</dcbx-feature-ets-config-pg-bw-item>
        </dcbx-feature-ets-config-pg-bw>
      </dcbx-feature-ets-advertisement>
    </dcbx-feature-ets>
  </dcbx-interface-information>
```

#### Description

### <dcbx-feature-ets-config-pg-bw>

#### Usage

```
<dcbx>
  <dcbx-interface-information>
    <dcbx-feature-ets>
      <dcbx-feature-ets-advertisement>
        <dcbx-feature-ets-config-pg-bw>

          <dcbx-feature-ets-config-pg-bw-item>....</dcbx-feature-ets-config-pg-bw-item>
          </dcbx-feature-ets-config-pg-bw>
        </dcbx-feature-ets-advertisement>
      </dcbx-feature-ets>
    </dcbx-interface-information>
  </dcbx>
```

#### Description

### <dcbx-feature-ets-config-pg-bw-item>

#### Usage

```
<dcbx-feature-ets-advertisement>
  <dcbx-feature-ets-config-pg-bw>
    <dcbx-feature-ets-config-pg-bw-item>
      <dcbx-feature-ets-priority-group>
        dcbx-feature-ets-priority-group
      </dcbx-feature-ets-priority-group>
      <dcbx-feature-ets-bw-percentage>
        dcbx-feature-ets-bw-percentage
      </dcbx-feature-ets-bw-percentage>
    </dcbx-feature-ets-config-pg-bw-item>
  </dcbx-feature-ets-config-pg-bw>
```



```
</dcbx-feature-ets-advertisement>
```

#### Description

#### <dcbx-feature-ets-config-pg-bw-item>

##### Usage

```
<dcbx-feature-ets>
  <dcbx-feature-ets-advertisement>
    <dcbx-feature-ets-config-pg-bw>
      <dcbx-feature-ets-config-pg-bw-item>
        <dcbx-feature-ets-priority-group>
          dcbx-feature-ets-priority-group
        </dcbx-feature-ets-priority-group>
        <dcbx-feature-ets-bw-percentage>
          dcbx-feature-ets-bw-percentage
        </dcbx-feature-ets-bw-percentage>
      </dcbx-feature-ets-config-pg-bw-item>
    </dcbx-feature-ets-config-pg-bw>
  </dcbx-feature-ets-advertisement>
</dcbx-feature-ets>
```

#### Description

#### <dcbx-feature-ets-config-pg-bw-item>

##### Usage

```
<dcbx-interface-information>
  <dcbx-feature-ets>
    <dcbx-feature-ets-advertisement>
      <dcbx-feature-ets-config-pg-bw>
        <dcbx-feature-ets-config-pg-bw-item>
          <dcbx-feature-ets-priority-group>
            dcbx-feature-ets-priority-group
          </dcbx-feature-ets-priority-group>
          <dcbx-feature-ets-bw-percentage>
            dcbx-feature-ets-bw-percentage
          </dcbx-feature-ets-bw-percentage>
        </dcbx-feature-ets-config-pg-bw-item>
      </dcbx-feature-ets-config-pg-bw>
    </dcbx-feature-ets-advertisement>
  </dcbx-feature-ets>
</dcbx-interface-information>
```

#### Description

#### <dcbx-feature-ets-config-pg-bw-item>

##### Usage

```
<dcbx>
  <dcbx-interface-information>
    <dcbx-feature-ets>
      <dcbx-feature-ets-advertisement>
```

```
<dcbx-feature-ets-config-pg-bw>
  <dcbx-feature-ets-config-pg-bw-item>
    <dcbx-feature-ets-priority-group>
      dcbx-feature-ets-priority-group
    </dcbx-feature-ets-priority-group>
    <dcbx-feature-ets-bw-percentage>
      dcbx-feature-ets-bw-percentage
    </dcbx-feature-ets-bw-percentage>
  </dcbx-feature-ets-config-pg-bw-item>
</dcbx-feature-ets-config-pg-bw>
</dcbx-feature-ets-advertisement>
</dcbx-feature-ets>
</dcbx-interface-information>
</dcbx>
```

**Description****<dcbx-feature-flags>****Usage**

```
<dcbx-feature-flags>
  <dcbx-feature-flag-enable>
    dcbx-feature-flag-enable
  </dcbx-feature-flag-enable>
  <dcbx-feature-flag-willing>
    dcbx-feature-flag-willing
  </dcbx-feature-flag-willing>
  <dcbx-feature-flag-error>
    dcbx-feature-flag-error
  </dcbx-feature-flag-error>
</dcbx-feature-flags>
```

**Description** Different common flags relevant to each DCBX feature

**<dcbx-feature-flags>****Usage**

```
<dcbx-feature-pfc-advertisement>
  <dcbx-feature-flags>
    <dcbx-feature-flag-enable>
      dcbx-feature-flag-enable
    </dcbx-feature-flag-enable>
    <dcbx-feature-flag-willing>
      dcbx-feature-flag-willing
    </dcbx-feature-flag-willing>
    <dcbx-feature-flag-error>
      dcbx-feature-flag-error
    </dcbx-feature-flag-error>
  </dcbx-feature-flags>
</dcbx-feature-pfc-advertisement>
```

**Description** Different common flags relevant to each DCBX feature

### <dcbx-feature-flags>

#### Usage

```

<dcbx-feature-pfc>
<dcbx-feature-pfc-advertisement>
  <dcbx-feature-flags>
    <dcbx-feature-flag-enable>
      dcbx-feature-flag-enable
    </dcbx-feature-flag-enable>
    <dcbx-feature-flag-willing>
      dcbx-feature-flag-willing
    </dcbx-feature-flag-willing>
    <dcbx-feature-flag-error>
      dcbx-feature-flag-error
    </dcbx-feature-flag-error>
  </dcbx-feature-flags>
</dcbx-feature-pfc-advertisement>
</dcbx-feature-pfc>

```

**Description** Different common flags relevant to each DCBX feature

### <dcbx-feature-flags>

#### Usage

```

<dcbx-feature-application-advertisement>
  <dcbx-feature-flags>
    <dcbx-feature-flag-enable>
      dcbx-feature-flag-enable
    </dcbx-feature-flag-enable>
    <dcbx-feature-flag-willing>
      dcbx-feature-flag-willing
    </dcbx-feature-flag-willing>
    <dcbx-feature-flag-error>
      dcbx-feature-flag-error
    </dcbx-feature-flag-error>
  </dcbx-feature-flags>
</dcbx-feature-application-advertisement>

```

**Description** Different common flags relevant to each DCBX feature

### <dcbx-feature-flags>

#### Usage

```

<dcbx-feature-application>
  <dcbx-feature-application-advertisement>
    <dcbx-feature-flags>
      <dcbx-feature-flag-enable>
        dcbx-feature-flag-enable
      </dcbx-feature-flag-enable>
      <dcbx-feature-flag-willing>
        dcbx-feature-flag-willing
      </dcbx-feature-flag-willing>
    </dcbx-feature-flags>
  </dcbx-feature-application-advertisement>
</dcbx-feature-application>

```

```
<dcbx-feature-flag-error>
  dcbx-feature-flag-error
</dcbx-feature-flag-error>
</dcbx-feature-flags>
</dcbx-feature-application-advertisement>
</dcbx-feature-application>
```

**Description** Different common flags relevant to each DCBX feature

### <dcbx-feature-flags>

#### Usage

```
<dcbx-feature-ets-advertisement>
  <dcbx-feature-flags>
    <dcbx-feature-flag-enable>
      dcbx-feature-flag-enable
    </dcbx-feature-flag-enable>
    <dcbx-feature-flag-willing>
      dcbx-feature-flag-willing
    </dcbx-feature-flag-willing>
    <dcbx-feature-flag-error>
      dcbx-feature-flag-error
    </dcbx-feature-flag-error>
  </dcbx-feature-flags>
</dcbx-feature-ets-advertisement>
```

**Description** Different common flags relevant to each DCBX feature

### <dcbx-feature-flags>

#### Usage

```
<dcbx-feature-ets>
  <dcbx-feature-ets-advertisement>
    <dcbx-feature-flags>
      <dcbx-feature-flag-enable>
        dcbx-feature-flag-enable
      </dcbx-feature-flag-enable>
      <dcbx-feature-flag-willing>
        dcbx-feature-flag-willing
      </dcbx-feature-flag-willing>
      <dcbx-feature-flag-error>
        dcbx-feature-flag-error
      </dcbx-feature-flag-error>
    </dcbx-feature-flags>
  </dcbx-feature-ets-advertisement>
</dcbx-feature-ets>
```

**Description** Different common flags relevant to each DCBX feature

### <dcbx-feature-flags>

#### Usage

```

<dcbx-interface-information>
  <dcbx-feature-pfc>
    <dcbx-feature-pfc-advertisement>
      <dcbx-feature-flags>
        <dcbx-feature-flag-enable>
          dcbx-feature-flag-enable
        </dcbx-feature-flag-enable>
        <dcbx-feature-flag-willing>
          dcbx-feature-flag-willing
        </dcbx-feature-flag-willing>
        <dcbx-feature-flag-error>
          dcbx-feature-flag-error
        </dcbx-feature-flag-error>
      </dcbx-feature-flags>
    </dcbx-feature-pfc-advertisement>
  </dcbx-feature-pfc>
</dcbx-interface-information>

```

**Description** Different common flags relevant to each DCBX feature

### <dcbx-feature-flags>

#### Usage

```

<dcbx-interface-information>
  <dcbx-feature-application>
    <dcbx-feature-application-advertisement>
      <dcbx-feature-flags>
        <dcbx-feature-flag-enable>
          dcbx-feature-flag-enable
        </dcbx-feature-flag-enable>
        <dcbx-feature-flag-willing>
          dcbx-feature-flag-willing
        </dcbx-feature-flag-willing>
        <dcbx-feature-flag-error>
          dcbx-feature-flag-error
        </dcbx-feature-flag-error>
      </dcbx-feature-flags>
    </dcbx-feature-application-advertisement>
  </dcbx-feature-application>
</dcbx-interface-information>

```

**Description** Different common flags relevant to each DCBX feature

### <dcbx-feature-flags>

#### Usage

```

<dcbx-interface-information>
  <dcbx-feature-ets>
    <dcbx-feature-ets-advertisement>

```

```
<dcbx-feature-flags>
  <dcbx-feature-flag-enable>
    dcbx-feature-flag-enable
  </dcbx-feature-flag-enable>
  <dcbx-feature-flag-willing>
    dcbx-feature-flag-willing
  </dcbx-feature-flag-willing>
  <dcbx-feature-flag-error>
    dcbx-feature-flag-error
  </dcbx-feature-flag-error>
</dcbx-feature-flags>
</dcbx-feature-ets-advertisement>
</dcbx-feature-ets>
</dcbx-interface-information>
```

**Description** Different common flags relevant to each DCBX feature

### <dcbx-feature-flags>

#### Usage

```
<dcbx>
  <dcbx-interface-information>
    <dcbx-feature-pfc>
      <dcbx-feature-pfc-advertisement>
        <dcbx-feature-flags>
          <dcbx-feature-flag-enable>
            dcbx-feature-flag-enable
          </dcbx-feature-flag-enable>
          <dcbx-feature-flag-willing>
            dcbx-feature-flag-willing
          </dcbx-feature-flag-willing>
          <dcbx-feature-flag-error>
            dcbx-feature-flag-error
          </dcbx-feature-flag-error>
        </dcbx-feature-flags>
      </dcbx-feature-pfc-advertisement>
    </dcbx-feature-pfc>
  </dcbx-interface-information>
</dcbx>
```

**Description** Different common flags relevant to each DCBX feature

### <dcbx-feature-flags>

#### Usage

```
<dcbx>
  <dcbx-interface-information>
    <dcbx-feature-application>
      <dcbx-feature-application-advertisement>
        <dcbx-feature-flags>
          <dcbx-feature-flag-enable>
            dcbx-feature-flag-enable
          </dcbx-feature-flag-enable>
        </dcbx-feature-flags>
      </dcbx-feature-application-advertisement>
    </dcbx-feature-application>
  </dcbx-interface-information>
</dcbx>
```

```

        </dcbx-feature-flag-enable>
        <dcbx-feature-flag-willing>
            dcbx-feature-flag-willing
        </dcbx-feature-flag-willing>
        <dcbx-feature-flag-error>
            dcbx-feature-flag-error
        </dcbx-feature-flag-error>
    </dcbx-feature-flags>
</dcbx-feature-application-advertisement>
</dcbx-feature-application>
</dcbx-interface-information>
</dcbx>

```

**Description** Different common flags relevant to each DCBX feature

### <dcbx-feature-flags>

#### Usage

```

<dcbx>
  <dcbx-interface-information>
    <dcbx-feature-ets>
      <dcbx-feature-ets-advertisement>
        <dcbx-feature-flags>
          <dcbx-feature-flag-enable>
            dcbx-feature-flag-enable
          </dcbx-feature-flag-enable>
          <dcbx-feature-flag-willing>
            dcbx-feature-flag-willing
          </dcbx-feature-flag-willing>
          <dcbx-feature-flag-error>
            dcbx-feature-flag-error
          </dcbx-feature-flag-error>
        </dcbx-feature-flags>
      </dcbx-feature-ets-advertisement>
    </dcbx-feature-ets>
  </dcbx-interface-information>
</dcbx>

```

**Description** Different common flags relevant to each DCBX feature

### <dcbx-feature-pfc>

#### Usage

```

<dcbx-feature-pfc>
  <dcbx-feature-common>....</dcbx-feature-common>
  <dcbx-feature-pfc-advertisement>....</dcbx-feature-pfc-advertisement>
</dcbx-feature-pfc>

```

#### Description

## <dcbx-feature-pfc>

### Usage

```
<dcbx-interface-information>
  <dcbx-feature-pfc>
    <dcbx-feature-common>....</dcbx-feature-common>
    <dcbx-feature-pfc-advertisement>....</dcbx-feature-pfc-advertisement>
  </dcbx-feature-pfc>
</dcbx-interface-information>
```

### Description

## <dcbx-feature-pfc>

### Usage

```
<dcbx>
  <dcbx-interface-information>
    <dcbx-feature-pfc>
      <dcbx-feature-common>....</dcbx-feature-common>
      <dcbx-feature-pfc-advertisement>....</dcbx-feature-pfc-advertisement>
    </dcbx-feature-pfc>
  </dcbx-interface-information>
</dcbx>
```

### Description

## <dcbx-feature-pfc-advertisement>

### Usage

```
<dcbx-feature-pfc-advertisement>
  <dcbx-feature-advertisement-type>
    dcbx-feature-advertisement-type
  </dcbx-feature-advertisement-type>
  <dcbx-feature-flags>....</dcbx-feature-flags>
  <dcbx-feature-pfc-max-no-tc>
    dcbx-feature-pfc-max-no-tc
  </dcbx-feature-pfc-max-no-tc>
  <dcbx-feature-pfc-config>....</dcbx-feature-pfc-config>
</dcbx-feature-pfc-advertisement>
```

### Description

## <dcbx-feature-pfc-advertisement>

### Usage

```
<dcbx-feature-pfc>
  <dcbx-feature-pfc-advertisement>
    <dcbx-feature-advertisement-type>
      dcbx-feature-advertisement-type
    </dcbx-feature-advertisement-type>
    <dcbx-feature-flags>....</dcbx-feature-flags>
    <dcbx-feature-pfc-max-no-tc>
```



```

        dcbx-feature-pfc-max-no-tc
    </dcbx-feature-pfc-max-no-tc>
    <dcbx-feature-pfc-config>....</dcbx-feature-pfc-config>
</dcbx-feature-pfc-advertisement>
</dcbx-feature-pfc>

```

#### Description

### <dcbx-feature-pfc-advertisement>

#### Usage

```

<dcbx-interface-information>
<dcbx-feature-pfc>
  <dcbx-feature-pfc-advertisement>
    <dcbx-feature-advertisement-type>
      dcbx-feature-advertisement-type
    </dcbx-feature-advertisement-type>
    <dcbx-feature-flags>....</dcbx-feature-flags>
    <dcbx-feature-pfc-max-no-tc>
      dcbx-feature-pfc-max-no-tc
    </dcbx-feature-pfc-max-no-tc>
    <dcbx-feature-pfc-config>....</dcbx-feature-pfc-config>
  </dcbx-feature-pfc-advertisement>
</dcbx-feature-pfc>
</dcbx-interface-information>

```

#### Description

### <dcbx-feature-pfc-advertisement>

#### Usage

```

<dcbx>
  <dcbx-interface-information>
    <dcbx-feature-pfc>
      <dcbx-feature-pfc-advertisement>
        <dcbx-feature-advertisement-type>
          dcbx-feature-advertisement-type
        </dcbx-feature-advertisement-type>
        <dcbx-feature-flags>....</dcbx-feature-flags>
        <dcbx-feature-pfc-max-no-tc>
          dcbx-feature-pfc-max-no-tc
        </dcbx-feature-pfc-max-no-tc>
        <dcbx-feature-pfc-config>....</dcbx-feature-pfc-config>
      </dcbx-feature-pfc-advertisement>
    </dcbx-feature-pfc>
  </dcbx-interface-information>
</dcbx>

```

#### Description

## <dcbx-feature-pfc-config>

### Usage

```
<dcbx-feature-pfc-config>
  <dcbx-feature-pfc-code-point>
    dcbx-feature-pfc-code-point
  </dcbx-feature-pfc-code-point>
  <dcbx-feature-pfc-state>
    dcbx-feature-pfc-state
  </dcbx-feature-pfc-state>
</dcbx-feature-pfc-config>
```

### Description

## <dcbx-feature-pfc-config>

### Usage

```
<dcbx-feature-pfc-advertisement>
  <dcbx-feature-pfc-config>
    <dcbx-feature-pfc-code-point>
      dcbx-feature-pfc-code-point
    </dcbx-feature-pfc-code-point>
    <dcbx-feature-pfc-state>
      dcbx-feature-pfc-state
    </dcbx-feature-pfc-state>
  </dcbx-feature-pfc-config>
</dcbx-feature-pfc-advertisement>
```

### Description

## <dcbx-feature-pfc-config>

### Usage

```
<dcbx-feature-pfc>
  <dcbx-feature-pfc-advertisement>
    <dcbx-feature-pfc-config>
      <dcbx-feature-pfc-code-point>
        dcbx-feature-pfc-code-point
      </dcbx-feature-pfc-code-point>
      <dcbx-feature-pfc-state>
        dcbx-feature-pfc-state
      </dcbx-feature-pfc-state>
    </dcbx-feature-pfc-config>
  </dcbx-feature-pfc-advertisement>
</dcbx-feature-pfc>
```

### Description

## <dcbx-feature-pfc-config>

### Usage

```
<dcbx-interface-information>
```

```

<dcbx-feature-pfc>
  <dcbx-feature-pfc-advertisement>
    <dcbx-feature-pfc-config>
      <dcbx-feature-pfc-code-point>
        dcbx-feature-pfc-code-point
      </dcbx-feature-pfc-code-point>
      <dcbx-feature-pfc-state>
        dcbx-feature-pfc-state
      </dcbx-feature-pfc-state>
    </dcbx-feature-pfc-config>
  </dcbx-feature-pfc-advertisement>
</dcbx-feature-pfc>
</dcbx-interface-information>

```

#### Description

#### <dcbx-feature-pfc-config>

##### Usage

```

<dcbx>
  <dcbx-interface-information>
    <dcbx-feature-pfc>
      <dcbx-feature-pfc-advertisement>
        <dcbx-feature-pfc-config>
          <dcbx-feature-pfc-code-point>
            dcbx-feature-pfc-code-point
          </dcbx-feature-pfc-code-point>
          <dcbx-feature-pfc-state>
            dcbx-feature-pfc-state
          </dcbx-feature-pfc-state>
        </dcbx-feature-pfc-config>
      </dcbx-feature-pfc-advertisement>
    </dcbx-feature-pfc>
  </dcbx-interface-information>
</dcbx>

```

#### Description

#### <dcbx-interface-information>

##### Usage

```

<dcbx-interface-information>
  <dcbx-status-information>....</dcbx-status-information>
  <dcbx-intf-name>
    dcbx-intf-name
  </dcbx-intf-name>
  <dcbx-neighbor-id>
    dcbx-neighbor-id
  </dcbx-neighbor-id>
  <dcbx-protocol-state>
    dcbx-protocol-state
  </dcbx-protocol-state>
  <dcbx-protocol-control-adv>....</dcbx-protocol-control-adv>
  <dcbx-feature-pfc>....</dcbx-feature-pfc>

```

```
<dcbx-feature-application>....</dcbx-feature-application>
<dcbx-feature-ets>....</dcbx-feature-ets>
</dcbx-interface-information>
```

**Description** DCBX related information for interface

### <dcbx-interface-information>

#### Usage

```
<dcbx>
<dcbx-interface-information>
  <dcbx-status-information>....</dcbx-status-information>
  <dcbx-intf-name>
    dcbx-intf-name
  </dcbx-intf-name>
  <dcbx-neighbor-id>
    dcbx-neighbor-id
  </dcbx-neighbor-id>
  <dcbx-protocol-state>
    dcbx-protocol-state
  </dcbx-protocol-state>
  <dcbx-protocol-control-adv>....</dcbx-protocol-control-adv>
  <dcbx-feature-pfc>....</dcbx-feature-pfc>
  <dcbx-feature-application>....</dcbx-feature-application>
  <dcbx-feature-ets>....</dcbx-feature-ets>
</dcbx-interface-information>
</dcbx>
```

**Description** DCBX related information for interface

### <dcbx-protocol-control-adv>

#### Usage

```
<dcbx-protocol-control-adv>
  <dcbx-feature-advertisement-type>
    dcbx-feature-advertisement-type
  </dcbx-feature-advertisement-type>
  <dcbx-protocol-control-info>....</dcbx-protocol-control-info>
</dcbx-protocol-control-adv>
```

**Description**

### <dcbx-protocol-control-adv>

#### Usage

```
<dcbx-interface-information>
<dcbx-protocol-control-adv>
  <dcbx-feature-advertisement-type>
    dcbx-feature-advertisement-type
  </dcbx-feature-advertisement-type>
  <dcbx-protocol-control-info>....</dcbx-protocol-control-info>
```

```

    </dcbx-protocol-control-adv>
  </dcbx-interface-information>

```

#### Description

#### <dcbx-protocol-control-adv>

##### Usage

```

<dcbx>
  <dcbx-interface-information>
    <dcbx-protocol-control-adv>
      <dcbx-feature-advertisement-type>
        dcbx-feature-advertisement-type
      </dcbx-feature-advertisement-type>
      <dcbx-protocol-control-info>....</dcbx-protocol-control-info>
    </dcbx-protocol-control-adv>
  </dcbx-interface-information>
</dcbx>

```

#### Description

#### <dcbx-protocol-control-info>

##### Usage

```

<dcbx-protocol-control-info>
  <dcbx-protocol-control-op-version>
    dcbx-protocol-control-op-version
  </dcbx-protocol-control-op-version>
  <dcbx-protocol-control-seq-number>
    dcbx-protocol-control-seq-number
  </dcbx-protocol-control-seq-number>
  <dcbx-protocol-control-ack-id>
    dcbx-protocol-control-ack-id
  </dcbx-protocol-control-ack-id>
</dcbx-protocol-control-info>

```

#### Description

#### <dcbx-protocol-control-info>

##### Usage

```

<dcbx-protocol-control-adv>
  <dcbx-protocol-control-info>
    <dcbx-protocol-control-op-version>
      dcbx-protocol-control-op-version
    </dcbx-protocol-control-op-version>
    <dcbx-protocol-control-seq-number>
      dcbx-protocol-control-seq-number
    </dcbx-protocol-control-seq-number>
    <dcbx-protocol-control-ack-id>
      dcbx-protocol-control-ack-id
    </dcbx-protocol-control-ack-id>
  </dcbx-protocol-control-info>

```

</dcbx-protocol-control-adv>

#### Description

### <dcbx-protocol-control-info>

#### Usage

```
<dcbx-interface-information>
<dcbx-protocol-control-adv>
  <dcbx-protocol-control-info>
    <dcbx-protocol-control-op-version>
      dcbx-protocol-control-op-version
    </dcbx-protocol-control-op-version>
    <dcbx-protocol-control-seq-number>
      dcbx-protocol-control-seq-number
    </dcbx-protocol-control-seq-number>
    <dcbx-protocol-control-ack-id>
      dcbx-protocol-control-ack-id
    </dcbx-protocol-control-ack-id>
  </dcbx-protocol-control-info>
</dcbx-protocol-control-adv>
</dcbx-interface-information>
```

#### Description

### <dcbx-protocol-control-info>

#### Usage

```
<dcbx>
<dcbx-interface-information>
<dcbx-protocol-control-adv>
  <dcbx-protocol-control-info>
    <dcbx-protocol-control-op-version>
      dcbx-protocol-control-op-version
    </dcbx-protocol-control-op-version>
    <dcbx-protocol-control-seq-number>
      dcbx-protocol-control-seq-number
    </dcbx-protocol-control-seq-number>
    <dcbx-protocol-control-ack-id>
      dcbx-protocol-control-ack-id
    </dcbx-protocol-control-ack-id>
  </dcbx-protocol-control-info>
</dcbx-protocol-control-adv>
</dcbx-interface-information>
</dcbx>
```

#### Description

### <dcbx-status-information>

#### Usage

```
<dcbx-status-information>
<dcbx-interface-name>
```

```
    dcbx-interface-name
  </dcbx-interface-name>
  <dcbx-interface-status>
    dcbx-interface-status
  </dcbx-interface-status>
</dcbx-status-information>
```

#### Description

### <dcbx-status-information>

#### Usage

```
<dcbx-interface-information>
  <dcbx-status-information>
    <dcbx-interface-name>
      dcbx-interface-name
    </dcbx-interface-name>
    <dcbx-interface-status>
      dcbx-interface-status
    </dcbx-interface-status>
  </dcbx-status-information>
</dcbx-interface-information>
```

#### Description

### <dcbx-status-information>

#### Usage

```
<dcbx>
  <dcbx-interface-information>
    <dcbx-status-information>
      <dcbx-interface-name>
        dcbx-interface-name
      </dcbx-interface-name>
      <dcbx-interface-status>
        dcbx-interface-status
      </dcbx-interface-status>
    </dcbx-status-information>
  </dcbx-interface-information>
</dcbx>
```

#### Description

### <dcbx-status-information>

#### Usage

```
<dcbx>
  <dcbx-status-information>
    <dcbx-interface-name>
      dcbx-interface-name
    </dcbx-interface-name>
    <dcbx-interface-status>
      dcbx-interface-status
    </dcbx-interface-status>
  </dcbx-status-information>
</dcbx>
```

```
</dcbx-interface-status>
</dcbx-status-information>
</dcbx>
```

## Description

### <lldp>

## Usage

```
<lldp>
  <lldp-interface-information>....</lldp-interface-information>
  <lldp-global-status>
    lldp-global-status
  </lldp-global-status>
  <lldp-advertisement-interval>
    lldp-advertisement-interval
  </lldp-advertisement-interval>
  <lldp-transmit-delay-interval>
    lldp-transmit-delay-interval
  </lldp-transmit-delay-interval>
  <lldp-hold-time-interval>
    lldp-hold-time-interval
  </lldp-hold-time-interval>
  <lldp-notification-interval>
    lldp-notification-interval
  </lldp-notification-interval>
  <ptopo-configuration-trap-interval>
    ptopo-configuration-trap-interval
  </ptopo-configuration-trap-interval>
  <ptopo-maximum-hold-time>
    ptopo-maximum-hold-time
  </ptopo-maximum-hold-time>
  <lldp-med-global-status>
    lldp-med-global-status
  </lldp-med-global-status>
  <lldp-med-fast-start-count>
    lldp-med-fast-start-count
  </lldp-med-fast-start-count>
  <lldp-basic-tlv-supported>
    lldp-basic-tlv-supported
  </lldp-basic-tlv-supported>
  <lldp-802-tlv-supported>
    lldp-802-tlv-supported
  </lldp-802-tlv-supported>
  <lldp-med-tlv-supported>
    lldp-med-tlv-supported
  </lldp-med-tlv-supported>
  <lldp-exported-vlan-information>....</lldp-exported-vlan-information>
</lldp>
```

## Description



## <lldp-exported-vlan-information>

### Usage

```

<lldp>
  <lldp-exported-vlan-information>
    <lldp-vlan-interface-name>
      lldp-vlan-interface-name
    </lldp-vlan-interface-name>
    <lldp-vlan-parent-interface-name>
      lldp-vlan-parent-interface-name
    </lldp-vlan-parent-interface-name>
    <lldp-vlan-tag>
      lldp-vlan-tag
    </lldp-vlan-tag>
    <lldp-vlan-name>
      lldp-vlan-name
    </lldp-vlan-name>
  </lldp-exported-vlan-information>
</lldp>

```

### Description

## <lldp-interface-information>

### Usage

```

<lldp-interface-information>
  <lldp-interface-name>
    lldp-interface-name
  </lldp-interface-name>
  <lldp-parent-interface-name>
    lldp-parent-interface-name
  </lldp-parent-interface-name>
  <lldp-interface-status>
    lldp-interface-status
  </lldp-interface-status>
  <lldp-med-interface-status>
    lldp-med-interface-status
  </lldp-med-interface-status>
  <lldp-interface-neighbor-count>
    lldp-interface-neighbor-count
  </lldp-interface-neighbor-count>
</lldp-interface-information>

```

### Description

## <lldp-interface-information>

### Usage

```

<lldp>
  <lldp-interface-information>
    <lldp-interface-name>
      lldp-interface-name
    </lldp-interface-name>
  </lldp-interface-information>
</lldp>

```

```
<lldp-parent-interface-name>
  lldp-parent-interface-name
</lldp-parent-interface-name>
<lldp-interface-status>
  lldp-interface-status
</lldp-interface-status>
<lldp-med-interface-status>
  lldp-med-interface-status
</lldp-med-interface-status>
<lldp-interface-neighbor-count>
  lldp-interface-neighbor-count
</lldp-interface-neighbor-count>
</lldp-interface-information>
</lldp>
```

#### Description

### <lldp-intf-stats>

#### Usage

```
<lldp-intf-stats>
  <lldp-intf-name>
    lldp-intf-name
  </lldp-intf-name>
  <lldp-parent-intf-name>
    lldp-parent-intf-name
  </lldp-parent-intf-name>
  <lldp-rx-pkt-count>
    lldp-rx-pkt-count
  </lldp-rx-pkt-count>
  <lldp-rx-pkt-unknown-tlvs>
    lldp-rx-pkt-unknown-tlvs
  </lldp-rx-pkt-unknown-tlvs>
  <lldp-rx-pkt-err-count>
    lldp-rx-pkt-err-count
  </lldp-rx-pkt-err-count>
  <lldp-rx-tlv-discard-count>
    lldp-rx-tlv-discard-count
  </lldp-rx-tlv-discard-count>
  <lldp-tx-pkt-count>
    lldp-tx-pkt-count
  </lldp-tx-pkt-count>
  <lldp-tx-pkt-err-count>
    lldp-tx-pkt-err-count
  </lldp-tx-pkt-err-count>
</lldp-intf-stats>
```

**Description**    Interface statistics

### <lldp-intf-stats>

#### Usage

```
<lldp-stats>
```

```

<lldp-intf-stats>
  <lldp-intf-name>
    lldp-intf-name
  </lldp-intf-name>
  <lldp-parent-intf-name>
    lldp-parent-intf-name
  </lldp-parent-intf-name>
  <lldp-rx-pkt-count>
    lldp-rx-pkt-count
  </lldp-rx-pkt-count>
  <lldp-rx-pkt-unknown-tlvs>
    lldp-rx-pkt-unknown-tlvs
  </lldp-rx-pkt-unknown-tlvs>
  <lldp-rx-pkt-err-count>
    lldp-rx-pkt-err-count
  </lldp-rx-pkt-err-count>
  <lldp-rx-tlv-discard-count>
    lldp-rx-tlv-discard-count
  </lldp-rx-tlv-discard-count>
  <lldp-tx-pkt-count>
    lldp-tx-pkt-count
  </lldp-tx-pkt-count>
  <lldp-tx-pkt-err-count>
    lldp-tx-pkt-err-count
  </lldp-tx-pkt-err-count>
</lldp-intf-stats>
</lldp-stats>

```

**Description** Interface statistics

## <lldp-local-info>

### Usage

```

<lldp-local-info>
  <lldp-local-interface-info>....</lldp-local-interface-info>
  <lldp-local-chassis-id>
    lldp-local-chassis-id
  </lldp-local-chassis-id>
  <lldp-local-system-name>
    lldp-local-system-name
  </lldp-local-system-name>
  <lldp-local-system-descr>
    lldp-local-system-descr
  </lldp-local-system-descr>
  <lldp-local-system-capabilities-supported>
    lldp-local-system-capabilities-supported
  </lldp-local-system-capabilities-supported>
  <lldp-local-system-capabilities-enabled>
    lldp-local-system-capabilities-enabled
  </lldp-local-system-capabilities-enabled>
  <lldp-local-port-description>
    lldp-local-port-description
  </lldp-local-port-description>
  <lldp-local-management-address>

```

```
    lldp-local-management-address
  </lldp-local-management-address>
  <lldp-local-management-address-type>
    lldp-local-management-address-type
  </lldp-local-management-address-type>
  <lldp-local-management-address-interface-id>
    lldp-local-management-address-interface-id
  </lldp-local-management-address-interface-id>
  <lldp-local-port-id-sub-type>
    lldp-local-port-id-sub-type
  </lldp-local-port-id-sub-type>
  <lldp-local-management-address-interface-sub-type>
    lldp-local-management-address-interface-sub-type
  </lldp-local-management-address-interface-sub-type>
</lldp-local-info>
```

#### Description

### <lldp-local-interface-info>

#### Usage

```
<lldp-local-interface-info>
  <lldp-local-interface-name>
    lldp-local-interface-name
  </lldp-local-interface-name>
  <lldp-parent-local-interface-name>
    lldp-parent-local-interface-name
  </lldp-parent-local-interface-name>
  <lldp-local-interface-id>
    lldp-local-interface-id
  </lldp-local-interface-id>
  <lldp-local-interface-descr>
    lldp-local-interface-descr
  </lldp-local-interface-descr>
  <lldp-local-interface-status>
    lldp-local-interface-status
  </lldp-local-interface-status>
  <lldp-local-interface-tunneling>
    lldp-local-interface-tunneling
  </lldp-local-interface-tunneling>
</lldp-local-interface-info>
```

#### Description

### <lldp-local-interface-info>

#### Usage

```
<lldp-local-info>
  <lldp-local-interface-info>
    <lldp-local-interface-name>
      lldp-local-interface-name
    </lldp-local-interface-name>
    <lldp-parent-local-interface-name>
      lldp-parent-local-interface-name
    </lldp-parent-local-interface-name>
  </lldp-local-interface-info>
```

```

</lldp-parent-local-interface-name>
<lldp-local-interface-id>
  lldp-local-interface-id
</lldp-local-interface-id>
<lldp-local-interface-descr>
  lldp-local-interface-descr
</lldp-local-interface-descr>
<lldp-local-interface-status>
  lldp-local-interface-status
</lldp-local-interface-status>
<lldp-local-interface-tunneling>
  lldp-local-interface-tunneling
</lldp-local-interface-tunneling>
</lldp-local-interface-info>
</lldp-local-info>

```

### Description

## <lldp-neighbor-information>

### Usage

```

<lldp-neighbor-information>
  <lldp-index>
    lldp-index
  </lldp-index>
  <lldp-ttl>
    lldp-ttl
  </lldp-ttl>
  <lldp-timemark>
    lldp-timemark
  </lldp-timemark>
  <lldp-age>
    lldp-age
  </lldp-age>
  <lldp-local-interface>
    lldp-local-interface
  </lldp-local-interface>
  <lldp-local-parent-interface-name>
    lldp-local-parent-interface-name
  </lldp-local-parent-interface-name>
  <lldp-local-port-id>
    lldp-local-port-id
  </lldp-local-port-id>
  <lldp-local-port-ageout-count>
    lldp-local-port-ageout-count
  </lldp-local-port-ageout-count>
  <lldp-remote-chassis-id-subtype>
    lldp-remote-chassis-id-subtype
  </lldp-remote-chassis-id-subtype>
  <lldp-remote-chassis-id>
    lldp-remote-chassis-id
  </lldp-remote-chassis-id>
  <lldp-remote-port-id-subtype>
    lldp-remote-port-id-subtype
  </lldp-remote-port-id-subtype>

```

```
<lldp-remote-port-id>
  lldp-remote-port-id
</lldp-remote-port-id>
<lldp-remote-port-description>
  lldp-remote-port-description
</lldp-remote-port-description>
<lldp-remote-system-name>
  lldp-remote-system-name
</lldp-remote-system-name>
<lldp-system-description>....</lldp-system-description>
<lldp-remote-system-capabilities-supported>
  lldp-remote-system-capabilities-supported
</lldp-remote-system-capabilities-supported>
<lldp-remote-system-capabilities-enabled>
  lldp-remote-system-capabilities-enabled
</lldp-remote-system-capabilities-enabled>
<lldp-remote-inventory-network-policy>
  lldp-remote-inventory-network-policy
</lldp-remote-inventory-network-policy>
<lldp-remote-inventory-hardware-revision>
  lldp-remote-inventory-hardware-revision
</lldp-remote-inventory-hardware-revision>
<lldp-remote-inventory-firmware-revision>
  lldp-remote-inventory-firmware-revision
</lldp-remote-inventory-firmware-revision>
<lldp-remote-inventory-software-revision>
  lldp-remote-inventory-software-revision
</lldp-remote-inventory-software-revision>
<lldp-remote-inventory-serial-number>
  lldp-remote-inventory-serial-number
</lldp-remote-inventory-serial-number>
<lldp-remote-inventory-manufacturer-name>
  lldp-remote-inventory-manufacturer-name
</lldp-remote-inventory-manufacturer-name>
<lldp-remote-inventory-model-name>
  lldp-remote-inventory-model-name
</lldp-remote-inventory-model-name>
<lldp-remote-inventory-asset-id>
  lldp-remote-inventory-asset-id
</lldp-remote-inventory-asset-id>
<lldp-remote-management-address-type>
  lldp-remote-management-address-type
</lldp-remote-management-address-type>
<lldp-remote-management-address>
  lldp-remote-management-address
</lldp-remote-management-address>
<lldp-remote-management-address-port-id>
  lldp-remote-management-address-port-id
</lldp-remote-management-address-port-id>
<lldp-remote-management-address-sub-type>
  lldp-remote-management-address-sub-type
</lldp-remote-management-address-sub-type>
<lldp-remote-management-address-interface-subtype>
  lldp-remote-management-address-interface-subtype
</lldp-remote-management-address-interface-subtype>
<lldp-remote-management-addr-oid>
```

```

    lldp-remote-management-addr-oid
  </lldp-remote-management-addr-oid>
  <lldp-remote-org-def-info-oui>
    lldp-remote-org-def-info-oui
  </lldp-remote-org-def-info-oui>
  <lldp-remote-org-def-info-subtype>
    lldp-remote-org-def-info-subtype
  </lldp-remote-org-def-info-subtype>
  <lldp-remote-org-def-info-index>
    lldp-remote-org-def-info-index
  </lldp-remote-org-def-info-index>
  <lldp-remote-org-def-info>
    lldp-remote-org-def-info
  </lldp-remote-org-def-info>
  <lldp-remote-unknown-tlv-type>
    lldp-remote-unknown-tlv-type
  </lldp-remote-unknown-tlv-type>
  <lldp-remote-unknown-tlv-info>
    lldp-remote-unknown-tlv-info
  </lldp-remote-unknown-tlv-info>
  <lldp-med-remote-system-class>
    lldp-med-remote-system-class
  </lldp-med-remote-system-class>
  <lldp-med-remote-application-attributes>
    lldp-med-remote-application-attributes
  </lldp-med-remote-application-attributes>
</lldp-neighbor-information>

```

## Description

### <lldp-neighbor-information>

#### Usage

```

<lldp-neighbors-information>
  <lldp-neighbor-information>
    <lldp-index>
      lldp-index
    </lldp-index>
    <lldp-ttl>
      lldp-ttl
    </lldp-ttl>
    <lldp-timemark>
      lldp-timemark
    </lldp-timemark>
    <lldp-age>
      lldp-age
    </lldp-age>
    <lldp-local-interface>
      lldp-local-interface
    </lldp-local-interface>
    <lldp-local-parent-interface-name>
      lldp-local-parent-interface-name
    </lldp-local-parent-interface-name>
    <lldp-local-port-id>
      lldp-local-port-id

```

```
</lldp-local-port-id>
<lldp-local-port-ageout-count>
  lldp-local-port-ageout-count
</lldp-local-port-ageout-count>
<lldp-remote-chassis-id-subtype>
  lldp-remote-chassis-id-subtype
</lldp-remote-chassis-id-subtype>
<lldp-remote-chassis-id>
  lldp-remote-chassis-id
</lldp-remote-chassis-id>
<lldp-remote-port-id-subtype>
  lldp-remote-port-id-subtype
</lldp-remote-port-id-subtype>
<lldp-remote-port-id>
  lldp-remote-port-id
</lldp-remote-port-id>
<lldp-remote-port-description>
  lldp-remote-port-description
</lldp-remote-port-description>
<lldp-remote-system-name>
  lldp-remote-system-name
</lldp-remote-system-name>
<lldp-system-description>....</lldp-system-description>
<lldp-remote-system-capabilities-supported>
  lldp-remote-system-capabilities-supported
</lldp-remote-system-capabilities-supported>
<lldp-remote-system-capabilities-enabled>
  lldp-remote-system-capabilities-enabled
</lldp-remote-system-capabilities-enabled>
<lldp-remote-inventory-network-policy>
  lldp-remote-inventory-network-policy
</lldp-remote-inventory-network-policy>
<lldp-remote-inventory-hardware-revision>
  lldp-remote-inventory-hardware-revision
</lldp-remote-inventory-hardware-revision>
<lldp-remote-inventory-firmware-revision>
  lldp-remote-inventory-firmware-revision
</lldp-remote-inventory-firmware-revision>
<lldp-remote-inventory-software-revision>
  lldp-remote-inventory-software-revision
</lldp-remote-inventory-software-revision>
<lldp-remote-inventory-serial-number>
  lldp-remote-inventory-serial-number
</lldp-remote-inventory-serial-number>
<lldp-remote-inventory-manufacturer-name>
  lldp-remote-inventory-manufacturer-name
</lldp-remote-inventory-manufacturer-name>
<lldp-remote-inventory-model-name>
  lldp-remote-inventory-model-name
</lldp-remote-inventory-model-name>
<lldp-remote-inventory-asset-id>
  lldp-remote-inventory-asset-id
</lldp-remote-inventory-asset-id>
<lldp-remote-management-address-type>
  lldp-remote-management-address-type
</lldp-remote-management-address-type>
```



```

<lldp-remote-management-address>
  lldp-remote-management-address
</lldp-remote-management-address>
<lldp-remote-management-address-port-id>
  lldp-remote-management-address-port-id
</lldp-remote-management-address-port-id>
<lldp-remote-management-address-sub-type>
  lldp-remote-management-address-sub-type
</lldp-remote-management-address-sub-type>
<lldp-remote-management-address-interface-subtype>
  lldp-remote-management-address-interface-subtype
</lldp-remote-management-address-interface-subtype>
<lldp-remote-management-addr-oid>
  lldp-remote-management-addr-oid
</lldp-remote-management-addr-oid>
<lldp-remote-org-def-info-oui>
  lldp-remote-org-def-info-oui
</lldp-remote-org-def-info-oui>
<lldp-remote-org-def-info-subtype>
  lldp-remote-org-def-info-subtype
</lldp-remote-org-def-info-subtype>
<lldp-remote-org-def-info-index>
  lldp-remote-org-def-info-index
</lldp-remote-org-def-info-index>
<lldp-remote-org-def-info>
  lldp-remote-org-def-info
</lldp-remote-org-def-info>
<lldp-remote-unknown-tlv-type>
  lldp-remote-unknown-tlv-type
</lldp-remote-unknown-tlv-type>
<lldp-remote-unknown-tlv-info>
  lldp-remote-unknown-tlv-info
</lldp-remote-unknown-tlv-info>
<lldp-med-remote-system-class>
  lldp-med-remote-system-class
</lldp-med-remote-system-class>
<lldp-med-remote-application-attributes>
  lldp-med-remote-application-attributes
</lldp-med-remote-application-attributes>
</lldp-neighbor-information>
</lldp-neighbors-information>

```

#### Description

#### <lldp-neighbors-information>

#### Usage

```

<lldp-neighbors-information>
  <lldp-neighbor-information>....</lldp-neighbor-information>
</lldp-neighbors-information>

```

#### Description

## <lldp-remote-global-statistics>

### Usage

```
<lldp-remote-global-statistics>
  <lldp-remote-global-stats>....</lldp-remote-global-stats>
</lldp-remote-global-statistics>
```

### Description

## <lldp-remote-global-stats>

### Usage

```
<lldp-remote-global-stats>
  <lldp-last-change-time>
    lldp-last-change-time
  </lldp-last-change-time>
  <lldp-inserts>
    lldp-inserts
  </lldp-inserts>
  <lldp-deletes>
    lldp-deletes
  </lldp-deletes>
  <lldp-drops>
    lldp-drops
  </lldp-drops>
  <lldp-ageouts>
    lldp-ageouts
  </lldp-ageouts>
</lldp-remote-global-stats>
```

### Description

## <lldp-remote-global-stats>

### Usage

```
<lldp-remote-global-statistics>
  <lldp-remote-global-stats>
    <lldp-last-change-time>
      lldp-last-change-time
    </lldp-last-change-time>
    <lldp-inserts>
      lldp-inserts
    </lldp-inserts>
    <lldp-deletes>
      lldp-deletes
    </lldp-deletes>
    <lldp-drops>
      lldp-drops
    </lldp-drops>
    <lldp-ageouts>
      lldp-ageouts
    </lldp-ageouts>
  </lldp-remote-global-stats>
```

```
</lldp-remote-global-statistics>
```

#### Description

### <lldp-stats>

#### Usage

```
<lldp-stats>
  <lldp-intf-stats>....</lldp-intf-stats>
</lldp-stats>
```

#### Description

### <lldp-system-description>

#### Usage

```
<lldp-neighbor-information>
  <lldp-system-description>
    <lldp-remote-system-description>
      lldp-remote-system-description
    </lldp-remote-system-description>
  </lldp-system-description>
</lldp-neighbor-information>
```

#### Description

### <lldp-system-description>

#### Usage

```
<lldp-neighbors-information>
  <lldp-neighbor-information>
    <lldp-system-description>
      <lldp-remote-system-description>
        lldp-remote-system-description
      </lldp-remote-system-description>
    </lldp-system-description>
  </lldp-neighbor-information>
</lldp-neighbors-information>
```

#### Description

### <task>

#### Usage

```
<task-timer-information>
  <task>
    <task-name>
      task-name
    </task-name>
    <task-timer-priority>....</task-timer-priority>
    <task-timer-summary>....</task-timer-summary>
    <task-timer>....</task-timer>
```

```
</task>
</task-timer-information>
```

#### Description

### <task-account-information>

#### Usage

```
<task-accounting-information>
  <task-account-information>
  </task-account-information>
</task-accounting-information>
```

#### Description

### <task-account-status>

#### Usage

```
<task-accounting-information>
  <task-account-status>
  </task-account-status>
</task-accounting-information>
```

#### Description

### <task-accounting-information>

#### Usage

```
<task-accounting-information>
  <task-acc-task-name>
    task-acc-task-name
  </task-acc-task-name>
  <task-acc-status>
    task-acc-status
  </task-acc-status>
  <task-acc-task-started>
    task-acc-task-started
  </task-acc-task-started>
  <task-acc-task-user-time>
    task-acc-task-user-time
  </task-acc-task-user-time>
  <task-acc-task-system-time>
    task-acc-task-system-time
  </task-acc-task-system-time>
  <task-acc-task-longest-run>
    task-acc-task-longest-run
  </task-acc-task-longest-run>
  <task-account-status>....</task-account-status>
  <task-account-information>....</task-account-information>
</task-accounting-information>
```

#### Description

**<task-block>****Usage**

```

<task-block-list>
  <task-block>
    <tb-name>
      tb-name
    </tb-name>
    <tb-size>
      tb-size
    </tb-size>
    <tb-alloc-size>
      tb-alloc-size
    </tb-alloc-size>
    <tb-terse-transient>
      tb-terse-transient
    </tb-terse-transient>
    <tb-terse-fullpage>
      tb-terse-fullpage
    </tb-terse-fullpage>
    <tb-terse-debug>
      tb-terse-debug
    </tb-terse-debug>
    <tb-alloc-blocks>
      tb-alloc-blocks
    </tb-alloc-blocks>
    <tb-alloc-bytes>
      tb-alloc-bytes
    </tb-alloc-bytes>
    <tb-max-alloc-blocks>
      tb-max-alloc-blocks
    </tb-max-alloc-blocks>
    <tb-max-alloc-bytes>
      tb-max-alloc-bytes
    </tb-max-alloc-bytes>
  </task-block>
</task-block-list>

```

**Description****<task-block>****Usage**

```

<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>
      <task-block>
        <tb-name>
          tb-name
        </tb-name>
        <tb-size>
          tb-size
        </tb-size>
        <tb-alloc-size>

```

```
    tb-alloc-size
  </tb-alloc-size>
  <tb-terse-transient>
    tb-terse-transient
  </tb-terse-transient>
  <tb-terse-fullpage>
    tb-terse-fullpage
  </tb-terse-fullpage>
  <tb-terse-debug>
    tb-terse-debug
  </tb-terse-debug>
  <tb-alloc-blocks>
    tb-alloc-blocks
  </tb-alloc-blocks>
  <tb-alloc-bytes>
    tb-alloc-bytes
  </tb-alloc-bytes>
  <tb-max-alloc-blocks>
    tb-max-alloc-blocks
  </tb-max-alloc-blocks>
  <tb-max-alloc-bytes>
    tb-max-alloc-bytes
  </tb-max-alloc-bytes>
</task-block>
</task-block-list>
</task-memory-allocator-report>
</task-memory-information>
```

#### Description

#### <task-block-list>

##### Usage

```
<task-block-list>
  <task-block>....</task-block>
</task-block-list>
```

#### Description

#### <task-block-list>

##### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>
      <task-block>....</task-block>
    </task-block-list>
  </task-memory-allocator-report>
</task-memory-information>
```

#### Description

## <task-io-information>

### Usage

```
<task-io-information>
  <task-io-task-name>
    task-io-task-name
  </task-io-task-name>
  <task-io-read>
    task-io-read
  </task-io-read>
  <task-io-write>
    task-io-write
  </task-io-write>
  <task-io-received>
    task-io-received
  </task-io-received>
  <task-io-sent>
    task-io-sent
  </task-io-sent>
  <task-io-dropped>
    task-io-dropped
  </task-io-dropped>
</task-io-information>
```

### Description

## <task-jobs-background>

### Usage

```
<task-jobs-information>
  <task-jobs-background>
  </task-jobs-background>
</task-jobs-information>
```

### Description

## <task-jobs-foreground>

### Usage

```
<task-jobs-information>
  <task-jobs-foreground>
  </task-jobs-foreground>
</task-jobs-information>
```

### Description

## <task-jobs-information>

### Usage

```
<task-jobs-information>
  <task-jobs-fg-priority>
    task-jobs-fg-priority
```

```
</task-jobs-fg-priority>
<task-jobs-fg-task-name>
  task-jobs-fg-task-name
</task-jobs-fg-task-name>
<task-jobs-fg-wait>
  task-jobs-fg-wait
</task-jobs-fg-wait>
<task-jobs-fg-flags>
  task-jobs-fg-flags
</task-jobs-fg-flags>
<task-jobs-bg-priority>
  task-jobs-bg-priority
</task-jobs-bg-priority>
<task-jobs-bg-task-name>
  task-jobs-bg-task-name
</task-jobs-bg-task-name>
<task-jobs-bg-misses>
  task-jobs-bg-misses
</task-jobs-bg-misses>
<task-jobs-bg-runs>
  task-jobs-bg-runs
</task-jobs-bg-runs>
<task-jobs-bg-wait>
  task-jobs-bg-wait
</task-jobs-bg-wait>
<task-jobs-bg-flags>
  task-jobs-bg-flags
</task-jobs-bg-flags>
<task-jobs-foreground>....</task-jobs-foreground>
<task-jobs-background>....</task-jobs-background>
</task-jobs-information>
```

## Description

### <task-lite-page>

#### Usage

```
<task-lite-page-list>
  <task-lite-page>
    <tlp-name>
      tlp-name
    </tlp-name>
    <tlp-alloc-pages>
      tlp-alloc-pages
    </tlp-alloc-pages>
    <tlp-alloc-bytes>
      tlp-alloc-bytes
    </tlp-alloc-bytes>
    <tlp-max-alloc-pages>
      tlp-max-alloc-pages
    </tlp-max-alloc-pages>
    <tlp-max-alloc-bytes>
      tlp-max-alloc-bytes
    </tlp-max-alloc-bytes>
  </task-lite-page>
```



```
</task-lite-page-list>
```

#### Description

**<task-lite-page>**

#### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>
        <tlp-name>
          tlp-name
        </tlp-name>
        <tlp-alloc-pages>
          tlp-alloc-pages
        </tlp-alloc-pages>
        <tlp-alloc-bytes>
          tlp-alloc-bytes
        </tlp-alloc-bytes>
        <tlp-max-alloc-pages>
          tlp-max-alloc-pages
        </tlp-max-alloc-pages>
        <tlp-max-alloc-bytes>
          tlp-max-alloc-bytes
        </tlp-max-alloc-bytes>
      </task-lite-page>
    </task-lite-page-list>
  </task-memory-allocator-report>
</task-memory-information>
```

#### Description

**<task-lite-page-list>**

#### Usage

```
<task-lite-page-list>
  <task-lite-page>....</task-lite-page>
</task-lite-page-list>
```

#### Description

**<task-lite-page-list>**

#### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>....</task-lite-page>
    </task-lite-page-list>
  </task-memory-allocator-report>
</task-memory-information>
```

**Description****<task-malloc>****Usage**

```
<task-malloc-list>
  <task-malloc>
    <tm-name>
      tm-name
    </tm-name>
    <tm-allocs>
      tm-allocs
    </tm-allocs>
    <tm-alloc-bytes>
      tm-alloc-bytes
    </tm-alloc-bytes>
    <tm-max-allocs>
      tm-max-allocs
    </tm-max-allocs>
    <tm-max-alloc-bytes>
      tm-max-alloc-bytes
    </tm-max-alloc-bytes>
    <tm-function-calls>
      tm-function-calls
    </tm-function-calls>
  </task-malloc>
</task-malloc-list>
```

**Description****<task-malloc>****Usage**

```
<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>
        <tm-name>
          tm-name
        </tm-name>
        <tm-allocs>
          tm-allocs
        </tm-allocs>
        <tm-alloc-bytes>
          tm-alloc-bytes
        </tm-alloc-bytes>
        <tm-max-allocs>
          tm-max-allocs
        </tm-max-allocs>
        <tm-max-alloc-bytes>
          tm-max-alloc-bytes
        </tm-max-alloc-bytes>
        <tm-function-calls>
          tm-function-calls
        </tm-function-calls>
      </task-malloc>
    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>
```

```

    </task-malloc>
  </task-malloc-list>
</task-memory-malloc-usage-report>
</task-memory-information>

```

#### Description

#### <task-malloc-list>

##### Usage

```

<task-malloc-list>
  <task-malloc>....</task-malloc>
</task-malloc-list>

```

#### Description

#### <task-malloc-list>

##### Usage

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>....</task-malloc>
    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

#### Description

#### <task-memory-allocator-report>

##### Usage

```

<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>....</task-block-list>
    <task-lite-page-list>....</task-lite-page-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-allocator-report>
</task-memory-information>

```

#### Description

#### <task-memory-information>

##### Usage

```

<task-memory-information>
  <task-memory-in-use-size>

```

```
    task-memory-in-use-size
  </task-memory-in-use-size>
  <task-memory-in-use-avail>
    task-memory-in-use-avail
  </task-memory-in-use-avail>
  <task-memory-max-size>
    task-memory-max-size
  </task-memory-max-size>
  <task-memory-max-avail>
    task-memory-max-avail
  </task-memory-max-avail>
  <task-memory-max-when>
    task-memory-max-when
  </task-memory-max-when>
  <task-memory-free-size>
    task-memory-free-size
  </task-memory-free-size>
  <task-memory-overall-report>....</task-memory-overall-report>
  <task-memory-allocator-report>....</task-memory-allocator-report>
  <task-memory-malloc-usage-report>....</task-memory-malloc-usage-report>
  <task-memory-dynamic-allocs>
    task-memory-dynamic-allocs
  </task-memory-dynamic-allocs>
  <task-memory-max-dynamic-allocs>
    task-memory-max-dynamic-allocs
  </task-memory-max-dynamic-allocs>
  <task-memory-bss-bytes>
    task-memory-bss-bytes
  </task-memory-bss-bytes>
  <task-memory-max-bss-bytes>
    task-memory-max-bss-bytes
  </task-memory-max-bss-bytes>
  <task-memory-page-data-bytes>
    task-memory-page-data-bytes
  </task-memory-page-data-bytes>
  <task-memory-max-page-data-bytes>
    task-memory-max-page-data-bytes
  </task-memory-max-page-data-bytes>
  <task-memory-dir-bytes>
    task-memory-dir-bytes
  </task-memory-dir-bytes>
  <task-memory-max-dir-bytes>
    task-memory-max-dir-bytes
  </task-memory-max-dir-bytes>
  <task-memory-total-bytes-in-use>
    task-memory-total-bytes-in-use
  </task-memory-total-bytes-in-use>
  <task-memory-total-bytes-percent>
    task-memory-total-bytes-percent
  </task-memory-total-bytes-percent>
</task-memory-information>
```

## Description

## <task-memory-malloc-usage-report>

### Usage

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>....</task-malloc-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

### Description

## <task-memory-overall-report>

### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>....</task-size-block-list>
    <task-memory-stats-list>....</task-memory-stats-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
    <task-memory-total-free-bytes>
      task-memory-total-free-bytes
    </task-memory-total-free-bytes>
  </task-memory-overall-report>
</task-memory-information>

```

### Description

## <task-memory-stats>

### Usage

```

<task-memory-stats>
  <tms-name>
    tms-name
  </tms-name>
  <tms-allocs>
    tms-allocs
  </tms-allocs>
  <tms-mallocs>
    tms-mallocs
  </tms-mallocs>
  <tms-alloc-bytes>
    tms-alloc-bytes

```

```
</tms-alloc-bytes>
<tms-max-allocs>
  tms-max-allocs
</tms-max-allocs>
<tms-max-bytes>
  tms-max-bytes
</tms-max-bytes>
<tms-free-bytes>
  tms-free-bytes
</tms-free-bytes>
</task-memory-stats>
```

#### Description

### <task-memory-stats>

#### Usage

```
<task-memory-information>
  <task-memory-overall-report>
    <task-memory-stats-list>
      <task-memory-stats>
        <tms-name>
          tms-name
        </tms-name>
        <tms-allocs>
          tms-allocs
        </tms-allocs>
        <tms-mallocs>
          tms-mallocs
        </tms-mallocs>
        <tms-alloc-bytes>
          tms-alloc-bytes
        </tms-alloc-bytes>
        <tms-max-allocs>
          tms-max-allocs
        </tms-max-allocs>
        <tms-max-bytes>
          tms-max-bytes
        </tms-max-bytes>
        <tms-free-bytes>
          tms-free-bytes
        </tms-free-bytes>
      </task-memory-stats>
    </task-memory-stats-list>
  </task-memory-overall-report>
</task-memory-information>
```

#### Description

### <task-memory-stats-list>

#### Usage

```
<task-memory-information>
  <task-memory-overall-report>
```

```

<task-memory-stats-list>
  <task-memory-stats>....</task-memory-stats>
</task-memory-stats-list>
</task-memory-overall-report>
</task-memory-information>

```

#### Description

### <task-replication-state>

#### Usage

```

<task-replication-state>
  <task-gres-state>
    task-gres-state
  </task-gres-state>
  <task-re-mode>
    task-re-mode
  </task-re-mode>
</task-replication-state>

```

**Description** Current state of task replication

### <task-size-block>

#### Usage

```

<task-size-block-list>
  <task-size-block>
    <tsb-size>
      tsb-size
    </tsb-size>
    <tsb-terse-transient>
      tsb-terse-transient
    </tsb-terse-transient>
    <tsb-terse-fullpage>
      tsb-terse-fullpage
    </tsb-terse-fullpage>
    <tsb-allocs>
      tsb-allocs
    </tsb-allocs>
    <tsb-mallocs>
      tsb-mallocs
    </tsb-mallocs>
    <tsb-alloc-bytes>
      tsb-alloc-bytes
    </tsb-alloc-bytes>
    <tsb-max-allocs>
      tsb-max-allocs
    </tsb-max-allocs>
    <tsb-max-bytes>
      tsb-max-bytes
    </tsb-max-bytes>
    <tsb-free-bytes>
      tsb-free-bytes
  </task-size-block>
</task-size-block-list>

```

```
</tsb-free-bytes>
</task-size-block>
</task-size-block-list>
```

#### Description

### <task-size-block>

#### Usage

```
<task-memory-information>
<task-memory-overall-report>
  <task-size-block-list>
    <task-size-block>
      <tsb-size>
        tsb-size
      </tsb-size>
      <tsb-terse-transient>
        tsb-terse-transient
      </tsb-terse-transient>
      <tsb-terse-fullpage>
        tsb-terse-fullpage
      </tsb-terse-fullpage>
      <tsb-allocs>
        tsb-allocs
      </tsb-allocs>
      <tsb-mallocs>
        tsb-mallocs
      </tsb-mallocs>
      <tsb-alloc-bytes>
        tsb-alloc-bytes
      </tsb-alloc-bytes>
      <tsb-max-allocs>
        tsb-max-allocs
      </tsb-max-allocs>
      <tsb-max-bytes>
        tsb-max-bytes
      </tsb-max-bytes>
      <tsb-free-bytes>
        tsb-free-bytes
      </tsb-free-bytes>
    </task-size-block>
  </task-size-block-list>
</task-memory-overall-report>
</task-memory-information>
```

#### Description

### <task-size-block-list>

#### Usage

```
<task-size-block-list>
  <task-size-block>....</task-size-block>
</task-size-block-list>
```



**Description****<task-size-block-list>****Usage**

```
<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>
      <task-size-block>....</task-size-block>
    </task-size-block-list>
  </task-memory-overall-report>
</task-memory-information>
```

**Description****<task-statistics-information>****Usage**

```
<task-statistics-information>
  <task-stat-event-name>
    task-stat-event-name
  </task-stat-event-name>
  <task-stat-event-count>
    task-stat-event-count
  </task-stat-event-count>
</task-statistics-information>
```

**Description****<task-summary-information>****Usage**

```
<task-summary-information>
  <task-summary-priority>
    task-summary-priority
  </task-summary-priority>
  <task-summary-task-name>
    task-summary-task-name
  </task-summary-task-name>
  <task-summary-protocol>
    task-summary-protocol
  </task-summary-protocol>
  <task-summary-port>
    task-summary-port
  </task-summary-port>
  <task-summary-socket>
    task-summary-socket
  </task-summary-socket>
  <task-summary-flags>
    task-summary-flags
  </task-summary-flags>
</task-summary-information>
```

**Description****<task-timer>****Usage**

```
<task-timer>
  <timer-name>
    timer-name
  </timer-name>
  <timer-late>
    timer-late
  </timer-late>
  <timer-expires>
    timer-expires
  </timer-expires>
  <timer-jitter>
    timer-jitter
  </timer-jitter>
  <timer-interval>
    timer-interval
  </timer-interval>
  <timer-flags>
    timer-flags
  </timer-flags>
</task-timer>
```

**Description****<task-timer>****Usage**

```
<task-timer-information>
  <task>
    <task-timer>
      <timer-name>
        timer-name
      </timer-name>
      <timer-late>
        timer-late
      </timer-late>
      <timer-expires>
        timer-expires
      </timer-expires>
      <timer-jitter>
        timer-jitter
      </timer-jitter>
      <timer-interval>
        timer-interval
      </timer-interval>
      <timer-flags>
        timer-flags
      </timer-flags>
    </task-timer>
  </task>
```

</task-timer-information>

#### Description

<task-timer-information>

#### Usage

```
<task-timer-information>
  <task>.....</task>
</task-timer-information>
```

#### Description

<task-timer-priority>

#### Usage

```
<task-timer-priority>
  <task-timer-type>
    task-timer-type
  </task-timer-type>
</task-timer-priority>
```

#### Description

<task-timer-priority>

#### Usage

```
<task-timer-information>
  <task>
    <task-timer-priority>
      <task-timer-type>
        task-timer-type
      </task-timer-type>
    </task-timer-priority>
  </task>
</task-timer-information>
```

#### Description

<task-timer-summary>

#### Usage

```
<task-timer-summary>
  <task-timer-leaf>
    task-timer-leaf
  </task-timer-leaf>
  <task-timer-parent>
    task-timer-parent
  </task-timer-parent>
  <task-timer-expired>
    task-timer-expired
  </task-timer-expired>
```

</task-timer-summary>

#### Description

<task-timer-summary>

#### Usage

```
<task-timer-information>
<task>
  <task-timer-summary>
    <task-timer-leaf>
      task-timer-leaf
    </task-timer-leaf>
    <task-timer-parent>
      task-timer-parent
    </task-timer-parent>
    <task-timer-expired>
      task-timer-expired
    </task-timer-expired>
  </task-timer-summary>
</task>
</task-timer-information>
```

#### Description

<tracing-information>

#### Usage

```
<tracing-information>
<flags>
  flags
</flags>
<filename>
  filename
</filename>
<filesize>
  filesize
</filesize>
<filelimit>
  filelimit
</filelimit>
</tracing-information>
```

#### Description

Summary of Tags

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Summary of Tags

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Summary of Tags

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Summary of Tags

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Summary of Tags

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Summary of Tags

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# Operational Response Tag Elements Specific to M, MX, and T Series

This chapter lists the Extensible Markup Language (XML) tag elements in the Junos XML application programming interface (API) that contain operational information. The Junos XML protocol and NETCONF servers return them in response to requests from client applications.

The tags listed in this chapter are specific to devices belonging to the following platforms:

- M Series
- MX Series
- T Series

The tags are divided into the following sections and listed in alphabetical order within each section.

- [Summary of DHCP Response Tags on page 7251](#)
- [Summary of Multicast and IGMP Snooping Response Tags on page 7263](#)

## Summary of DHCP Response Tags

---

### <client-identifier>

#### Usage

```
<dhcp-binding-information>
  <dhcp-binding>
    <client-identifier>
      <hex-data>
        hex-data
      </hex-data>
      <hex-data-line>
        hex-data-line
      </hex-data-line>
      <printable-data-line>
        printable-data-line
      </printable-data-line>
    </client-identifier>
  </dhcp-binding>
```

</dhcp-binding-information>

**Description** Identifier that the DHCP client provided for itself when it requested an address assignment

## <dhcp-binding>

### Usage

```
<dhcp-binding-information>
  <dhcp-binding>
    <allocated-address>
      allocated-address
    </allocated-address>
    <mac-address>
      mac-address
    </mac-address>
    <dhcp-lease-binding-type>
      dhcp-lease-binding-type
    </dhcp-lease-binding-type>
    <lease-end-time>
      lease-end-time
    </lease-end-time>
    <lease-state>
      lease-state
    </lease-state>
    <dhcp-option-table>....</dhcp-option-table>
    <address-pool-name>
      address-pool-name
    </address-pool-name>
    <interface-name>
      interface-name
    </interface-name>
    <bootp-relay-address>
      bootp-relay-address
    </bootp-relay-address>
    <dhcp-lease-information>....</dhcp-lease-information>
    <client-identifier>....</client-identifier>
  </dhcp-binding>
</dhcp-binding-information>
```

**Description** Information about the address assigned to a Dynamic Host Configuration Protocol client

## <dhcp-binding-information>

### Usage

```
<dhcp-binding-information>
  <dhcp-binding>....</dhcp-binding>
</dhcp-binding-information>
```

**Description** Information about the address assigned to each of one or more Dynamic Host Configuration Protocol clients



**<dhcp-conflict>****Usage**

```

<dhcp-conflict>
  <detection-time>
    detection-time
  </detection-time>
  <detection-method>
    detection-method
  </detection-method>
  <conflict-address>
    conflict-address
  </conflict-address>
</dhcp-conflict>

```

**Description** Information about a Dynamic Host Configuration Protocol conflict. A conflict arises when an address assigned to DHCP client is already assigned to another entity (computer or interface, for example).

**<dhcp-conflict>****Usage**

```

<dhcp-conflict-information>
  <dhcp-conflict>
    <detection-time>
      detection-time
    </detection-time>
    <detection-method>
      detection-method
    </detection-method>
    <conflict-address>
      conflict-address
    </conflict-address>
  </dhcp-conflict>
</dhcp-conflict-information>

```

**Description** Information about a Dynamic Host Configuration Protocol conflict. A conflict arises when an address assigned to DHCP client is already assigned to another entity (computer or interface, for example).

**<dhcp-conflict-information>****Usage**

```

<dhcp-conflict-information>
  <dhcp-conflict>....</dhcp-conflict>
</dhcp-conflict-information>

```

**Description** Information about one or more Dynamic Host Configuration Protocol conflicts.

## <dhcp-global-information>

### Usage

```
<dhcp-global-information>
  <dhcp-lease-time-information>....</dhcp-lease-time-information>
  <dhcp-option-table>....</dhcp-option-table>
  <bootp-lease-length>
    bootp-lease-length
  </bootp-lease-length>
  <bootp-lease-cutoff>
    bootp-lease-cutoff
  </bootp-lease-cutoff>
</dhcp-global-information>
```

**Description** Information about Dynamic Host Configuration Protocol settings that are configured for the global scope

## <dhcp-lease-information>

### Usage

```
<dhcp-lease-information>
  <dhcp-lease-type>
    dhcp-lease-type
  </dhcp-lease-type>
  <lease-start-time>
    lease-start-time
  </lease-start-time>
  <lease-end-time>
    lease-end-time
  </lease-end-time>
  <lease-state>
    lease-state
  </lease-state>
</dhcp-lease-information>
```

**Description** Information about an address assignment

## <dhcp-lease-information>

### Usage

```
<dhcp-binding-information>
  <dhcp-binding>
    <dhcp-lease-information>
      <dhcp-lease-type>
        dhcp-lease-type
      </dhcp-lease-type>
      <lease-start-time>
        lease-start-time
      </lease-start-time>
      <lease-end-time>
        lease-end-time
      </lease-end-time>
```

```

    <lease-state>
      lease-state
    </lease-state>
  </dhcp-lease-information>
</dhcp-binding>
</dhcp-binding-information>

```

**Description** Information about an address assignment

### <dhcp-lease-time-information>

#### Usage

```

<dhcp-lease-time-information>
  <default-lease-time>
    default-lease-time
  </default-lease-time>
  <minimum-lease-time>
    minimum-lease-time
  </minimum-lease-time>
  <maximum-lease-time>
    maximum-lease-time
  </maximum-lease-time>
</dhcp-lease-time-information>

```

**Description** Information about configured default, maximum, and minimum duration for address assignments

### <dhcp-lease-time-information>

#### Usage

```

<dhcp-pool-information>
  <dhcp-pool>
    <dhcp-lease-time-information>
      <default-lease-time>
        default-lease-time
      </default-lease-time>
      <minimum-lease-time>
        minimum-lease-time
      </minimum-lease-time>
      <maximum-lease-time>
        maximum-lease-time
      </maximum-lease-time>
    </dhcp-lease-time-information>
  </dhcp-pool>
</dhcp-pool-information>

```

**Description** Information about configured default, maximum, and minimum duration for address assignments

## <dhcp-lease-time-information>

### Usage

```
<dhcp-global-information>
  <dhcp-lease-time-information>
    <default-lease-time>
      default-lease-time
    </default-lease-time>
    <minimum-lease-time>
      minimum-lease-time
    </minimum-lease-time>
    <maximum-lease-time>
      maximum-lease-time
    </maximum-lease-time>
  </dhcp-lease-time-information>
</dhcp-global-information>
```

**Description** Information about configured default, maximum, and minimum duration for address assignments

## <dhcp-option>

### Usage

```
<dhcp-option>
  <dhcp-option-code>
    dhcp-option-code
  </dhcp-option-code>
  <dhcp-option-name>
    dhcp-option-name
  </dhcp-option-name>
  <dhcp-option-type>
    dhcp-option-type
  </dhcp-option-type>
  <dhcp-option-value>
    dhcp-option-value
  </dhcp-option-value>
</dhcp-option>
```

**Description** Information about a Dynamic Host Configuration Protocol option that is associated with the address assignment

## <dhcp-option>

### Usage

```
<dhcp-option-table>
  <dhcp-option>
    <dhcp-option-code>
      dhcp-option-code
    </dhcp-option-code>
    <dhcp-option-name>
      dhcp-option-name
    </dhcp-option-name>
  </dhcp-option>
</dhcp-option-table>
```

```

    </dhcp-option-name>
    <dhcp-option-type>
      dhcp-option-type
    </dhcp-option-type>
    <dhcp-option-value>
      dhcp-option-value
    </dhcp-option-value>
  </dhcp-option>
</dhcp-option-table>

```

**Description** Information about a Dynamic Host Configuration Protocol option that is associated with the address assignment

### <dhcp-option>

#### Usage

```

<dhcp-binding-information>
  <dhcp-binding>
    <dhcp-option-table>
      <dhcp-option>
        <dhcp-option-code>
          dhcp-option-code
        </dhcp-option-code>
        <dhcp-option-name>
          dhcp-option-name
        </dhcp-option-name>
        <dhcp-option-type>
          dhcp-option-type
        </dhcp-option-type>
        <dhcp-option-value>
          dhcp-option-value
        </dhcp-option-value>
      </dhcp-option>
    </dhcp-option-table>
  </dhcp-binding>
</dhcp-binding-information>

```

**Description** Information about a Dynamic Host Configuration Protocol option that is associated with the address assignment

### <dhcp-option>

#### Usage

```

<dhcp-pool-information>
  <dhcp-pool>
    <dhcp-option-table>
      <dhcp-option>
        <dhcp-option-code>
          dhcp-option-code
        </dhcp-option-code>
        <dhcp-option-name>
          dhcp-option-name

```

```
</dhcp-option-name>
<dhcp-option-type>
  dhcp-option-type
</dhcp-option-type>
<dhcp-option-value>
  dhcp-option-value
</dhcp-option-value>
</dhcp-option>
</dhcp-option-table>
</dhcp-pool>
</dhcp-pool-information>
```

**Description** Information about a Dynamic Host Configuration Protocol option that is associated with the address assignment

### <dhcp-option>

#### Usage

```
<dhcp-global-information>
<dhcp-option-table>
  <dhcp-option>
    <dhcp-option-code>
      dhcp-option-code
    </dhcp-option-code>
    <dhcp-option-name>
      dhcp-option-name
    </dhcp-option-name>
    <dhcp-option-type>
      dhcp-option-type
    </dhcp-option-type>
    <dhcp-option-value>
      dhcp-option-value
    </dhcp-option-value>
  </dhcp-option>
</dhcp-option-table>
</dhcp-global-information>
```

**Description** Information about a Dynamic Host Configuration Protocol option that is associated with the address assignment

### <dhcp-option-table>

#### Usage

```
<dhcp-option-table>
  <dhcp-option>....</dhcp-option>
</dhcp-option-table>
```

**Description** Information about one or more Dynamic Host Configuration Protocol options that are associated with the address assignment

**<dhcp-option-table>****Usage**

```

<dhcp-binding-information>
  <dhcp-binding>
    <dhcp-option-table>
      <dhcp-option>....</dhcp-option>
    </dhcp-option-table>
  </dhcp-binding>
</dhcp-binding-information>

```

**Description** Information about one or more Dynamic Host Configuration Protocol options that are associated with the address assignment

**<dhcp-option-table>****Usage**

```

<dhcp-pool-information>
  <dhcp-pool>
    <dhcp-option-table>
      <dhcp-option>....</dhcp-option>
    </dhcp-option-table>
  </dhcp-pool>
</dhcp-pool-information>

```

**Description** Information about one or more Dynamic Host Configuration Protocol options that are associated with the address assignment

**<dhcp-option-table>****Usage**

```

<dhcp-global-information>
  <dhcp-option-table>
    <dhcp-option>....</dhcp-option>
  </dhcp-option-table>
</dhcp-global-information>

```

**Description** Information about one or more Dynamic Host Configuration Protocol options that are associated with the address assignment

**<dhcp-pool>****Usage**

```

<dhcp-pool-information>
  <dhcp-pool>
    <address-pool-name>
      address-pool-name
    </address-pool-name>
    <address-pool-low-address>
      address-pool-low-address

```

```
</address-pool-low-address>
<address-pool-high-address>
  address-pool-high-address
</address-pool-high-address>
<address-pool-excluded-address>
  address-pool-excluded-address
</address-pool-excluded-address>
<dhcp-lease-time-information>....</dhcp-lease-time-information>
<dhcp-option-table>....</dhcp-option-table>
<address-count>
  address-count
</address-count>
<assigned-lease-count>
  assigned-lease-count
</assigned-lease-count>
<active-lease-count>
  active-lease-count
</active-lease-count>
<offered-lease-count>
  offered-lease-count
</offered-lease-count>
<expired-lease-count>
  expired-lease-count
</expired-lease-count>
<conflict-count>
  conflict-count
</conflict-count>
<exclusion-count>
  exclusion-count
</exclusion-count>
</dhcp-pool>
</dhcp-pool-information>
```

**Description** Information about a Dynamic Host Configuration Protocol address pool

### <dhcp-pool-information>

#### Usage

```
<dhcp-pool-information>
<dhcp-pool>....</dhcp-pool>
</dhcp-pool-information>
```

**Description** Information about one or more Dynamic Host Configuration Protocol address pools

### <dhcp-statistics-information>

#### Usage

```
<dhcp-statistics-information>
<dropped-packet-total>
  dropped-packet-total
</dropped-packet-total>
<dropped-packet-bad-hardware>
```



```

        dropped-packet-bad-hardware
      </dropped-packet-bad-hardware>
    <dropped-packet-bad-opcode>
      dropped-packet-bad-opcode
    </dropped-packet-bad-opcode>
    <dropped-packet-bad-options>
      dropped-packet-bad-options
    </dropped-packet-bad-options>
    <dropped-packet-invalid-server-address>
      dropped-packet-invalid-server-address
    </dropped-packet-invalid-server-address>
    <dropped-packet-no-addresses>
      dropped-packet-no-addresses
    </dropped-packet-no-addresses>
    <dropped-packet-no-interface>
      dropped-packet-no-interface
    </dropped-packet-no-interface>
    <dropped-packet-no-routing-instance>
      dropped-packet-no-routing-instance
    </dropped-packet-no-routing-instance>
    <dropped-packet-no-local-address>
      dropped-packet-no-local-address
    </dropped-packet-no-local-address>
    <dropped-packet-too-short>
      dropped-packet-too-short
    </dropped-packet-too-short>
    <dropped-packet-read-error>
      dropped-packet-read-error
    </dropped-packet-read-error>
    <dropped-packet-send-error>
      dropped-packet-send-error
    </dropped-packet-send-error>
    <message-table>....</message-table>
  </dhcp-statistics-information>

```

**Description** Statistics from the Dynamic Host Configuration Protocol relay process

## <helper-statistics>

### Usage

```

<helper-statistics>
  <relay-information>....</relay-information>
</helper-statistics>

```

**Description** Port forwarding helper statistics

## <message>

### Usage

```

<dhcp-statistics-information>
  <message-table>
    <message>

```

```
<message-name>
  message-name
</message-name>
<message-count>
  message-count
</message-count>
</message>
</message-table>
</dhcp-statistics-information>
```

**Description** Information about a DHCP or BOOTP message

### <message-table>

#### Usage

```
<dhcp-statistics-information>
  <message-table>
    <message-direction>
      message-direction
    </message-direction>
    <message>....</message>
  </message-table>
</dhcp-statistics-information>
```

**Description** Information about one or more DHCP or bootstrap protocol (BOOTP) messages sent or received by the DHCP relay process

### <relay-information>

#### Usage

```
<helper-statistics>
  <relay-information>
    <bootp-received-packets>
      bootp-received-packets
    </bootp-received-packets>
    <bootp-forwarded-packets>
      bootp-forwarded-packets
    </bootp-forwarded-packets>
    <bootp-dropped-packets>
      bootp-dropped-packets
    </bootp-dropped-packets>
    <bootp-dropped-packets-nointerface>
      bootp-dropped-packets-nointerface
    </bootp-dropped-packets-nointerface>
    <bootp-dropped-packets-nortinst>
      bootp-dropped-packets-nortinst
    </bootp-dropped-packets-nortinst>
    <bootp-dropped-packets-badread>
      bootp-dropped-packets-badread
    </bootp-dropped-packets-badread>
    <bootp-dropped-packets-badsend>
      bootp-dropped-packets-badsend
```

```

</bootp-dropped-packets-badsend>
<bootp-dropped-packets-badaddr>
  bootp-dropped-packets-badaddr
</bootp-dropped-packets-badaddr>
<bootp-dropped-packets-nolocaladdr>
  bootp-dropped-packets-nolocaladdr
</bootp-dropped-packets-nolocaladdr>
<bootp-dropped-packets-noroute>
  bootp-dropped-packets-noroute
</bootp-dropped-packets-noroute>
</relay-information>
</helper-statistics>

```

**Description** Port forwarding helper statistics for a DHCP relay service

## Summary of Multicast and IGMP Snooping Response Tags

### <backup-pes>

#### Usage

```

<multicast-backup-pe-groups-information>
<multicast-backup-pe-groups>
  <multicast-backup-pe-group>
    <backup-pes>
      <multicast-backup-pe-address>
        multicast-backup-pe-address
      </multicast-backup-pe-address>
    </backup-pes>
  </multicast-backup-pe-group>
</multicast-backup-pe-groups>
</multicast-backup-pe-groups-information>

```

**Description** Backup PE addresses

### <host-record>

#### Usage

```

<mgm-interface-groups>
<mgm-group>
  <host-record>
    <record-type>
      record-type
    </record-type>
    <receiver>
      receiver
    </receiver>
    <record-timeout>
      record-timeout
    </record-timeout>
  </host-record>
</mgm-group>

```

</mgm-interface-groups>

#### Description

### <host-record>

#### Usage

```
<igmp-group-information>
  <mgm-interface-groups>
    <mgm-group>
      <host-record>
        <record-type>
          record-type
        </record-type>
        <receiver>
          receiver
        </receiver>
        <record-timeout>
          record-timeout
        </record-timeout>
      </host-record>
    </mgm-group>
  </mgm-interface-groups>
</igmp-group-information>
```

#### Description

### <host-record>

#### Usage

```
<mld-group-information>
  <mgm-interface-groups>
    <mgm-group>
      <host-record>
        <record-type>
          record-type
        </record-type>
        <receiver>
          receiver
        </receiver>
        <record-timeout>
          record-timeout
        </record-timeout>
      </host-record>
    </mgm-group>
  </mgm-interface-groups>
</mld-group-information>
```

#### Description

**<host-record>****Usage**

```

<igmp-snooping-group-information-per-learning-domain>
  <mgm-interface-groups>
    <mgm-group>
      <host-record>
        <record-type>
          record-type
        </record-type>
        <receiver>
          receiver
        </receiver>
        <record-timeout>
          record-timeout
        </record-timeout>
      </host-record>
    </mgm-group>
  </mgm-interface-groups>
</igmp-snooping-group-information-per-learning-domain>

```

**Description****<host-record>****Usage**

```

<igmp-snooping-group-information-per-bridge-domain>
  <igmp-snooping-group-information-per-learning-domain>
    <mgm-interface-groups>
      <mgm-group>
        <host-record>
          <record-type>
            record-type
          </record-type>
          <receiver>
            receiver
          </receiver>
          <record-timeout>
            record-timeout
          </record-timeout>
        </host-record>
      </mgm-group>
    </mgm-interface-groups>
  </igmp-snooping-group-information-per-learning-domain>
</igmp-snooping-group-information-per-bridge-domain>

```

**Description****<host-record>****Usage**

```

<igmp-snooping-group-information-per-instance>
  <igmp-snooping-group-information-per-bridge-domain>

```

```
<igmp-snooping-group-information-per-learning-domain>
  <mgm-interface-groups>
    <mgm-group>
      <host-record>
        <record-type>
          record-type
        </record-type>
        <receiver>
          receiver
        </receiver>
        <record-timeout>
          record-timeout
        </record-timeout>
      </host-record>
    </mgm-group>
  </mgm-interface-groups>
</igmp-snooping-group-information-per-learning-domain>
</igmp-snooping-group-information-per-bridge-domain>
</igmp-snooping-group-information-per-instance>
```

#### Description

#### <host-record>

#### Usage

```
<igmp-snooping-group-information-root>
  <igmp-snooping-group-information-per-instance>
  <igmp-snooping-group-information-per-bridge-domain>
  <igmp-snooping-group-information-per-learning-domain>
    <mgm-interface-groups>
      <mgm-group>
        <host-record>
          <record-type>
            record-type
          </record-type>
          <receiver>
            receiver
          </receiver>
          <record-timeout>
            record-timeout
          </record-timeout>
        </host-record>
      </mgm-group>
    </mgm-interface-groups>
  </igmp-snooping-group-information-per-learning-domain>
  </igmp-snooping-group-information-per-bridge-domain>
  </igmp-snooping-group-information-per-instance>
</igmp-snooping-group-information-root>
```

#### Description

**<iflist-next-hop>****Usage**

```

<multicast-next-hops-information>
  <next-hops-family>
    <iflist-next-hop>
      <next-hop-id>
        next-hop-id
      </next-hop-id>
      <next-hop-ref-count>
        next-hop-ref-count
      </next-hop-ref-count>
      <next-hop-kernel-ref-count>
        next-hop-kernel-ref-count
      </next-hop-kernel-ref-count>
      <next-hop-downstream-interface>....</next-hop-downstream-interface>
    </iflist-next-hop>
  </next-hops-family>
</multicast-next-hops-information>

```

**Description****<igmp-group-information>****Usage**

```

<igmp-group-information>
  <mgm-interface-groups>....</mgm-interface-groups>
</igmp-group-information>

```

**Description****<igmp-hosts-information>****Usage**

```

<igmp-hosts-information>
  <mgm-disabled-interface-name>
    mgm-disabled-interface-name
  </mgm-disabled-interface-name>
  <mgm-interface>....</mgm-interface>
</igmp-hosts-information>

```

**Description****<igmp-interface-information>****Usage**

```

<igmp-interface-information>
  <mgm-interface>....</mgm-interface>
  <mgm-configured-parameters>....</mgm-configured-parameters>
  <mgm-derived-parameters>....</mgm-derived-parameters>
  <mgm-amt-configured-parameters>....</mgm-amt-configured-parameters>
  <mgm-amt-derived-parameters>....</mgm-amt-derived-parameters>

```

</igmp-interface-information>

#### Description

### <igmp-output-group-information>

#### Usage

```
<igmp-output-group-information>  
<mgm-interface-output-groups>....</mgm-interface-output-groups>  
</igmp-output-group-information>
```

#### Description

### <igmp-snooping-group-information-per-bridge-domain>

#### Usage

```
<igmp-snooping-group-information-per-bridge-domain>  
  <bridge-domain>  
    bridge-domain  
  </bridge-domain>  
  
<igmp-snooping-group-information-per-learning-domain>..</igmp-snooping-group-information-per-learning-domain>  
  
</igmp-snooping-group-information-per-bridge-domain>
```

#### Description

### <igmp-snooping-group-information-per-bridge-domain>

#### Usage

```
<igmp-snooping-group-information-per-instance>  
  <igmp-snooping-group-information-per-bridge-domain>  
    <bridge-domain>  
      bridge-domain  
    </bridge-domain>  
  
<igmp-snooping-group-information-per-learning-domain>..</igmp-snooping-group-information-per-learning-domain>  
  
  </igmp-snooping-group-information-per-bridge-domain>  
</igmp-snooping-group-information-per-instance>
```

#### Description

### <igmp-snooping-group-information-per-bridge-domain>

#### Usage

```
<igmp-snooping-group-information-root>  
  <igmp-snooping-group-information-per-instance>  
    <igmp-snooping-group-information-per-bridge-domain>  
      <bridge-domain>  
        bridge-domain  
      </bridge-domain>
```



```

<igmp-snooping-group-information-per-learning-domain>_</igmp-snooping-group-information-per-learning-domain>

    </igmp-snooping-group-information-per-bridge-domain>
    </igmp-snooping-group-information-per-instance>
</igmp-snooping-group-information-root>

```

#### Description

### <igmp-snooping-group-information-per-instance>

#### Usage

```

<igmp-snooping-group-information-per-instance>
  <instance-name>
    instance-name
  </instance-name>
  <mgm-disabled-learning-domain>
    mgm-disabled-learning-domain
  </mgm-disabled-learning-domain>

<igmp-snooping-group-information-per-bridge-domain>_</igmp-snooping-group-information-per-bridge-domain>

</igmp-snooping-group-information-per-instance>

```

#### Description

### <igmp-snooping-group-information-per-instance>

#### Usage

```

<igmp-snooping-group-information-root>
  <igmp-snooping-group-information-per-instance>
    <instance-name>
      instance-name
    </instance-name>
    <mgm-disabled-learning-domain>
      mgm-disabled-learning-domain
    </mgm-disabled-learning-domain>

<igmp-snooping-group-information-per-bridge-domain>_</igmp-snooping-group-information-per-bridge-domain>

    </igmp-snooping-group-information-per-instance>
  </igmp-snooping-group-information-root>

```

#### Description

### <igmp-snooping-group-information-per-learning-domain>

#### Usage

```

<igmp-snooping-group-information-per-learning-domain>
  <learning-domain>
    learning-domain
  </learning-domain>
<mgm-interface-groups>....</mgm-interface-groups>

```

```
</igmp-snooping-group-information-per-learning-domain>
```

#### Description

```
<igmp-snooping-group-information-per-learning-domain>
```

#### Usage

```
<igmp-snooping-group-information-per-bridge-domain>  
  <igmp-snooping-group-information-per-learning-domain>  
    <learning-domain>  
      learning-domain  
    </learning-domain>  
  <mgm-interface-groups>....</mgm-interface-groups>  
</igmp-snooping-group-information-per-learning-domain>  
</igmp-snooping-group-information-per-bridge-domain>
```

#### Description

```
<igmp-snooping-group-information-per-learning-domain>
```

#### Usage

```
<igmp-snooping-group-information-per-instance>  
  <igmp-snooping-group-information-per-bridge-domain>  
    <igmp-snooping-group-information-per-learning-domain>  
      <learning-domain>  
        learning-domain  
      </learning-domain>  
    <mgm-interface-groups>....</mgm-interface-groups>  
  </igmp-snooping-group-information-per-learning-domain>  
</igmp-snooping-group-information-per-bridge-domain>  
</igmp-snooping-group-information-per-instance>
```

#### Description

```
<igmp-snooping-group-information-per-learning-domain>
```

#### Usage

```
<igmp-snooping-group-information-root>  
  <igmp-snooping-group-information-per-instance>  
    <igmp-snooping-group-information-per-bridge-domain>  
      <igmp-snooping-group-information-per-learning-domain>  
        <learning-domain>  
          learning-domain  
        </learning-domain>  
      <mgm-interface-groups>....</mgm-interface-groups>  
    </igmp-snooping-group-information-per-learning-domain>  
  </igmp-snooping-group-information-per-bridge-domain>  
</igmp-snooping-group-information-per-instance>  
</igmp-snooping-group-information-root>
```

#### Description

### <igmp-snooping-group-information-root>

#### Usage

```

<igmp-snooping-group-information-root>

<igmp-snooping-group-information-per-instance>...</igmp-snooping-group-information-per-instance>

</igmp-snooping-group-information-root>

```

#### Description

### <igmp-snooping-host-information-per-bridge-domain>

#### Usage

```

<igmp-snooping-host-information-per-bridge-domain>
  <bridge-domain>
    bridge-domain
  </bridge-domain>

<igmp-snooping-host-information-per-learning-domain>...</igmp-snooping-host-information-per-learning-domain>

</igmp-snooping-host-information-per-bridge-domain>

```

#### Description

### <igmp-snooping-host-information-per-bridge-domain>

#### Usage

```

<igmp-snooping-host-information-per-instance>
  <igmp-snooping-host-information-per-bridge-domain>
    <bridge-domain>
      bridge-domain
    </bridge-domain>

<igmp-snooping-host-information-per-learning-domain>...</igmp-snooping-host-information-per-learning-domain>

  </igmp-snooping-host-information-per-bridge-domain>
</igmp-snooping-host-information-per-instance>

```

#### Description

### <igmp-snooping-host-information-per-bridge-domain>

#### Usage

```

<igmp-snooping-host-information-root>
  <igmp-snooping-host-information-per-instance>
    <igmp-snooping-host-information-per-bridge-domain>
      <bridge-domain>
        bridge-domain
      </bridge-domain>

<igmp-snooping-host-information-per-learning-domain>...</igmp-snooping-host-information-per-learning-domain>

```

```
</igmp-snooping-host-information-per-bridge-domain>
</igmp-snooping-host-information-per-instance>
</igmp-snooping-host-information-root>
```

#### Description

### <igmp-snooping-host-information-per-instance>

#### Usage

```
<igmp-snooping-host-information-per-instance>
  <instance-name>
    instance-name
  </instance-name>
  <mgm-disabled-learning-domain>
    mgm-disabled-learning-domain
  </mgm-disabled-learning-domain>

<igmp-snooping-host-information-per-bridge-domain>_</igmp-snooping-host-information-per-bridge-domain>

</igmp-snooping-host-information-per-instance>
```

#### Description

### <igmp-snooping-host-information-per-instance>

#### Usage

```
<igmp-snooping-host-information-root>
  <igmp-snooping-host-information-per-instance>
    <instance-name>
      instance-name
    </instance-name>
    <mgm-disabled-learning-domain>
      mgm-disabled-learning-domain
    </mgm-disabled-learning-domain>

  <igmp-snooping-host-information-per-bridge-domain>_</igmp-snooping-host-information-per-bridge-domain>

  </igmp-snooping-host-information-per-instance>
</igmp-snooping-host-information-root>
```

#### Description

### <igmp-snooping-host-information-per-learning-domain>

#### Usage

```
<igmp-snooping-host-information-per-learning-domain>
  <learning-domain>
    learning-domain
  </learning-domain>
  <mgm-interface>....</mgm-interface>
</igmp-snooping-host-information-per-learning-domain>
```

**Description****<igmp-snooping-host-information-per-learning-domain>****Usage**

```

<igmp-snooping-host-information-per-bridge-domain>
<igmp-snooping-host-information-per-learning-domain>
  <learning-domain>
    learning-domain
  </learning-domain>
  <mgm-interface>....</mgm-interface>
</igmp-snooping-host-information-per-learning-domain>
</igmp-snooping-host-information-per-bridge-domain>

```

**Description****<igmp-snooping-host-information-per-learning-domain>****Usage**

```

<igmp-snooping-host-information-per-instance>
<igmp-snooping-host-information-per-bridge-domain>
  <igmp-snooping-host-information-per-learning-domain>
    <learning-domain>
      learning-domain
    </learning-domain>
    <mgm-interface>....</mgm-interface>
  </igmp-snooping-host-information-per-learning-domain>
</igmp-snooping-host-information-per-bridge-domain>
</igmp-snooping-host-information-per-instance>

```

**Description****<igmp-snooping-host-information-per-learning-domain>****Usage**

```

<igmp-snooping-host-information-root>
<igmp-snooping-host-information-per-instance>
  <igmp-snooping-host-information-per-bridge-domain>
    <igmp-snooping-host-information-per-learning-domain>
      <learning-domain>
        learning-domain
      </learning-domain>
      <mgm-interface>....</mgm-interface>
    </igmp-snooping-host-information-per-learning-domain>
  </igmp-snooping-host-information-per-bridge-domain>
</igmp-snooping-host-information-per-instance>
</igmp-snooping-host-information-root>

```

**Description**

## <igmp-snooping-host-information-root>

### Usage

```
<igmp-snooping-host-information-root>
  <igmp-snooping-host-information-per-instance>....</igmp-snooping-host-information-per-instance>
</igmp-snooping-host-information-root>
```

### Description

## <igmp-snooping-interface-information-per-bridge-domain>

### Usage

```
<igmp-snooping-interface-information-per-bridge-domain>
  <bridge-domain>
    bridge-domain
  </bridge-domain>

  <igmp-snooping-interface-information-per-learning-domain>...</igmp-snooping-interface-information-per-learning-domain>

  <mgm-configured-parameters>....</mgm-configured-parameters>
  <mgm-derived-parameters>....</mgm-derived-parameters>
</igmp-snooping-interface-information-per-bridge-domain>
```

### Description

## <igmp-snooping-interface-information-per-bridge-domain>

### Usage

```
<igmp-snooping-interface-information-per-instance>
  <igmp-snooping-interface-information-per-bridge-domain>
    <bridge-domain>
      bridge-domain
    </bridge-domain>

    <igmp-snooping-interface-information-per-learning-domain>...</igmp-snooping-interface-information-per-learning-domain>

    <mgm-configured-parameters>....</mgm-configured-parameters>
    <mgm-derived-parameters>....</mgm-derived-parameters>
  </igmp-snooping-interface-information-per-bridge-domain>
</igmp-snooping-interface-information-per-instance>
```

### Description

## <igmp-snooping-interface-information-per-bridge-domain>

### Usage

```
<igmp-snooping-interface-information-root>
  <igmp-snooping-interface-information-per-instance>
    <igmp-snooping-interface-information-per-bridge-domain>
      <bridge-domain>
```

```

    bridge-domain
  </bridge-domain>

```

```

<igmp-snooping-interface-information-per-learning-domain>.</igmp-snooping-interface-information-per-learning-domain>

    <mgm-configured-parameters>....</mgm-configured-parameters>
    <mgm-derived-parameters>....</mgm-derived-parameters>
  </igmp-snooping-interface-information-per-bridge-domain>
</igmp-snooping-interface-information-per-instance>
</igmp-snooping-interface-information-root>

```

#### Description

### <igmp-snooping-interface-information-per-instance>

#### Usage

```

<igmp-snooping-interface-information-per-instance>
  <instance-name>
    instance-name
  </instance-name>
  <mgm-disabled-learning-domain>
    mgm-disabled-learning-domain
  </mgm-disabled-learning-domain>

<igmp-snooping-interface-information-per-bridge-domain>.</igmp-snooping-interface-information-per-bridge-domain>

</igmp-snooping-interface-information-per-instance>

```

#### Description

### <igmp-snooping-interface-information-per-instance>

#### Usage

```

<igmp-snooping-interface-information-root>
  <igmp-snooping-interface-information-per-instance>
    <instance-name>
      instance-name
    </instance-name>
    <mgm-disabled-learning-domain>
      mgm-disabled-learning-domain
    </mgm-disabled-learning-domain>

<igmp-snooping-interface-information-per-bridge-domain>.</igmp-snooping-interface-information-per-bridge-domain>

    </igmp-snooping-interface-information-per-instance>
  </igmp-snooping-interface-information-root>

```

#### Description

### <igmp-snooping-interface-information-per-learning-domain>

#### Usage

```

<igmp-snooping-interface-information-per-learning-domain>

```

```
<learning-domain>
  learning-domain
</learning-domain>
<mgm-snooping-interface>....</mgm-snooping-interface>
<mgm-configured-parameters>....</mgm-configured-parameters>
<mgm-derived-parameters>....</mgm-derived-parameters>
</igmp-snooping-interface-information-per-learning-domain>
```

#### Description

### <igmp-snooping-interface-information-per-learning-domain>

#### Usage

```
<igmp-snooping-interface-information-per-bridge-domain>
<igmp-snooping-interface-information-per-learning-domain>
  <learning-domain>
    learning-domain
  </learning-domain>
  <mgm-snooping-interface>....</mgm-snooping-interface>
  <mgm-configured-parameters>....</mgm-configured-parameters>
  <mgm-derived-parameters>....</mgm-derived-parameters>
</igmp-snooping-interface-information-per-learning-domain>
</igmp-snooping-interface-information-per-bridge-domain>
```

#### Description

### <igmp-snooping-interface-information-per-learning-domain>

#### Usage

```
<igmp-snooping-interface-information-per-instance>
<igmp-snooping-interface-information-per-bridge-domain>
  <igmp-snooping-interface-information-per-learning-domain>
    <learning-domain>
      learning-domain
    </learning-domain>
    <mgm-snooping-interface>....</mgm-snooping-interface>
    <mgm-configured-parameters>....</mgm-configured-parameters>
    <mgm-derived-parameters>....</mgm-derived-parameters>
  </igmp-snooping-interface-information-per-learning-domain>
</igmp-snooping-interface-information-per-bridge-domain>
</igmp-snooping-interface-information-per-instance>
```

#### Description

### <igmp-snooping-interface-information-per-learning-domain>

#### Usage

```
<igmp-snooping-interface-information-root>
<igmp-snooping-interface-information-per-instance>
  <igmp-snooping-interface-information-per-bridge-domain>
    <igmp-snooping-interface-information-per-learning-domain>
      <learning-domain>
        learning-domain
```



```

</learning-domain>
<mgm-snooping-interface>....</mgm-snooping-interface>
<mgm-configured-parameters>....</mgm-configured-parameters>
<mgm-derived-parameters>....</mgm-derived-parameters>
</igmp-snooping-interface-information-per-learning-domain>
</igmp-snooping-interface-information-per-bridge-domain>
</igmp-snooping-interface-information-per-instance>
</igmp-snooping-interface-information-root>

```

#### Description

### <igmp-snooping-interface-information-root>

#### Usage

```

<igmp-snooping-interface-information-root>

<igmp-snooping-interface-information-per-instance>...</igmp-snooping-interface-information-per-instance>

</igmp-snooping-interface-information-root>

```

#### Description

### <igmp-statistics-information>

#### Usage

```

<igmp-statistics-information>
<mgm-statistics-interface>....</mgm-statistics-interface>
<mgm-statistics-other>....</mgm-statistics-other>
<mgm-statistics-global>....</mgm-statistics-global>
<mgm-statistics-all>....</mgm-statistics-all>
</igmp-statistics-information>

```

#### Description

### <mc-stats-interface>

#### Usage

```

<multicast-statistics-information>
<multicast-statistics>
<mc-stats-interface>
  <interface-name>
    interface-name
  </interface-name>
  <protocol-name>
    protocol-name
  </protocol-name>
  <mc-mismatch-errors>
    mc-mismatch-errors
  </mc-mismatch-errors>
  <mc-mismatches>
    mc-mismatches
  </mc-mismatches>
  <mc-mismatches-no-route>

```

```
    mc-mismatches-no-route
  </mc-mismatches-no-route>
  <mc-resolves>
    mc-resolves
  </mc-resolves>
  <mc-routing-notifies>
    mc-routing-notifies
  </mc-routing-notifies>
  <mc-resolves-no-route>
    mc-resolves-no-route
  </mc-resolves-no-route>
  <mc-resolve-errors>
    mc-resolve-errors
  </mc-resolve-errors>
  <mc-resolves-filtered>
    mc-resolves-filtered
  </mc-resolves-filtered>
  <mc-routing-notifies-filtered>
    mc-routing-notifies-filtered
  </mc-routing-notifies-filtered>
  <mc-input-kbytes>
    mc-input-kbytes
  </mc-input-kbytes>
  <mc-input-packets>
    mc-input-packets
  </mc-input-packets>
  <mc-output-kbytes>
    mc-output-kbytes
  </mc-output-kbytes>
  <mc-output-packets>
    mc-output-packets
  </mc-output-packets>
</mc-stats-interface>
</multicast-statistics>
</multicast-statistics-information>
```

## Description

### <mgm-amt-configured-parameters>

#### Usage

```
<mgm-amt-configured-parameters>
  <query-interval>
    query-interval
  </query-interval>
  <query-response-interval>
    query-response-interval
  </query-response-interval>
  <last-member-query-interval>
    last-member-query-interval
  </last-member-query-interval>
  <robustness-count>
    robustness-count
  </robustness-count>
```

</mgm-amt-configured-parameters>

#### Description

### <mgm-amt-configured-parameters>

#### Usage

```
<igmp-interface-information>
  <mgm-amt-configured-parameters>
    <query-interval>
      query-interval
    </query-interval>
    <query-response-interval>
      query-response-interval
    </query-response-interval>
    <last-member-query-interval>
      last-member-query-interval
    </last-member-query-interval>
    <robustness-count>
      robustness-count
    </robustness-count>
  </mgm-amt-configured-parameters>
</igmp-interface-information>
```

#### Description

### <mgm-amt-derived-parameters>

#### Usage

```
<mgm-amt-derived-parameters>
  <membership-timeout>
    membership-timeout
  </membership-timeout>
  <query-other-timeout>
    query-other-timeout
  </query-other-timeout>
</mgm-amt-derived-parameters>
```

#### Description

### <mgm-amt-derived-parameters>

#### Usage

```
<igmp-interface-information>
  <mgm-amt-derived-parameters>
    <membership-timeout>
      membership-timeout
    </membership-timeout>
    <query-other-timeout>
      query-other-timeout
    </query-other-timeout>
  </mgm-amt-derived-parameters>
```

</igmp-interface-information>

#### Description

### <mgm-configured-parameters>

#### Usage

```
<mgm-configured-parameters>
  <query-interval>
    query-interval
  </query-interval>
  <query-response-interval>
    query-response-interval
  </query-response-interval>
  <last-member-query-interval>
    last-member-query-interval
  </last-member-query-interval>
  <robustness-count>
    robustness-count
  </robustness-count>
</mgm-configured-parameters>
```

#### Description

### <mgm-configured-parameters>

#### Usage

```
<igmp-interface-information>
  <mgm-configured-parameters>
    <query-interval>
      query-interval
    </query-interval>
    <query-response-interval>
      query-response-interval
    </query-response-interval>
    <last-member-query-interval>
      last-member-query-interval
    </last-member-query-interval>
    <robustness-count>
      robustness-count
    </robustness-count>
  </mgm-configured-parameters>
</igmp-interface-information>
```

#### Description

### <mgm-configured-parameters>

#### Usage

```
<mld-interface-information>
  <mgm-configured-parameters>
    <query-interval>
      query-interval
    </query-interval>
  </mgm-configured-parameters>
</mld-interface-information>
```

```

</query-interval>
<query-response-interval>
  query-response-interval
</query-response-interval>
<last-member-query-interval>
  last-member-query-interval
</last-member-query-interval>
<robustness-count>
  robustness-count
</robustness-count>
</mgm-configured-parameters>
</mld-interface-information>

```

#### Description

#### <mgm-configured-parameters>

##### Usage

```

<igmp-snooping-interface-information-per-learning-domain>
  <mgm-configured-parameters>
    <query-interval>
      query-interval
    </query-interval>
    <query-response-interval>
      query-response-interval
    </query-response-interval>
    <last-member-query-interval>
      last-member-query-interval
    </last-member-query-interval>
    <robustness-count>
      robustness-count
    </robustness-count>
  </mgm-configured-parameters>
</igmp-snooping-interface-information-per-learning-domain>

```

#### Description

#### <mgm-configured-parameters>

##### Usage

```

<igmp-snooping-interface-information-per-bridge-domain>
  <igmp-snooping-interface-information-per-learning-domain>
    <mgm-configured-parameters>
      <query-interval>
        query-interval
      </query-interval>
      <query-response-interval>
        query-response-interval
      </query-response-interval>
      <last-member-query-interval>
        last-member-query-interval
      </last-member-query-interval>
      <robustness-count>
        robustness-count
    </mgm-configured-parameters>
  </igmp-snooping-interface-information-per-learning-domain>
</igmp-snooping-interface-information-per-bridge-domain>

```

```
</robustness-count>
</mgm-configured-parameters>
</igmp-snooping-interface-information-per-learning-domain>
</igmp-snooping-interface-information-per-bridge-domain>
```

## Description

### <mgm-configured-parameters>

#### Usage

```
<igmp-snooping-interface-information-per-bridge-domain>
  <mgm-configured-parameters>
    <query-interval>
      query-interval
    </query-interval>
    <query-response-interval>
      query-response-interval
    </query-response-interval>
    <last-member-query-interval>
      last-member-query-interval
    </last-member-query-interval>
    <robustness-count>
      robustness-count
    </robustness-count>
  </mgm-configured-parameters>
</igmp-snooping-interface-information-per-bridge-domain>
```

## Description

### <mgm-configured-parameters>

#### Usage

```
<igmp-snooping-interface-information-per-instance>
  <igmp-snooping-interface-information-per-bridge-domain>
    <igmp-snooping-interface-information-per-learning-domain>
      <mgm-configured-parameters>
        <query-interval>
          query-interval
        </query-interval>
        <query-response-interval>
          query-response-interval
        </query-response-interval>
        <last-member-query-interval>
          last-member-query-interval
        </last-member-query-interval>
        <robustness-count>
          robustness-count
        </robustness-count>
      </mgm-configured-parameters>
    </igmp-snooping-interface-information-per-learning-domain>
  </igmp-snooping-interface-information-per-bridge-domain>
</igmp-snooping-interface-information-per-instance>
```

## Description

## &lt;mgm-configured-parameters&gt;

## Usage

```

<igmp-snooping-interface-information-per-instance>
<igmp-snooping-interface-information-per-bridge-domain>
  <mgm-configured-parameters>
    <query-interval>
      query-interval
    </query-interval>
    <query-response-interval>
      query-response-interval
    </query-response-interval>
    <last-member-query-interval>
      last-member-query-interval
    </last-member-query-interval>
    <robustness-count>
      robustness-count
    </robustness-count>
  </mgm-configured-parameters>
</igmp-snooping-interface-information-per-bridge-domain>
</igmp-snooping-interface-information-per-instance>

```

## Description

## &lt;mgm-configured-parameters&gt;

## Usage

```

<igmp-snooping-interface-information-root>
<igmp-snooping-interface-information-per-instance>
  <igmp-snooping-interface-information-per-bridge-domain>
    <igmp-snooping-interface-information-per-learning-domain>
      <mgm-configured-parameters>
        <query-interval>
          query-interval
        </query-interval>
        <query-response-interval>
          query-response-interval
        </query-response-interval>
        <last-member-query-interval>
          last-member-query-interval
        </last-member-query-interval>
        <robustness-count>
          robustness-count
        </robustness-count>
      </mgm-configured-parameters>
    </igmp-snooping-interface-information-per-learning-domain>
  </igmp-snooping-interface-information-per-bridge-domain>
</igmp-snooping-interface-information-per-instance>
</igmp-snooping-interface-information-root>

```

## Description

## <mgm-configured-parameters>

### Usage

```
<igmp-snooping-interface-information-root>
<igmp-snooping-interface-information-per-instance>
<igmp-snooping-interface-information-per-bridge-domain>
  <mgm-configured-parameters>
    <query-interval>
      query-interval
    </query-interval>
    <query-response-interval>
      query-response-interval
    </query-response-interval>
    <last-member-query-interval>
      last-member-query-interval
    </last-member-query-interval>
    <robustness-count>
      robustness-count
    </robustness-count>
  </mgm-configured-parameters>
</igmp-snooping-interface-information-per-bridge-domain>
</igmp-snooping-interface-information-per-instance>
</igmp-snooping-interface-information-root>
```

### Description

## <mgm-derived-parameters>

### Usage

```
<mgm-derived-parameters>
  <membership-timeout>
    membership-timeout
  </membership-timeout>
  <query-other-timeout>
    query-other-timeout
  </query-other-timeout>
</mgm-derived-parameters>
```

### Description

## <mgm-derived-parameters>

### Usage

```
<igmp-interface-information>
  <mgm-derived-parameters>
    <membership-timeout>
      membership-timeout
    </membership-timeout>
    <query-other-timeout>
      query-other-timeout
    </query-other-timeout>
  </mgm-derived-parameters>
```



```
</igmp-interface-information>
```

#### Description

```
<mgm-derived-parameters>
```

#### Usage

```
<mld-interface-information>
  <mgm-derived-parameters>
    <membership-timeout>
      membership-timeout
    </membership-timeout>
    <query-other-timeout>
      query-other-timeout
    </query-other-timeout>
  </mgm-derived-parameters>
</mld-interface-information>
```

#### Description

```
<mgm-derived-parameters>
```

#### Usage

```
<igmp-snooping-interface-information-per-learning-domain>
  <mgm-derived-parameters>
    <membership-timeout>
      membership-timeout
    </membership-timeout>
    <query-other-timeout>
      query-other-timeout
    </query-other-timeout>
  </mgm-derived-parameters>
</igmp-snooping-interface-information-per-learning-domain>
```

#### Description

```
<mgm-derived-parameters>
```

#### Usage

```
<igmp-snooping-interface-information-per-bridge-domain>
<igmp-snooping-interface-information-per-learning-domain>
  <mgm-derived-parameters>
    <membership-timeout>
      membership-timeout
    </membership-timeout>
    <query-other-timeout>
      query-other-timeout
    </query-other-timeout>
  </mgm-derived-parameters>
</igmp-snooping-interface-information-per-learning-domain>
</igmp-snooping-interface-information-per-bridge-domain>
```

**Description****<mgm-derived-parameters>****Usage**

```
<igmp-snooping-interface-information-per-bridge-domain>
  <mgm-derived-parameters>
    <membership-timeout>
      membership-timeout
    </membership-timeout>
    <query-other-timeout>
      query-other-timeout
    </query-other-timeout>
  </mgm-derived-parameters>
</igmp-snooping-interface-information-per-bridge-domain>
```

**Description****<mgm-derived-parameters>****Usage**

```
<igmp-snooping-interface-information-per-instance>
  <igmp-snooping-interface-information-per-bridge-domain>
    <igmp-snooping-interface-information-per-learning-domain>
      <mgm-derived-parameters>
        <membership-timeout>
          membership-timeout
        </membership-timeout>
        <query-other-timeout>
          query-other-timeout
        </query-other-timeout>
      </mgm-derived-parameters>
    </igmp-snooping-interface-information-per-learning-domain>
  </igmp-snooping-interface-information-per-bridge-domain>
</igmp-snooping-interface-information-per-instance>
```

**Description****<mgm-derived-parameters>****Usage**

```
<igmp-snooping-interface-information-per-instance>
  <igmp-snooping-interface-information-per-bridge-domain>
    <mgm-derived-parameters>
      <membership-timeout>
        membership-timeout
      </membership-timeout>
      <query-other-timeout>
        query-other-timeout
      </query-other-timeout>
    </mgm-derived-parameters>
  </igmp-snooping-interface-information-per-bridge-domain>
</igmp-snooping-interface-information-per-instance>
```

## Description

## &lt;mgm-derived-parameters&gt;

## Usage

```

<igmp-snooping-interface-information-root>
<igmp-snooping-interface-information-per-instance>
<igmp-snooping-interface-information-per-bridge-domain>
<igmp-snooping-interface-information-per-learning-domain>
  <mgm-derived-parameters>
    <membership-timeout>
      membership-timeout
    </membership-timeout>
    <query-other-timeout>
      query-other-timeout
    </query-other-timeout>
  </mgm-derived-parameters>
</igmp-snooping-interface-information-per-learning-domain>
</igmp-snooping-interface-information-per-bridge-domain>
</igmp-snooping-interface-information-per-instance>
</igmp-snooping-interface-information-root>

```

## Description

## &lt;mgm-derived-parameters&gt;

## Usage

```

<igmp-snooping-interface-information-root>
<igmp-snooping-interface-information-per-instance>
<igmp-snooping-interface-information-per-bridge-domain>
  <mgm-derived-parameters>
    <membership-timeout>
      membership-timeout
    </membership-timeout>
    <query-other-timeout>
      query-other-timeout
    </query-other-timeout>
  </mgm-derived-parameters>
</igmp-snooping-interface-information-per-bridge-domain>
</igmp-snooping-interface-information-per-instance>
</igmp-snooping-interface-information-root>

```

## Description

## &lt;mgm-group&gt;

## Usage

```

<mgm-interface-groups>
  <mgm-group>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-address>
      multicast-source-address

```

```
</multicast-source-address>
<mgm-source-timeout>
  mgm-source-timeout
</mgm-source-timeout>
<last-address>
  last-address
</last-address>
<mgm-timeout>
  mgm-timeout
</mgm-timeout>
<mgm-type>
  mgm-type
</mgm-type>
<mgm-group-mode-type>
  mgm-group-mode-type
</mgm-group-mode-type>
<host-record>....</host-record>
<reverse-oif>....</reverse-oif>
<mgm-group-output-interface>
  mgm-group-output-interface
</mgm-group-output-interface>
<mgm-output-interface-status>
  mgm-output-interface-status
</mgm-output-interface-status>
</mgm-group>
</mgm-interface-groups>
```

## Description

### <mgm-group>

#### Usage

```
<igmp-group-information>
<mgm-interface-groups>
  <mgm-group>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <mgm-source-timeout>
      mgm-source-timeout
    </mgm-source-timeout>
    <last-address>
      last-address
    </last-address>
    <mgm-timeout>
      mgm-timeout
    </mgm-timeout>
    <mgm-type>
      mgm-type
    </mgm-type>
    <mgm-group-mode-type>
      mgm-group-mode-type
```

```

</mgm-group-mode-type>
<host-record>.....</host-record>
<reverse-oif>.....</reverse-oif>
<mgm-group-output-interface>
  mgm-group-output-interface
</mgm-group-output-interface>
<mgm-output-interface-status>
  mgm-output-interface-status
</mgm-output-interface-status>
</mgm-group>
</mgm-interface-groups>
</igmp-group-information>

```

## Description

### <mgm-group>

#### Usage

```

<mld-group-information>
<mgm-interface-groups>
  <mgm-group>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <mgm-source-timeout>
      mgm-source-timeout
    </mgm-source-timeout>
    <last-address>
      last-address
    </last-address>
    <mgm-timeout>
      mgm-timeout
    </mgm-timeout>
    <mgm-type>
      mgm-type
    </mgm-type>
    <mgm-group-mode-type>
      mgm-group-mode-type
    </mgm-group-mode-type>
    <host-record>.....</host-record>
    <reverse-oif>.....</reverse-oif>
    <mgm-group-output-interface>
      mgm-group-output-interface
    </mgm-group-output-interface>
    <mgm-output-interface-status>
      mgm-output-interface-status
    </mgm-output-interface-status>
  </mgm-group>
</mgm-interface-groups>
</mld-group-information>

```

**Description****<mgm-group>****Usage**

```
<igmp-snooping-group-information-per-learning-domain>
<mgm-interface-groups>
  <mgm-group>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <mgm-source-timeout>
      mgm-source-timeout
    </mgm-source-timeout>
    <last-address>
      last-address
    </last-address>
    <mgm-timeout>
      mgm-timeout
    </mgm-timeout>
    <mgm-type>
      mgm-type
    </mgm-type>
    <mgm-group-mode-type>
      mgm-group-mode-type
    </mgm-group-mode-type>
    <host-record>.....</host-record>
    <reverse-oif>.....</reverse-oif>
    <mgm-group-output-interface>
      mgm-group-output-interface
    </mgm-group-output-interface>
    <mgm-output-interface-status>
      mgm-output-interface-status
    </mgm-output-interface-status>
  </mgm-group>
</mgm-interface-groups>
</igmp-snooping-group-information-per-learning-domain>
```

**Description****<mgm-group>****Usage**

```
<igmp-snooping-group-information-per-bridge-domain>
<igmp-snooping-group-information-per-learning-domain>
<mgm-interface-groups>
  <mgm-group>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-address>
      multicast-source-address
```

```

</multicast-source-address>
<mgm-source-timeout>
  mgm-source-timeout
</mgm-source-timeout>
<last-address>
  last-address
</last-address>
<mgm-timeout>
  mgm-timeout
</mgm-timeout>
<mgm-type>
  mgm-type
</mgm-type>
<mgm-group-mode-type>
  mgm-group-mode-type
</mgm-group-mode-type>
<host-record>....</host-record>
<reverse-oif>....</reverse-oif>
<mgm-group-output-interface>
  mgm-group-output-interface
</mgm-group-output-interface>
<mgm-output-interface-status>
  mgm-output-interface-status
</mgm-output-interface-status>
</mgm-group>
</mgm-interface-groups>
</igmp-snooping-group-information-per-learning-domain>
</igmp-snooping-group-information-per-bridge-domain>

```

## Description

### <mgm-group>

#### Usage

```

<igmp-snooping-group-information-per-instance>
<igmp-snooping-group-information-per-bridge-domain>
<igmp-snooping-group-information-per-learning-domain>
<mgm-interface-groups>
  <mgm-group>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <mgm-source-timeout>
      mgm-source-timeout
    </mgm-source-timeout>
    <last-address>
      last-address
    </last-address>
    <mgm-timeout>
      mgm-timeout
    </mgm-timeout>
    <mgm-type>

```

```
    mgm-type
  </mgm-type>
  <mgm-group-mode-type>
    mgm-group-mode-type
  </mgm-group-mode-type>
  <host-record>....</host-record>
  <reverse-oif>....</reverse-oif>
  <mgm-group-output-interface>
    mgm-group-output-interface
  </mgm-group-output-interface>
  <mgm-output-interface-status>
    mgm-output-interface-status
  </mgm-output-interface-status>
</mgm-group>
</mgm-interface-groups>
</igmp-snooping-group-information-per-learning-domain>
</igmp-snooping-group-information-per-bridge-domain>
</igmp-snooping-group-information-per-instance>
```

#### Description

#### <mgm-group>

#### Usage

```
<igmp-snooping-group-information-root>
<igmp-snooping-group-information-per-instance>
<igmp-snooping-group-information-per-bridge-domain>
<igmp-snooping-group-information-per-learning-domain>
  <mgm-interface-groups>
    <mgm-group>
      <multicast-group-address>
        multicast-group-address
      </multicast-group-address>
      <multicast-source-address>
        multicast-source-address
      </multicast-source-address>
      <mgm-source-timeout>
        mgm-source-timeout
      </mgm-source-timeout>
      <last-address>
        last-address
      </last-address>
      <mgm-timeout>
        mgm-timeout
      </mgm-timeout>
      <mgm-type>
        mgm-type
      </mgm-type>
      <mgm-group-mode-type>
        mgm-group-mode-type
      </mgm-group-mode-type>
      <host-record>....</host-record>
      <reverse-oif>....</reverse-oif>
      <mgm-group-output-interface>
        mgm-group-output-interface
```



```

</mgm-group-output-interface>
<mgm-output-interface-status>
  mgm-output-interface-status
</mgm-output-interface-status>
</mgm-group>
</mgm-interface-groups>
</igmp-snooping-group-information-per-learning-domain>
</igmp-snooping-group-information-per-bridge-domain>
</igmp-snooping-group-information-per-instance>
</igmp-snooping-group-information-root>

```

#### Description

#### <mgm-host>

##### Usage

```

<mgm-interface>
  <mgm-host>
    <mgm-host-address>
      mgm-host-address
    </mgm-host-address>
    <mgm-host-record-count>
      mgm-host-record-count
    </mgm-host-record-count>
  </mgm-host>
</mgm-interface>

```

#### Description

#### <mgm-host>

##### Usage

```

<igmp-interface-information>
  <mgm-interface>
    <mgm-host>
      <mgm-host-address>
        mgm-host-address
      </mgm-host-address>
      <mgm-host-record-count>
        mgm-host-record-count
      </mgm-host-record-count>
    </mgm-host>
  </mgm-interface>
</igmp-interface-information>

```

#### Description

#### <mgm-host>

##### Usage

```

<mld-interface-information>
  <mgm-interface>
    <mgm-host>

```

```
<mgm-host-address>  
  mgm-host-address  
</mgm-host-address>  
<mgm-host-record-count>  
  mgm-host-record-count  
</mgm-host-record-count>  
</mgm-host>  
</mgm-interface>  
</mld-interface-information>
```

#### Description

#### <mgm-host>

##### Usage

```
<igmp-hosts-information>  
  <mgm-interface>  
    <mgm-host>  
      <mgm-host-address>  
        mgm-host-address  
      </mgm-host-address>  
      <mgm-host-record-count>  
        mgm-host-record-count  
      </mgm-host-record-count>  
    </mgm-host>  
  </mgm-interface>  
</igmp-hosts-information>
```

#### Description

#### <mgm-host>

##### Usage

```
<mld-hosts-information>  
  <mgm-interface>  
    <mgm-host>  
      <mgm-host-address>  
        mgm-host-address  
      </mgm-host-address>  
      <mgm-host-record-count>  
        mgm-host-record-count  
      </mgm-host-record-count>  
    </mgm-host>  
  </mgm-interface>  
</mld-hosts-information>
```

#### Description

#### <mgm-host>

##### Usage

```
<igmp-snooping-host-information-per-learning-domain>  
  <mgm-interface>
```

```

<mgm-host>
  <mgm-host-address>
    mgm-host-address
  </mgm-host-address>
  <mgm-host-record-count>
    mgm-host-record-count
  </mgm-host-record-count>
</mgm-host>
</mgm-interface>
</igmp-snooping-host-information-per-learning-domain>

```

#### Description

<mgm-host>

#### Usage

```

<igmp-snooping-host-information-per-bridge-domain>
<igmp-snooping-host-information-per-learning-domain>
  <mgm-interface>
    <mgm-host>
      <mgm-host-address>
        mgm-host-address
      </mgm-host-address>
      <mgm-host-record-count>
        mgm-host-record-count
      </mgm-host-record-count>
    </mgm-host>
  </mgm-interface>
</igmp-snooping-host-information-per-learning-domain>
</igmp-snooping-host-information-per-bridge-domain>

```

#### Description

<mgm-host>

#### Usage

```

<igmp-snooping-host-information-per-instance>
<igmp-snooping-host-information-per-bridge-domain>
<igmp-snooping-host-information-per-learning-domain>
  <mgm-interface>
    <mgm-host>
      <mgm-host-address>
        mgm-host-address
      </mgm-host-address>
      <mgm-host-record-count>
        mgm-host-record-count
      </mgm-host-record-count>
    </mgm-host>
  </mgm-interface>
</igmp-snooping-host-information-per-learning-domain>
</igmp-snooping-host-information-per-bridge-domain>
</igmp-snooping-host-information-per-instance>

```

**Description****<mgm-host>****Usage**

```
<igmp-snooping-host-information-root>
<igmp-snooping-host-information-per-instance>
  <igmp-snooping-host-information-per-bridge-domain>
    <igmp-snooping-host-information-per-learning-domain>
      <mgm-interface>
        <mgm-host>
          <mgm-host-address>
            mgm-host-address
          </mgm-host-address>
          <mgm-host-record-count>
            mgm-host-record-count
          </mgm-host-record-count>
        </mgm-host>
      </mgm-interface>
    </igmp-snooping-host-information-per-learning-domain>
  </igmp-snooping-host-information-per-bridge-domain>
</igmp-snooping-host-information-per-instance>
</igmp-snooping-host-information-root>
```

**Description****<mgm-interface>****Usage**

```
<mgm-interface>
  <interface-name>
    interface-name
  </interface-name>
  <querier-address>
    querier-address
  </querier-address>
  <mgm-interface-state>
    mgm-interface-state
  </mgm-interface-state>
  <querier-timeout>
    querier-timeout
  </querier-timeout>
  <mgm-interface-version>
    mgm-interface-version
  </mgm-interface-version>
  <mgm-group-count>
    mgm-group-count
  </mgm-group-count>
  <mgm-ssm-map>
    mgm-ssm-map
  </mgm-ssm-map>
  <mgm-mc-lag-state>
    mgm-mc-lag-state
  </mgm-mc-lag-state>
  <mgm-immediate-leave>
```

```

    mgm-immediate-leave
  </mgm-immediate-leave>
  <mgm-promiscuous-mode>
    mgm-promiscuous-mode
  </mgm-promiscuous-mode>
  <mgm-passive>
    mgm-passive
  </mgm-passive>
  <mgm-passive-allow-receive>
    mgm-passive-allow-receive
  </mgm-passive-allow-receive>
  <mgm-passive-send-general-query>
    mgm-passive-send-general-query
  </mgm-passive-send-general-query>
  <mgm-passive-send-group-query>
    mgm-passive-send-group-query
  </mgm-passive-send-group-query>
  <mgm-group-limit>
    mgm-group-limit
  </mgm-group-limit>
  <mgm-group-policy>
    mgm-group-policy
  </mgm-group-policy>
  <mgm-oif-map>
    mgm-oif-map
  </mgm-oif-map>
  <mgm-host>....</mgm-host>
</mgm-interface>

```

#### Description

<mgm-interface>

#### Usage

```

<igmp-interface-information>
  <mgm-interface>
    <interface-name>
      interface-name
    </interface-name>
    <querier-address>
      querier-address
    </querier-address>
    <mgm-interface-state>
      mgm-interface-state
    </mgm-interface-state>
    <querier-timeout>
      querier-timeout
    </querier-timeout>
    <mgm-interface-version>
      mgm-interface-version
    </mgm-interface-version>
    <mgm-group-count>
      mgm-group-count
    </mgm-group-count>
    <mgm-ssm-map>

```

```
    mgm-ssm-map
  </mgm-ssm-map>
  <mgm-mc-lag-state>
    mgm-mc-lag-state
  </mgm-mc-lag-state>
  <mgm-immediate-leave>
    mgm-immediate-leave
  </mgm-immediate-leave>
  <mgm-promiscuous-mode>
    mgm-promiscuous-mode
  </mgm-promiscuous-mode>
  <mgm-passive>
    mgm-passive
  </mgm-passive>
  <mgm-passive-allow-receive>
    mgm-passive-allow-receive
  </mgm-passive-allow-receive>
  <mgm-passive-send-general-query>
    mgm-passive-send-general-query
  </mgm-passive-send-general-query>
  <mgm-passive-send-group-query>
    mgm-passive-send-group-query
  </mgm-passive-send-group-query>
  <mgm-group-limit>
    mgm-group-limit
  </mgm-group-limit>
  <mgm-group-policy>
    mgm-group-policy
  </mgm-group-policy>
  <mgm-oif-map>
    mgm-oif-map
  </mgm-oif-map>
  <mgm-host>....</mgm-host>
</mgm-interface>
</igmp-interface-information>
```

## Description

### <mgm-interface>

#### Usage

```
<mld-interface-information>
  <mgm-interface>
    <interface-name>
      interface-name
    </interface-name>
    <querier-address>
      querier-address
    </querier-address>
    <mgm-interface-state>
      mgm-interface-state
    </mgm-interface-state>
    <querier-timeout>
      querier-timeout
    </querier-timeout>
```

```

<mgm-interface-version>
  mgm-interface-version
</mgm-interface-version>
<mgm-group-count>
  mgm-group-count
</mgm-group-count>
<mgm-ssm-map>
  mgm-ssm-map
</mgm-ssm-map>
<mgm-mc-lag-state>
  mgm-mc-lag-state
</mgm-mc-lag-state>
<mgm-immediate-leave>
  mgm-immediate-leave
</mgm-immediate-leave>
<mgm-promiscuous-mode>
  mgm-promiscuous-mode
</mgm-promiscuous-mode>
<mgm-passive>
  mgm-passive
</mgm-passive>
<mgm-passive-allow-receive>
  mgm-passive-allow-receive
</mgm-passive-allow-receive>
<mgm-passive-send-general-query>
  mgm-passive-send-general-query
</mgm-passive-send-general-query>
<mgm-passive-send-group-query>
  mgm-passive-send-group-query
</mgm-passive-send-group-query>
<mgm-group-limit>
  mgm-group-limit
</mgm-group-limit>
<mgm-group-policy>
  mgm-group-policy
</mgm-group-policy>
<mgm-oif-map>
  mgm-oif-map
</mgm-oif-map>
<mgm-host>....</mgm-host>
</mgm-interface>
</mld-interface-information>

```

#### Description

<mgm-interface>

#### Usage

```

<igmp-hosts-information>
  <mgm-interface>
    <interface-name>
      interface-name
    </interface-name>
    <querier-address>
      querier-address

```

```
</querier-address>
<mgm-interface-state>
  mgm-interface-state
</mgm-interface-state>
<querier-timeout>
  querier-timeout
</querier-timeout>
<mgm-interface-version>
  mgm-interface-version
</mgm-interface-version>
<mgm-group-count>
  mgm-group-count
</mgm-group-count>
<mgm-ssm-map>
  mgm-ssm-map
</mgm-ssm-map>
<mgm-mc-lag-state>
  mgm-mc-lag-state
</mgm-mc-lag-state>
<mgm-immediate-leave>
  mgm-immediate-leave
</mgm-immediate-leave>
<mgm-promiscuous-mode>
  mgm-promiscuous-mode
</mgm-promiscuous-mode>
<mgm-passive>
  mgm-passive
</mgm-passive>
<mgm-passive-allow-receive>
  mgm-passive-allow-receive
</mgm-passive-allow-receive>
<mgm-passive-send-general-query>
  mgm-passive-send-general-query
</mgm-passive-send-general-query>
<mgm-passive-send-group-query>
  mgm-passive-send-group-query
</mgm-passive-send-group-query>
<mgm-group-limit>
  mgm-group-limit
</mgm-group-limit>
<mgm-group-policy>
  mgm-group-policy
</mgm-group-policy>
<mgm-oif-map>
  mgm-oif-map
</mgm-oif-map>
<mgm-host>....</mgm-host>
</mgm-interface>
</igmp-hosts-information>
```

## Description



## &lt;mgm-interface&gt;

## Usage

```

<mld-hosts-information>
  <mgm-interface>
    <interface-name>
      interface-name
    </interface-name>
    <querier-address>
      querier-address
    </querier-address>
    <mgm-interface-state>
      mgm-interface-state
    </mgm-interface-state>
    <querier-timeout>
      querier-timeout
    </querier-timeout>
    <mgm-interface-version>
      mgm-interface-version
    </mgm-interface-version>
    <mgm-group-count>
      mgm-group-count
    </mgm-group-count>
    <mgm-ssm-map>
      mgm-ssm-map
    </mgm-ssm-map>
    <mgm-mc-lag-state>
      mgm-mc-lag-state
    </mgm-mc-lag-state>
    <mgm-immediate-leave>
      mgm-immediate-leave
    </mgm-immediate-leave>
    <mgm-promiscuous-mode>
      mgm-promiscuous-mode
    </mgm-promiscuous-mode>
    <mgm-passive>
      mgm-passive
    </mgm-passive>
    <mgm-passive-allow-receive>
      mgm-passive-allow-receive
    </mgm-passive-allow-receive>
    <mgm-passive-send-general-query>
      mgm-passive-send-general-query
    </mgm-passive-send-general-query>
    <mgm-passive-send-group-query>
      mgm-passive-send-group-query
    </mgm-passive-send-group-query>
    <mgm-group-limit>
      mgm-group-limit
    </mgm-group-limit>
    <mgm-group-policy>
      mgm-group-policy
    </mgm-group-policy>
    <mgm-oif-map>
      mgm-oif-map

```

```
</mgm-oif-map>
<mgm-host>....</mgm-host>
</mgm-interface>
</mld-hosts-information>
```

## Description

### <mgm-interface>

#### Usage

```
<igmp-snooping-host-information-per-learning-domain>
<mgm-interface>
  <interface-name>
    interface-name
  </interface-name>
  <querier-address>
    querier-address
  </querier-address>
  <mgm-interface-state>
    mgm-interface-state
  </mgm-interface-state>
  <querier-timeout>
    querier-timeout
  </querier-timeout>
  <mgm-interface-version>
    mgm-interface-version
  </mgm-interface-version>
  <mgm-group-count>
    mgm-group-count
  </mgm-group-count>
  <mgm-ssm-map>
    mgm-ssm-map
  </mgm-ssm-map>
  <mgm-mc-lag-state>
    mgm-mc-lag-state
  </mgm-mc-lag-state>
  <mgm-immediate-leave>
    mgm-immediate-leave
  </mgm-immediate-leave>
  <mgm-promiscuous-mode>
    mgm-promiscuous-mode
  </mgm-promiscuous-mode>
  <mgm-passive>
    mgm-passive
  </mgm-passive>
  <mgm-passive-allow-receive>
    mgm-passive-allow-receive
  </mgm-passive-allow-receive>
  <mgm-passive-send-general-query>
    mgm-passive-send-general-query
  </mgm-passive-send-general-query>
  <mgm-passive-send-group-query>
    mgm-passive-send-group-query
  </mgm-passive-send-group-query>
  <mgm-group-limit>
```

```

    mgm-group-limit
  </mgm-group-limit>
  <mgm-group-policy>
    mgm-group-policy
  </mgm-group-policy>
  <mgm-oif-map>
    mgm-oif-map
  </mgm-oif-map>
  <mgm-host>....</mgm-host>
</mgm-interface>
</igmp-snooping-host-information-per-learning-domain>

```

## Description

### <mgm-interface>

#### Usage

```

<igmp-snooping-host-information-per-bridge-domain>
<igmp-snooping-host-information-per-learning-domain>
  <mgm-interface>
    <interface-name>
      interface-name
    </interface-name>
    <querier-address>
      querier-address
    </querier-address>
    <mgm-interface-state>
      mgm-interface-state
    </mgm-interface-state>
    <querier-timeout>
      querier-timeout
    </querier-timeout>
    <mgm-interface-version>
      mgm-interface-version
    </mgm-interface-version>
    <mgm-group-count>
      mgm-group-count
    </mgm-group-count>
    <mgm-ssm-map>
      mgm-ssm-map
    </mgm-ssm-map>
    <mgm-mc-lag-state>
      mgm-mc-lag-state
    </mgm-mc-lag-state>
    <mgm-immediate-leave>
      mgm-immediate-leave
    </mgm-immediate-leave>
    <mgm-promiscuous-mode>
      mgm-promiscuous-mode
    </mgm-promiscuous-mode>
    <mgm-passive>
      mgm-passive
    </mgm-passive>
    <mgm-passive-allow-receive>
      mgm-passive-allow-receive

```

```
</mgm-passive-allow-receive>
<mgm-passive-send-general-query>
  mgm-passive-send-general-query
</mgm-passive-send-general-query>
<mgm-passive-send-group-query>
  mgm-passive-send-group-query
</mgm-passive-send-group-query>
<mgm-group-limit>
  mgm-group-limit
</mgm-group-limit>
<mgm-group-policy>
  mgm-group-policy
</mgm-group-policy>
<mgm-oif-map>
  mgm-oif-map
</mgm-oif-map>
<mgm-host>....</mgm-host>
</mgm-interface>
</igmp-snooping-host-information-per-learning-domain>
</igmp-snooping-host-information-per-bridge-domain>
```

## Description

### <mgm-interface>

#### Usage

```
<igmp-snooping-host-information-per-instance>
<igmp-snooping-host-information-per-bridge-domain>
<igmp-snooping-host-information-per-learning-domain>
  <mgm-interface>
    <interface-name>
      interface-name
    </interface-name>
    <querier-address>
      querier-address
    </querier-address>
    <mgm-interface-state>
      mgm-interface-state
    </mgm-interface-state>
    <querier-timeout>
      querier-timeout
    </querier-timeout>
    <mgm-interface-version>
      mgm-interface-version
    </mgm-interface-version>
    <mgm-group-count>
      mgm-group-count
    </mgm-group-count>
    <mgm-ssm-map>
      mgm-ssm-map
    </mgm-ssm-map>
    <mgm-mc-lag-state>
      mgm-mc-lag-state
    </mgm-mc-lag-state>
    <mgm-immediate-leave>
```

```

    mgm-immediate-leave
  </mgm-immediate-leave>
  <mgm-promiscuous-mode>
    mgm-promiscuous-mode
  </mgm-promiscuous-mode>
  <mgm-passive>
    mgm-passive
  </mgm-passive>
  <mgm-passive-allow-receive>
    mgm-passive-allow-receive
  </mgm-passive-allow-receive>
  <mgm-passive-send-general-query>
    mgm-passive-send-general-query
  </mgm-passive-send-general-query>
  <mgm-passive-send-group-query>
    mgm-passive-send-group-query
  </mgm-passive-send-group-query>
  <mgm-group-limit>
    mgm-group-limit
  </mgm-group-limit>
  <mgm-group-policy>
    mgm-group-policy
  </mgm-group-policy>
  <mgm-oif-map>
    mgm-oif-map
  </mgm-oif-map>
  <mgm-host>....</mgm-host>
</mgm-interface>
</igmp-snooping-host-information-per-learning-domain>
</igmp-snooping-host-information-per-bridge-domain>
</igmp-snooping-host-information-per-instance>

```

#### Description

<mgm-interface>

#### Usage

```

<igmp-snooping-host-information-root>
  <igmp-snooping-host-information-per-instance>
  <igmp-snooping-host-information-per-bridge-domain>
  <igmp-snooping-host-information-per-learning-domain>
    <mgm-interface>
      <interface-name>
        interface-name
      </interface-name>
      <querier-address>
        querier-address
      </querier-address>
      <mgm-interface-state>
        mgm-interface-state
      </mgm-interface-state>
      <querier-timeout>
        querier-timeout
      </querier-timeout>
      <mgm-interface-version>

```

```
    mgm-interface-version
  </mgm-interface-version>
  <mgm-group-count>
    mgm-group-count
  </mgm-group-count>
  <mgm-ssm-map>
    mgm-ssm-map
  </mgm-ssm-map>
  <mgm-mc-lag-state>
    mgm-mc-lag-state
  </mgm-mc-lag-state>
  <mgm-immediate-leave>
    mgm-immediate-leave
  </mgm-immediate-leave>
  <mgm-promiscuous-mode>
    mgm-promiscuous-mode
  </mgm-promiscuous-mode>
  <mgm-passive>
    mgm-passive
  </mgm-passive>
  <mgm-passive-allow-receive>
    mgm-passive-allow-receive
  </mgm-passive-allow-receive>
  <mgm-passive-send-general-query>
    mgm-passive-send-general-query
  </mgm-passive-send-general-query>
  <mgm-passive-send-group-query>
    mgm-passive-send-group-query
  </mgm-passive-send-group-query>
  <mgm-group-limit>
    mgm-group-limit
  </mgm-group-limit>
  <mgm-group-policy>
    mgm-group-policy
  </mgm-group-policy>
  <mgm-oif-map>
    mgm-oif-map
  </mgm-oif-map>
  <mgm-host>....</mgm-host>
</mgm-interface>
</igmp-snooping-host-information-per-learning-domain>
</igmp-snooping-host-information-per-bridge-domain>
</igmp-snooping-host-information-per-instance>
</igmp-snooping-host-information-root>
```

## Description

### <mgm-interface-groups>

#### Usage

```
<mgm-interface-groups>
  <interface-name>
    interface-name
  </interface-name>
  <mgm-group-count>
```

```

    mgm-group-count
  </mgm-group-count>
  <mgm-group>....</mgm-group>
</mgm-interface-groups>

```

#### Description

### <mgm-interface-groups>

#### Usage

```

<igmp-group-information>
  <mgm-interface-groups>
    <interface-name>
      interface-name
    </interface-name>
    <mgm-group-count>
      mgm-group-count
    </mgm-group-count>
    <mgm-group>....</mgm-group>
  </mgm-interface-groups>
</igmp-group-information>

```

#### Description

### <mgm-interface-groups>

#### Usage

```

<mld-group-information>
  <mgm-interface-groups>
    <interface-name>
      interface-name
    </interface-name>
    <mgm-group-count>
      mgm-group-count
    </mgm-group-count>
    <mgm-group>....</mgm-group>
  </mgm-interface-groups>
</mld-group-information>

```

#### Description

### <mgm-interface-groups>

#### Usage

```

<igmp-snooping-group-information-per-learning-domain>
  <mgm-interface-groups>
    <interface-name>
      interface-name
    </interface-name>
    <mgm-group-count>
      mgm-group-count
    </mgm-group-count>
    <mgm-group>....</mgm-group>
  </mgm-interface-groups>

```

```
</mgm-interface-groups>
</igmp-snooping-group-information-per-learning-domain>
```

#### Description

### <mgm-interface-groups>

#### Usage

```
<igmp-snooping-group-information-per-bridge-domain>
<igmp-snooping-group-information-per-learning-domain>
  <mgm-interface-groups>
    <interface-name>
      interface-name
    </interface-name>
    <mgm-group-count>
      mgm-group-count
    </mgm-group-count>
    <mgm-group>....</mgm-group>
  </mgm-interface-groups>
</igmp-snooping-group-information-per-learning-domain>
</igmp-snooping-group-information-per-bridge-domain>
```

#### Description

### <mgm-interface-groups>

#### Usage

```
<igmp-snooping-group-information-per-instance>
<igmp-snooping-group-information-per-bridge-domain>
<igmp-snooping-group-information-per-learning-domain>
  <mgm-interface-groups>
    <interface-name>
      interface-name
    </interface-name>
    <mgm-group-count>
      mgm-group-count
    </mgm-group-count>
    <mgm-group>....</mgm-group>
  </mgm-interface-groups>
</igmp-snooping-group-information-per-learning-domain>
</igmp-snooping-group-information-per-bridge-domain>
</igmp-snooping-group-information-per-instance>
```

#### Description

### <mgm-interface-groups>

#### Usage

```
<igmp-snooping-group-information-root>
<igmp-snooping-group-information-per-instance>
  <igmp-snooping-group-information-per-bridge-domain>
    <igmp-snooping-group-information-per-learning-domain>
      <mgm-interface-groups>
```



```

<interface-name>
  interface-name
</interface-name>
<mgm-group-count>
  mgm-group-count
</mgm-group-count>
<mgm-group>....</mgm-group>
</mgm-interface-groups>
</igmp-snooping-group-information-per-learning-domain>
</igmp-snooping-group-information-per-bridge-domain>
</igmp-snooping-group-information-per-instance>
</igmp-snooping-group-information-root>

```

#### Description

### <mgm-interface-output-groups>

#### Usage

```

<mgm-interface-output-groups>
<interface-name>
  interface-name
</interface-name>
<mgm-output-interface-status>
  mgm-output-interface-status
</mgm-output-interface-status>
<mgm-output-group>....</mgm-output-group>
</mgm-interface-output-groups>

```

#### Description

### <mgm-interface-output-groups>

#### Usage

```

<igmp-output-group-information>
<mgm-interface-output-groups>
<interface-name>
  interface-name
</interface-name>
<mgm-output-interface-status>
  mgm-output-interface-status
</mgm-output-interface-status>
<mgm-output-group>....</mgm-output-group>
</mgm-interface-output-groups>
</igmp-output-group-information>

```

#### Description

### <mgm-interface-output-groups>

#### Usage

```

<mld-output-group-information>
<mgm-interface-output-groups>
<interface-name>

```

```
    interface-name
  </interface-name>
  <mgm-output-interface-status>
    mgm-output-interface-status
  </mgm-output-interface-status>
  <mgm-output-group>....</mgm-output-group>
</mgm-interface-output-groups>
</mld-output-group-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<mgm-statistics-interface>
  <mgm-statistics-other>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-other>
</mgm-statistics-interface>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<mgm-statistics-interface>
  <mgm-statistics-global>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-global>
</mgm-statistics-interface>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<mgm-statistics-interface>
  <mgm-other-statistic>
    <statistic-name>
```

```

    statistic-name
  </statistic-name>
  <statistic-count>
    statistic-count
  </statistic-count>
</mgm-other-statistic>
</mgm-statistics-interface>

```

#### Description

### <mgm-other-statistic>

#### Usage

```

<mgm-statistics-all>
  <mgm-statistics-other>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-other>
</mgm-statistics-all>

```

#### Description

### <mgm-other-statistic>

#### Usage

```

<mgm-statistics-all>
  <mgm-statistics-global>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-global>
</mgm-statistics-all>

```

#### Description

### <mgm-other-statistic>

#### Usage

```

<igmp-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-other>
      <mgm-other-statistic>

```

```
<statistic-name>
  statistic-name
</statistic-name>
<statistic-count>
  statistic-count
</statistic-count>
</mgm-other-statistic>
</mgm-statistics-other>
</mgm-statistics-interface>
</igmp-statistics-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<igmp-statistics-information>
<mgm-statistics-interface>
<mgm-statistics-global>
<mgm-other-statistic>
  <statistic-name>
    statistic-name
  </statistic-name>
  <statistic-count>
    statistic-count
  </statistic-count>
</mgm-other-statistic>
</mgm-statistics-global>
</mgm-statistics-interface>
</igmp-statistics-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<igmp-statistics-information>
<mgm-statistics-interface>
<mgm-other-statistic>
  <statistic-name>
    statistic-name
  </statistic-name>
  <statistic-count>
    statistic-count
  </statistic-count>
</mgm-other-statistic>
</mgm-statistics-interface>
</igmp-statistics-information>
```

#### Description

**<mgm-other-statistic>****Usage**

```

<igmp-statistics-information>
  <mgm-statistics-other>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-other>
</igmp-statistics-information>

```

**Description****<mgm-other-statistic>****Usage**

```

<igmp-statistics-information>
  <mgm-statistics-global>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-global>
</igmp-statistics-information>

```

**Description****<mgm-other-statistic>****Usage**

```

<igmp-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-other>
      <mgm-other-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <statistic-count>
          statistic-count
        </statistic-count>
      </mgm-other-statistic>
    </mgm-statistics-other>
  </mgm-statistics-all>

```

</igmp-statistics-information>

#### Description

### <mgm-other-statistic>

#### Usage

```
<igmp-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-global>
      <mgm-other-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <statistic-count>
          statistic-count
        </statistic-count>
      </mgm-other-statistic>
    </mgm-statistics-global>
  </mgm-statistics-all>
</igmp-statistics-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<mld-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-other>
      <mgm-other-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <statistic-count>
          statistic-count
        </statistic-count>
      </mgm-other-statistic>
    </mgm-statistics-other>
  </mgm-statistics-interface>
</mld-statistics-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<mld-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-global>
      <mgm-other-statistic>
        <statistic-name>
          statistic-name
```

```

    </statistic-name>
    <statistic-count>
      statistic-count
    </statistic-count>
  </mgm-other-statistic>
</mgm-statistics-global>
</mgm-statistics-interface>
</mld-statistics-information>

```

#### Description

### <mgm-other-statistic>

#### Usage

```

<mld-statistics-information>
  <mgm-statistics-interface>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-interface>
</mld-statistics-information>

```

#### Description

### <mgm-other-statistic>

#### Usage

```

<mld-statistics-information>
  <mgm-statistics-other>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-other>
</mld-statistics-information>

```

#### Description

### <mgm-other-statistic>

#### Usage

```

<mld-statistics-information>
  <mgm-statistics-global>
    <mgm-other-statistic>

```

```
<statistic-name>
  statistic-name
</statistic-name>
<statistic-count>
  statistic-count
</statistic-count>
</mgm-other-statistic>
</mgm-statistics-global>
</mld-statistics-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<mld-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-other>
      <mgm-other-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <statistic-count>
          statistic-count
        </statistic-count>
      </mgm-other-statistic>
    </mgm-statistics-other>
  </mgm-statistics-all>
</mld-statistics-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<mld-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-global>
      <mgm-other-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <statistic-count>
          statistic-count
        </statistic-count>
      </mgm-other-statistic>
    </mgm-statistics-global>
  </mgm-statistics-all>
</mld-statistics-information>
```

#### Description



**<mgm-other-statistic>****Usage**

```

<mgm-snooping-statistics>
<mgm-statistics-other>
  <mgm-other-statistic>
    <statistic-name>
      statistic-name
    </statistic-name>
    <statistic-count>
      statistic-count
    </statistic-count>
  </mgm-other-statistic>
</mgm-statistics-other>
</mgm-snooping-statistics>

```

**Description****<mgm-other-statistic>****Usage**

```

<mgm-snooping-statistics-information>
<mgm-statistics-interface>
  <mgm-statistics-other>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-other>
</mgm-statistics-interface>
</mgm-snooping-statistics-information>

```

**Description****<mgm-other-statistic>****Usage**

```

<mgm-snooping-statistics-information>
<mgm-statistics-interface>
  <mgm-statistics-global>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-global>

```

```
</mgm-statistics-interface>
</mgm-snooping-statistics-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<mgm-snooping-statistics-information>
  <mgm-statistics-interface>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-interface>
</mgm-snooping-statistics-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<mgm-snooping-statistics-information>
  <mgm-statistics-other>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
    </mgm-other-statistic>
  </mgm-statistics-other>
</mgm-snooping-statistics-information>
```

#### Description

### <mgm-other-statistic>

#### Usage

```
<mgm-snooping-statistics-information>
  <mgm-statistics-global>
    <mgm-other-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <statistic-count>
        statistic-count
      </statistic-count>
```

```

    </mgm-other-statistic>
  </mgm-statistics-global>
</mgm-snooping-statistics-information>

```

#### Description

### <mgm-other-statistic>

#### Usage

```

<mgm-snooping-statistics-information>
  <mgm-snooping-statistics>
    <mgm-statistics-other>
      <mgm-other-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <statistic-count>
          statistic-count
        </statistic-count>
      </mgm-other-statistic>
    </mgm-statistics-other>
  </mgm-snooping-statistics>
</mgm-snooping-statistics-information>

```

#### Description

### <mgm-output-group>

#### Usage

```

<mgm-interface-output-groups>
  <mgm-output-group>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <mgm-type>
      mgm-type
    </mgm-type>
    <mgm-group-mode-type>
      mgm-group-mode-type
    </mgm-group-mode-type>
    <mgm-group-input-interface>
      mgm-group-input-interface
    </mgm-group-input-interface>
  </mgm-output-group>
</mgm-interface-output-groups>

```

#### Description

## <mgm-output-group>

### Usage

```
<igmp-output-group-information>
<mgm-interface-output-groups>
  <mgm-output-group>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <mgm-type>
      mgm-type
    </mgm-type>
    <mgm-group-mode-type>
      mgm-group-mode-type
    </mgm-group-mode-type>
    <mgm-group-input-interface>
      mgm-group-input-interface
    </mgm-group-input-interface>
  </mgm-output-group>
</mgm-interface-output-groups>
</igmp-output-group-information>
```

### Description

## <mgm-output-group>

### Usage

```
<mld-output-group-information>
<mgm-interface-output-groups>
  <mgm-output-group>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <mgm-type>
      mgm-type
    </mgm-type>
    <mgm-group-mode-type>
      mgm-group-mode-type
    </mgm-group-mode-type>
    <mgm-group-input-interface>
      mgm-group-input-interface
    </mgm-group-input-interface>
  </mgm-output-group>
</mgm-interface-output-groups>
</mld-output-group-information>
```

### Description

## <mgm-snooping-interface>

### Usage

```

<mgm-snooping-interface>
  <interface-name>
    interface-name
  </interface-name>
  <mgm-interface-state>
    mgm-interface-state
  </mgm-interface-state>
  <mgm-mc-lag-state>
    mgm-mc-lag-state
  </mgm-mc-lag-state>
  <mgm-snooping-router-interface>
    mgm-snooping-router-interface
  </mgm-snooping-router-interface>
  <mgm-group-count>
    mgm-group-count
  </mgm-group-count>
  <mgm-group-limit>
    mgm-group-limit
  </mgm-group-limit>
  <mgm-immediate-leave>
    mgm-immediate-leave
  </mgm-immediate-leave>
</mgm-snooping-interface>

```

### Description

## <mgm-snooping-interface>

### Usage

```

<igmp-snooping-interface-information-per-learning-domain>
  <mgm-snooping-interface>
    <interface-name>
      interface-name
    </interface-name>
    <mgm-interface-state>
      mgm-interface-state
    </mgm-interface-state>
    <mgm-mc-lag-state>
      mgm-mc-lag-state
    </mgm-mc-lag-state>
    <mgm-snooping-router-interface>
      mgm-snooping-router-interface
    </mgm-snooping-router-interface>
    <mgm-group-count>
      mgm-group-count
    </mgm-group-count>
    <mgm-group-limit>
      mgm-group-limit
    </mgm-group-limit>
    <mgm-immediate-leave>
      mgm-immediate-leave
  </mgm-snooping-interface>

```

```
</mgm-immediate-leave>
</mgm-snooping-interface>
</igmp-snooping-interface-information-per-learning-domain>
```

## Description

### <mgm-snooping-interface>

#### Usage

```
<igmp-snooping-interface-information-per-bridge-domain>
<igmp-snooping-interface-information-per-learning-domain>
  <mgm-snooping-interface>
    <interface-name>
      interface-name
    </interface-name>
    <mgm-interface-state>
      mgm-interface-state
    </mgm-interface-state>
    <mgm-mc-lag-state>
      mgm-mc-lag-state
    </mgm-mc-lag-state>
    <mgm-snooping-router-interface>
      mgm-snooping-router-interface
    </mgm-snooping-router-interface>
    <mgm-group-count>
      mgm-group-count
    </mgm-group-count>
    <mgm-group-limit>
      mgm-group-limit
    </mgm-group-limit>
    <mgm-immediate-leave>
      mgm-immediate-leave
    </mgm-immediate-leave>
  </mgm-snooping-interface>
</igmp-snooping-interface-information-per-learning-domain>
</igmp-snooping-interface-information-per-bridge-domain>
```

## Description

### <mgm-snooping-interface>

#### Usage

```
<igmp-snooping-interface-information-per-instance>
<igmp-snooping-interface-information-per-bridge-domain>
<igmp-snooping-interface-information-per-learning-domain>
  <mgm-snooping-interface>
    <interface-name>
      interface-name
    </interface-name>
    <mgm-interface-state>
      mgm-interface-state
    </mgm-interface-state>
    <mgm-mc-lag-state>
      mgm-mc-lag-state
```

```

</mgm-mc-lag-state>
<mgm-snooping-router-interface>
  mgm-snooping-router-interface
</mgm-snooping-router-interface>
<mgm-group-count>
  mgm-group-count
</mgm-group-count>
<mgm-group-limit>
  mgm-group-limit
</mgm-group-limit>
<mgm-immediate-leave>
  mgm-immediate-leave
</mgm-immediate-leave>
</mgm-snooping-interface>
</igmp-snooping-interface-information-per-learning-domain>
</igmp-snooping-interface-information-per-bridge-domain>
</igmp-snooping-interface-information-per-instance>

```

## Description

### <mgm-snooping-interface>

#### Usage

```

<igmp-snooping-interface-information-root>
<igmp-snooping-interface-information-per-instance>
<igmp-snooping-interface-information-per-bridge-domain>
<igmp-snooping-interface-information-per-learning-domain>
  <mgm-snooping-interface>
    <interface-name>
      interface-name
    </interface-name>
    <mgm-interface-state>
      mgm-interface-state
    </mgm-interface-state>
    <mgm-mc-lag-state>
      mgm-mc-lag-state
    </mgm-mc-lag-state>
    <mgm-snooping-router-interface>
      mgm-snooping-router-interface
    </mgm-snooping-router-interface>
    <mgm-group-count>
      mgm-group-count
    </mgm-group-count>
    <mgm-group-limit>
      mgm-group-limit
    </mgm-group-limit>
    <mgm-immediate-leave>
      mgm-immediate-leave
    </mgm-immediate-leave>
  </mgm-snooping-interface>
</igmp-snooping-interface-information-per-learning-domain>
</igmp-snooping-interface-information-per-bridge-domain>
</igmp-snooping-interface-information-per-instance>
</igmp-snooping-interface-information-root>

```

### Description

#### <mgm-snooping-statistics>

##### Usage

```
<mgm-snooping-statistics>
  <instance-name>
    instance-name
  </instance-name>
  <bridge-domain>
    bridge-domain
  </bridge-domain>
  <learning-domain>
    learning-domain
  </learning-domain>
  <mgm-snooping-instance-all>
    mgm-snooping-instance-all
  </mgm-snooping-instance-all>
  <mgm-statistics-group>....</mgm-statistics-group>
  <mgm-statistics-other>....</mgm-statistics-other>
</mgm-snooping-statistics>
```

### Description

#### <mgm-snooping-statistics>

##### Usage

```
<mgm-snooping-statistics-information>
  <mgm-snooping-statistics>
    <instance-name>
      instance-name
    </instance-name>
    <bridge-domain>
      bridge-domain
    </bridge-domain>
    <learning-domain>
      learning-domain
    </learning-domain>
    <mgm-snooping-instance-all>
      mgm-snooping-instance-all
    </mgm-snooping-instance-all>
    <mgm-statistics-group>....</mgm-statistics-group>
    <mgm-statistics-other>....</mgm-statistics-other>
  </mgm-snooping-statistics>
</mgm-snooping-statistics-information>
```

### Description

#### <mgm-snooping-statistics-information>

##### Usage

```
<mgm-snooping-statistics-information>
  <mgm-statistics-interface>....</mgm-statistics-interface>
  <mgm-statistics-other>....</mgm-statistics-other>
```



```

<mgm-statistics-global>....</mgm-statistics-global>
<mgm-snooping-statistics>....</mgm-snooping-statistics>
</mgm-snooping-statistics-information>

```

#### Description

#### <mgm-statistic>

#### Usage

```

<mgm-statistics-interface>
<mgm-statistics-group>
  <mgm-statistic>
    <statistic-name>
      statistic-name
    </statistic-name>
    <received-count>
      received-count
    </received-count>
    <sent-count>
      sent-count
    </sent-count>
    <error-count>
      error-count
    </error-count>
  </mgm-statistic>
</mgm-statistics-group>
</mgm-statistics-interface>

```

#### Description

#### <mgm-statistic>

#### Usage

```

<mgm-statistics-interface>
<mgm-statistic>
  <statistic-name>
    statistic-name
  </statistic-name>
  <received-count>
    received-count
  </received-count>
  <sent-count>
    sent-count
  </sent-count>
  <error-count>
    error-count
  </error-count>
</mgm-statistic>
</mgm-statistics-interface>

```

#### Description

## <mgm-statistic>

### Usage

```
<mgm-statistics-all>
  <mgm-statistics-group>
    <mgm-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <received-count>
        received-count
      </received-count>
      <sent-count>
        sent-count
      </sent-count>
      <error-count>
        error-count
      </error-count>
    </mgm-statistic>
  </mgm-statistics-group>
</mgm-statistics-all>
```

### Description

## <mgm-statistic>

### Usage

```
<igmp-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-group>
      <mgm-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <received-count>
          received-count
        </received-count>
        <sent-count>
          sent-count
        </sent-count>
        <error-count>
          error-count
        </error-count>
      </mgm-statistic>
    </mgm-statistics-group>
  </mgm-statistics-interface>
</igmp-statistics-information>
```

### Description

**<mgm-statistic>****Usage**

```

<igmp-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <received-count>
        received-count
      </received-count>
      <sent-count>
        sent-count
      </sent-count>
      <error-count>
        error-count
      </error-count>
    </mgm-statistic>
  </mgm-statistics-interface>
</igmp-statistics-information>

```

**Description****<mgm-statistic>****Usage**

```

<igmp-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-group>
      <mgm-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <received-count>
          received-count
        </received-count>
        <sent-count>
          sent-count
        </sent-count>
        <error-count>
          error-count
        </error-count>
      </mgm-statistic>
    </mgm-statistics-group>
  </mgm-statistics-all>
</igmp-statistics-information>

```

**Description**

## <mgm-statistic>

### Usage

```
<mld-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-group>
      <mgm-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <received-count>
          received-count
        </received-count>
        <sent-count>
          sent-count
        </sent-count>
        <error-count>
          error-count
        </error-count>
      </mgm-statistic>
    </mgm-statistics-group>
  </mgm-statistics-interface>
</mld-statistics-information>
```

### Description

## <mgm-statistic>

### Usage

```
<mld-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <received-count>
        received-count
      </received-count>
      <sent-count>
        sent-count
      </sent-count>
      <error-count>
        error-count
      </error-count>
    </mgm-statistic>
  </mgm-statistics-interface>
</mld-statistics-information>
```

### Description

**<mgm-statistic>****Usage**

```

<mld-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-group>
      <mgm-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <received-count>
          received-count
        </received-count>
        <sent-count>
          sent-count
        </sent-count>
        <error-count>
          error-count
        </error-count>
      </mgm-statistic>
    </mgm-statistics-group>
  </mgm-statistics-all>
</mld-statistics-information>

```

**Description****<mgm-statistic>****Usage**

```

<mgm-snooping-statistics>
  <mgm-statistics-group>
    <mgm-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <received-count>
        received-count
      </received-count>
      <sent-count>
        sent-count
      </sent-count>
      <error-count>
        error-count
      </error-count>
    </mgm-statistic>
  </mgm-statistics-group>
</mgm-snooping-statistics>

```

**Description**

## <mgm-statistic>

### Usage

```
<mgm-snooping-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-group>
      <mgm-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <received-count>
          received-count
        </received-count>
        <sent-count>
          sent-count
        </sent-count>
        <error-count>
          error-count
        </error-count>
      </mgm-statistic>
    </mgm-statistics-group>
  </mgm-statistics-interface>
</mgm-snooping-statistics-information>
```

### Description

## <mgm-statistic>

### Usage

```
<mgm-snooping-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistic>
      <statistic-name>
        statistic-name
      </statistic-name>
      <received-count>
        received-count
      </received-count>
      <sent-count>
        sent-count
      </sent-count>
      <error-count>
        error-count
      </error-count>
    </mgm-statistic>
  </mgm-statistics-interface>
</mgm-snooping-statistics-information>
```

### Description

**<mgm-statistic>****Usage**

```

<mgm-snooping-statistics-information>
  <mgm-snooping-statistics>
    <mgm-statistics-group>
      <mgm-statistic>
        <statistic-name>
          statistic-name
        </statistic-name>
        <received-count>
          received-count
        </received-count>
        <sent-count>
          sent-count
        </sent-count>
        <error-count>
          error-count
        </error-count>
      </mgm-statistic>
    </mgm-statistics-group>
  </mgm-snooping-statistics>
</mgm-snooping-statistics-information>

```

**Description****<mgm-statistics-all>****Usage**

```

<mgm-statistics-all>
  <mgm-statistics-group>....</mgm-statistics-group>
  <mgm-statistics-other>....</mgm-statistics-other>
  <mgm-statistics-global>....</mgm-statistics-global>
</mgm-statistics-all>

```

**Description****<mgm-statistics-all>****Usage**

```

<igmp-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-group>....</mgm-statistics-group>
    <mgm-statistics-other>....</mgm-statistics-other>
    <mgm-statistics-global>....</mgm-statistics-global>
  </mgm-statistics-all>
</igmp-statistics-information>

```

**Description**

### <mgm-statistics-all>

#### Usage

```
<mld-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-group>....</mgm-statistics-group>
    <mgm-statistics-other>....</mgm-statistics-other>
    <mgm-statistics-global>....</mgm-statistics-global>
  </mgm-statistics-all>
</mld-statistics-information>
```

#### Description

### <mgm-statistics-global>

#### Usage

```
<mgm-statistics-interface>
  <mgm-statistics-global>
    <mgm-other-statistic>....</mgm-other-statistic>
  </mgm-statistics-global>
</mgm-statistics-interface>
```

#### Description

### <mgm-statistics-global>

#### Usage

```
<mgm-statistics-all>
  <mgm-statistics-global>
    <mgm-other-statistic>....</mgm-other-statistic>
  </mgm-statistics-global>
</mgm-statistics-all>
```

#### Description

### <mgm-statistics-global>

#### Usage

```
<igmp-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-global>
      <mgm-other-statistic>....</mgm-other-statistic>
    </mgm-statistics-global>
  </mgm-statistics-interface>
</igmp-statistics-information>
```

#### Description

### <mgm-statistics-global>

#### Usage

```
<igmp-statistics-information>
```



```

    <mgm-statistics-global>
      <mgm-other-statistic>....</mgm-other-statistic>
    </mgm-statistics-global>
  </igmp-statistics-information>

```

**Description****<mgm-statistics-global>****Usage**

```

<igmp-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-global>
      <mgm-other-statistic>....</mgm-other-statistic>
    </mgm-statistics-global>
  </mgm-statistics-all>
</igmp-statistics-information>

```

**Description****<mgm-statistics-global>****Usage**

```

<mld-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-global>
      <mgm-other-statistic>....</mgm-other-statistic>
    </mgm-statistics-global>
  </mgm-statistics-interface>
</mld-statistics-information>

```

**Description****<mgm-statistics-global>****Usage**

```

<mld-statistics-information>
  <mgm-statistics-global>
    <mgm-other-statistic>....</mgm-other-statistic>
  </mgm-statistics-global>
</mld-statistics-information>

```

**Description****<mgm-statistics-global>****Usage**

```

<mld-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-global>
      <mgm-other-statistic>....</mgm-other-statistic>
    </mgm-statistics-global>
  </mgm-statistics-all>
</mld-statistics-information>

```

```
</mgm-statistics-all>  
</mld-statistics-information>
```

#### Description

### <mgm-statistics-global>

#### Usage

```
<mgm-snooping-statistics-information>  
  <mgm-statistics-interface>  
    <mgm-statistics-global>  
      <mgm-other-statistic>....</mgm-other-statistic>  
    </mgm-statistics-global>  
  </mgm-statistics-interface>  
</mgm-snooping-statistics-information>
```

#### Description

### <mgm-statistics-global>

#### Usage

```
<mgm-snooping-statistics-information>  
  <mgm-statistics-global>  
    <mgm-other-statistic>....</mgm-other-statistic>  
  </mgm-statistics-global>  
</mgm-snooping-statistics-information>
```

#### Description

### <mgm-statistics-group>

#### Usage

```
<mgm-statistics-interface>  
  <mgm-statistics-group>  
    <mgm-statistic>....</mgm-statistic>  
  </mgm-statistics-group>  
</mgm-statistics-interface>
```

#### Description

### <mgm-statistics-group>

#### Usage

```
<mgm-statistics-all>  
  <mgm-statistics-group>  
    <mgm-statistic>....</mgm-statistic>  
  </mgm-statistics-group>  
</mgm-statistics-all>
```

#### Description

**<mgm-statistics-group>****Usage**

```

<igmp-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-group>
      <mgm-statistic>....</mgm-statistic>
    </mgm-statistics-group>
  </mgm-statistics-interface>
</igmp-statistics-information>

```

**Description****<mgm-statistics-group>****Usage**

```

<igmp-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-group>
      <mgm-statistic>....</mgm-statistic>
    </mgm-statistics-group>
  </mgm-statistics-all>
</igmp-statistics-information>

```

**Description****<mgm-statistics-group>****Usage**

```

<mld-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-group>
      <mgm-statistic>....</mgm-statistic>
    </mgm-statistics-group>
  </mgm-statistics-interface>
</mld-statistics-information>

```

**Description****<mgm-statistics-group>****Usage**

```

<mld-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-group>
      <mgm-statistic>....</mgm-statistic>
    </mgm-statistics-group>
  </mgm-statistics-all>
</mld-statistics-information>

```

**Description**

## <mgm-statistics-group>

### Usage

```
<mgm-snooping-statistics>
  <mgm-statistics-group>
    <mgm-statistic>....</mgm-statistic>
  </mgm-statistics-group>
</mgm-snooping-statistics>
```

### Description

## <mgm-statistics-group>

### Usage

```
<mgm-snooping-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-group>
      <mgm-statistic>....</mgm-statistic>
    </mgm-statistics-group>
  </mgm-statistics-interface>
</mgm-snooping-statistics-information>
```

### Description

## <mgm-statistics-group>

### Usage

```
<mgm-snooping-statistics-information>
  <mgm-snooping-statistics>
    <mgm-statistics-group>
      <mgm-statistic>....</mgm-statistic>
    </mgm-statistics-group>
  </mgm-snooping-statistics>
</mgm-snooping-statistics-information>
```

### Description

## <mgm-statistics-interface>

### Usage

```
<mgm-statistics-interface>
  <interface-name>
    interface-name
  </interface-name>
  <mgm-disabled-interface-name>
    mgm-disabled-interface-name
  </mgm-disabled-interface-name>
  <mgm-interface-all>
    mgm-interface-all
  </mgm-interface-all>
  <mgm-statistics-group>....</mgm-statistics-group>
  <mgm-statistics-other>....</mgm-statistics-other>
```

```

<mgm-statistics-global>....</mgm-statistics-global>
<mgm-statistic>....</mgm-statistic>
<mgm-other-statistic>....</mgm-other-statistic>
</mgm-statistics-interface>

```

## Description

### <mgm-statistics-interface>

#### Usage

```

<igmp-statistics-information>
<mgm-statistics-interface>
  <interface-name>
    interface-name
  </interface-name>
  <mgm-disabled-interface-name>
    mgm-disabled-interface-name
  </mgm-disabled-interface-name>
  <mgm-interface-all>
    mgm-interface-all
  </mgm-interface-all>
  <mgm-statistics-group>....</mgm-statistics-group>
  <mgm-statistics-other>....</mgm-statistics-other>
  <mgm-statistics-global>....</mgm-statistics-global>
  <mgm-statistic>....</mgm-statistic>
  <mgm-other-statistic>....</mgm-other-statistic>
</mgm-statistics-interface>
</igmp-statistics-information>

```

## Description

### <mgm-statistics-interface>

#### Usage

```

<mld-statistics-information>
<mgm-statistics-interface>
  <interface-name>
    interface-name
  </interface-name>
  <mgm-disabled-interface-name>
    mgm-disabled-interface-name
  </mgm-disabled-interface-name>
  <mgm-interface-all>
    mgm-interface-all
  </mgm-interface-all>
  <mgm-statistics-group>....</mgm-statistics-group>
  <mgm-statistics-other>....</mgm-statistics-other>
  <mgm-statistics-global>....</mgm-statistics-global>
  <mgm-statistic>....</mgm-statistic>
  <mgm-other-statistic>....</mgm-other-statistic>
</mgm-statistics-interface>
</mld-statistics-information>

```

**Description****<mgm-statistics-interface>****Usage**

```
<mgm-snooping-statistics-information>
  <mgm-statistics-interface>
    <interface-name>
      interface-name
    </interface-name>
    <mgm-disabled-interface-name>
      mgm-disabled-interface-name
    </mgm-disabled-interface-name>
    <mgm-interface-all>
      mgm-interface-all
    </mgm-interface-all>
    <mgm-statistics-group>....</mgm-statistics-group>
    <mgm-statistics-other>....</mgm-statistics-other>
    <mgm-statistics-global>....</mgm-statistics-global>
    <mgm-statistic>....</mgm-statistic>
    <mgm-other-statistic>....</mgm-other-statistic>
  </mgm-statistics-interface>
</mgm-snooping-statistics-information>
```

**Description****<mgm-statistics-other>****Usage**

```
<mgm-statistics-interface>
  <mgm-statistics-other>
    <mgm-other-statistic>....</mgm-other-statistic>
  </mgm-statistics-other>
</mgm-statistics-interface>
```

**Description****<mgm-statistics-other>****Usage**

```
<mgm-statistics-all>
  <mgm-statistics-other>
    <mgm-other-statistic>....</mgm-other-statistic>
  </mgm-statistics-other>
</mgm-statistics-all>
```

**Description****<mgm-statistics-other>****Usage**

```
<igmp-statistics-information>
  <mgm-statistics-interface>
```

```

<mgm-statistics-other>
  <mgm-other-statistic>....</mgm-other-statistic>
</mgm-statistics-other>
</mgm-statistics-interface>
</igmp-statistics-information>

```

#### Description

<mgm-statistics-other>

#### Usage

```

<igmp-statistics-information>
  <mgm-statistics-other>
    <mgm-other-statistic>....</mgm-other-statistic>
  </mgm-statistics-other>
</igmp-statistics-information>

```

#### Description

<mgm-statistics-other>

#### Usage

```

<igmp-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-other>
      <mgm-other-statistic>....</mgm-other-statistic>
    </mgm-statistics-other>
  </mgm-statistics-all>
</igmp-statistics-information>

```

#### Description

<mgm-statistics-other>

#### Usage

```

<mld-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-other>
      <mgm-other-statistic>....</mgm-other-statistic>
    </mgm-statistics-other>
  </mgm-statistics-interface>
</mld-statistics-information>

```

#### Description

<mgm-statistics-other>

#### Usage

```

<mld-statistics-information>
  <mgm-statistics-other>
    <mgm-other-statistic>....</mgm-other-statistic>
  </mgm-statistics-other>

```

</mld-statistics-information>

#### Description

<mgm-statistics-other>

#### Usage

```
<mld-statistics-information>
  <mgm-statistics-all>
    <mgm-statistics-other>
      <mgm-other-statistic>....</mgm-other-statistic>
    </mgm-statistics-other>
  </mgm-statistics-all>
</mld-statistics-information>
```

#### Description

<mgm-statistics-other>

#### Usage

```
<mgm-snooping-statistics>
  <mgm-statistics-other>
    <mgm-other-statistic>....</mgm-other-statistic>
  </mgm-statistics-other>
</mgm-snooping-statistics>
```

#### Description

<mgm-statistics-other>

#### Usage

```
<mgm-snooping-statistics-information>
  <mgm-statistics-interface>
    <mgm-statistics-other>
      <mgm-other-statistic>....</mgm-other-statistic>
    </mgm-statistics-other>
  </mgm-statistics-interface>
</mgm-snooping-statistics-information>
```

#### Description

<mgm-statistics-other>

#### Usage

```
<mgm-snooping-statistics-information>
  <mgm-statistics-other>
    <mgm-other-statistic>....</mgm-other-statistic>
  </mgm-statistics-other>
</mgm-snooping-statistics-information>
```

#### Description



### <mgm-statistics-other>

#### Usage

```
<mgm-snooping-statistics-information>
  <mgm-snooping-statistics>
    <mgm-statistics-other>
      <mgm-other-statistic>....</mgm-other-statistic>
    </mgm-statistics-other>
  </mgm-snooping-statistics>
</mgm-snooping-statistics-information>
```

#### Description

### <mld-group-information>

#### Usage

```
<mld-group-information>
  <mgm-interface-groups>....</mgm-interface-groups>
</mld-group-information>
```

#### Description

### <mld-hosts-information>

#### Usage

```
<mld-hosts-information>
  <mgm-disabled-interface-name>
    mgm-disabled-interface-name
  </mgm-disabled-interface-name>
  <mgm-interface>....</mgm-interface>
</mld-hosts-information>
```

#### Description

### <mld-interface-information>

#### Usage

```
<mld-interface-information>
  <mgm-interface>....</mgm-interface>
  <mgm-configured-parameters>....</mgm-configured-parameters>
  <mgm-derived-parameters>....</mgm-derived-parameters>
</mld-interface-information>
```

#### Description

### <mld-output-group-information>

#### Usage

```
<mld-output-group-information>
  <mgm-interface-output-groups>....</mgm-interface-output-groups>
</mld-output-group-information>
```

**Description****<mld-statistics-information>****Usage**

```
<mld-statistics-information>
  <mgm-statistics-interface>....</mgm-statistics-interface>
  <mgm-statistics-other>....</mgm-statistics-other>
  <mgm-statistics-global>....</mgm-statistics-global>
  <mgm-statistics-all>....</mgm-statistics-all>
</mld-statistics-information>
```

**Description****<multicast-aux-oif>****Usage**

```
<multicast-aux-oif>
  <multicast-aux-interface>
    multicast-aux-interface
  </multicast-aux-interface>
  <multicast-ref-count>
    multicast-ref-count
  </multicast-ref-count>
  <multicast-aux-nh-index>
    multicast-aux-nh-index
  </multicast-aux-nh-index>
</multicast-aux-oif>
```

**Description****<multicast-aux-oif-agg-req>****Usage**

```
<multicast-aux-oif-agg-req>
  <multicast-sg-address>
    multicast-sg-address
  </multicast-sg-address>
</multicast-aux-oif-agg-req>
```

**Description****<multicast-aux-oif-agg-req>****Usage**

```
<multicast-aux-oif-data>
  <multicast-aux-oif-agg-req>
    <multicast-sg-address>
      multicast-sg-address
    </multicast-sg-address>
  </multicast-aux-oif-agg-req>
</multicast-aux-oif-data>
```

## Description

## &lt;multicast-aux-oif-agg-req-join&gt;

## Usage

```

<multicast-aux-oif-agg-req-join>
  <multicast-host-address>
    multicast-host-address
  </multicast-host-address>
  <multicast-group-address>
    multicast-group-address
  </multicast-group-address>
  <multicast-source-address>
    multicast-source-address
  </multicast-source-address>
  <multicast-rcvd-interface>
    multicast-rcvd-interface
  </multicast-rcvd-interface>
  <multicast-output-interface>
    multicast-output-interface
  </multicast-output-interface>
  <multicast-aux-interface>
    multicast-aux-interface
  </multicast-aux-interface>
  <multicast-aux-nh-index>
    multicast-aux-nh-index
  </multicast-aux-nh-index>
  <multicast-synthetic>
    multicast-synthetic
  </multicast-synthetic>
  <multicast-unresolved>
    multicast-unresolved
  </multicast-unresolved>
  <multicast-blocked>
    multicast-blocked
  </multicast-blocked>
  <multicast-aux-interface-ignored>
    multicast-aux-interface-ignored
  </multicast-aux-interface-ignored>
  <multicast-aux-nh-index-ignored>
    multicast-aux-nh-index-ignored
  </multicast-aux-nh-index-ignored>
</multicast-aux-oif-agg-req-join>

```

## Description

## &lt;multicast-aux-oif-data&gt;

## Usage

```

<multicast-aux-oif-data>
  <multicast-aux-oif-agg-req>....</multicast-aux-oif-agg-req>
  <multicast-aux-oif-hosts>....</multicast-aux-oif-hosts>
</multicast-aux-oif-data>

```

**Description****<multicast-aux-oif-host>****Usage**

```
<multicast-aux-oif-hosts>
  <multicast-aux-oif-host>
    <multicast-host-address>
      multicast-host-address
    </multicast-host-address>
    <multicast-synthetic>
      multicast-synthetic
    </multicast-synthetic>
    <host-interface>
      host-interface
    </host-interface>
  </multicast-aux-oif-host>
</multicast-aux-oif-hosts>
```

**Description****<multicast-aux-oif-host>****Usage**

```
<multicast-aux-oif-data>
  <multicast-aux-oif-hosts>
    <multicast-aux-oif-host>
      <multicast-host-address>
        multicast-host-address
      </multicast-host-address>
      <multicast-synthetic>
        multicast-synthetic
      </multicast-synthetic>
      <host-interface>
        host-interface
      </host-interface>
    </multicast-aux-oif-host>
  </multicast-aux-oif-hosts>
</multicast-aux-oif-data>
```

**Description****<multicast-aux-oif-hosts>****Usage**

```
<multicast-aux-oif-hosts>
  <multicast-aux-oif-host>....</multicast-aux-oif-host>
</multicast-aux-oif-hosts>
```

**Description**

**<multicast-aux-oif-hosts>****Usage**

```

<multicast-aux-oif-data>
  <multicast-aux-oif-hosts>
    <multicast-aux-oif-host>....</multicast-aux-oif-host>
  </multicast-aux-oif-hosts>
</multicast-aux-oif-data>

```

**Description****<multicast-aux-oif-join>****Usage**

```

<multicast-aux-oif-join>
  <multicast-source-address>
    multicast-source-address
  </multicast-source-address>
  <multicast-group-address>
    multicast-group-address
  </multicast-group-address>
  <multicast-rcvd-interface>
    multicast-rcvd-interface
  </multicast-rcvd-interface>
  <multicast-output-interface>
    multicast-output-interface
  </multicast-output-interface>
  <multicast-aux-interface>
    multicast-aux-interface
  </multicast-aux-interface>
  <multicast-unresolved>
    multicast-unresolved
  </multicast-unresolved>
  <multicast-synthetic>
    multicast-synthetic
  </multicast-synthetic>
  <multicast-blocked>
    multicast-blocked
  </multicast-blocked>
  <multicast-aux-nh-index>
    multicast-aux-nh-index
  </multicast-aux-nh-index>
  <multicast-aux-interface-ignored>
    multicast-aux-interface-ignored
  </multicast-aux-interface-ignored>
  <multicast-aux-nh-index-ignored>
    multicast-aux-nh-index-ignored
  </multicast-aux-nh-index-ignored>
</multicast-aux-oif-join>

```

**Description**

## <multicast-aux-oif-request>

### Usage

```
<multicast-aux-oif-request>
  <multicast-source-address>
    multicast-source-address
  </multicast-source-address>
  <multicast-group-address>
    multicast-group-address
  </multicast-group-address>
  <multicast-unresolved>
    multicast-unresolved
  </multicast-unresolved>
  <multicast-aux-interface>
    multicast-aux-interface
  </multicast-aux-interface>
  <multicast-aux-nh-index>
    multicast-aux-nh-index
  </multicast-aux-nh-index>
  <multicast-aux-interface-ignored>
    multicast-aux-interface-ignored
  </multicast-aux-interface-ignored>
  <multicast-aux-nh-index-ignored>
    multicast-aux-nh-index-ignored
  </multicast-aux-nh-index-ignored>
</multicast-aux-oif-request>
```

### Description

## <multicast-backup-pe-address-information>

### Usage

```
<multicast-backup-pe-address-information>
  <multicast-backup-pe-address>
    multicast-backup-pe-address
  </multicast-backup-pe-address>
  <multicast-backup-pe-group-list>....</multicast-backup-pe-group-list>
  <pe-address-local>
    pe-address-local
  </pe-address-local>
  <lsp-to-pe-up>
    lsp-to-pe-up
  </lsp-to-pe-up>
</multicast-backup-pe-address-information>
```

**Description** Information about multicast backup PE

## <multicast-backup-pe-group>

### Usage

```
<multicast-backup-pe-groups-information>
  <multicast-backup-pe-groups>
    <multicast-backup-pe-group>
```

```

<multicast-backup-pe-group-name>
  multicast-backup-pe-group-name
</multicast-backup-pe-group-name>
<designated-pe>
  designated-pe
</designated-pe>
<transitions>
  transitions
</transitions>
<last-transition>
  last-transition
</last-transition>
<local-pe-address>
  local-pe-address
</local-pe-address>
<backup-pes>....</backup-pes>
</multicast-backup-pe-group>
</multicast-backup-pe-groups>
</multicast-backup-pe-groups-information>

```

**Description** Information about a multicast backup PE group

### <multicast-backup-pe-group-list>

#### Usage

```

<multicast-backup-pe-address-information>
  <multicast-backup-pe-group-list>
    <multicast-backup-pe-group-member>....</multicast-backup-pe-group-member>

    </multicast-backup-pe-group-list>
  </multicast-backup-pe-address-information>

```

**Description** Information about multicast backup PE groups associated with PE

### <multicast-backup-pe-group-member>

#### Usage

```

<multicast-backup-pe-address-information>
  <multicast-backup-pe-group-list>
    <multicast-backup-pe-group-member>
      <multicast-backup-pe-group-name>
        multicast-backup-pe-group-name
      </multicast-backup-pe-group-name>
    </multicast-backup-pe-group-member>
  </multicast-backup-pe-group-list>
</multicast-backup-pe-address-information>

```

**Description** Information about a multicast backup PE group

## <multicast-backup-pe-groups>

### Usage

```
<multicast-backup-pe-groups-information>
  <multicast-backup-pe-groups>
    <instance-name>
      instance-name
    </instance-name>
    <multicast-backup-pe-group>....</multicast-backup-pe-group>
  </multicast-backup-pe-groups>
</multicast-backup-pe-groups-information>
```

**Description** Information about multicast backup PE groups for one routing instance

## <multicast-backup-pe-groups-information>

### Usage

```
<multicast-backup-pe-groups-information>
  <multicast-backup-pe-groups>....</multicast-backup-pe-groups>
</multicast-backup-pe-groups-information>
```

**Description** Information about multicast backup PE groups for one or more routing instances

## <multicast-flow-map>

### Usage

```
<multicast-flow-maps-information>
  <multicast-flow-maps>
    <multicast-flow-map>
      <flow-map-name>
        flow-map-name
      </flow-map-name>
      <policy-name>
        policy-name
      </policy-name>
      <cache-timeout>
        cache-timeout
      </cache-timeout>
      <flow-bandwidth>
        flow-bandwidth
      </flow-bandwidth>
      <bandwidth-type>
        bandwidth-type
      </bandwidth-type>
      <redundant-sources>....</redundant-sources>
    </multicast-flow-map>
  </multicast-flow-maps>
</multicast-flow-maps-information>
```

**Description** Information about a multicast flow map



**<multicast-flow-maps>****Usage**

```

<multicast-flow-maps-information>
  <multicast-flow-maps>
    <instance-name>
      instance-name
    </instance-name>
    <multicast-flow-map>....</multicast-flow-map>
  </multicast-flow-maps>
</multicast-flow-maps-information>

```

**Description** Information about multicast flow maps for one routing instance

**<multicast-flow-maps-information>****Usage**

```

<multicast-flow-maps-information>
  <multicast-flow-maps>....</multicast-flow-maps>
</multicast-flow-maps-information>

```

**Description** Information about multicast flow maps for one or more routing instances

**<multicast-group>****Usage**

```

<multicast-usage-information>
  <multicast-group>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-count>
      multicast-source-count
    </multicast-source-count>
    <multicast-packet-count>
      multicast-packet-count
    </multicast-packet-count>
    <multicast-packet-count-not-available>
      multicast-packet-count-not-available
    </multicast-packet-count-not-available>
    <multicast-byte-count>
      multicast-byte-count
    </multicast-byte-count>
    <multicast-byte-count-not-available>
      multicast-byte-count-not-available
    </multicast-byte-count-not-available>
    <multicast-group-source>....</multicast-group-source>
  </multicast-group>
</multicast-usage-information>

```

## Description

### <multicast-group-source>

#### Usage

```
<multicast-usage-information>
  <multicast-group>
    <multicast-group-source>
      <multicast-source-address>
        multicast-source-address
      </multicast-source-address>
      <multicast-source-prefix-length>
        multicast-source-prefix-length
      </multicast-source-prefix-length>
      <multicast-packet-count>
        multicast-packet-count
      </multicast-packet-count>
      <multicast-packet-count-not-available>
        multicast-packet-count-not-available
      </multicast-packet-count-not-available>
      <multicast-byte-count>
        multicast-byte-count
      </multicast-byte-count>
      <multicast-byte-count-not-available>
        multicast-byte-count-not-available
      </multicast-byte-count-not-available>
    </multicast-group-source>
  </multicast-group>
</multicast-usage-information>
```

## Description

### <multicast-interface>

#### Usage

```
<multicast-interface-information>
  <multicast-interface>
    <interface-name>
      interface-name
    </interface-name>
    <interface-max-bandwidth>
      interface-max-bandwidth
    </interface-max-bandwidth>
    <interface-remaining-bandwidth>
      interface-remaining-bandwidth
    </interface-remaining-bandwidth>
    <interface-local-bandwidth-deduction>
      interface-local-bandwidth-deduction
    </interface-local-bandwidth-deduction>
    <interface-mapped-bandwidth-deduction>
      interface-mapped-bandwidth-deduction
    </interface-mapped-bandwidth-deduction>
    <interface-reverse-oif-mapping>
      interface-reverse-oif-mapping
    </interface-reverse-oif-mapping>
```

```

<interface-reverse-oif-mapping-no-qos-adjust>
  interface-reverse-oif-mapping-no-qos-adjust
</interface-reverse-oif-mapping-no-qos-adjust>
<interface-subscriber-leave-timer>
  interface-subscriber-leave-timer
</interface-subscriber-leave-timer>
<interface-no-qos-adjust>
  interface-no-qos-adjust
</interface-no-qos-adjust>
</multicast-interface>
</multicast-interface-information>

```

**Description** Information about a multicast interface

### <multicast-interface-information>

#### Usage

```

<multicast-interface-information>
  <multicast-interface>....</multicast-interface>
</multicast-interface-information>

```

**Description** Information about one or more multicast interfaces

### <multicast-next-hops-information>

#### Usage

```

<multicast-next-hops-information>
  <next-hops-family>....</next-hops-family>
</multicast-next-hops-information>

```

**Description**

### <multicast-pim-to-igmp-proxy>

#### Usage

```

<multicast-pim-to-igmp-proxy-information>
  <multicast-pim-to-igmp-proxy>
    <instance-name>
      instance-name
    </instance-name>
    <proxy-state>
      proxy-state
    </proxy-state>
    <proxy-upstream-interface>....</proxy-upstream-interface>
  </multicast-pim-to-igmp-proxy>
</multicast-pim-to-igmp-proxy-information>

```

**Description** Pim-to-igmp-proxy state

### <multicast-pim-to-igmp-proxy-information>

#### Usage

```
<multicast-pim-to-igmp-proxy-information>
<multicast-pim-to-igmp-proxy>.....</multicast-pim-to-igmp-proxy>
</multicast-pim-to-igmp-proxy-information>
```

#### Description

### <multicast-pim-to-mld-proxy>

#### Usage

```
<multicast-pim-to-mld-proxy-information>
<multicast-pim-to-mld-proxy>
  <instance-name>
    instance-name
  </instance-name>
  <proxy-state>
    proxy-state
  </proxy-state>
  <proxy-upstream-interface>.....</proxy-upstream-interface>
</multicast-pim-to-mld-proxy>
</multicast-pim-to-mld-proxy-information>
```

Description Pim-to-mld-proxy state

### <multicast-pim-to-mld-proxy-information>

#### Usage

```
<multicast-pim-to-mld-proxy-information>
<multicast-pim-to-mld-proxy>.....</multicast-pim-to-mld-proxy>
</multicast-pim-to-mld-proxy-information>
```

#### Description

### <multicast-route>

#### Usage

```
<multicast-route-information>
<route-family>
  <multicast-route>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <multicast-route-vlan-id>
      multicast-route-vlan-id
    </multicast-route-vlan-id>
    <multicast-route-bridge-domain>
      multicast-route-bridge-domain
  </multicast-route>
</route-family>
</multicast-route-information>
```

```
</multicast-route-bridge-domain>
<multicast-route-mesh-group>
  multicast-route-mesh-group
</multicast-route-mesh-group>
<multicast-source-prefix-length>
  multicast-source-prefix-length
</multicast-source-prefix-length>
<multicast-route-source>....</multicast-route-source>
<session-name>
  session-name
</session-name>
<forwarding-rate-kilobytes>
  forwarding-rate-kilobytes
</forwarding-rate-kilobytes>
<forwarding-rate-packets>
  forwarding-rate-packets
</forwarding-rate-packets>
<forwarded-packet-count>
  forwarded-packet-count
</forwarded-packet-count>
<multicast-statistics-timed-out>
  multicast-statistics-timed-out
</multicast-statistics-timed-out>
<bandwidth-for-admission-control>
  bandwidth-for-admission-control
</bandwidth-for-admission-control>
<upstream-interface-name>
  upstream-interface-name
</upstream-interface-name>
<rpf-check-disabled>
  rpf-check-disabled
</rpf-check-disabled>
<downstream-interface-names>
  downstream-interface-names
</downstream-interface-names>
<rejected-downstream-interface-names>
  rejected-downstream-interface-names
</rejected-downstream-interface-names>
<next-hop-id>
  next-hop-id
</next-hop-id>
<upstream-protocol>
  upstream-protocol
</upstream-protocol>
<multicast-route-forwarding-state>
  multicast-route-forwarding-state
</multicast-route-forwarding-state>
<multicast-route-state>
  multicast-route-state
</multicast-route-state>
<multicast-route-timeout>
  multicast-route-timeout
</multicast-route-timeout>
<interface-mismatch-count>
  interface-mismatch-count
</interface-mismatch-count>
```

```
</multicast-route>
</route-family>
</multicast-route-information>
```

#### Description

### <multicast-route-information>

#### Usage

```
<multicast-route-information>
  <multicast-route-no-group-prefix>
    multicast-route-no-group-prefix
  </multicast-route-no-group-prefix>
  <multicast-route-no-family>
    multicast-route-no-family
  </multicast-route-no-family>
  <route-family>....</route-family>
</multicast-route-information>
```

#### Description

### <multicast-route-source>

#### Usage

```
<multicast-route-information>
  <route-family>
    <multicast-route>
      <multicast-route-source>
        <multicast-source-address>
          multicast-source-address
        </multicast-source-address>
      </multicast-route-source>
    </multicast-route>
  </route-family>
</multicast-route-information>
```

#### Description

### <multicast-rpf-information>

#### Usage

```
<multicast-rpf-information>
  <rpf-family>....</rpf-family>
</multicast-rpf-information>
```

#### Description

### <multicast-scope>

#### Usage

```
<multicast-scope-information>
  <multicast-scope>
```

```

    <scope-name>
      scope-name
    </scope-name>
    <address-prefix>
      address-prefix
    </address-prefix>
    <interface-name>
      interface-name
    </interface-name>
    <scope-rejects>
      scope-rejects
    </scope-rejects>
    <scope-state>
      scope-state
    </scope-state>
  </multicast-scope>
</multicast-scope-information>

```

#### Description

### <multicast-scope-information>

#### Usage

```

<multicast-scope-information>
  <multicast-scope-policy>
    multicast-scope-policy
  </multicast-scope-policy>
  <multicast-scope-policy-interfaces>....</multicast-scope-policy-interfaces>
  <multicast-scope>....</multicast-scope>
</multicast-scope-information>

```

#### Description

### <multicast-scope-policy-interface>

#### Usage

```

<multicast-scope-information>
  <multicast-scope-policy-interfaces>
    <multicast-scope-policy-interface>
      <interface-name>
        interface-name
      </interface-name>
      <scope-rejects>
        scope-rejects
      </scope-rejects>
    </multicast-scope-policy-interface>
  </multicast-scope-policy-interfaces>
</multicast-scope-information>

```

#### Description

## <multicast-scope-policy-interfaces>

### Usage

```
<multicast-scope-information>
  <multicast-scope-policy-interfaces>
    <instance-name>
      instance-name
    </instance-name>
    <address-family>
      address-family
    </address-family>
    <multicast-scope-policy-interface>....</multicast-scope-policy-interface>
  </multicast-scope-policy-interfaces>
</multicast-scope-information>
```

### Description

## <multicast-session>

### Usage

```
<multicast-sessions-information>
  <multicast-session>
    <session-announcement>
      session-announcement
    </session-announcement>
    <session-name>
      session-name
    </session-name>
    <session-version>
      session-version
    </session-version>
    <session-origin>....</session-origin>
    <upstream-protocol>
      upstream-protocol
    </upstream-protocol>
    <session-description>
      session-description
    </session-description>
    <session-uri>
      session-uri
    </session-uri>
    <session-email>
      session-email
    </session-email>
    <session-phone>
      session-phone
    </session-phone>
    <session-connection-data>....</session-connection-data>
    <session-bandwidth>
      session-bandwidth
    </session-bandwidth>
    <session-start-time>
      session-start-time
    </session-start-time>
```



```

<session-stop-time>
  session-stop-time
</session-stop-time>
<session-encryption-key>
  session-encryption-key
</session-encryption-key>
<session-attribute>
  session-attribute
</session-attribute>
<session-media>
  session-media
</session-media>
</multicast-session>
</multicast-sessions-information>

```

#### Description

### <multicast-sessions-information>

#### Usage

```

<multicast-sessions-information>
  <multicast-session>....</multicast-session>
  <multicast-session-count>
    multicast-session-count
  </multicast-session-count>
  <multicast-sessions-type>
    multicast-sessions-type
  </multicast-sessions-type>
</multicast-sessions-information>

```

#### Description

### <multicast-source>

#### Usage

```

<multicast-usage-information>
  <multicast-source>
    <multicast-source-address>
      multicast-source-address
    </multicast-source-address>
    <multicast-source-prefix-length>
      multicast-source-prefix-length
    </multicast-source-prefix-length>
    <multicast-group-count>
      multicast-group-count
    </multicast-group-count>
    <multicast-packet-count>
      multicast-packet-count
    </multicast-packet-count>
    <multicast-packet-count-not-available>
      multicast-packet-count-not-available
    </multicast-packet-count-not-available>
    <multicast-byte-count>
      multicast-byte-count
  </multicast-source>
</multicast-usage-information>

```

```
</multicast-byte-count>
<multicast-byte-count-not-available>
  multicast-byte-count-not-available
</multicast-byte-count-not-available>
<multicast-source-group>....</multicast-source-group>
</multicast-source>
</multicast-usage-information>
```

#### Description

### <multicast-source-group>

#### Usage

```
<multicast-usage-information>
<multicast-source>
  <multicast-source-group>
    <multicast-group-address>
      multicast-group-address
    </multicast-group-address>
    <multicast-packet-count>
      multicast-packet-count
    </multicast-packet-count>
    <multicast-packet-count-not-available>
      multicast-packet-count-not-available
    </multicast-packet-count-not-available>
    <multicast-byte-count>
      multicast-byte-count
    </multicast-byte-count>
    <multicast-byte-count-not-available>
      multicast-byte-count-not-available
    </multicast-byte-count-not-available>
  </multicast-source-group>
</multicast-source>
</multicast-usage-information>
```

#### Description

### <multicast-statistics>

#### Usage

```
<multicast-statistics-information>
<multicast-statistics>
  <instance-name>
    instance-name
  </instance-name>
  <address-family>
    address-family
  </address-family>
  <mc-stats-interface>....</mc-stats-interface>
  <mc-resolves-no-mc-interface>
    mc-resolves-no-mc-interface
  </mc-resolves-no-mc-interface>
  <mc-global-resolves-no-route>
    mc-global-resolves-no-route
```

```

</mc-global-resolves-no-route>
<mc-notifies-no-mc-interface>
  mc-notifies-no-mc-interface
</mc-notifies-no-mc-interface>
<mc-notifies-no-route>
  mc-notifies-no-route
</mc-notifies-no-route>
<mc-mismatches-no-mc-interface>
  mc-mismatches-no-mc-interface
</mc-mismatches-no-mc-interface>
<mc-groups-no-mc-interface>
  mc-groups-no-mc-interface
</mc-groups-no-mc-interface>
</multicast-statistics>
</multicast-statistics-information>

```

#### Description

### <multicast-statistics-information>

#### Usage

```

<multicast-statistics-information>
  <multicast-statistics>....</multicast-statistics>
</multicast-statistics-information>

```

#### Description

### <multicast-tunnel>

#### Usage

```

<multicast-tunnels-information>
  <multicast-tunnel>
    <interface-name>
      interface-name
    </interface-name>
    <tunnel-local-address>
      tunnel-local-address
    </tunnel-local-address>
    <tunnel-remote-address>
      tunnel-remote-address
    </tunnel-remote-address>
    <tunnel-ttl>
      tunnel-ttl
    </tunnel-ttl>
  </multicast-tunnel>
</multicast-tunnels-information>

```

#### Description

### <multicast-tunnels-information>

#### Usage

```

<multicast-tunnels-information>

```

```
<multicast-tunnel>....</multicast-tunnel>
</multicast-tunnels-information>
```

#### Description

### <multicast-usage-information>

#### Usage

```
<multicast-usage-information>
  <multicast-usage-no-group-prefix>
    multicast-usage-no-group-prefix
  </multicast-usage-no-group-prefix>
  <multicast-usage-strange-family>
    multicast-usage-strange-family
  </multicast-usage-strange-family>
  <multicast-usage-timed-out>
    multicast-usage-timed-out
  </multicast-usage-timed-out>
  <multicast-group>....</multicast-group>
  <multicast-source>....</multicast-source>
</multicast-usage-information>
```

#### Description

### <next-hop-downstream-interface>

#### Usage

```
<multicast-next-hops-information>
  <next-hops-family>
    <iflist-next-hop>
      <next-hop-downstream-interface>
        <interface-name>
          interface-name
        </interface-name>
        <interface-index>
          interface-index
        </interface-index>
        <interface-nh-index>
          interface-nh-index
        </interface-nh-index>
      </next-hop-downstream-interface>
    </iflist-next-hop>
  </next-hops-family>
</multicast-next-hops-information>
```

#### Description

### <next-hops-family>

#### Usage

```
<multicast-next-hops-information>
  <next-hops-family>
    <address-family>
```

```

        address-family
      </address-family>
    <iflist-next-hop>....</iflist-next-hop>
  </next-hops-family>
</multicast-next-hops-information>

```

#### Description

### <proxy-upstream-interface>

#### Usage

```

<proxy-upstream-interface>
  <interface-name>
    interface-name
  </interface-name>
</proxy-upstream-interface>

```

#### Description

### <proxy-upstream-interface>

#### Usage

```

<multicast-pim-to-igmp-proxy-information>
  <multicast-pim-to-igmp-proxy>
    <proxy-upstream-interface>
      <interface-name>
        interface-name
      </interface-name>
    </proxy-upstream-interface>
  </multicast-pim-to-igmp-proxy>
</multicast-pim-to-igmp-proxy-information>

```

#### Description

### <proxy-upstream-interface>

#### Usage

```

<multicast-pim-to-mld-proxy-information>
  <multicast-pim-to-mld-proxy>
    <proxy-upstream-interface>
      <interface-name>
        interface-name
      </interface-name>
    </proxy-upstream-interface>
  </multicast-pim-to-mld-proxy>
</multicast-pim-to-mld-proxy-information>

```

#### Description

## <redundant-sources>

### Usage

```
<multicast-flow-maps-information>
  <multicast-flow-maps>
    <multicast-flow-map>
      <redundant-sources>
        <multicast-source-address>
          multicast-source-address
        </multicast-source-address>
      </redundant-sources>
    </multicast-flow-map>
  </multicast-flow-maps>
</multicast-flow-maps-information>
```

**Description** Redundant source addresses

## <reverse-oif>

### Usage

```
<mgm-interface-groups>
  <mgm-group>
    <reverse-oif>
      <oif-name>
        oif-name
      </oif-name>
      <host-count>
        host-count
      </host-count>
    </reverse-oif>
  </mgm-group>
</mgm-interface-groups>
```

**Description**

## <reverse-oif>

### Usage

```
<igmp-group-information>
  <mgm-interface-groups>
    <mgm-group>
      <reverse-oif>
        <oif-name>
          oif-name
        </oif-name>
        <host-count>
          host-count
        </host-count>
      </reverse-oif>
    </mgm-group>
  </mgm-interface-groups>
</igmp-group-information>
```

**Description****<reverse-oif>****Usage**

```
<mld-group-information>
  <mgm-interface-groups>
    <mgm-group>
      <reverse-oif>
        <oif-name>
          oif-name
        </oif-name>
        <host-count>
          host-count
        </host-count>
      </reverse-oif>
    </mgm-group>
  </mgm-interface-groups>
</mld-group-information>
```

**Description****<reverse-oif>****Usage**

```
<igmp-snooping-group-information-per-learning-domain>
  <mgm-interface-groups>
    <mgm-group>
      <reverse-oif>
        <oif-name>
          oif-name
        </oif-name>
        <host-count>
          host-count
        </host-count>
      </reverse-oif>
    </mgm-group>
  </mgm-interface-groups>
</igmp-snooping-group-information-per-learning-domain>
```

**Description****<reverse-oif>****Usage**

```
<igmp-snooping-group-information-per-bridge-domain>
<igmp-snooping-group-information-per-learning-domain>
  <mgm-interface-groups>
    <mgm-group>
      <reverse-oif>
        <oif-name>
          oif-name
        </oif-name>
        <host-count>
```

```
        host-count
      </host-count>
    </reverse-oif>
  </mgm-group>
</mgm-interface-groups>
</igmp-snooping-group-information-per-learning-domain>
</igmp-snooping-group-information-per-bridge-domain>
```

#### Description

#### <reverse-oif>

##### Usage

```
<igmp-snooping-group-information-per-instance>
  <igmp-snooping-group-information-per-bridge-domain>
    <igmp-snooping-group-information-per-learning-domain>
      <mgm-interface-groups>
        <mgm-group>
          <reverse-oif>
            <oif-name>
              oif-name
            </oif-name>
            <host-count>
              host-count
            </host-count>
          </reverse-oif>
        </mgm-group>
      </mgm-interface-groups>
    </igmp-snooping-group-information-per-learning-domain>
  </igmp-snooping-group-information-per-bridge-domain>
</igmp-snooping-group-information-per-instance>
```

#### Description

#### <reverse-oif>

##### Usage

```
<igmp-snooping-group-information-root>
  <igmp-snooping-group-information-per-instance>
    <igmp-snooping-group-information-per-bridge-domain>
      <igmp-snooping-group-information-per-learning-domain>
        <mgm-interface-groups>
          <mgm-group>
            <reverse-oif>
              <oif-name>
                oif-name
              </oif-name>
              <host-count>
                host-count
              </host-count>
            </reverse-oif>
          </mgm-group>
        </mgm-interface-groups>
      </igmp-snooping-group-information-per-learning-domain>
    </igmp-snooping-group-information-per-bridge-domain>
  </igmp-snooping-group-information-per-instance>
```



```

</igmp-snooping-group-information-per-bridge-domain>
</igmp-snooping-group-information-per-instance>
</igmp-snooping-group-information-root>

```

#### Description

#### <route-family>

#### Usage

```

<multicast-route-information>
  <route-family>
    <bulking-indicator>
      bulking-indicator
    </bulking-indicator>
    <address-family>
      address-family
    </address-family>
    <multicast-route>....</multicast-route>
  </route-family>
</multicast-route-information>

```

#### Description

#### <rpf-family>

#### Usage

```

<multicast-rpf-information>
  <rpf-family>
    <address-family>
      address-family
    </address-family>
    <rpf-table-name>
      rpf-table-name
    </rpf-table-name>
    <rpf-table-entry-count>
      rpf-table-entry-count
    </rpf-table-entry-count>
    <rpf-route>....</rpf-route>
  </rpf-family>
</multicast-rpf-information>

```

#### Description

#### <rpf-route>

#### Usage

```

<multicast-rpf-information>
  <rpf-family>
    <rpf-route>
      <prefix>
        prefix
      </prefix>
    <rpf-route-inactive>

```

```
    rpf-route-inactive
  </rpf-route-inactive>
  <rpf-route-protocol>
    rpf-route-protocol
  </rpf-route-protocol>
  <interface-name>
    interface-name
  </interface-name>
  <rpf-route-neighbor>
    rpf-route-neighbor
  </rpf-route-neighbor>
</rpf-route>
</rpf-family>
</multicast-rpf-information>
```

#### Description

### <session-connection-data>

#### Usage

```
<multicast-sessions-information>
  <multicast-session>
    <session-connection-data>
      <session-address>
        session-address
      </session-address>
      <session-ttl>
        session-ttl
      </session-ttl>
      <session-layers>
        session-layers
      </session-layers>
    </session-connection-data>
  </multicast-session>
</multicast-sessions-information>
```

#### Description

### <session-origin>

#### Usage

```
<multicast-sessions-information>
  <multicast-session>
    <session-origin>
      <session-originator-username>
        session-originator-username
      </session-originator-username>
      <session-originator-address>
        session-originator-address
      </session-originator-address>
    </session-origin>
  </multicast-session>
</multicast-sessions-information>
```

**Description**



## CHAPTER 15

# Operational Response Tag Elements Specific to EX Series and QFX Series

This chapter lists the Extensible Markup Language (XML) tag elements in the Junos XML application programming interface (API) that contain operational information. The Junos XML protocol and NETCONF servers return them in response to requests from client applications.

The tags listed in this chapter are specific to devices belonging to the following platforms:

- EX Series
- QFX Series

The tags are divided into the following sections and listed in alphabetical order within each section.

- [Summary of Connectivity Fault Management Response Tags on page 7369](#)
- [Summary of Chassis Response Tags on page 7482](#)
- [Summary of 802.1X Process Response Tags on page 7669](#)
- [Summary of ESW Response Tags on page 7695](#)
- [Summary of Layer 2 Control Protocol Response Tags on page 7821](#)
- [Summary of sFLOW Response Tags on page 7880](#)
- [Summary of VCCP Response Tags on page 7881](#)
- [Summary of Uplink Failure Detection Information Response Tags on page 7975](#)

## Summary of Connectivity Fault Management Response Tags

---

### <cfm-adjacency-entry>

#### Usage

```
<cfm-adjacency-information>
  <cfm-adjacency-entry>
    <cfm-remote-mep-identifier>
      cfm-remote-mep-identifier
    </cfm-remote-mep-identifier>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
```

```
<cfm-interface-state>
  cfm-interface-state
</cfm-interface-state>
<cfm-interface-time-to-expire>
  cfm-interface-time-to-expire
</cfm-interface-time-to-expire>
</cfm-adjacency-entry>
</cfm-adjacency-information>
```

#### Description

### <cfm-adjacency-information>

#### Usage

```
<cfm-adjacency-information>
  <cfm-adjacency-entry>....</cfm-adjacency-entry>
</cfm-adjacency-information>
```

#### Description

### <cfm-counters-route-socket-operations>

#### Usage

```
<cfm-counters-route-socket-operations>
  <cfm-route-socket-message-counters>....</cfm-route-socket-message-counters>

</cfm-counters-route-socket-operations>
```

#### Description

### <cfm-counters-route-socket-received>

#### Usage

```
<cfm-counters-route-socket-received>
  <cfm-route-socket-message-counters>....</cfm-route-socket-message-counters>

</cfm-counters-route-socket-received>
```

#### Description

### <cfm-cross-connect-session>

#### Usage

```
<cfm-entry>
  <cfm-cross-connect-sessions>
    <cfm-cross-connect-session>
      <cfm-session-defect-type>
        cfm-session-defect-type
      </cfm-session-defect-type>
      <cfm-session-defect-description>
        cfm-session-defect-description
      </cfm-session-defect-description>
```

```

<cfm-level>
  cfm-level
</cfm-level>
<cfm-maintenance-domain-name>
  cfm-maintenance-domain-name
</cfm-maintenance-domain-name>
<cfm-maintenance-domain-name-format>
  cfm-maintenance-domain-name-format
</cfm-maintenance-domain-name-format>
<cfm-maintenance-association-name>
  cfm-maintenance-association-name
</cfm-maintenance-association-name>
<cfm-maintenance-association-name-format>
  cfm-maintenance-association-name-format
</cfm-maintenance-association-name-format>
<cfm-mep-identifier>
  cfm-mep-identifier
</cfm-mep-identifier>
<cfm-continuity-check-interval>
  cfm-continuity-check-interval
</cfm-continuity-check-interval>
</cfm-cross-connect-session>
</cfm-cross-connect-sessions>
</cfm-entry>

```

## Description

### <cfm-cross-connect-session>

#### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-cross-connect-sessions>
      <cfm-cross-connect-session>
        <cfm-session-defect-type>
          cfm-session-defect-type
        </cfm-session-defect-type>
        <cfm-session-defect-description>
          cfm-session-defect-description
        </cfm-session-defect-description>
        <cfm-level>
          cfm-level
        </cfm-level>
        <cfm-maintenance-domain-name>
          cfm-maintenance-domain-name
        </cfm-maintenance-domain-name>
        <cfm-maintenance-domain-name-format>
          cfm-maintenance-domain-name-format
        </cfm-maintenance-domain-name-format>
        <cfm-maintenance-association-name>
          cfm-maintenance-association-name
        </cfm-maintenance-association-name>
        <cfm-maintenance-association-name-format>
          cfm-maintenance-association-name-format
        </cfm-maintenance-association-name-format>
      </cfm-cross-connect-session>
    </cfm-cross-connect-sessions>
  </cfm-entry>
</cfm-interface>

```

```
<cfm-mep-identifier>
  cfm-mep-identifier
</cfm-mep-identifier>
<cfm-continuity-check-interval>
  cfm-continuity-check-interval
</cfm-continuity-check-interval>
</cfm-cross-connect-session>
</cfm-cross-connect-sessions>
</cfm-entry>
</cfm-interface>
```

## Description

### <cfm-cross-connect-session>

#### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-cross-connect-sessions>
      <cfm-cross-connect-session>
        <cfm-session-defect-type>
          cfm-session-defect-type
        </cfm-session-defect-type>
        <cfm-session-defect-description>
          cfm-session-defect-description
        </cfm-session-defect-description>
        <cfm-level>
          cfm-level
        </cfm-level>
        <cfm-maintenance-domain-name>
          cfm-maintenance-domain-name
        </cfm-maintenance-domain-name>
        <cfm-maintenance-domain-name-format>
          cfm-maintenance-domain-name-format
        </cfm-maintenance-domain-name-format>
        <cfm-maintenance-association-name>
          cfm-maintenance-association-name
        </cfm-maintenance-association-name>
        <cfm-maintenance-association-name-format>
          cfm-maintenance-association-name-format
        </cfm-maintenance-association-name-format>
        <cfm-mep-identifier>
          cfm-mep-identifier
        </cfm-mep-identifier>
        <cfm-continuity-check-interval>
          cfm-continuity-check-interval
        </cfm-continuity-check-interval>
      </cfm-cross-connect-session>
    </cfm-cross-connect-sessions>
  </cfm-entry>
</cfm-mep-database>
```

## Description



## <cfm-cross-connect-session>

### Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-cross-connect-sessions>
      <cfm-cross-connect-session>
        <cfm-session-defect-type>
          cfm-session-defect-type
        </cfm-session-defect-type>
        <cfm-session-defect-description>
          cfm-session-defect-description
        </cfm-session-defect-description>
        <cfm-level>
          cfm-level
        </cfm-level>
        <cfm-maintenance-domain-name>
          cfm-maintenance-domain-name
        </cfm-maintenance-domain-name>
        <cfm-maintenance-domain-name-format>
          cfm-maintenance-domain-name-format
        </cfm-maintenance-domain-name-format>
        <cfm-maintenance-association-name>
          cfm-maintenance-association-name
        </cfm-maintenance-association-name>
        <cfm-maintenance-association-name-format>
          cfm-maintenance-association-name-format
        </cfm-maintenance-association-name-format>
        <cfm-mep-identifier>
          cfm-mep-identifier
        </cfm-mep-identifier>
        <cfm-continuity-check-interval>
          cfm-continuity-check-interval
        </cfm-continuity-check-interval>
      </cfm-cross-connect-session>
    </cfm-cross-connect-sessions>
  </cfm-entry>
</cfm-mep-statistics>

```

### Description

## <cfm-cross-connect-session>

### Usage

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-cross-connect-sessions>
      <cfm-cross-connect-session>
        <cfm-session-defect-type>
          cfm-session-defect-type
        </cfm-session-defect-type>
        <cfm-session-defect-description>
          cfm-session-defect-description
        </cfm-session-defect-description>
      </cfm-cross-connect-session>
    </cfm-cross-connect-sessions>
  </cfm-entry>
</cfm-delay-statistics>

```

```
<cfm-level>
  cfm-level
</cfm-level>
<cfm-maintenance-domain-name>
  cfm-maintenance-domain-name
</cfm-maintenance-domain-name>
<cfm-maintenance-domain-name-format>
  cfm-maintenance-domain-name-format
</cfm-maintenance-domain-name-format>
<cfm-maintenance-association-name>
  cfm-maintenance-association-name
</cfm-maintenance-association-name>
<cfm-maintenance-association-name-format>
  cfm-maintenance-association-name-format
</cfm-maintenance-association-name-format>
<cfm-mep-identifier>
  cfm-mep-identifier
</cfm-mep-identifier>
<cfm-continuity-check-interval>
  cfm-continuity-check-interval
</cfm-continuity-check-interval>
</cfm-cross-connect-session>
</cfm-cross-connect-sessions>
</cfm-entry>
</cfm-delay-statistics>
```

#### Description

### <cfm-cross-connect-sessions>

#### Usage

```
<cfm-entry>
  <cfm-cross-connect-sessions>
    <cfm-cross-connect-session-count>
      cfm-cross-connect-session-count
    </cfm-cross-connect-session-count>
    <cfm-cross-connect-session>....</cfm-cross-connect-session>
  </cfm-cross-connect-sessions>
</cfm-entry>
```

#### Description

### <cfm-cross-connect-sessions>

#### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-cross-connect-sessions>
      <cfm-cross-connect-session-count>
        cfm-cross-connect-session-count
      </cfm-cross-connect-session-count>
      <cfm-cross-connect-session>....</cfm-cross-connect-session>
    </cfm-cross-connect-sessions>
  </cfm-entry>
```

```
</cfm-interface>
```

#### Description

### <cfm-cross-connect-sessions>

#### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-cross-connect-sessions>
      <cfm-cross-connect-session-count>
        cfm-cross-connect-session-count
      </cfm-cross-connect-session-count>
      <cfm-cross-connect-session>....</cfm-cross-connect-session>
    </cfm-cross-connect-sessions>
  </cfm-entry>
</cfm-mep-database>
```

#### Description

### <cfm-cross-connect-sessions>

#### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-cross-connect-sessions>
      <cfm-cross-connect-session-count>
        cfm-cross-connect-session-count
      </cfm-cross-connect-session-count>
      <cfm-cross-connect-session>....</cfm-cross-connect-session>
    </cfm-cross-connect-sessions>
  </cfm-entry>
</cfm-mep-statistics>
```

#### Description

### <cfm-cross-connect-sessions>

#### Usage

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-cross-connect-sessions>
      <cfm-cross-connect-session-count>
        cfm-cross-connect-session-count
      </cfm-cross-connect-session-count>
      <cfm-cross-connect-session>....</cfm-cross-connect-session>
    </cfm-cross-connect-sessions>
  </cfm-entry>
</cfm-delay-statistics>
```

#### Description

## <cfm-delay-statistics>

### Usage

```
<cfm-delay-statistics>
  <cfm-entry>....</cfm-entry>
</cfm-delay-statistics>
```

**Description** Information about ethernet delay statistics for one or more CFM sessions

## <cfm-dfwd-pending-transactions>

### Usage

```
<cfmd-internal-state>
  <cfm-dfwd-pending-transactions>
    <cfm-dfwd-transaction>....</cfm-dfwd-transaction>
  </cfm-dfwd-pending-transactions>
</cfmd-internal-state>
```

### Description

## <cfm-dfwd-transaction>

### Usage

```
<cfmd-internal-state>
  <cfm-dfwd-pending-transactions>
    <cfm-dfwd-transaction>
      <cfm-dfwd-transaction-id>
        cfm-dfwd-transaction-id
      </cfm-dfwd-transaction-id>
      <cfm-dfwd-nh-to-delete>
        cfm-dfwd-nh-to-delete
      </cfm-dfwd-nh-to-delete>
    </cfm-dfwd-transaction>
  </cfm-dfwd-pending-transactions>
</cfmd-internal-state>
```

### Description

## <cfm-entry>

### Usage

```
<cfm-entry>
  <cfm-interface-entry>....</cfm-interface-entry>
  <cfm-interface-sessions>....</cfm-interface-sessions>
  <cfm-mep-database-session>....</cfm-mep-database-session>
  <cfm-mep-database-continuity-check>....</cfm-mep-database-continuity-check>

  <cfm-mep-database-interface>....</cfm-mep-database-interface>
  <cfm-local-mep>....</cfm-local-mep>
  <cfm-local-mep-defects>....</cfm-local-mep-defects>
  <cfm-local-mep-statistics>....</cfm-local-mep-statistics>
  <cfm-remote-meps>....</cfm-remote-meps>
```

```

<cfm-cross-connect-sessions>....</cfm-cross-connect-sessions>
<cfm-error-sessions>....</cfm-error-sessions>
<cfm-mep-statistics-mep-summary>....</cfm-mep-statistics-mep-summary>
<cfm-local-mep-packet-statistics>....</cfm-local-mep-packet-statistics>
<cfm-remote-mep-brief-summary>....</cfm-remote-mep-brief-summary>
<cfm-ethdm-delay-entry>....</cfm-ethdm-delay-entry>
<cfm-ethdm-oneway-delay-summary>....</cfm-ethdm-oneway-delay-summary>

<cfm-ethdm-twoway-delay-summary>....</cfm-ethdm-twoway-delay-summary>

</cfm-entry>

```

## Description

### <cfm-entry>

#### Usage

```

<cfm-interface>
<cfm-entry>
  <cfm-interface-entry>....</cfm-interface-entry>
  <cfm-interface-sessions>....</cfm-interface-sessions>
  <cfm-mep-database-session>....</cfm-mep-database-session>
  <cfm-mep-database-continuity-check>....</cfm-mep-database-continuity-check>

  <cfm-mep-database-interface>....</cfm-mep-database-interface>
  <cfm-local-mep>....</cfm-local-mep>
  <cfm-local-mep-defects>....</cfm-local-mep-defects>
  <cfm-local-mep-statistics>....</cfm-local-mep-statistics>
  <cfm-remote-meps>....</cfm-remote-meps>
  <cfm-cross-connect-sessions>....</cfm-cross-connect-sessions>
  <cfm-error-sessions>....</cfm-error-sessions>
  <cfm-mep-statistics-mep-summary>....</cfm-mep-statistics-mep-summary>
  <cfm-local-mep-packet-statistics>....</cfm-local-mep-packet-statistics>
  <cfm-remote-mep-brief-summary>....</cfm-remote-mep-brief-summary>
  <cfm-ethdm-delay-entry>....</cfm-ethdm-delay-entry>
  <cfm-ethdm-oneway-delay-summary>....</cfm-ethdm-oneway-delay-summary>

  <cfm-ethdm-twoway-delay-summary>....</cfm-ethdm-twoway-delay-summary>

</cfm-entry>
</cfm-interface>

```

## Description

### <cfm-entry>

#### Usage

```

<cfm-mep-database>
<cfm-entry>
  <cfm-interface-entry>....</cfm-interface-entry>
  <cfm-interface-sessions>....</cfm-interface-sessions>
  <cfm-mep-database-session>....</cfm-mep-database-session>
  <cfm-mep-database-continuity-check>....</cfm-mep-database-continuity-check>

```

```

<cfm-mep-database-interface>....</cfm-mep-database-interface>
<cfm-local-mep>....</cfm-local-mep>
<cfm-local-mep-defects>....</cfm-local-mep-defects>
<cfm-local-mep-statistics>....</cfm-local-mep-statistics>
<cfm-remote-meps>....</cfm-remote-meps>
<cfm-cross-connect-sessions>....</cfm-cross-connect-sessions>
<cfm-error-sessions>....</cfm-error-sessions>
<cfm-mep-statistics-mep-summary>....</cfm-mep-statistics-mep-summary>
<cfm-local-mep-packet-statistics>....</cfm-local-mep-packet-statistics>
<cfm-remote-mep-brief-summary>....</cfm-remote-mep-brief-summary>
<cfm-ethdm-delay-entry>....</cfm-ethdm-delay-entry>
<cfm-ethdm-oneway-delay-summary>....</cfm-ethdm-oneway-delay-summary>

<cfm-ethdm-twoway-delay-summary>....</cfm-ethdm-twoway-delay-summary>

</cfm-entry>
</cfm-mep-database>

```

#### Description

#### <cfm-entry>

#### Usage

```

<cfm-mep-statistics>
<cfm-entry>
  <cfm-interface-entry>....</cfm-interface-entry>
  <cfm-interface-sessions>....</cfm-interface-sessions>
  <cfm-mep-database-session>....</cfm-mep-database-session>
  <cfm-mep-database-continuity-check>....</cfm-mep-database-continuity-check>

  <cfm-mep-database-interface>....</cfm-mep-database-interface>
  <cfm-local-mep>....</cfm-local-mep>
  <cfm-local-mep-defects>....</cfm-local-mep-defects>
  <cfm-local-mep-statistics>....</cfm-local-mep-statistics>
  <cfm-remote-meps>....</cfm-remote-meps>
  <cfm-cross-connect-sessions>....</cfm-cross-connect-sessions>
  <cfm-error-sessions>....</cfm-error-sessions>
  <cfm-mep-statistics-mep-summary>....</cfm-mep-statistics-mep-summary>
  <cfm-local-mep-packet-statistics>....</cfm-local-mep-packet-statistics>
  <cfm-remote-mep-brief-summary>....</cfm-remote-mep-brief-summary>
  <cfm-ethdm-delay-entry>....</cfm-ethdm-delay-entry>
  <cfm-ethdm-oneway-delay-summary>....</cfm-ethdm-oneway-delay-summary>

  <cfm-ethdm-twoway-delay-summary>....</cfm-ethdm-twoway-delay-summary>

</cfm-entry>
</cfm-mep-statistics>

```

#### Description

#### <cfm-entry>

#### Usage

```

<cfm-delay-statistics>

```

```

<cfm-entry>
  <cfm-interface-entry>....</cfm-interface-entry>
  <cfm-interface-sessions>....</cfm-interface-sessions>
  <cfm-mep-database-session>....</cfm-mep-database-session>
  <cfm-mep-database-continuity-check>....</cfm-mep-database-continuity-check>

  <cfm-mep-database-interface>....</cfm-mep-database-interface>
  <cfm-local-mep>....</cfm-local-mep>
  <cfm-local-mep-defects>....</cfm-local-mep-defects>
  <cfm-local-mep-statistics>....</cfm-local-mep-statistics>
  <cfm-remote-meps>....</cfm-remote-meps>
  <cfm-cross-connect-sessions>....</cfm-cross-connect-sessions>
  <cfm-error-sessions>....</cfm-error-sessions>
  <cfm-mep-statistics-mep-summary>....</cfm-mep-statistics-mep-summary>
  <cfm-local-mep-packet-statistics>....</cfm-local-mep-packet-statistics>
  <cfm-remote-mep-brief-summary>....</cfm-remote-mep-brief-summary>
  <cfm-ethdm-delay-entry>....</cfm-ethdm-delay-entry>
  <cfm-ethdm-oneway-delay-summary>....</cfm-ethdm-oneway-delay-summary>

  <cfm-ethdm-twoway-delay-summary>....</cfm-ethdm-twoway-delay-summary>

</cfm-entry>
</cfm-delay-statistics>

```

## Description

### <cfm-error-session>

#### Usage

```

<cfm-entry>
  <cfm-error-sessions>
    <cfm-error-session>
      <cfm-session-defect-type>
        cfm-session-defect-type
      </cfm-session-defect-type>
      <cfm-session-defect-description>
        cfm-session-defect-description
      </cfm-session-defect-description>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-domain-name-format>
        cfm-maintenance-domain-name-format
      </cfm-maintenance-domain-name-format>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-maintenance-association-name-format>
        cfm-maintenance-association-name-format
      </cfm-maintenance-association-name-format>
      <cfm-continuity-check-interval>
        cfm-continuity-check-interval
    </cfm-error-session>
  </cfm-error-sessions>
</cfm-entry>

```

```
</cfm-continuity-check-interval>
<cfm-mep-identifier>
  cfm-mep-identifier
</cfm-mep-identifier>
</cfm-error-session>
</cfm-error-sessions>
</cfm-entry>
```

## Description

### <cfm-error-session>

#### Usage

```
<cfm-interface>
<cfm-entry>
  <cfm-error-sessions>
    <cfm-error-session>
      <cfm-session-defect-type>
        cfm-session-defect-type
      </cfm-session-defect-type>
      <cfm-session-defect-description>
        cfm-session-defect-description
      </cfm-session-defect-description>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-domain-name-format>
        cfm-maintenance-domain-name-format
      </cfm-maintenance-domain-name-format>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-maintenance-association-name-format>
        cfm-maintenance-association-name-format
      </cfm-maintenance-association-name-format>
      <cfm-continuity-check-interval>
        cfm-continuity-check-interval
      </cfm-continuity-check-interval>
      <cfm-mep-identifier>
        cfm-mep-identifier
      </cfm-mep-identifier>
    </cfm-error-session>
  </cfm-error-sessions>
</cfm-entry>
</cfm-interface>
```

## Description



**<cfm-error-session>****Usage**

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-error-sessions>
      <cfm-error-session>
        <cfm-session-defect-type>
          cfm-session-defect-type
        </cfm-session-defect-type>
        <cfm-session-defect-description>
          cfm-session-defect-description
        </cfm-session-defect-description>
        <cfm-level>
          cfm-level
        </cfm-level>
        <cfm-maintenance-domain-name>
          cfm-maintenance-domain-name
        </cfm-maintenance-domain-name>
        <cfm-maintenance-domain-name-format>
          cfm-maintenance-domain-name-format
        </cfm-maintenance-domain-name-format>
        <cfm-maintenance-association-name>
          cfm-maintenance-association-name
        </cfm-maintenance-association-name>
        <cfm-maintenance-association-name-format>
          cfm-maintenance-association-name-format
        </cfm-maintenance-association-name-format>
        <cfm-continuity-check-interval>
          cfm-continuity-check-interval
        </cfm-continuity-check-interval>
        <cfm-mep-identifier>
          cfm-mep-identifier
        </cfm-mep-identifier>
      </cfm-error-session>
    </cfm-error-sessions>
  </cfm-entry>
</cfm-mep-database>

```

**Description****<cfm-error-session>****Usage**

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-error-sessions>
      <cfm-error-session>
        <cfm-session-defect-type>
          cfm-session-defect-type
        </cfm-session-defect-type>
        <cfm-session-defect-description>
          cfm-session-defect-description
        </cfm-session-defect-description>
      </cfm-error-session>
    </cfm-error-sessions>
  </cfm-entry>
</cfm-mep-statistics>

```

```
<cfm-level>
  cfm-level
</cfm-level>
<cfm-maintenance-domain-name>
  cfm-maintenance-domain-name
</cfm-maintenance-domain-name>
<cfm-maintenance-domain-name-format>
  cfm-maintenance-domain-name-format
</cfm-maintenance-domain-name-format>
<cfm-maintenance-association-name>
  cfm-maintenance-association-name
</cfm-maintenance-association-name>
<cfm-maintenance-association-name-format>
  cfm-maintenance-association-name-format
</cfm-maintenance-association-name-format>
<cfm-continuity-check-interval>
  cfm-continuity-check-interval
</cfm-continuity-check-interval>
<cfm-mep-identifier>
  cfm-mep-identifier
</cfm-mep-identifier>
</cfm-error-session>
</cfm-error-sessions>
</cfm-entry>
</cfm-mep-statistics>
```

#### Description

#### <cfm-error-session>

#### Usage

```
<cfm-delay-statistics>
<cfm-entry>
  <cfm-error-sessions>
    <cfm-error-session>
      <cfm-session-defect-type>
        cfm-session-defect-type
      </cfm-session-defect-type>
      <cfm-session-defect-description>
        cfm-session-defect-description
      </cfm-session-defect-description>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-domain-name-format>
        cfm-maintenance-domain-name-format
      </cfm-maintenance-domain-name-format>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-maintenance-association-name-format>
        cfm-maintenance-association-name-format
```

```

</cfm-maintenance-association-name-format>
<cfm-continuity-check-interval>
  cfm-continuity-check-interval
</cfm-continuity-check-interval>
<cfm-mep-identifier>
  cfm-mep-identifier
</cfm-mep-identifier>
</cfm-error-session>
</cfm-error-sessions>
</cfm-entry>
</cfm-delay-statistics>

```

#### Description

### <cfm-error-sessions>

#### Usage

```

<cfm-entry>
  <cfm-error-sessions>
    <cfm-error-session-count>
      cfm-error-session-count
    </cfm-error-session-count>
    <cfm-error-session>....</cfm-error-session>
  </cfm-error-sessions>
</cfm-entry>

```

#### Description

### <cfm-error-sessions>

#### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-error-sessions>
      <cfm-error-session-count>
        cfm-error-session-count
      </cfm-error-session-count>
      <cfm-error-session>....</cfm-error-session>
    </cfm-error-sessions>
  </cfm-entry>
</cfm-interface>

```

#### Description

### <cfm-error-sessions>

#### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-error-sessions>
      <cfm-error-session-count>
        cfm-error-session-count
      </cfm-error-session-count>
    </cfm-error-sessions>
  </cfm-entry>
</cfm-mep-database>

```

```
<cfm-error-session>....</cfm-error-session>
</cfm-error-sessions>
</cfm-entry>
</cfm-mep-database>
```

#### Description

### <cfm-error-sessions>

#### Usage

```
<cfm-mep-statistics>
<cfm-entry>
  <cfm-error-sessions>
    <cfm-error-session-count>
      cfm-error-session-count
    </cfm-error-session-count>
    <cfm-error-session>....</cfm-error-session>
  </cfm-error-sessions>
</cfm-entry>
</cfm-mep-statistics>
```

#### Description

### <cfm-error-sessions>

#### Usage

```
<cfm-delay-statistics>
<cfm-entry>
  <cfm-error-sessions>
    <cfm-error-session-count>
      cfm-error-session-count
    </cfm-error-session-count>
    <cfm-error-session>....</cfm-error-session>
  </cfm-error-sessions>
</cfm-entry>
</cfm-delay-statistics>
```

#### Description

### <cfm-ethdm-delay-entry>

#### Usage

```
<cfm-entry>
  <cfm-ethdm-delay-entry>
    <cfm-ethdm-delay-entry-index>
      cfm-ethdm-delay-entry-index
    </cfm-ethdm-delay-entry-index>
    <cfm-ethdm-oneway-delay>
      cfm-ethdm-oneway-delay
    </cfm-ethdm-oneway-delay>
    <cfm-ethdm-twoway-delay>
      cfm-ethdm-twoway-delay
    </cfm-ethdm-twoway-delay>
```

```

    </cfm-ethdm-delay-entry>
  </cfm-entry>

```

#### Description

### <cfm-ethdm-delay-entry>

#### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-ethdm-delay-entry>
      <cfm-ethdm-delay-entry-index>
        cfm-ethdm-delay-entry-index
      </cfm-ethdm-delay-entry-index>
      <cfm-ethdm-oneway-delay>
        cfm-ethdm-oneway-delay
      </cfm-ethdm-oneway-delay>
      <cfm-ethdm-twoway-delay>
        cfm-ethdm-twoway-delay
      </cfm-ethdm-twoway-delay>
    </cfm-ethdm-delay-entry>
  </cfm-entry>
</cfm-interface>

```

#### Description

### <cfm-ethdm-delay-entry>

#### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-ethdm-delay-entry>
      <cfm-ethdm-delay-entry-index>
        cfm-ethdm-delay-entry-index
      </cfm-ethdm-delay-entry-index>
      <cfm-ethdm-oneway-delay>
        cfm-ethdm-oneway-delay
      </cfm-ethdm-oneway-delay>
      <cfm-ethdm-twoway-delay>
        cfm-ethdm-twoway-delay
      </cfm-ethdm-twoway-delay>
    </cfm-ethdm-delay-entry>
  </cfm-entry>
</cfm-mep-database>

```

#### Description

### <cfm-ethdm-delay-entry>

#### Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-ethdm-delay-entry>

```

```
<cfm-ethdm-delay-entry-index>
  cfm-ethdm-delay-entry-index
</cfm-ethdm-delay-entry-index>
<cfm-ethdm-oneway-delay>
  cfm-ethdm-oneway-delay
</cfm-ethdm-oneway-delay>
<cfm-ethdm-twoway-delay>
  cfm-ethdm-twoway-delay
</cfm-ethdm-twoway-delay>
</cfm-ethdm-delay-entry>
</cfm-entry>
</cfm-mep-statistics>
```

#### Description

### <cfm-ethdm-delay-entry>

#### Usage

```
<cfm-delay-statistics>
<cfm-entry>
  <cfm-ethdm-delay-entry>
    <cfm-ethdm-delay-entry-index>
      cfm-ethdm-delay-entry-index
    </cfm-ethdm-delay-entry-index>
    <cfm-ethdm-oneway-delay>
      cfm-ethdm-oneway-delay
    </cfm-ethdm-oneway-delay>
    <cfm-ethdm-twoway-delay>
      cfm-ethdm-twoway-delay
    </cfm-ethdm-twoway-delay>
  </cfm-ethdm-delay-entry>
</cfm-entry>
</cfm-delay-statistics>
```

#### Description

### <cfm-ethdm-oneway-delay-summary>

#### Usage

```
<cfm-entry>
  <cfm-ethdm-oneway-delay-summary>
    <cfm-ethdm-average-oneway-delay>
      cfm-ethdm-average-oneway-delay
    </cfm-ethdm-average-oneway-delay>
    <cfm-ethdm-average-oneway-delay-variation>
      cfm-ethdm-average-oneway-delay-variation
    </cfm-ethdm-average-oneway-delay-variation>
    <cfm-ethdm-bestcase-oneway-delay>
      cfm-ethdm-bestcase-oneway-delay
    </cfm-ethdm-bestcase-oneway-delay>
    <cfm-ethdm-worstcase-oneway-delay>
      cfm-ethdm-worstcase-oneway-delay
    </cfm-ethdm-worstcase-oneway-delay>
  </cfm-ethdm-oneway-delay-summary>
```

```
</cfm-entry>
```

#### Description

### <cfm-ethdm-oneway-delay-summary>

#### Usage

```
<cfm-interface>
<cfm-entry>
  <cfm-ethdm-oneway-delay-summary>
    <cfm-ethdm-average-oneway-delay>
      cfm-ethdm-average-oneway-delay
    </cfm-ethdm-average-oneway-delay>
    <cfm-ethdm-average-oneway-delay-variation>
      cfm-ethdm-average-oneway-delay-variation
    </cfm-ethdm-average-oneway-delay-variation>
    <cfm-ethdm-bestcase-oneway-delay>
      cfm-ethdm-bestcase-oneway-delay
    </cfm-ethdm-bestcase-oneway-delay>
    <cfm-ethdm-worstcase-oneway-delay>
      cfm-ethdm-worstcase-oneway-delay
    </cfm-ethdm-worstcase-oneway-delay>
  </cfm-ethdm-oneway-delay-summary>
</cfm-entry>
</cfm-interface>
```

#### Description

### <cfm-ethdm-oneway-delay-summary>

#### Usage

```
<cfm-mep-database>
<cfm-entry>
  <cfm-ethdm-oneway-delay-summary>
    <cfm-ethdm-average-oneway-delay>
      cfm-ethdm-average-oneway-delay
    </cfm-ethdm-average-oneway-delay>
    <cfm-ethdm-average-oneway-delay-variation>
      cfm-ethdm-average-oneway-delay-variation
    </cfm-ethdm-average-oneway-delay-variation>
    <cfm-ethdm-bestcase-oneway-delay>
      cfm-ethdm-bestcase-oneway-delay
    </cfm-ethdm-bestcase-oneway-delay>
    <cfm-ethdm-worstcase-oneway-delay>
      cfm-ethdm-worstcase-oneway-delay
    </cfm-ethdm-worstcase-oneway-delay>
  </cfm-ethdm-oneway-delay-summary>
</cfm-entry>
</cfm-mep-database>
```

#### Description

## <cfm-ethdm-oneway-delay-summary>

### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-ethdm-oneway-delay-summary>
      <cfm-ethdm-average-oneway-delay>
        cfm-ethdm-average-oneway-delay
      </cfm-ethdm-average-oneway-delay>
      <cfm-ethdm-average-oneway-delay-variation>
        cfm-ethdm-average-oneway-delay-variation
      </cfm-ethdm-average-oneway-delay-variation>
      <cfm-ethdm-bestcase-oneway-delay>
        cfm-ethdm-bestcase-oneway-delay
      </cfm-ethdm-bestcase-oneway-delay>
      <cfm-ethdm-worstcase-oneway-delay>
        cfm-ethdm-worstcase-oneway-delay
      </cfm-ethdm-worstcase-oneway-delay>
    </cfm-ethdm-oneway-delay-summary>
  </cfm-entry>
</cfm-mep-statistics>
```

### Description

## <cfm-ethdm-oneway-delay-summary>

### Usage

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-ethdm-oneway-delay-summary>
      <cfm-ethdm-average-oneway-delay>
        cfm-ethdm-average-oneway-delay
      </cfm-ethdm-average-oneway-delay>
      <cfm-ethdm-average-oneway-delay-variation>
        cfm-ethdm-average-oneway-delay-variation
      </cfm-ethdm-average-oneway-delay-variation>
      <cfm-ethdm-bestcase-oneway-delay>
        cfm-ethdm-bestcase-oneway-delay
      </cfm-ethdm-bestcase-oneway-delay>
      <cfm-ethdm-worstcase-oneway-delay>
        cfm-ethdm-worstcase-oneway-delay
      </cfm-ethdm-worstcase-oneway-delay>
    </cfm-ethdm-oneway-delay-summary>
  </cfm-entry>
</cfm-delay-statistics>
```

### Description

## <cfm-ethdm-twoway-delay-summary>

### Usage

```
<cfm-entry>
  <cfm-ethdm-twoway-delay-summary>
```



```

<cfm-ethdm-average-twoway-delay>
  cfm-ethdm-average-twoway-delay
</cfm-ethdm-average-twoway-delay>
<cfm-ethdm-average-twoway-delay-variation>
  cfm-ethdm-average-twoway-delay-variation
</cfm-ethdm-average-twoway-delay-variation>
<cfm-ethdm-bestcase-twoway-delay>
  cfm-ethdm-bestcase-twoway-delay
</cfm-ethdm-bestcase-twoway-delay>
<cfm-ethdm-worstcase-twoway-delay>
  cfm-ethdm-worstcase-twoway-delay
</cfm-ethdm-worstcase-twoway-delay>
</cfm-ethdm-twoway-delay-summary>
</cfm-entry>

```

#### Description

### <cfm-ethdm-twoway-delay-summary>

#### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-ethdm-twoway-delay-summary>
      <cfm-ethdm-average-twoway-delay>
        cfm-ethdm-average-twoway-delay
      </cfm-ethdm-average-twoway-delay>
      <cfm-ethdm-average-twoway-delay-variation>
        cfm-ethdm-average-twoway-delay-variation
      </cfm-ethdm-average-twoway-delay-variation>
      <cfm-ethdm-bestcase-twoway-delay>
        cfm-ethdm-bestcase-twoway-delay
      </cfm-ethdm-bestcase-twoway-delay>
      <cfm-ethdm-worstcase-twoway-delay>
        cfm-ethdm-worstcase-twoway-delay
      </cfm-ethdm-worstcase-twoway-delay>
    </cfm-ethdm-twoway-delay-summary>
  </cfm-entry>
</cfm-interface>

```

#### Description

### <cfm-ethdm-twoway-delay-summary>

#### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-ethdm-twoway-delay-summary>
      <cfm-ethdm-average-twoway-delay>
        cfm-ethdm-average-twoway-delay
      </cfm-ethdm-average-twoway-delay>
      <cfm-ethdm-average-twoway-delay-variation>
        cfm-ethdm-average-twoway-delay-variation
      </cfm-ethdm-average-twoway-delay-variation>
      <cfm-ethdm-bestcase-twoway-delay>

```

```
    cfm-ethdm-bestcase-twoway-delay
  </cfm-ethdm-bestcase-twoway-delay>
  <cfm-ethdm-worstcase-twoway-delay>
    cfm-ethdm-worstcase-twoway-delay
  </cfm-ethdm-worstcase-twoway-delay>
</cfm-ethdm-twoway-delay-summary>
</cfm-entry>
</cfm-mep-database>
```

## Description

### <cfm-ethdm-twoway-delay-summary>

#### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-ethdm-twoway-delay-summary>
      <cfm-ethdm-average-twoway-delay>
        cfm-ethdm-average-twoway-delay
      </cfm-ethdm-average-twoway-delay>
      <cfm-ethdm-average-twoway-delay-variation>
        cfm-ethdm-average-twoway-delay-variation
      </cfm-ethdm-average-twoway-delay-variation>
      <cfm-ethdm-bestcase-twoway-delay>
        cfm-ethdm-bestcase-twoway-delay
      </cfm-ethdm-bestcase-twoway-delay>
      <cfm-ethdm-worstcase-twoway-delay>
        cfm-ethdm-worstcase-twoway-delay
      </cfm-ethdm-worstcase-twoway-delay>
    </cfm-ethdm-twoway-delay-summary>
  </cfm-entry>
</cfm-mep-statistics>
```

## Description

### <cfm-ethdm-twoway-delay-summary>

#### Usage

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-ethdm-twoway-delay-summary>
      <cfm-ethdm-average-twoway-delay>
        cfm-ethdm-average-twoway-delay
      </cfm-ethdm-average-twoway-delay>
      <cfm-ethdm-average-twoway-delay-variation>
        cfm-ethdm-average-twoway-delay-variation
      </cfm-ethdm-average-twoway-delay-variation>
      <cfm-ethdm-bestcase-twoway-delay>
        cfm-ethdm-bestcase-twoway-delay
      </cfm-ethdm-bestcase-twoway-delay>
      <cfm-ethdm-worstcase-twoway-delay>
        cfm-ethdm-worstcase-twoway-delay
      </cfm-ethdm-worstcase-twoway-delay>
    </cfm-ethdm-twoway-delay-summary>
```

```

    </cfm-entry>
  </cfm-delay-statistics>

```

#### Description

#### <cfm-filter>

#### Usage

```

<cfm-filter>
  <cfm-filter-name>
    cfm-filter-name
  </cfm-filter-name>
  <cfm-filter-state>
    cfm-filter-state
  </cfm-filter-state>
  <cfm-filter-term-count>
    cfm-filter-term-count
  </cfm-filter-term-count>
  <cfm-filter-term-attachment>
    cfm-filter-term-attachment
  </cfm-filter-term-attachment>
</cfm-filter>

```

#### Description

#### <cfm-filter>

#### Usage

```

<cfm-firewall-filter-instance-information>
  <cfm-filter>
    <cfm-filter-name>
      cfm-filter-name
    </cfm-filter-name>
    <cfm-filter-state>
      cfm-filter-state
    </cfm-filter-state>
    <cfm-filter-term-count>
      cfm-filter-term-count
    </cfm-filter-term-count>
    <cfm-filter-term-attachment>
      cfm-filter-term-attachment
    </cfm-filter-term-attachment>
  </cfm-filter>
</cfm-firewall-filter-instance-information>

```

#### Description

#### <cfm-filter>

#### Usage

```

<cfm-firewall-filter-interface-information>
  <cfm-filter>
    <cfm-filter-name>

```

```
    cfm-filter-name
  </cfm-filter-name>
  <cfm-filter-state>
    cfm-filter-state
  </cfm-filter-state>
  <cfm-filter-term-count>
    cfm-filter-term-count
  </cfm-filter-term-count>
  <cfm-filter-term-attachment>
    cfm-filter-term-attachment
  </cfm-filter-term-attachment>
</cfm-filter>
</cfm-firewall-filter-interface-information>
```

#### Description

### <cfm-filter-term>

#### Usage

```
<cfm-filter-term>
  <cfm-filter-term-name>
    cfm-filter-term-name
  </cfm-filter-term-name>
  <cfm-filter-term-id>
    cfm-filter-term-id
  </cfm-filter-term-id>
  <cfm-filter-term-state>
    cfm-filter-term-state
  </cfm-filter-term-state>
  <cfm-filter-term-key>
    cfm-filter-term-key
  </cfm-filter-term-key>
  <cfm-filter-term-action>
    cfm-filter-term-action
  </cfm-filter-term-action>
  <cfm-filter-term-action-details>
    cfm-filter-term-action-details
  </cfm-filter-term-action-details>
  <cfm-flood-nexthop-components>.....</cfm-flood-nexthop-components>
</cfm-filter-term>
```

#### Description

### <cfm-filter-term>

#### Usage

```
<cfm-firewall-filter-instance-information>
  <cfm-filter-term>
    <cfm-filter-term-name>
      cfm-filter-term-name
    </cfm-filter-term-name>
    <cfm-filter-term-id>
      cfm-filter-term-id
    </cfm-filter-term-id>
```

```

    <cfm-filter-term-state>
      cfm-filter-term-state
    </cfm-filter-term-state>
    <cfm-filter-term-key>
      cfm-filter-term-key
    </cfm-filter-term-key>
    <cfm-filter-term-action>
      cfm-filter-term-action
    </cfm-filter-term-action>
    <cfm-filter-term-action-details>
      cfm-filter-term-action-details
    </cfm-filter-term-action-details>
    <cfm-flood-nexthop-components>....</cfm-flood-nexthop-components>
  </cfm-filter-term>
</cfm-firewall-filter-instance-information>

```

#### Description

#### <cfm-filter-term>

#### Usage

```

<cfm-firewall-filter-interface-information>
  <cfm-filter-term>
    <cfm-filter-term-name>
      cfm-filter-term-name
    </cfm-filter-term-name>
    <cfm-filter-term-id>
      cfm-filter-term-id
    </cfm-filter-term-id>
    <cfm-filter-term-state>
      cfm-filter-term-state
    </cfm-filter-term-state>
    <cfm-filter-term-key>
      cfm-filter-term-key
    </cfm-filter-term-key>
    <cfm-filter-term-action>
      cfm-filter-term-action
    </cfm-filter-term-action>
    <cfm-filter-term-action-details>
      cfm-filter-term-action-details
    </cfm-filter-term-action-details>
    <cfm-flood-nexthop-components>....</cfm-flood-nexthop-components>
  </cfm-filter-term>
</cfm-firewall-filter-interface-information>

```

#### Description

#### <cfm-firewall-filter-instance-information>

#### Usage

```

<cfm-firewall-filter-instance-information>
  <cfm-instance-name>
    cfm-instance-name
  </cfm-instance-name>

```

```
<cfm-filter>....</cfm-filter>
<cfm-filter-term>....</cfm-filter-term>
</cfm-firewall-filter-instance-information>
```

#### Description

### <cfm-firewall-filter-interface-information>

#### Usage

```
<cfm-firewall-filter-interface-information>
  <cfm-interface-name>
    cfm-interface-name
  </cfm-interface-name>
  <cfm-instance-name>
    cfm-instance-name
  </cfm-instance-name>
  <cfm-filter>....</cfm-filter>
  <cfm-filter-term>....</cfm-filter-term>
</cfm-firewall-filter-interface-information>
```

#### Description

### <cfm-flood-instance-information>

#### Usage

```
<cfm-flood-instance-information>
  <cfm-instance-name>
    cfm-instance-name
  </cfm-instance-name>
  <cfm-num-active-customer-endpoint-iffs>
    cfm-num-active-customer-endpoint-iffs
  </cfm-num-active-customer-endpoint-iffs>
  <cfm-num-active-vpn-endpoint-iffs>
    cfm-num-active-vpn-endpoint-iffs
  </cfm-num-active-vpn-endpoint-iffs>

  <cfm-flood-maintenance-domain-level>....</cfm-flood-maintenance-domain-level>
</cfm-flood-instance-information>
```

#### Description

### <cfm-flood-interface-information>

#### Usage

```
<cfm-flood-interface-information>
  <cfm-interface-name>
    cfm-interface-name
  </cfm-interface-name>
  <cfm-instance-name>
    cfm-instance-name
  </cfm-instance-name>

  <cfm-flood-maintenance-domain-level>....</cfm-flood-maintenance-domain-level>
```

</cfm-flood-interface-information>

#### Description

### <cfm-flood-maintenance-domain-level>

#### Usage

```
<cfm-flood-maintenance-domain-level>
  <cfm-level>
    cfm-level
  </cfm-level>
  <cfm-local-mep-direction>
    cfm-local-mep-direction
  </cfm-local-mep-direction>
  <cfm-filter-action>
    cfm-filter-action
  </cfm-filter-action>
  <cfm-nexthop-type>
    cfm-nexthop-type
  </cfm-nexthop-type>
  <cfm-nexthop-index>
    cfm-nexthop-index
  </cfm-nexthop-index>
  <cfm-flood-nexthop-components>....</cfm-flood-nexthop-components>
</cfm-flood-maintenance-domain-level>
```

#### Description

### <cfm-flood-maintenance-domain-level>

#### Usage

```
<cfm-flood-instance-information>
  <cfm-flood-maintenance-domain-level>
    <cfm-level>
      cfm-level
    </cfm-level>
    <cfm-local-mep-direction>
      cfm-local-mep-direction
    </cfm-local-mep-direction>
    <cfm-filter-action>
      cfm-filter-action
    </cfm-filter-action>
    <cfm-nexthop-type>
      cfm-nexthop-type
    </cfm-nexthop-type>
    <cfm-nexthop-index>
      cfm-nexthop-index
    </cfm-nexthop-index>
    <cfm-flood-nexthop-components>....</cfm-flood-nexthop-components>
  </cfm-flood-maintenance-domain-level>
</cfm-flood-instance-information>
```

#### Description

## <cfm-flood-maintenance-domain-level>

### Usage

```
<cfm-flood-interface-information>
  <cfm-flood-maintenance-domain-level>
    <cfm-level>
      cfm-level
    </cfm-level>
    <cfm-local-mep-direction>
      cfm-local-mep-direction
    </cfm-local-mep-direction>
    <cfm-filter-action>
      cfm-filter-action
    </cfm-filter-action>
    <cfm-nexthop-type>
      cfm-nexthop-type
    </cfm-nexthop-type>
    <cfm-nexthop-index>
      cfm-nexthop-index
    </cfm-nexthop-index>
    <cfm-flood-nexthop-components>....</cfm-flood-nexthop-components>
  </cfm-flood-maintenance-domain-level>
</cfm-flood-interface-information>
```

### Description

## <cfm-flood-nexthop-components>

### Usage

```
<cfm-flood-nexthop-components>
  <cfm-interface-name>
    cfm-interface-name
  </cfm-interface-name>
  <cfm-interface-type>
    cfm-interface-type
  </cfm-interface-type>
  <cfm-interface-nexthop-type>
    cfm-interface-nexthop-type
  </cfm-interface-nexthop-type>
  <cfm-interface-nexthop-index>
    cfm-interface-nexthop-index
  </cfm-interface-nexthop-index>
</cfm-flood-nexthop-components>
```

### Description

## <cfm-flood-nexthop-components>

### Usage

```
<cfm-flood-maintenance-domain-level>
  <cfm-flood-nexthop-components>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
  </cfm-flood-nexthop-components>
```



```

</cfm-interface-name>
<cfm-interface-type>
  cfm-interface-type
</cfm-interface-type>
<cfm-interface-nexthop-type>
  cfm-interface-nexthop-type
</cfm-interface-nexthop-type>
<cfm-interface-nexthop-index>
  cfm-interface-nexthop-index
</cfm-interface-nexthop-index>
</cfm-flood-nexthop-components>
</cfm-flood-maintenance-domain-level>

```

#### Description

### <cfm-flood-nexthop-components>

#### Usage

```

<cfm-flood-instance-information>
<cfm-flood-maintenance-domain-level>
  <cfm-flood-nexthop-components>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-type>
      cfm-interface-type
    </cfm-interface-type>
    <cfm-interface-nexthop-type>
      cfm-interface-nexthop-type
    </cfm-interface-nexthop-type>
    <cfm-interface-nexthop-index>
      cfm-interface-nexthop-index
    </cfm-interface-nexthop-index>
  </cfm-flood-nexthop-components>
</cfm-flood-maintenance-domain-level>
</cfm-flood-instance-information>

```

#### Description

### <cfm-flood-nexthop-components>

#### Usage

```

<cfm-flood-interface-information>
<cfm-flood-maintenance-domain-level>
  <cfm-flood-nexthop-components>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-type>
      cfm-interface-type
    </cfm-interface-type>
    <cfm-interface-nexthop-type>
      cfm-interface-nexthop-type
    </cfm-interface-nexthop-type>
  </cfm-flood-nexthop-components>
</cfm-flood-maintenance-domain-level>
</cfm-flood-interface-information>

```

```
<cfm-interface-nexthop-index>  
  cfm-interface-nexthop-index  
</cfm-interface-nexthop-index>  
</cfm-flood-nexthop-components>  
</cfm-flood-maintenance-domain-level>  
</cfm-flood-interface-information>
```

#### Description

### <cfm-flood-nexthop-components>

#### Usage

```
<cfm-route-maintenance-domain-level>  
  <cfm-flood-nexthop-components>  
    <cfm-interface-name>  
      cfm-interface-name  
    </cfm-interface-name>  
    <cfm-interface-type>  
      cfm-interface-type  
    </cfm-interface-type>  
    <cfm-interface-nexthop-type>  
      cfm-interface-nexthop-type  
    </cfm-interface-nexthop-type>  
    <cfm-interface-nexthop-index>  
      cfm-interface-nexthop-index  
    </cfm-interface-nexthop-index>  
  </cfm-flood-nexthop-components>  
</cfm-route-maintenance-domain-level>
```

#### Description

### <cfm-flood-nexthop-components>

#### Usage

```
<cfm-transmit-interface-information>  
  <cfm-route-maintenance-domain-level>  
    <cfm-flood-nexthop-components>  
      <cfm-interface-name>  
        cfm-interface-name  
      </cfm-interface-name>  
      <cfm-interface-type>  
        cfm-interface-type  
      </cfm-interface-type>  
      <cfm-interface-nexthop-type>  
        cfm-interface-nexthop-type  
      </cfm-interface-nexthop-type>  
      <cfm-interface-nexthop-index>  
        cfm-interface-nexthop-index  
      </cfm-interface-nexthop-index>  
    </cfm-flood-nexthop-components>  
  </cfm-route-maintenance-domain-level>  
</cfm-transmit-interface-information>
```

## Description

## &lt;cfm-flood-nexthop-components&gt;

## Usage

```

<cfm-filter-term>
  <cfm-flood-nexthop-components>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-type>
      cfm-interface-type
    </cfm-interface-type>
    <cfm-interface-nexthop-type>
      cfm-interface-nexthop-type
    </cfm-interface-nexthop-type>
    <cfm-interface-nexthop-index>
      cfm-interface-nexthop-index
    </cfm-interface-nexthop-index>
  </cfm-flood-nexthop-components>
</cfm-filter-term>

```

## Description

## &lt;cfm-flood-nexthop-components&gt;

## Usage

```

<cfm-firewall-filter-instance-information>
  <cfm-filter-term>
    <cfm-flood-nexthop-components>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-type>
        cfm-interface-type
      </cfm-interface-type>
      <cfm-interface-nexthop-type>
        cfm-interface-nexthop-type
      </cfm-interface-nexthop-type>
      <cfm-interface-nexthop-index>
        cfm-interface-nexthop-index
      </cfm-interface-nexthop-index>
    </cfm-flood-nexthop-components>
  </cfm-filter-term>
</cfm-firewall-filter-instance-information>

```

## Description

## &lt;cfm-flood-nexthop-components&gt;

## Usage

```

<cfm-firewall-filter-interface-information>
  <cfm-filter-term>
    <cfm-flood-nexthop-components>

```

```
<cfm-interface-name>
  cfm-interface-name
</cfm-interface-name>
<cfm-interface-type>
  cfm-interface-type
</cfm-interface-type>
<cfm-interface-nexthop-type>
  cfm-interface-nexthop-type
</cfm-interface-nexthop-type>
<cfm-interface-nexthop-index>
  cfm-interface-nexthop-index
</cfm-interface-nexthop-index>
</cfm-flood-nexthop-components>
</cfm-filter-term>
</cfm-firewall-filter-interface-information>
```

#### Description

### <cfm-flood-nexthop-components>

#### Usage

```
<cfm-nexthop-information>
  <cfm-flood-nexthop-components>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-type>
      cfm-interface-type
    </cfm-interface-type>
    <cfm-interface-nexthop-type>
      cfm-interface-nexthop-type
    </cfm-interface-nexthop-type>
    <cfm-interface-nexthop-index>
      cfm-interface-nexthop-index
    </cfm-interface-nexthop-index>
  </cfm-flood-nexthop-components>
</cfm-nexthop-information>
```

#### Description

### <cfm-flood-nexthop-components>

#### Usage

```
<cfm-route-information>
  <cfm-flood-nexthop-components>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-type>
      cfm-interface-type
    </cfm-interface-type>
    <cfm-interface-nexthop-type>
      cfm-interface-nexthop-type
    </cfm-interface-nexthop-type>
```

```

    <cfm-interface-nexthop-index>
      cfm-interface-nexthop-index
    </cfm-interface-nexthop-index>
  </cfm-flood-nexthop-components>
</cfm-route-information>

```

#### Description

### <cfm-instance-mip-information>

#### Usage

```

<cfm-instance-mip-information>
  <cfm-instance-name>
    cfm-instance-name
  </cfm-instance-name>
  <cfm-maintenance-domain-mhf>
    cfm-maintenance-domain-mhf
  </cfm-maintenance-domain-mhf>
  <cfm-maintenance-association-mhf>
    cfm-maintenance-association-mhf
  </cfm-maintenance-association-mhf>
  <cfm-default-maintenance-domain-mhf>
    cfm-default-maintenance-domain-mhf
  </cfm-default-maintenance-domain-mhf>
  <cfm-interface-mip-information>....</cfm-interface-mip-information>
</cfm-instance-mip-information>

```

#### Description

### <cfm-instance-mip-information>

#### Usage

```

<cfm-mip-information>
  <cfm-instance-mip-information>
    <cfm-instance-name>
      cfm-instance-name
    </cfm-instance-name>
    <cfm-maintenance-domain-mhf>
      cfm-maintenance-domain-mhf
    </cfm-maintenance-domain-mhf>
    <cfm-maintenance-association-mhf>
      cfm-maintenance-association-mhf
    </cfm-maintenance-association-mhf>
    <cfm-default-maintenance-domain-mhf>
      cfm-default-maintenance-domain-mhf
    </cfm-default-maintenance-domain-mhf>
    <cfm-interface-mip-information>....</cfm-interface-mip-information>
  </cfm-instance-mip-information>
</cfm-mip-information>

```

#### Description

## <cfm-interface>

### Usage

```
<cfm-interface>
  <cfm-interface-snapshot>....</cfm-interface-snapshot>
  <cfm-entry>....</cfm-entry>
</cfm-interface>
```

**Description** Information about connectivity fault management for one or more interfaces

## <cfm-interface-continuity-check>

### Usage

```
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-continuity-check>
        <cfm-continuity-check-status>
          cfm-continuity-check-status
        </cfm-continuity-check-status>
        <cfm-continuity-check-interval>
          cfm-continuity-check-interval
        </cfm-continuity-check-interval>
        <cfm-continuity-check-loss-threshold>
          cfm-continuity-check-loss-threshold
        </cfm-continuity-check-loss-threshold>
      </cfm-interface-continuity-check>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
```

### Description

## <cfm-interface-continuity-check>

### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-continuity-check>
          <cfm-continuity-check-status>
            cfm-continuity-check-status
          </cfm-continuity-check-status>
          <cfm-continuity-check-interval>
            cfm-continuity-check-interval
          </cfm-continuity-check-interval>
          <cfm-continuity-check-loss-threshold>
            cfm-continuity-check-loss-threshold
          </cfm-continuity-check-loss-threshold>
        </cfm-interface-continuity-check>
      </cfm-interface-session>
    </cfm-interface-sessions>
```

```

    </cfm-entry>
  </cfm-interface>

```

### Description

#### <cfm-interface-continuity-check>

##### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-continuity-check>
          <cfm-continuity-check-status>
            cfm-continuity-check-status
          </cfm-continuity-check-status>
          <cfm-continuity-check-interval>
            cfm-continuity-check-interval
          </cfm-continuity-check-interval>
          <cfm-continuity-check-loss-threshold>
            cfm-continuity-check-loss-threshold
          </cfm-continuity-check-loss-threshold>
        </cfm-interface-continuity-check>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-database>

```

### Description

#### <cfm-interface-continuity-check>

##### Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-continuity-check>
          <cfm-continuity-check-status>
            cfm-continuity-check-status
          </cfm-continuity-check-status>
          <cfm-continuity-check-interval>
            cfm-continuity-check-interval
          </cfm-continuity-check-interval>
          <cfm-continuity-check-loss-threshold>
            cfm-continuity-check-loss-threshold
          </cfm-continuity-check-loss-threshold>
        </cfm-interface-continuity-check>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-statistics>

```

**Description****<cfm-interface-continuity-check>****Usage**

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-continuity-check>
          <cfm-continuity-check-status>
            cfm-continuity-check-status
          </cfm-continuity-check-status>
          <cfm-continuity-check-interval>
            cfm-continuity-check-interval
          </cfm-continuity-check-interval>
          <cfm-continuity-check-loss-threshold>
            cfm-continuity-check-loss-threshold
          </cfm-continuity-check-loss-threshold>
        </cfm-interface-continuity-check>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-delay-statistics>
```

**Description****<cfm-interface-entry>****Usage**

```
<cfm-entry>
  <cfm-interface-entry>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-status>
      cfm-interface-status
    </cfm-interface-status>
    <cfm-interface-link-status>
      cfm-interface-link-status
    </cfm-interface-link-status>
  </cfm-interface-entry>
</cfm-entry>
```

**Description****<cfm-interface-entry>****Usage**

```
<cfm-interface>
  <cfm-entry>
    <cfm-interface-entry>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
    </cfm-interface-entry>
  </cfm-entry>
```



```

</cfm-interface-name>
<cfm-interface-status>
  cfm-interface-status
</cfm-interface-status>
<cfm-interface-link-status>
  cfm-interface-link-status
</cfm-interface-link-status>
</cfm-interface-entry>
</cfm-entry>
</cfm-interface>

```

#### Description

### <cfm-interface-entry>

#### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-entry>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-status>
        cfm-interface-status
      </cfm-interface-status>
      <cfm-interface-link-status>
        cfm-interface-link-status
      </cfm-interface-link-status>
    </cfm-interface-entry>
  </cfm-entry>
</cfm-mep-database>

```

#### Description

### <cfm-interface-entry>

#### Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-interface-entry>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-status>
        cfm-interface-status
      </cfm-interface-status>
      <cfm-interface-link-status>
        cfm-interface-link-status
      </cfm-interface-link-status>
    </cfm-interface-entry>
  </cfm-entry>
</cfm-mep-statistics>

```

**Description****<cfm-interface-entry>****Usage**

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-interface-entry>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-status>
        cfm-interface-status
      </cfm-interface-status>
      <cfm-interface-link-status>
        cfm-interface-link-status
      </cfm-interface-link-status>
    </cfm-interface-entry>
  </cfm-entry>
</cfm-delay-statistics>
```

**Description****<cfm-interface-local-mep-defects>****Usage**

```
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-local-mep-defects>
        <cfm-defect-remote-mep-no-ccm>
          cfm-defect-remote-mep-no-ccm
        </cfm-defect-remote-mep-no-ccm>
        <cfm-defect-error-ccm>
          cfm-defect-error-ccm
        </cfm-defect-error-ccm>
        <cfm-defect-cross-connect-ccm>
          cfm-defect-cross-connect-ccm
        </cfm-defect-cross-connect-ccm>
        <cfm-defect-rdi-in-some-mep>
          cfm-defect-rdi-in-some-mep
        </cfm-defect-rdi-in-some-mep>
        <cfm-defect-mac-status>
          cfm-defect-mac-status
        </cfm-defect-mac-status>
      </cfm-interface-local-mep-defects>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
```

**Description**

## <cfm-interface-local-mep-defects>

### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-defects>
          <cfm-defect-remote-mep-no-ccm>
            cfm-defect-remote-mep-no-ccm
          </cfm-defect-remote-mep-no-ccm>
          <cfm-defect-error-ccm>
            cfm-defect-error-ccm
          </cfm-defect-error-ccm>
          <cfm-defect-cross-connect-ccm>
            cfm-defect-cross-connect-ccm
          </cfm-defect-cross-connect-ccm>
          <cfm-defect-rdi-in-some-mep>
            cfm-defect-rdi-in-some-mep
          </cfm-defect-rdi-in-some-mep>
          <cfm-defect-mac-status>
            cfm-defect-mac-status
          </cfm-defect-mac-status>
        </cfm-interface-local-mep-defects>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-interface>

```

### Description

## <cfm-interface-local-mep-defects>

### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-defects>
          <cfm-defect-remote-mep-no-ccm>
            cfm-defect-remote-mep-no-ccm
          </cfm-defect-remote-mep-no-ccm>
          <cfm-defect-error-ccm>
            cfm-defect-error-ccm
          </cfm-defect-error-ccm>
          <cfm-defect-cross-connect-ccm>
            cfm-defect-cross-connect-ccm
          </cfm-defect-cross-connect-ccm>
          <cfm-defect-rdi-in-some-mep>
            cfm-defect-rdi-in-some-mep
          </cfm-defect-rdi-in-some-mep>
          <cfm-defect-mac-status>
            cfm-defect-mac-status
          </cfm-defect-mac-status>
        </cfm-interface-local-mep-defects>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-database>

```

```
</cfm-interface-local-mep-defects>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-database>
```

#### Description

### <cfm-interface-local-mep-defects>

#### Usage

```
<cfm-mep-statistics>
<cfm-entry>
<cfm-interface-sessions>
<cfm-interface-session>
<cfm-interface-local-mep-defects>
<cfm-defect-remote-mep-no-ccm>
  cfm-defect-remote-mep-no-ccm
</cfm-defect-remote-mep-no-ccm>
<cfm-defect-error-ccm>
  cfm-defect-error-ccm
</cfm-defect-error-ccm>
<cfm-defect-cross-connect-ccm>
  cfm-defect-cross-connect-ccm
</cfm-defect-cross-connect-ccm>
<cfm-defect-rdi-in-some-mep>
  cfm-defect-rdi-in-some-mep
</cfm-defect-rdi-in-some-mep>
<cfm-defect-mac-status>
  cfm-defect-mac-status
</cfm-defect-mac-status>
</cfm-interface-local-mep-defects>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-statistics>
```

#### Description

### <cfm-interface-local-mep-defects>

#### Usage

```
<cfm-delay-statistics>
<cfm-entry>
<cfm-interface-sessions>
<cfm-interface-session>
<cfm-interface-local-mep-defects>
<cfm-defect-remote-mep-no-ccm>
  cfm-defect-remote-mep-no-ccm
</cfm-defect-remote-mep-no-ccm>
<cfm-defect-error-ccm>
  cfm-defect-error-ccm
</cfm-defect-error-ccm>
<cfm-defect-cross-connect-ccm>
```

```

        cfm-defect-cross-connect-ccm
      </cfm-defect-cross-connect-ccm>
    <cfm-defect-rdi-in-some-mep>
      cfm-defect-rdi-in-some-mep
    </cfm-defect-rdi-in-some-mep>
    <cfm-defect-mac-status>
      cfm-defect-mac-status
    </cfm-defect-mac-status>
  </cfm-interface-local-mep-defects>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-delay-statistics>

```

### Description

#### <cfm-interface-local-mep-info>

##### Usage

```

<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-local-mep-info>
        <cfm-local-mep-identifier>
          cfm-local-mep-identifier
        </cfm-local-mep-identifier>
        <cfm-local-mep-direction>
          cfm-local-mep-direction
        </cfm-local-mep-direction>
        <cfm-local-mep-mac-address>
          cfm-local-mep-mac-address
        </cfm-local-mep-mac-address>
        <cfm-local-mep-status>
          cfm-local-mep-status
        </cfm-local-mep-status>
      </cfm-interface-local-mep-info>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>

```

### Description

#### <cfm-interface-local-mep-info>

##### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-info>
          <cfm-local-mep-identifier>
            cfm-local-mep-identifier
          </cfm-local-mep-identifier>
          <cfm-local-mep-direction>

```

```
    cfm-local-mep-direction
  </cfm-local-mep-direction>
  <cfm-local-mep-mac-address>
    cfm-local-mep-mac-address
  </cfm-local-mep-mac-address>
  <cfm-local-mep-status>
    cfm-local-mep-status
  </cfm-local-mep-status>
</cfm-interface-local-mep-info>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-interface>
```

#### Description

### <cfm-interface-local-mep-info>

#### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-info>
          <cfm-local-mep-identifier>
            cfm-local-mep-identifier
          </cfm-local-mep-identifier>
          <cfm-local-mep-direction>
            cfm-local-mep-direction
          </cfm-local-mep-direction>
          <cfm-local-mep-mac-address>
            cfm-local-mep-mac-address
          </cfm-local-mep-mac-address>
          <cfm-local-mep-status>
            cfm-local-mep-status
          </cfm-local-mep-status>
        </cfm-interface-local-mep-info>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-database>
```

#### Description

### <cfm-interface-local-mep-info>

#### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-info>
          <cfm-local-mep-identifier>
            cfm-local-mep-identifier
```

```

    </cfm-local-mep-identifier>
    <cfm-local-mep-direction>
      cfm-local-mep-direction
    </cfm-local-mep-direction>
    <cfm-local-mep-mac-address>
      cfm-local-mep-mac-address
    </cfm-local-mep-mac-address>
    <cfm-local-mep-status>
      cfm-local-mep-status
    </cfm-local-mep-status>
  </cfm-interface-local-mep-info>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-statistics>

```

#### Description

### <cfm-interface-local-mep-info>

#### Usage

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-info>
          <cfm-local-mep-identifier>
            cfm-local-mep-identifier
          </cfm-local-mep-identifier>
          <cfm-local-mep-direction>
            cfm-local-mep-direction
          </cfm-local-mep-direction>
          <cfm-local-mep-mac-address>
            cfm-local-mep-mac-address
          </cfm-local-mep-mac-address>
          <cfm-local-mep-status>
            cfm-local-mep-status
          </cfm-local-mep-status>
        </cfm-interface-local-mep-info>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-delay-statistics>

```

#### Description

### <cfm-interface-local-mep-statistics>

#### Usage

```

<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-local-mep-statistics>
        <cfm-total-ccm-sent>

```

```
    cfm-total-ccm-sent
  </cfm-total-ccm-sent>
  <cfm-out-of-sequence-ccm-received>
    cfm-out-of-sequence-ccm-received
  </cfm-out-of-sequence-ccm-received>
  <cfm-lbm-sent>
    cfm-lbm-sent
  </cfm-lbm-sent>
  <cfm-lbr-sent>
    cfm-lbr-sent
  </cfm-lbr-sent>
  <cfm-lbr-received>
    cfm-lbr-received
  </cfm-lbr-received>
  <cfm-lbr-received-out-of-order>
    cfm-lbr-received-out-of-order
  </cfm-lbr-received-out-of-order>
  <cfm-lbr-bad-msdu>
    cfm-lbr-bad-msdu
  </cfm-lbr-bad-msdu>
  <cfm-total-ltm-sent>
    cfm-total-ltm-sent
  </cfm-total-ltm-sent>
  <cfm-total-ltm-received>
    cfm-total-ltm-received
  </cfm-total-ltm-received>
  <cfm-total-ltr-sent>
    cfm-total-ltr-sent
  </cfm-total-ltr-sent>
  <cfm-total-ltr-received>
    cfm-total-ltr-received
  </cfm-total-ltr-received>
  <cfm-next-ltm-sequence-number>
    cfm-next-ltm-sequence-number
  </cfm-next-ltm-sequence-number>
  <cfm-onedm-sent>
    cfm-onedm-sent
  </cfm-onedm-sent>
  <cfm-onedm-received>
    cfm-onedm-received
  </cfm-onedm-received>
  <cfm-onedm-received-invalid>
    cfm-onedm-received-invalid
  </cfm-onedm-received-invalid>
  <cfm-onedm-received-outofsync>
    cfm-onedm-received-outofsync
  </cfm-onedm-received-outofsync>
  <cfm-dmm-sent>
    cfm-dmm-sent
  </cfm-dmm-sent>
  <cfm-dmm-received>
    cfm-dmm-received
  </cfm-dmm-received>
  <cfm-dmm-received-invalid>
    cfm-dmm-received-invalid
  </cfm-dmm-received-invalid>
```



```

<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
</cfm-interface-local-mep-statistics>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>

```

### Description

#### <cfm-interface-local-mep-statistics>

#### Usage

```

<cfm-interface>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-local-mep-statistics>
        <cfm-total-ccm-sent>
          cfm-total-ccm-sent
        </cfm-total-ccm-sent>
        <cfm-out-of-sequence-ccm-received>
          cfm-out-of-sequence-ccm-received
        </cfm-out-of-sequence-ccm-received>
        <cfm-lbm-sent>
          cfm-lbm-sent
        </cfm-lbm-sent>
        <cfm-lbr-sent>
          cfm-lbr-sent
        </cfm-lbr-sent>
        <cfm-lbr-received>
          cfm-lbr-received
        </cfm-lbr-received>
        <cfm-lbr-received-out-of-order>
          cfm-lbr-received-out-of-order
        </cfm-lbr-received-out-of-order>
        <cfm-lbr-bad-msdu>
          cfm-lbr-bad-msdu
        </cfm-lbr-bad-msdu>
        <cfm-total-ltm-sent>
          cfm-total-ltm-sent
        </cfm-total-ltm-sent>
        <cfm-total-ltm-received>
          cfm-total-ltm-received
        </cfm-total-ltm-received>
        <cfm-total-ltr-sent>
          cfm-total-ltr-sent
        </cfm-total-ltr-sent>
        <cfm-total-ltr-received>

```

```
    cfm-total-ltr-received
  </cfm-total-ltr-received>
  <cfm-next-ltm-sequence-number>
    cfm-next-ltm-sequence-number
  </cfm-next-ltm-sequence-number>
  <cfm-onedm-sent>
    cfm-onedm-sent
  </cfm-onedm-sent>
  <cfm-onedm-received>
    cfm-onedm-received
  </cfm-onedm-received>
  <cfm-onedm-received-invalid>
    cfm-onedm-received-invalid
  </cfm-onedm-received-invalid>
  <cfm-onedm-received-outofsync>
    cfm-onedm-received-outofsync
  </cfm-onedm-received-outofsync>
  <cfm-dmm-sent>
    cfm-dmm-sent
  </cfm-dmm-sent>
  <cfm-dmm-received>
    cfm-dmm-received
  </cfm-dmm-received>
  <cfm-dmm-received-invalid>
    cfm-dmm-received-invalid
  </cfm-dmm-received-invalid>
  <cfm-dmr-sent>
    cfm-dmr-sent
  </cfm-dmr-sent>
  <cfm-dmr-received>
    cfm-dmr-received
  </cfm-dmr-received>
  <cfm-dmr-received-invalid>
    cfm-dmr-received-invalid
  </cfm-dmr-received-invalid>
  </cfm-interface-local-mep-statistics>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-interface>
```

## Description

### <cfm-interface-local-mep-statistics>

#### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-statistics>
          <cfm-total-ccm-sent>
            cfm-total-ccm-sent
          </cfm-total-ccm-sent>
          <cfm-out-of-sequence-ccm-received>
```

```
    cfm-out-of-sequence-ccm-received
  </cfm-out-of-sequence-ccm-received>
  <cfm-lbm-sent>
    cfm-lbm-sent
  </cfm-lbm-sent>
  <cfm-lbr-sent>
    cfm-lbr-sent
  </cfm-lbr-sent>
  <cfm-lbr-received>
    cfm-lbr-received
  </cfm-lbr-received>
  <cfm-lbr-received-out-of-order>
    cfm-lbr-received-out-of-order
  </cfm-lbr-received-out-of-order>
  <cfm-lbr-bad-msdu>
    cfm-lbr-bad-msdu
  </cfm-lbr-bad-msdu>
  <cfm-total-ltm-sent>
    cfm-total-ltm-sent
  </cfm-total-ltm-sent>
  <cfm-total-ltm-received>
    cfm-total-ltm-received
  </cfm-total-ltm-received>
  <cfm-total-ltr-sent>
    cfm-total-ltr-sent
  </cfm-total-ltr-sent>
  <cfm-total-ltr-received>
    cfm-total-ltr-received
  </cfm-total-ltr-received>
  <cfm-next-ltm-sequence-number>
    cfm-next-ltm-sequence-number
  </cfm-next-ltm-sequence-number>
  <cfm-onedm-sent>
    cfm-onedm-sent
  </cfm-onedm-sent>
  <cfm-onedm-received>
    cfm-onedm-received
  </cfm-onedm-received>
  <cfm-onedm-received-invalid>
    cfm-onedm-received-invalid
  </cfm-onedm-received-invalid>
  <cfm-onedm-received-outofsync>
    cfm-onedm-received-outofsync
  </cfm-onedm-received-outofsync>
  <cfm-dmm-sent>
    cfm-dmm-sent
  </cfm-dmm-sent>
  <cfm-dmm-received>
    cfm-dmm-received
  </cfm-dmm-received>
  <cfm-dmm-received-invalid>
    cfm-dmm-received-invalid
  </cfm-dmm-received-invalid>
  <cfm-dmr-sent>
    cfm-dmr-sent
  </cfm-dmr-sent>
```

```
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
</cfm-interface-local-mep-statistics>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-database>
```

## Description

### <cfm-interface-local-mep-statistics>

#### Usage

```
<cfm-mep-statistics>
<cfm-entry>
<cfm-interface-sessions>
<cfm-interface-session>
  <cfm-interface-local-mep-statistics>
    <cfm-total-ccm-sent>
      cfm-total-ccm-sent
    </cfm-total-ccm-sent>
    <cfm-out-of-sequence-ccm-received>
      cfm-out-of-sequence-ccm-received
    </cfm-out-of-sequence-ccm-received>
    <cfm-lbm-sent>
      cfm-lbm-sent
    </cfm-lbm-sent>
    <cfm-lbr-sent>
      cfm-lbr-sent
    </cfm-lbr-sent>
    <cfm-lbr-received>
      cfm-lbr-received
    </cfm-lbr-received>
    <cfm-lbr-received-out-of-order>
      cfm-lbr-received-out-of-order
    </cfm-lbr-received-out-of-order>
    <cfm-lbr-bad-msdu>
      cfm-lbr-bad-msdu
    </cfm-lbr-bad-msdu>
    <cfm-total-ltm-sent>
      cfm-total-ltm-sent
    </cfm-total-ltm-sent>
    <cfm-total-ltm-received>
      cfm-total-ltm-received
    </cfm-total-ltm-received>
    <cfm-total-ltr-sent>
      cfm-total-ltr-sent
    </cfm-total-ltr-sent>
    <cfm-total-ltr-received>
      cfm-total-ltr-received
    </cfm-total-ltr-received>
```

```

<cfm-next-ltm-sequence-number>
  cfm-next-ltm-sequence-number
</cfm-next-ltm-sequence-number>
<cfm-onedm-sent>
  cfm-onedm-sent
</cfm-onedm-sent>
<cfm-onedm-received>
  cfm-onedm-received
</cfm-onedm-received>
<cfm-onedm-received-invalid>
  cfm-onedm-received-invalid
</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
</cfm-interface-local-mep-statistics>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-statistics>

```

## Description

### <cfm-interface-local-mep-statistics>

#### Usage

```

<cfm-delay-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-local-mep-statistics>
        <cfm-total-ccm-sent>
          cfm-total-ccm-sent
        </cfm-total-ccm-sent>
        <cfm-out-of-sequence-ccm-received>
          cfm-out-of-sequence-ccm-received
        </cfm-out-of-sequence-ccm-received>
      
```

```
<cfm-lbm-sent>
  cfm-lbm-sent
</cfm-lbm-sent>
<cfm-lbr-sent>
  cfm-lbr-sent
</cfm-lbr-sent>
<cfm-lbr-received>
  cfm-lbr-received
</cfm-lbr-received>
<cfm-lbr-received-out-of-order>
  cfm-lbr-received-out-of-order
</cfm-lbr-received-out-of-order>
<cfm-lbr-bad-msdu>
  cfm-lbr-bad-msdu
</cfm-lbr-bad-msdu>
<cfm-total-ltm-sent>
  cfm-total-ltm-sent
</cfm-total-ltm-sent>
<cfm-total-ltm-received>
  cfm-total-ltm-received
</cfm-total-ltm-received>
<cfm-total-ltr-sent>
  cfm-total-ltr-sent
</cfm-total-ltr-sent>
<cfm-total-ltr-received>
  cfm-total-ltr-received
</cfm-total-ltr-received>
<cfm-next-ltm-sequence-number>
  cfm-next-ltm-sequence-number
</cfm-next-ltm-sequence-number>
<cfm-onedm-sent>
  cfm-onedm-sent
</cfm-onedm-sent>
<cfm-onedm-received>
  cfm-onedm-received
</cfm-onedm-received>
<cfm-onedm-received-invalid>
  cfm-onedm-received-invalid
</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
```

```

    </cfm-dmr-received>
    <cfm-dmr-received-invalid>
      cfm-dmr-received-invalid
    </cfm-dmr-received-invalid>
  </cfm-interface-local-mep-statistics>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-delay-statistics>

```

### Description

#### <cfm-interface-local-mep-tlv-info>

##### Usage

```

<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-local-mep-tlv-info>
        <cfm-local-mep-interface-status-tlv>
          cfm-local-mep-interface-status-tlv
        </cfm-local-mep-interface-status-tlv>
        <cfm-local-mep-port-status-tlv>
          cfm-local-mep-port-status-tlv
        </cfm-local-mep-port-status-tlv>
      </cfm-interface-local-mep-tlv-info>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>

```

### Description

#### <cfm-interface-local-mep-tlv-info>

##### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-tlv-info>
          <cfm-local-mep-interface-status-tlv>
            cfm-local-mep-interface-status-tlv
          </cfm-local-mep-interface-status-tlv>
          <cfm-local-mep-port-status-tlv>
            cfm-local-mep-port-status-tlv
          </cfm-local-mep-port-status-tlv>
        </cfm-interface-local-mep-tlv-info>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-interface>

```

### Description

## <cfm-interface-local-mep-tlv-info>

### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-tlv-info>
          <cfm-local-mep-interface-status-tlv>
            cfm-local-mep-interface-status-tlv
          </cfm-local-mep-interface-status-tlv>
          <cfm-local-mep-port-status-tlv>
            cfm-local-mep-port-status-tlv
          </cfm-local-mep-port-status-tlv>
        </cfm-interface-local-mep-tlv-info>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-database>
```

### Description

## <cfm-interface-local-mep-tlv-info>

### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-tlv-info>
          <cfm-local-mep-interface-status-tlv>
            cfm-local-mep-interface-status-tlv
          </cfm-local-mep-interface-status-tlv>
          <cfm-local-mep-port-status-tlv>
            cfm-local-mep-port-status-tlv
          </cfm-local-mep-port-status-tlv>
        </cfm-interface-local-mep-tlv-info>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-statistics>
```

### Description

## <cfm-interface-local-mep-tlv-info>

### Usage

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-local-mep-tlv-info>
          <cfm-local-mep-interface-status-tlv>
```



```
    cfm-local-mep-interface-status-tlv
  </cfm-local-mep-interface-status-tlv>
  <cfm-local-mep-port-status-tlv>
    cfm-local-mep-port-status-tlv
  </cfm-local-mep-port-status-tlv>
  </cfm-interface-local-mep-tlv-info>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-delay-statistics>
```

#### Description

### <cfm-interface-mip-information>

#### Usage

```
<cfm-interface-mip-information>
  <cfm-interface-name>
    cfm-interface-name
  </cfm-interface-name>
  <cfm-level>
    cfm-level
  </cfm-level>
</cfm-interface-mip-information>
```

#### Description

### <cfm-interface-mip-information>

#### Usage

```
<cfm-instance-mip-information>
  <cfm-interface-mip-information>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-level>
      cfm-level
    </cfm-level>
  </cfm-interface-mip-information>
</cfm-instance-mip-information>
```

#### Description

### <cfm-interface-mip-information>

#### Usage

```
<cfm-mip-information>
  <cfm-instance-mip-information>
    <cfm-interface-mip-information>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-level>
```

```
    cfm-level
  </cfm-level>
</cfm-interface-mip-information>
</cfm-instance-mip-information>
</cfm-mip-information>
```

#### Description

### <cfm-interface-remote-meps>

#### Usage

```
<cfm-entry>
<cfm-interface-sessions>
<cfm-interface-session>
  <cfm-interface-remote-meps>
    <cfm-remote-mep-count>
      cfm-remote-mep-count
    </cfm-remote-mep-count>
    <cfm-remote-mep>....</cfm-remote-mep>
  </cfm-interface-remote-meps>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
```

#### Description

### <cfm-interface-remote-meps>

#### Usage

```
<cfm-interface>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-remote-meps>
        <cfm-remote-mep-count>
          cfm-remote-mep-count
        </cfm-remote-mep-count>
        <cfm-remote-mep>....</cfm-remote-mep>
      </cfm-interface-remote-meps>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
</cfm-interface>
```

#### Description

### <cfm-interface-remote-meps>

#### Usage

```
<cfm-mep-database>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
```

```
<cfm-interface-remote-meps>
  <cfm-remote-mep-count>
    cfm-remote-mep-count
  </cfm-remote-mep-count>
  <cfm-remote-mep>....</cfm-remote-mep>
</cfm-interface-remote-meps>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-database>
```

#### Description

### <cfm-interface-remote-meps>

#### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-remote-meps>
          <cfm-remote-mep-count>
            cfm-remote-mep-count
          </cfm-remote-mep-count>
          <cfm-remote-mep>....</cfm-remote-mep>
        </cfm-interface-remote-meps>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-statistics>
```

#### Description

### <cfm-interface-remote-meps>

#### Usage

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-remote-meps>
          <cfm-remote-mep-count>
            cfm-remote-mep-count
          </cfm-remote-mep-count>
          <cfm-remote-mep>....</cfm-remote-mep>
        </cfm-interface-remote-meps>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-delay-statistics>
```

#### Description

## <cfm-interface-session>

### Usage

```
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-session-identifier>....</cfm-interface-session-identifier>
      <cfm-interface-continuity-check>....</cfm-interface-continuity-check>
      <cfm-interface-local-mep-tlv-info>....</cfm-interface-local-mep-tlv-info>
      <cfm-interface-local-mep-info>....</cfm-interface-local-mep-info>
      <cfm-interface-local-mep-defects>....</cfm-interface-local-mep-defects>
      <cfm-interface-local-mep-statistics>....</cfm-interface-local-mep-statistics>

      <cfm-interface-remote-meps>....</cfm-interface-remote-meps>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
```

### Description

## <cfm-interface-session>

### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-session-identifier>....</cfm-interface-session-identifier>
        <cfm-interface-continuity-check>....</cfm-interface-continuity-check>
        <cfm-interface-local-mep-tlv-info>....</cfm-interface-local-mep-tlv-info>
        <cfm-interface-local-mep-info>....</cfm-interface-local-mep-info>
        <cfm-interface-local-mep-defects>....</cfm-interface-local-mep-defects>
        <cfm-interface-local-mep-statistics>....</cfm-interface-local-mep-statistics>

        <cfm-interface-remote-meps>....</cfm-interface-remote-meps>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-interface>
```

### Description

## <cfm-interface-session>

### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-session-identifier>....</cfm-interface-session-identifier>
        <cfm-interface-continuity-check>....</cfm-interface-continuity-check>
        <cfm-interface-local-mep-tlv-info>....</cfm-interface-local-mep-tlv-info>
        <cfm-interface-local-mep-info>....</cfm-interface-local-mep-info>
```

```

    <cfm-interface-local-mep-defects>....</cfm-interface-local-mep-defects>
    <cfm-interface-local-mep-statistics>....</cfm-interface-local-mep-statistics>

    <cfm-interface-remote-meps>....</cfm-interface-remote-meps>
  </cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-database>

```

## Description

### <cfm-interface-session>

#### Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-session-identifier>....</cfm-interface-session-identifier>
        <cfm-interface-continuity-check>....</cfm-interface-continuity-check>
        <cfm-interface-local-mep-tlv-info>....</cfm-interface-local-mep-tlv-info>
        <cfm-interface-local-mep-info>....</cfm-interface-local-mep-info>
        <cfm-interface-local-mep-defects>....</cfm-interface-local-mep-defects>
        <cfm-interface-local-mep-statistics>....</cfm-interface-local-mep-statistics>

        <cfm-interface-remote-meps>....</cfm-interface-remote-meps>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-statistics>

```

## Description

### <cfm-interface-session>

#### Usage

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-session-identifier>....</cfm-interface-session-identifier>
        <cfm-interface-continuity-check>....</cfm-interface-continuity-check>
        <cfm-interface-local-mep-tlv-info>....</cfm-interface-local-mep-tlv-info>
        <cfm-interface-local-mep-info>....</cfm-interface-local-mep-info>
        <cfm-interface-local-mep-defects>....</cfm-interface-local-mep-defects>
        <cfm-interface-local-mep-statistics>....</cfm-interface-local-mep-statistics>

        <cfm-interface-remote-meps>....</cfm-interface-remote-meps>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-delay-statistics>

```

## Description

### <cfm-interface-session-identifier>

#### Usage

```
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-session-identifier>
        <cfm-level>
          cfm-level
        </cfm-level>
        <cfm-maintenance-domain-name>
          cfm-maintenance-domain-name
        </cfm-maintenance-domain-name>
        <cfm-maintenance-domain-name-format>
          cfm-maintenance-domain-name-format
        </cfm-maintenance-domain-name-format>
        <cfm-maintenance-association-name>
          cfm-maintenance-association-name
        </cfm-maintenance-association-name>
        <cfm-maintenance-association-name-format>
          cfm-maintenance-association-name-format
        </cfm-maintenance-association-name-format>
      </cfm-interface-session-identifier>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
```

## Description

### <cfm-interface-session-identifier>

#### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-session-identifier>
          <cfm-level>
            cfm-level
          </cfm-level>
          <cfm-maintenance-domain-name>
            cfm-maintenance-domain-name
          </cfm-maintenance-domain-name>
          <cfm-maintenance-domain-name-format>
            cfm-maintenance-domain-name-format
          </cfm-maintenance-domain-name-format>
          <cfm-maintenance-association-name>
            cfm-maintenance-association-name
          </cfm-maintenance-association-name>
          <cfm-maintenance-association-name-format>
            cfm-maintenance-association-name-format
          </cfm-maintenance-association-name-format>
        </cfm-interface-session-identifier>
```

```

    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
</cfm-interface>

```

## Description

### <cfm-interface-session-identifier>

#### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-session-identifier>
          <cfm-level>
            cfm-level
          </cfm-level>
          <cfm-maintenance-domain-name>
            cfm-maintenance-domain-name
          </cfm-maintenance-domain-name>
          <cfm-maintenance-domain-name-format>
            cfm-maintenance-domain-name-format
          </cfm-maintenance-domain-name-format>
          <cfm-maintenance-association-name>
            cfm-maintenance-association-name
          </cfm-maintenance-association-name>
          <cfm-maintenance-association-name-format>
            cfm-maintenance-association-name-format
          </cfm-maintenance-association-name-format>
        </cfm-interface-session-identifier>
      </cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-database>

```

## Description

### <cfm-interface-session-identifier>

#### Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-session-identifier>
          <cfm-level>
            cfm-level
          </cfm-level>
          <cfm-maintenance-domain-name>
            cfm-maintenance-domain-name
          </cfm-maintenance-domain-name>
          <cfm-maintenance-domain-name-format>
            cfm-maintenance-domain-name-format

```

```
</cfm-maintenance-domain-name-format>
<cfm-maintenance-association-name>
  cfm-maintenance-association-name
</cfm-maintenance-association-name>
<cfm-maintenance-association-name-format>
  cfm-maintenance-association-name-format
</cfm-maintenance-association-name-format>
</cfm-interface-session-identifier>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-statistics>
```

## Description

### <cfm-interface-session-identifier>

#### Usage

```
<cfm-delay-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-session-identifier>
        <cfm-level>
          cfm-level
        </cfm-level>
        <cfm-maintenance-domain-name>
          cfm-maintenance-domain-name
        </cfm-maintenance-domain-name>
        <cfm-maintenance-domain-name-format>
          cfm-maintenance-domain-name-format
        </cfm-maintenance-domain-name-format>
        <cfm-maintenance-association-name>
          cfm-maintenance-association-name
        </cfm-maintenance-association-name>
        <cfm-maintenance-association-name-format>
          cfm-maintenance-association-name-format
        </cfm-maintenance-association-name-format>
      </cfm-interface-session-identifier>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
</cfm-delay-statistics>
```

## Description

### <cfm-interface-session-snapshot>

#### Usage

```
<cfm-interface-snapshot>
  <cfm-interface-session-snapshot>
    <cfm-level>
      cfm-level
    </cfm-level>
```



```
<cfm-mep-identifier>
  cfm-mep-identifier
</cfm-mep-identifier>
<cfm-remote-mep-count>
  cfm-remote-mep-count
</cfm-remote-mep-count>
</cfm-interface-session-snapshot>
</cfm-interface-snapshot>
```

#### Description

### <cfm-interface-session-snapshot>

#### Usage

```
<cfm-interface>
  <cfm-interface-snapshot>
    <cfm-interface-session-snapshot>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-mep-identifier>
        cfm-mep-identifier
      </cfm-mep-identifier>
      <cfm-remote-mep-count>
        cfm-remote-mep-count
      </cfm-remote-mep-count>
    </cfm-interface-session-snapshot>
  </cfm-interface-snapshot>
</cfm-interface>
```

#### Description

### <cfm-interface-sessions>

#### Usage

```
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>....</cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
```

#### Description

### <cfm-interface-sessions>

#### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>....</cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
```

</cfm-interface>

#### Description

### <cfm-interface-sessions>

#### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>....</cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-database>
```

#### Description

### <cfm-interface-sessions>

#### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>....</cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-mep-statistics>
```

#### Description

### <cfm-interface-sessions>

#### Usage

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>....</cfm-interface-session>
    </cfm-interface-sessions>
  </cfm-entry>
</cfm-delay-statistics>
```

#### Description

### <cfm-interface-snapshot>

#### Usage

```
<cfm-interface-snapshot>
  <cfm-interface-name>
    cfm-interface-name
  </cfm-interface-name>
  <cfm-interface-link-status>
    cfm-interface-link-status
  </cfm-interface-link-status>
</cfm-interface-snapshot>
```

```

</cfm-interface-link-status>
<cfm-interface-status>
  cfm-interface-status
</cfm-interface-status>
<cfm-interface-session-snapshot>....</cfm-interface-session-snapshot>
</cfm-interface-snapshot>

```

#### Description

### <cfm-interface-snapshot>

#### Usage

```

<cfm-interface>
  <cfm-interface-snapshot>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-link-status>
      cfm-interface-link-status
    </cfm-interface-link-status>
    <cfm-interface-status>
      cfm-interface-status
    </cfm-interface-status>
    <cfm-interface-session-snapshot>....</cfm-interface-session-snapshot>
  </cfm-interface-snapshot>
</cfm-interface>

```

#### Description

### <cfm-linktrace-path-database>

#### Usage

```

<cfm-linktrace-path-database>
  <cfm-ltm-request-snapshot>....</cfm-ltm-request-snapshot>
  <cfm-ltr-reply-entry>....</cfm-ltr-reply-entry>
</cfm-linktrace-path-database>

```

#### Description

### <cfm-local-mep>

#### Usage

```

<cfm-entry>
  <cfm-local-mep>
    <cfm-local-mep-identifier>
      cfm-local-mep-identifier
    </cfm-local-mep-identifier>
    <cfm-local-mep-direction>
      cfm-local-mep-direction
    </cfm-local-mep-direction>
    <cfm-local-mep-mac-address>
      cfm-local-mep-mac-address
    </cfm-local-mep-mac-address>
  </cfm-local-mep>
</cfm-entry>

```

```
<cfm-local-mep-auto-discovery>
  cfm-local-mep-auto-discovery
</cfm-local-mep-auto-discovery>
<cfm-local-mep-priority>
  cfm-local-mep-priority
</cfm-local-mep-priority>
<cfm-local-mep-port-status-tlv>
  cfm-local-mep-port-status-tlv
</cfm-local-mep-port-status-tlv>
<cfm-local-mep-interface-status-tlv>
  cfm-local-mep-interface-status-tlv
</cfm-local-mep-interface-status-tlv>
<cfm-local-mep-status>
  cfm-local-mep-status
</cfm-local-mep-status>
</cfm-local-mep>
</cfm-entry>
```

#### Description

### <cfm-local-mep>

#### Usage

```
<cfm-interface>
<cfm-entry>
  <cfm-local-mep>
    <cfm-local-mep-identifier>
      cfm-local-mep-identifier
    </cfm-local-mep-identifier>
    <cfm-local-mep-direction>
      cfm-local-mep-direction
    </cfm-local-mep-direction>
    <cfm-local-mep-mac-address>
      cfm-local-mep-mac-address
    </cfm-local-mep-mac-address>
    <cfm-local-mep-auto-discovery>
      cfm-local-mep-auto-discovery
    </cfm-local-mep-auto-discovery>
    <cfm-local-mep-priority>
      cfm-local-mep-priority
    </cfm-local-mep-priority>
    <cfm-local-mep-port-status-tlv>
      cfm-local-mep-port-status-tlv
    </cfm-local-mep-port-status-tlv>
    <cfm-local-mep-interface-status-tlv>
      cfm-local-mep-interface-status-tlv
    </cfm-local-mep-interface-status-tlv>
    <cfm-local-mep-status>
      cfm-local-mep-status
    </cfm-local-mep-status>
  </cfm-local-mep>
</cfm-entry>
</cfm-interface>
```

## Description

## &lt;cfm-local-mep&gt;

## Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-local-mep>
      <cfm-local-mep-identifier>
        cfm-local-mep-identifier
      </cfm-local-mep-identifier>
      <cfm-local-mep-direction>
        cfm-local-mep-direction
      </cfm-local-mep-direction>
      <cfm-local-mep-mac-address>
        cfm-local-mep-mac-address
      </cfm-local-mep-mac-address>
      <cfm-local-mep-auto-discovery>
        cfm-local-mep-auto-discovery
      </cfm-local-mep-auto-discovery>
      <cfm-local-mep-priority>
        cfm-local-mep-priority
      </cfm-local-mep-priority>
      <cfm-local-mep-port-status-tlv>
        cfm-local-mep-port-status-tlv
      </cfm-local-mep-port-status-tlv>
      <cfm-local-mep-interface-status-tlv>
        cfm-local-mep-interface-status-tlv
      </cfm-local-mep-interface-status-tlv>
      <cfm-local-mep-status>
        cfm-local-mep-status
      </cfm-local-mep-status>
    </cfm-local-mep>
  </cfm-entry>
</cfm-mep-database>

```

## Description

## &lt;cfm-local-mep&gt;

## Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-local-mep>
      <cfm-local-mep-identifier>
        cfm-local-mep-identifier
      </cfm-local-mep-identifier>
      <cfm-local-mep-direction>
        cfm-local-mep-direction
      </cfm-local-mep-direction>
      <cfm-local-mep-mac-address>
        cfm-local-mep-mac-address
      </cfm-local-mep-mac-address>
      <cfm-local-mep-auto-discovery>
        cfm-local-mep-auto-discovery

```

```
</cfm-local-mep-auto-discovery>
<cfm-local-mep-priority>
  cfm-local-mep-priority
</cfm-local-mep-priority>
<cfm-local-mep-port-status-tlv>
  cfm-local-mep-port-status-tlv
</cfm-local-mep-port-status-tlv>
<cfm-local-mep-interface-status-tlv>
  cfm-local-mep-interface-status-tlv
</cfm-local-mep-interface-status-tlv>
<cfm-local-mep-status>
  cfm-local-mep-status
</cfm-local-mep-status>
</cfm-local-mep>
</cfm-entry>
</cfm-mep-statistics>
```

#### Description

### <cfm-local-mep>

#### Usage

```
<cfm-delay-statistics>
<cfm-entry>
  <cfm-local-mep>
    <cfm-local-mep-identifier>
      cfm-local-mep-identifier
    </cfm-local-mep-identifier>
    <cfm-local-mep-direction>
      cfm-local-mep-direction
    </cfm-local-mep-direction>
    <cfm-local-mep-mac-address>
      cfm-local-mep-mac-address
    </cfm-local-mep-mac-address>
    <cfm-local-mep-auto-discovery>
      cfm-local-mep-auto-discovery
    </cfm-local-mep-auto-discovery>
    <cfm-local-mep-priority>
      cfm-local-mep-priority
    </cfm-local-mep-priority>
    <cfm-local-mep-port-status-tlv>
      cfm-local-mep-port-status-tlv
    </cfm-local-mep-port-status-tlv>
    <cfm-local-mep-interface-status-tlv>
      cfm-local-mep-interface-status-tlv
    </cfm-local-mep-interface-status-tlv>
    <cfm-local-mep-status>
      cfm-local-mep-status
    </cfm-local-mep-status>
  </cfm-local-mep>
</cfm-entry>
</cfm-delay-statistics>
```

#### Description

## <cfm-local-mep-defects>

### Usage

```

<cfm-entry>
  <cfm-local-mep-defects>
    <cfm-defect-remote-mep-no-ccm>
      cfm-defect-remote-mep-no-ccm
    </cfm-defect-remote-mep-no-ccm>
    <cfm-defect-error-ccm>
      cfm-defect-error-ccm
    </cfm-defect-error-ccm>
    <cfm-defect-cross-connect-ccm>
      cfm-defect-cross-connect-ccm
    </cfm-defect-cross-connect-ccm>
    <cfm-defect-rdi-in-some-mep>
      cfm-defect-rdi-in-some-mep
    </cfm-defect-rdi-in-some-mep>
    <cfm-defect-mac-status>
      cfm-defect-mac-status
    </cfm-defect-mac-status>
  </cfm-local-mep-defects>
</cfm-entry>

```

### Description

## <cfm-local-mep-defects>

### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-local-mep-defects>
      <cfm-defect-remote-mep-no-ccm>
        cfm-defect-remote-mep-no-ccm
      </cfm-defect-remote-mep-no-ccm>
      <cfm-defect-error-ccm>
        cfm-defect-error-ccm
      </cfm-defect-error-ccm>
      <cfm-defect-cross-connect-ccm>
        cfm-defect-cross-connect-ccm
      </cfm-defect-cross-connect-ccm>
      <cfm-defect-rdi-in-some-mep>
        cfm-defect-rdi-in-some-mep
      </cfm-defect-rdi-in-some-mep>
      <cfm-defect-mac-status>
        cfm-defect-mac-status
      </cfm-defect-mac-status>
    </cfm-local-mep-defects>
  </cfm-entry>
</cfm-interface>

```

### Description

## <cfm-local-mep-defects>

### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-local-mep-defects>
      <cfm-defect-remote-mep-no-ccm>
        cfm-defect-remote-mep-no-ccm
      </cfm-defect-remote-mep-no-ccm>
      <cfm-defect-error-ccm>
        cfm-defect-error-ccm
      </cfm-defect-error-ccm>
      <cfm-defect-cross-connect-ccm>
        cfm-defect-cross-connect-ccm
      </cfm-defect-cross-connect-ccm>
      <cfm-defect-rdi-in-some-mep>
        cfm-defect-rdi-in-some-mep
      </cfm-defect-rdi-in-some-mep>
      <cfm-defect-mac-status>
        cfm-defect-mac-status
      </cfm-defect-mac-status>
    </cfm-local-mep-defects>
  </cfm-entry>
</cfm-mep-database>
```

### Description

## <cfm-local-mep-defects>

### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-local-mep-defects>
      <cfm-defect-remote-mep-no-ccm>
        cfm-defect-remote-mep-no-ccm
      </cfm-defect-remote-mep-no-ccm>
      <cfm-defect-error-ccm>
        cfm-defect-error-ccm
      </cfm-defect-error-ccm>
      <cfm-defect-cross-connect-ccm>
        cfm-defect-cross-connect-ccm
      </cfm-defect-cross-connect-ccm>
      <cfm-defect-rdi-in-some-mep>
        cfm-defect-rdi-in-some-mep
      </cfm-defect-rdi-in-some-mep>
      <cfm-defect-mac-status>
        cfm-defect-mac-status
      </cfm-defect-mac-status>
    </cfm-local-mep-defects>
  </cfm-entry>
</cfm-mep-statistics>
```

### Description



## <cfm-local-mep-defects>

### Usage

```

<cfm-delay-statistics>
<cfm-entry>
  <cfm-local-mep-defects>
    <cfm-defect-remote-mep-no-ccm>
      cfm-defect-remote-mep-no-ccm
    </cfm-defect-remote-mep-no-ccm>
    <cfm-defect-error-ccm>
      cfm-defect-error-ccm
    </cfm-defect-error-ccm>
    <cfm-defect-cross-connect-ccm>
      cfm-defect-cross-connect-ccm
    </cfm-defect-cross-connect-ccm>
    <cfm-defect-rdi-in-some-mep>
      cfm-defect-rdi-in-some-mep
    </cfm-defect-rdi-in-some-mep>
    <cfm-defect-mac-status>
      cfm-defect-mac-status
    </cfm-defect-mac-status>
  </cfm-local-mep-defects>
</cfm-entry>
</cfm-delay-statistics>

```

### Description

## <cfm-local-mep-packet-statistics>

### Usage

```

<cfm-entry>
  <cfm-local-mep-packet-statistics>
    <cfm-total-ccm-sent>
      cfm-total-ccm-sent
    </cfm-total-ccm-sent>
    <cfm-out-of-sequence-ccm-received>
      cfm-out-of-sequence-ccm-received
    </cfm-out-of-sequence-ccm-received>
    <cfm-lbm-sent>
      cfm-lbm-sent
    </cfm-lbm-sent>
    <cfm-lbr-sent>
      cfm-lbr-sent
    </cfm-lbr-sent>
    <cfm-lbr-received>
      cfm-lbr-received
    </cfm-lbr-received>
    <cfm-lbr-received-out-of-order>
      cfm-lbr-received-out-of-order
    </cfm-lbr-received-out-of-order>
    <cfm-lbr-bad-msdu>
      cfm-lbr-bad-msdu
    </cfm-lbr-bad-msdu>
    <cfm-total-ltm-sent>

```

```
    cfm-total-ltm-sent
  </cfm-total-ltm-sent>
  <cfm-total-ltm-received>
    cfm-total-ltm-received
  </cfm-total-ltm-received>
  <cfm-total-ltr-sent>
    cfm-total-ltr-sent
  </cfm-total-ltr-sent>
  <cfm-total-ltr-received>
    cfm-total-ltr-received
  </cfm-total-ltr-received>
  <cfm-next-ltm-sequence-number>
    cfm-next-ltm-sequence-number
  </cfm-next-ltm-sequence-number>
  <cfm-onedm-sent>
    cfm-onedm-sent
  </cfm-onedm-sent>
  <cfm-onedm-received>
    cfm-onedm-received
  </cfm-onedm-received>
  <cfm-onedm-received-invalid>
    cfm-onedm-received-invalid
  </cfm-onedm-received-invalid>
  <cfm-onedm-received-outofsync>
    cfm-onedm-received-outofsync
  </cfm-onedm-received-outofsync>
  <cfm-dmm-sent>
    cfm-dmm-sent
  </cfm-dmm-sent>
  <cfm-dmm-received>
    cfm-dmm-received
  </cfm-dmm-received>
  <cfm-dmm-received-invalid>
    cfm-dmm-received-invalid
  </cfm-dmm-received-invalid>
  <cfm-dmr-sent>
    cfm-dmr-sent
  </cfm-dmr-sent>
  <cfm-dmr-received>
    cfm-dmr-received
  </cfm-dmr-received>
  <cfm-dmr-received-invalid>
    cfm-dmr-received-invalid
  </cfm-dmr-received-invalid>
</cfm-local-mep-packet-statistics>
</cfm-entry>
```

#### Description

<cfm-local-mep-packet-statistics>

#### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-local-mep-packet-statistics>
```

```
<cfm-total-ccm-sent>
  cfm-total-ccm-sent
</cfm-total-ccm-sent>
<cfm-out-of-sequence-ccm-received>
  cfm-out-of-sequence-ccm-received
</cfm-out-of-sequence-ccm-received>
<cfm-lbm-sent>
  cfm-lbm-sent
</cfm-lbm-sent>
<cfm-lbr-sent>
  cfm-lbr-sent
</cfm-lbr-sent>
<cfm-lbr-received>
  cfm-lbr-received
</cfm-lbr-received>
<cfm-lbr-received-out-of-order>
  cfm-lbr-received-out-of-order
</cfm-lbr-received-out-of-order>
<cfm-lbr-bad-msdu>
  cfm-lbr-bad-msdu
</cfm-lbr-bad-msdu>
<cfm-total-ltm-sent>
  cfm-total-ltm-sent
</cfm-total-ltm-sent>
<cfm-total-ltm-received>
  cfm-total-ltm-received
</cfm-total-ltm-received>
<cfm-total-ltr-sent>
  cfm-total-ltr-sent
</cfm-total-ltr-sent>
<cfm-total-ltr-received>
  cfm-total-ltr-received
</cfm-total-ltr-received>
<cfm-next-ltm-sequence-number>
  cfm-next-ltm-sequence-number
</cfm-next-ltm-sequence-number>
<cfm-onedm-sent>
  cfm-onedm-sent
</cfm-onedm-sent>
<cfm-onedm-received>
  cfm-onedm-received
</cfm-onedm-received>
<cfm-onedm-received-invalid>
  cfm-onedm-received-invalid
</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
```

```
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
</cfm-local-mep-packet-statistics>
</cfm-entry>
</cfm-interface>
```

## Description

### <cfm-local-mep-packet-statistics>

#### Usage

```
<cfm-mep-database>
<cfm-entry>
  <cfm-local-mep-packet-statistics>
    <cfm-total-ccm-sent>
      cfm-total-ccm-sent
    </cfm-total-ccm-sent>
    <cfm-out-of-sequence-ccm-received>
      cfm-out-of-sequence-ccm-received
    </cfm-out-of-sequence-ccm-received>
    <cfm-lbm-sent>
      cfm-lbm-sent
    </cfm-lbm-sent>
    <cfm-lbr-sent>
      cfm-lbr-sent
    </cfm-lbr-sent>
    <cfm-lbr-received>
      cfm-lbr-received
    </cfm-lbr-received>
    <cfm-lbr-received-out-of-order>
      cfm-lbr-received-out-of-order
    </cfm-lbr-received-out-of-order>
    <cfm-lbr-bad-msdu>
      cfm-lbr-bad-msdu
    </cfm-lbr-bad-msdu>
    <cfm-total-ltm-sent>
      cfm-total-ltm-sent
    </cfm-total-ltm-sent>
    <cfm-total-ltm-received>
      cfm-total-ltm-received
    </cfm-total-ltm-received>
    <cfm-total-ltr-sent>
      cfm-total-ltr-sent
    </cfm-total-ltr-sent>
    <cfm-total-ltr-received>
      cfm-total-ltr-received
    </cfm-total-ltr-received>
```

```

<cfm-next-ltm-sequence-number>
  cfm-next-ltm-sequence-number
</cfm-next-ltm-sequence-number>
<cfm-onedm-sent>
  cfm-onedm-sent
</cfm-onedm-sent>
<cfm-onedm-received>
  cfm-onedm-received
</cfm-onedm-received>
<cfm-onedm-received-invalid>
  cfm-onedm-received-invalid
</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
</cfm-local-mep-packet-statistics>
</cfm-entry>
</cfm-mep-database>

```

## Description

### <cfm-local-mep-packet-statistics>

#### Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-local-mep-packet-statistics>
      <cfm-total-ccm-sent>
        cfm-total-ccm-sent
      </cfm-total-ccm-sent>
      <cfm-out-of-sequence-ccm-received>
        cfm-out-of-sequence-ccm-received
      </cfm-out-of-sequence-ccm-received>
      <cfm-lbm-sent>
        cfm-lbm-sent
      </cfm-lbm-sent>
      <cfm-lbr-sent>

```

```
    cfm-lbr-sent
  </cfm-lbr-sent>
  <cfm-lbr-received>
    cfm-lbr-received
  </cfm-lbr-received>
  <cfm-lbr-received-out-of-order>
    cfm-lbr-received-out-of-order
  </cfm-lbr-received-out-of-order>
  <cfm-lbr-bad-msdu>
    cfm-lbr-bad-msdu
  </cfm-lbr-bad-msdu>
  <cfm-total-ltm-sent>
    cfm-total-ltm-sent
  </cfm-total-ltm-sent>
  <cfm-total-ltm-received>
    cfm-total-ltm-received
  </cfm-total-ltm-received>
  <cfm-total-ltr-sent>
    cfm-total-ltr-sent
  </cfm-total-ltr-sent>
  <cfm-total-ltr-received>
    cfm-total-ltr-received
  </cfm-total-ltr-received>
  <cfm-next-ltm-sequence-number>
    cfm-next-ltm-sequence-number
  </cfm-next-ltm-sequence-number>
  <cfm-onedm-sent>
    cfm-onedm-sent
  </cfm-onedm-sent>
  <cfm-onedm-received>
    cfm-onedm-received
  </cfm-onedm-received>
  <cfm-onedm-received-invalid>
    cfm-onedm-received-invalid
  </cfm-onedm-received-invalid>
  <cfm-onedm-received-outofsync>
    cfm-onedm-received-outofsync
  </cfm-onedm-received-outofsync>
  <cfm-dmm-sent>
    cfm-dmm-sent
  </cfm-dmm-sent>
  <cfm-dmm-received>
    cfm-dmm-received
  </cfm-dmm-received>
  <cfm-dmm-received-invalid>
    cfm-dmm-received-invalid
  </cfm-dmm-received-invalid>
  <cfm-dmr-sent>
    cfm-dmr-sent
  </cfm-dmr-sent>
  <cfm-dmr-received>
    cfm-dmr-received
  </cfm-dmr-received>
  <cfm-dmr-received-invalid>
    cfm-dmr-received-invalid
  </cfm-dmr-received-invalid>
```

```

    </cfm-local-mep-packet-statistics>
  </cfm-entry>
</cfm-mep-statistics>

```

## Description

### <cfm-local-mep-packet-statistics>

#### Usage

```

<cfm-delay-statistics>
<cfm-entry>
  <cfm-local-mep-packet-statistics>
    <cfm-total-ccm-sent>
      cfm-total-ccm-sent
    </cfm-total-ccm-sent>
    <cfm-out-of-sequence-ccm-received>
      cfm-out-of-sequence-ccm-received
    </cfm-out-of-sequence-ccm-received>
    <cfm-lbm-sent>
      cfm-lbm-sent
    </cfm-lbm-sent>
    <cfm-lbr-sent>
      cfm-lbr-sent
    </cfm-lbr-sent>
    <cfm-lbr-received>
      cfm-lbr-received
    </cfm-lbr-received>
    <cfm-lbr-received-out-of-order>
      cfm-lbr-received-out-of-order
    </cfm-lbr-received-out-of-order>
    <cfm-lbr-bad-msdu>
      cfm-lbr-bad-msdu
    </cfm-lbr-bad-msdu>
    <cfm-total-ltm-sent>
      cfm-total-ltm-sent
    </cfm-total-ltm-sent>
    <cfm-total-ltm-received>
      cfm-total-ltm-received
    </cfm-total-ltm-received>
    <cfm-total-ltr-sent>
      cfm-total-ltr-sent
    </cfm-total-ltr-sent>
    <cfm-total-ltr-received>
      cfm-total-ltr-received
    </cfm-total-ltr-received>
    <cfm-next-ltm-sequence-number>
      cfm-next-ltm-sequence-number
    </cfm-next-ltm-sequence-number>
    <cfm-onedm-sent>
      cfm-onedm-sent
    </cfm-onedm-sent>
    <cfm-onedm-received>
      cfm-onedm-received
    </cfm-onedm-received>
    <cfm-onedm-received-invalid>

```

```
    cfm-onedm-received-invalid
  </cfm-onedm-received-invalid>
  <cfm-onedm-received-outofsync>
    cfm-onedm-received-outofsync
  </cfm-onedm-received-outofsync>
  <cfm-dmm-sent>
    cfm-dmm-sent
  </cfm-dmm-sent>
  <cfm-dmm-received>
    cfm-dmm-received
  </cfm-dmm-received>
  <cfm-dmm-received-invalid>
    cfm-dmm-received-invalid
  </cfm-dmm-received-invalid>
  <cfm-dmr-sent>
    cfm-dmr-sent
  </cfm-dmr-sent>
  <cfm-dmr-received>
    cfm-dmr-received
  </cfm-dmr-received>
  <cfm-dmr-received-invalid>
    cfm-dmr-received-invalid
  </cfm-dmr-received-invalid>
</cfm-local-mep-packet-statistics>
</cfm-entry>
</cfm-delay-statistics>
```

## Description

### <cfm-local-mep-statistics>

#### Usage

```
<cfm-entry>
  <cfm-local-mep-statistics>
    <cfm-total-ccm-sent>
      cfm-total-ccm-sent
    </cfm-total-ccm-sent>
    <cfm-out-of-sequence-ccm-received>
      cfm-out-of-sequence-ccm-received
    </cfm-out-of-sequence-ccm-received>
    <cfm-lbm-sent>
      cfm-lbm-sent
    </cfm-lbm-sent>
    <cfm-lbr-sent>
      cfm-lbr-sent
    </cfm-lbr-sent>
    <cfm-lbr-received>
      cfm-lbr-received
    </cfm-lbr-received>
    <cfm-lbr-received-out-of-order>
      cfm-lbr-received-out-of-order
    </cfm-lbr-received-out-of-order>
    <cfm-lbr-bad-msdu>
      cfm-lbr-bad-msdu
    </cfm-lbr-bad-msdu>
```



```

<cfm-total-ltm-sent>
  cfm-total-ltm-sent
</cfm-total-ltm-sent>
<cfm-total-ltm-received>
  cfm-total-ltm-received
</cfm-total-ltm-received>
<cfm-total-ltr-sent>
  cfm-total-ltr-sent
</cfm-total-ltr-sent>
<cfm-total-ltr-received>
  cfm-total-ltr-received
</cfm-total-ltr-received>
<cfm-next-ltm-sequence-number>
  cfm-next-ltm-sequence-number
</cfm-next-ltm-sequence-number>
<cfm-onedm-sent>
  cfm-onedm-sent
</cfm-onedm-sent>
<cfm-onedm-received>
  cfm-onedm-received
</cfm-onedm-received>
<cfm-onedm-received-invalid>
  cfm-onedm-received-invalid
</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
</cfm-local-mep-statistics>
</cfm-entry>

```

#### Description

<cfm-local-mep-statistics>

#### Usage

```

<cfm-interface>
<cfm-entry>

```

```
<cfm-local-mep-statistics>
  <cfm-total-ccm-sent>
    cfm-total-ccm-sent
  </cfm-total-ccm-sent>
  <cfm-out-of-sequence-ccm-received>
    cfm-out-of-sequence-ccm-received
  </cfm-out-of-sequence-ccm-received>
  <cfm-lbm-sent>
    cfm-lbm-sent
  </cfm-lbm-sent>
  <cfm-lbr-sent>
    cfm-lbr-sent
  </cfm-lbr-sent>
  <cfm-lbr-received>
    cfm-lbr-received
  </cfm-lbr-received>
  <cfm-lbr-received-out-of-order>
    cfm-lbr-received-out-of-order
  </cfm-lbr-received-out-of-order>
  <cfm-lbr-bad-msdu>
    cfm-lbr-bad-msdu
  </cfm-lbr-bad-msdu>
  <cfm-total-ltm-sent>
    cfm-total-ltm-sent
  </cfm-total-ltm-sent>
  <cfm-total-ltm-received>
    cfm-total-ltm-received
  </cfm-total-ltm-received>
  <cfm-total-ltr-sent>
    cfm-total-ltr-sent
  </cfm-total-ltr-sent>
  <cfm-total-ltr-received>
    cfm-total-ltr-received
  </cfm-total-ltr-received>
  <cfm-next-ltm-sequence-number>
    cfm-next-ltm-sequence-number
  </cfm-next-ltm-sequence-number>
  <cfm-onedm-sent>
    cfm-onedm-sent
  </cfm-onedm-sent>
  <cfm-onedm-received>
    cfm-onedm-received
  </cfm-onedm-received>
  <cfm-onedm-received-invalid>
    cfm-onedm-received-invalid
  </cfm-onedm-received-invalid>
  <cfm-onedm-received-outofsync>
    cfm-onedm-received-outofsync
  </cfm-onedm-received-outofsync>
  <cfm-dmm-sent>
    cfm-dmm-sent
  </cfm-dmm-sent>
  <cfm-dmm-received>
    cfm-dmm-received
  </cfm-dmm-received>
  <cfm-dmm-received-invalid>
```

```

        cfm-dmm-received-invalid
      </cfm-dmm-received-invalid>
    <cfm-dmr-sent>
      cfm-dmr-sent
    </cfm-dmr-sent>
    <cfm-dmr-received>
      cfm-dmr-received
    </cfm-dmr-received>
    <cfm-dmr-received-invalid>
      cfm-dmr-received-invalid
    </cfm-dmr-received-invalid>
  </cfm-local-mep-statistics>
</cfm-entry>
</cfm-interface>

```

## Description

### <cfm-local-mep-statistics>

#### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-local-mep-statistics>
      <cfm-total-ccm-sent>
        cfm-total-ccm-sent
      </cfm-total-ccm-sent>
      <cfm-out-of-sequence-ccm-received>
        cfm-out-of-sequence-ccm-received
      </cfm-out-of-sequence-ccm-received>
      <cfm-lbm-sent>
        cfm-lbm-sent
      </cfm-lbm-sent>
      <cfm-lbr-sent>
        cfm-lbr-sent
      </cfm-lbr-sent>
      <cfm-lbr-received>
        cfm-lbr-received
      </cfm-lbr-received>
      <cfm-lbr-received-out-of-order>
        cfm-lbr-received-out-of-order
      </cfm-lbr-received-out-of-order>
      <cfm-lbr-bad-msdu>
        cfm-lbr-bad-msdu
      </cfm-lbr-bad-msdu>
      <cfm-total-ltm-sent>
        cfm-total-ltm-sent
      </cfm-total-ltm-sent>
      <cfm-total-ltm-received>
        cfm-total-ltm-received
      </cfm-total-ltm-received>
      <cfm-total-ltr-sent>
        cfm-total-ltr-sent
      </cfm-total-ltr-sent>
      <cfm-total-ltr-received>
        cfm-total-ltr-received

```

```
</cfm-total-ltr-received>
<cfm-next-ltm-sequence-number>
  cfm-next-ltm-sequence-number
</cfm-next-ltm-sequence-number>
<cfm-onedm-sent>
  cfm-onedm-sent
</cfm-onedm-sent>
<cfm-onedm-received>
  cfm-onedm-received
</cfm-onedm-received>
<cfm-onedm-received-invalid>
  cfm-onedm-received-invalid
</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
</cfm-local-mep-statistics>
</cfm-entry>
</cfm-mep-database>
```

## Description

### <cfm-local-mep-statistics>

#### Usage

```
<cfm-mep-statistics>
<cfm-entry>
  <cfm-local-mep-statistics>
    <cfm-total-ccm-sent>
      cfm-total-ccm-sent
    </cfm-total-ccm-sent>
    <cfm-out-of-sequence-ccm-received>
      cfm-out-of-sequence-ccm-received
    </cfm-out-of-sequence-ccm-received>
    <cfm-lbm-sent>
      cfm-lbm-sent
    </cfm-lbm-sent>
```

```
<cfm-lbr-sent>
  cfm-lbr-sent
</cfm-lbr-sent>
<cfm-lbr-received>
  cfm-lbr-received
</cfm-lbr-received>
<cfm-lbr-received-out-of-order>
  cfm-lbr-received-out-of-order
</cfm-lbr-received-out-of-order>
<cfm-lbr-bad-msdu>
  cfm-lbr-bad-msdu
</cfm-lbr-bad-msdu>
<cfm-total-ltm-sent>
  cfm-total-ltm-sent
</cfm-total-ltm-sent>
<cfm-total-ltm-received>
  cfm-total-ltm-received
</cfm-total-ltm-received>
<cfm-total-ltr-sent>
  cfm-total-ltr-sent
</cfm-total-ltr-sent>
<cfm-total-ltr-received>
  cfm-total-ltr-received
</cfm-total-ltr-received>
<cfm-next-ltm-sequence-number>
  cfm-next-ltm-sequence-number
</cfm-next-ltm-sequence-number>
<cfm-onedm-sent>
  cfm-onedm-sent
</cfm-onedm-sent>
<cfm-onedm-received>
  cfm-onedm-received
</cfm-onedm-received>
<cfm-onedm-received-invalid>
  cfm-onedm-received-invalid
</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
```

```
</cfm-dmr-received-invalid>
</cfm-local-mep-statistics>
</cfm-entry>
</cfm-mep-statistics>
```

## Description

### <cfm-local-mep-statistics>

#### Usage

```
<cfm-delay-statistics>
<cfm-entry>
  <cfm-local-mep-statistics>
    <cfm-total-ccm-sent>
      cfm-total-ccm-sent
    </cfm-total-ccm-sent>
    <cfm-out-of-sequence-ccm-received>
      cfm-out-of-sequence-ccm-received
    </cfm-out-of-sequence-ccm-received>
    <cfm-lbm-sent>
      cfm-lbm-sent
    </cfm-lbm-sent>
    <cfm-lbr-sent>
      cfm-lbr-sent
    </cfm-lbr-sent>
    <cfm-lbr-received>
      cfm-lbr-received
    </cfm-lbr-received>
    <cfm-lbr-received-out-of-order>
      cfm-lbr-received-out-of-order
    </cfm-lbr-received-out-of-order>
    <cfm-lbr-bad-msdu>
      cfm-lbr-bad-msdu
    </cfm-lbr-bad-msdu>
    <cfm-total-ltm-sent>
      cfm-total-ltm-sent
    </cfm-total-ltm-sent>
    <cfm-total-ltm-received>
      cfm-total-ltm-received
    </cfm-total-ltm-received>
    <cfm-total-ltr-sent>
      cfm-total-ltr-sent
    </cfm-total-ltr-sent>
    <cfm-total-ltr-received>
      cfm-total-ltr-received
    </cfm-total-ltr-received>
    <cfm-next-ltm-sequence-number>
      cfm-next-ltm-sequence-number
    </cfm-next-ltm-sequence-number>
    <cfm-onedm-sent>
      cfm-onedm-sent
    </cfm-onedm-sent>
    <cfm-onedm-received>
      cfm-onedm-received
    </cfm-onedm-received>
```

```

<cfm-onedm-received-invalid>
  cfm-onedm-received-invalid
</cfm-onedm-received-invalid>
<cfm-onedm-received-outofsync>
  cfm-onedm-received-outofsync
</cfm-onedm-received-outofsync>
<cfm-dmm-sent>
  cfm-dmm-sent
</cfm-dmm-sent>
<cfm-dmm-received>
  cfm-dmm-received
</cfm-dmm-received>
<cfm-dmm-received-invalid>
  cfm-dmm-received-invalid
</cfm-dmm-received-invalid>
<cfm-dmr-sent>
  cfm-dmr-sent
</cfm-dmr-sent>
<cfm-dmr-received>
  cfm-dmr-received
</cfm-dmr-received>
<cfm-dmr-received-invalid>
  cfm-dmr-received-invalid
</cfm-dmr-received-invalid>
</cfm-local-mep-statistics>
</cfm-entry>
</cfm-delay-statistics>

```

## Description

### <cfm-ltm-request-snapshot>

#### Usage

```

<cfm-ltm-request-snapshot>
  <cfm-interface-name>
    cfm-interface-name
  </cfm-interface-name>
  <cfm-level>
    cfm-level
  </cfm-level>
  <cfm-maintenance-domain-name>
    cfm-maintenance-domain-name
  </cfm-maintenance-domain-name>
  <cfm-maintenance-association-name>
    cfm-maintenance-association-name
  </cfm-maintenance-association-name>
  <cfm-local-mep-identifier>
    cfm-local-mep-identifier
  </cfm-local-mep-identifier>
  <cfm-ltm-target-mac-address>
    cfm-ltm-target-mac-address
  </cfm-ltm-target-mac-address>
</cfm-ltm-request-snapshot>

```

### Description

## <cfm-ltm-request-snapshot>

### Usage

```
<cfm-linktrace-path-database>
  <cfm-ltm-request-snapshot>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-level>
      cfm-level
    </cfm-level>
    <cfm-maintenance-domain-name>
      cfm-maintenance-domain-name
    </cfm-maintenance-domain-name>
    <cfm-maintenance-association-name>
      cfm-maintenance-association-name
    </cfm-maintenance-association-name>
    <cfm-local-mep-identifier>
      cfm-local-mep-identifier
    </cfm-local-mep-identifier>
    <cfm-ltm-target-mac-address>
      cfm-ltm-target-mac-address
    </cfm-ltm-target-mac-address>
  </cfm-ltm-request-snapshot>
</cfm-linktrace-path-database>
```

### Description

## <cfm-ltr-reply-entry>

### Usage

```
<cfm-ltr-reply-entry>
  <cfm-ltm-transaction-identifier>
    cfm-ltm-transaction-identifier
  </cfm-ltm-transaction-identifier>
  <cfm-ltr-request-hop-identifier>
    cfm-ltr-request-hop-identifier
  </cfm-ltr-request-hop-identifier>
  <cfm-ltr-reply-ttl>
    cfm-ltr-reply-ttl
  </cfm-ltr-reply-ttl>
  <cfm-ltr-mep-mip-mac-address>
    cfm-ltr-mep-mip-mac-address
  </cfm-ltr-mep-mip-mac-address>
  <cfm-ltr-next-hop-mac-address>
    cfm-ltr-next-hop-mac-address
  </cfm-ltr-next-hop-mac-address>
</cfm-ltr-reply-entry>
```

### Description



## <cfm-ltr-reply-entry>

### Usage

```

<cfm-linktrace-path-database>
  <cfm-ltr-reply-entry>
    <cfm-ltm-transaction-identifier>
      cfm-ltm-transaction-identifier
    </cfm-ltm-transaction-identifier>
    <cfm-ltr-request-hop-identifier>
      cfm-ltr-request-hop-identifier
    </cfm-ltr-request-hop-identifier>
    <cfm-ltr-reply-ttl>
      cfm-ltr-reply-ttl
    </cfm-ltr-reply-ttl>
    <cfm-ltr-mep-mip-mac-address>
      cfm-ltr-mep-mip-mac-address
    </cfm-ltr-mep-mip-mac-address>
    <cfm-ltr-next-hop-mac-address>
      cfm-ltr-next-hop-mac-address
    </cfm-ltr-next-hop-mac-address>
  </cfm-ltr-reply-entry>
</cfm-linktrace-path-database>

```

### Description

## <cfm-mep-database>

### Usage

```

<cfm-mep-database>
  <cfm-entry>....</cfm-entry>
</cfm-mep-database>

```

**Description** Information about MEP database for one or more CFM sessions

## <cfm-mep-database-continuity-check>

### Usage

```

<cfm-entry>
  <cfm-mep-database-continuity-check>
    <cfm-continuity-check-status>
      cfm-continuity-check-status
    </cfm-continuity-check-status>
    <cfm-continuity-check-interval>
      cfm-continuity-check-interval
    </cfm-continuity-check-interval>
    <cfm-continuity-check-loss-threshold>
      cfm-continuity-check-loss-threshold
    </cfm-continuity-check-loss-threshold>
  </cfm-mep-database-continuity-check>
</cfm-entry>

```

### Description

#### <cfm-mep-database-continuity-check>

##### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-mep-database-continuity-check>
      <cfm-continuity-check-status>
        cfm-continuity-check-status
      </cfm-continuity-check-status>
      <cfm-continuity-check-interval>
        cfm-continuity-check-interval
      </cfm-continuity-check-interval>
      <cfm-continuity-check-loss-threshold>
        cfm-continuity-check-loss-threshold
      </cfm-continuity-check-loss-threshold>
    </cfm-mep-database-continuity-check>
  </cfm-entry>
</cfm-interface>
```

### Description

#### <cfm-mep-database-continuity-check>

##### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-mep-database-continuity-check>
      <cfm-continuity-check-status>
        cfm-continuity-check-status
      </cfm-continuity-check-status>
      <cfm-continuity-check-interval>
        cfm-continuity-check-interval
      </cfm-continuity-check-interval>
      <cfm-continuity-check-loss-threshold>
        cfm-continuity-check-loss-threshold
      </cfm-continuity-check-loss-threshold>
    </cfm-mep-database-continuity-check>
  </cfm-entry>
</cfm-mep-database>
```

### Description

#### <cfm-mep-database-continuity-check>

##### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-mep-database-continuity-check>
      <cfm-continuity-check-status>
        cfm-continuity-check-status
      </cfm-continuity-check-status>
      <cfm-continuity-check-interval>
```

```

    cfm-continuity-check-interval
  </cfm-continuity-check-interval>
  <cfm-continuity-check-loss-threshold>
    cfm-continuity-check-loss-threshold
  </cfm-continuity-check-loss-threshold>
</cfm-mep-database-continuity-check>
</cfm-entry>
</cfm-mep-statistics>

```

#### Description

### <cfm-mep-database-continuity-check>

#### Usage

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-mep-database-continuity-check>
      <cfm-continuity-check-status>
        cfm-continuity-check-status
      </cfm-continuity-check-status>
      <cfm-continuity-check-interval>
        cfm-continuity-check-interval
      </cfm-continuity-check-interval>
      <cfm-continuity-check-loss-threshold>
        cfm-continuity-check-loss-threshold
      </cfm-continuity-check-loss-threshold>
    </cfm-mep-database-continuity-check>
  </cfm-entry>
</cfm-delay-statistics>

```

#### Description

### <cfm-mep-database-interface>

#### Usage

```

<cfm-entry>
  <cfm-mep-database-interface>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-status>
      cfm-interface-status
    </cfm-interface-status>
    <cfm-interface-link-status>
      cfm-interface-link-status
    </cfm-interface-link-status>
  </cfm-mep-database-interface>
</cfm-entry>

```

#### Description

## <cfm-mep-database-interface>

### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-mep-database-interface>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-status>
        cfm-interface-status
      </cfm-interface-status>
      <cfm-interface-link-status>
        cfm-interface-link-status
      </cfm-interface-link-status>
    </cfm-mep-database-interface>
  </cfm-entry>
</cfm-interface>
```

### Description

## <cfm-mep-database-interface>

### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-mep-database-interface>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-status>
        cfm-interface-status
      </cfm-interface-status>
      <cfm-interface-link-status>
        cfm-interface-link-status
      </cfm-interface-link-status>
    </cfm-mep-database-interface>
  </cfm-entry>
</cfm-mep-database>
```

### Description

## <cfm-mep-database-interface>

### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-mep-database-interface>
      <cfm-interface-name>
        cfm-interface-name
      </cfm-interface-name>
      <cfm-interface-status>
        cfm-interface-status
```

```

</cfm-interface-status>
<cfm-interface-link-status>
  cfm-interface-link-status
</cfm-interface-link-status>
</cfm-mep-database-interface>
</cfm-entry>
</cfm-mep-statistics>

```

#### Description

### <cfm-mep-database-interface>

#### Usage

```

<cfm-delay-statistics>
<cfm-entry>
  <cfm-mep-database-interface>
    <cfm-interface-name>
      cfm-interface-name
    </cfm-interface-name>
    <cfm-interface-status>
      cfm-interface-status
    </cfm-interface-status>
    <cfm-interface-link-status>
      cfm-interface-link-status
    </cfm-interface-link-status>
  </cfm-mep-database-interface>
</cfm-entry>
</cfm-delay-statistics>

```

#### Description

### <cfm-mep-database-session>

#### Usage

```

<cfm-entry>
  <cfm-mep-database-session>
    <cfm-maintenance-domain-name>
      cfm-maintenance-domain-name
    </cfm-maintenance-domain-name>
    <cfm-maintenance-domain-name-format>
      cfm-maintenance-domain-name-format
    </cfm-maintenance-domain-name-format>
    <cfm-level>
      cfm-level
    </cfm-level>
    <cfm-maintenance-association-name>
      cfm-maintenance-association-name
    </cfm-maintenance-association-name>
    <cfm-maintenance-association-name-format>
      cfm-maintenance-association-name-format
    </cfm-maintenance-association-name-format>
  </cfm-mep-database-session>
</cfm-entry>

```

## Description

### <cfm-mep-database-session>

#### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-mep-database-session>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-domain-name-format>
        cfm-maintenance-domain-name-format
      </cfm-maintenance-domain-name-format>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-maintenance-association-name-format>
        cfm-maintenance-association-name-format
      </cfm-maintenance-association-name-format>
    </cfm-mep-database-session>
  </cfm-entry>
</cfm-interface>
```

## Description

### <cfm-mep-database-session>

#### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-mep-database-session>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-domain-name-format>
        cfm-maintenance-domain-name-format
      </cfm-maintenance-domain-name-format>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-maintenance-association-name-format>
        cfm-maintenance-association-name-format
      </cfm-maintenance-association-name-format>
    </cfm-mep-database-session>
  </cfm-entry>
</cfm-mep-database>
```

## Description

## &lt;cfm-mep-database-session&gt;

## Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-mep-database-session>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-domain-name-format>
        cfm-maintenance-domain-name-format
      </cfm-maintenance-domain-name-format>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-maintenance-association-name-format>
        cfm-maintenance-association-name-format
      </cfm-maintenance-association-name-format>
    </cfm-mep-database-session>
  </cfm-entry>
</cfm-mep-statistics>

```

## Description

## &lt;cfm-mep-database-session&gt;

## Usage

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-mep-database-session>
      <cfm-maintenance-domain-name>
        cfm-maintenance-domain-name
      </cfm-maintenance-domain-name>
      <cfm-maintenance-domain-name-format>
        cfm-maintenance-domain-name-format
      </cfm-maintenance-domain-name-format>
      <cfm-level>
        cfm-level
      </cfm-level>
      <cfm-maintenance-association-name>
        cfm-maintenance-association-name
      </cfm-maintenance-association-name>
      <cfm-maintenance-association-name-format>
        cfm-maintenance-association-name-format
      </cfm-maintenance-association-name-format>
    </cfm-mep-database-session>
  </cfm-entry>
</cfm-delay-statistics>

```

**Description****<cfm-mep-statistics>****Usage**

```
<cfm-mep-statistics>
  <cfm-entry>....</cfm-entry>
</cfm-mep-statistics>
```

**Description** Information about MEP statistics for one or more CFM sessions

**<cfm-mep-statistics-mep-summary>****Usage**

```
<cfm-entry>
  <cfm-mep-statistics-mep-summary>
    <cfm-local-mep-identifier>
      cfm-local-mep-identifier
    </cfm-local-mep-identifier>
    <cfm-local-mep-mac-address>
      cfm-local-mep-mac-address
    </cfm-local-mep-mac-address>
    <cfm-remote-mep-count>
      cfm-remote-mep-count
    </cfm-remote-mep-count>
  </cfm-mep-statistics-mep-summary>
</cfm-entry>
```

**Description****<cfm-mep-statistics-mep-summary>****Usage**

```
<cfm-interface>
  <cfm-entry>
    <cfm-mep-statistics-mep-summary>
      <cfm-local-mep-identifier>
        cfm-local-mep-identifier
      </cfm-local-mep-identifier>
      <cfm-local-mep-mac-address>
        cfm-local-mep-mac-address
      </cfm-local-mep-mac-address>
      <cfm-remote-mep-count>
        cfm-remote-mep-count
      </cfm-remote-mep-count>
    </cfm-mep-statistics-mep-summary>
  </cfm-entry>
</cfm-interface>
```

**Description**



### <cfm-mep-statistics-mep-summary>

#### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-mep-statistics-mep-summary>
      <cfm-local-mep-identifier>
        cfm-local-mep-identifier
      </cfm-local-mep-identifier>
      <cfm-local-mep-mac-address>
        cfm-local-mep-mac-address
      </cfm-local-mep-mac-address>
      <cfm-remote-mep-count>
        cfm-remote-mep-count
      </cfm-remote-mep-count>
    </cfm-mep-statistics-mep-summary>
  </cfm-entry>
</cfm-mep-database>

```

#### Description

### <cfm-mep-statistics-mep-summary>

#### Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-mep-statistics-mep-summary>
      <cfm-local-mep-identifier>
        cfm-local-mep-identifier
      </cfm-local-mep-identifier>
      <cfm-local-mep-mac-address>
        cfm-local-mep-mac-address
      </cfm-local-mep-mac-address>
      <cfm-remote-mep-count>
        cfm-remote-mep-count
      </cfm-remote-mep-count>
    </cfm-mep-statistics-mep-summary>
  </cfm-entry>
</cfm-mep-statistics>

```

#### Description

### <cfm-mep-statistics-mep-summary>

#### Usage

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-mep-statistics-mep-summary>
      <cfm-local-mep-identifier>
        cfm-local-mep-identifier
      </cfm-local-mep-identifier>
      <cfm-local-mep-mac-address>
        cfm-local-mep-mac-address

```

```
</cfm-local-mep-mac-address>
<cfm-remote-mep-count>
  cfm-remote-mep-count
</cfm-remote-mep-count>
</cfm-mep-statistics-mep-summary>
</cfm-entry>
</cfm-delay-statistics>
```

#### Description

### <cfm-mip-information>

#### Usage

```
<cfm-mip-information>
  <cfm-instance-mip-information>....</cfm-instance-mip-information>
</cfm-mip-information>
```

#### Description

### <cfm-nexthop-information>

#### Usage

```
<cfm-nexthop-information>
  <cfm-nexthop-index>
    cfm-nexthop-index
  </cfm-nexthop-index>
  <cfm-nexthop-type>
    cfm-nexthop-type
  </cfm-nexthop-type>
  <cfm-nexthop-last-operation>
    cfm-nexthop-last-operation
  </cfm-nexthop-last-operation>
  <cfm-nexthop-last-error>
    cfm-nexthop-last-error
  </cfm-nexthop-last-error>
  <cfm-nexthop-statistics>
    cfm-nexthop-statistics
  </cfm-nexthop-statistics>
  <cfm-nexthop-reference-count>
    cfm-nexthop-reference-count
  </cfm-nexthop-reference-count>
  <cfm-nexthop-owner>
    cfm-nexthop-owner
  </cfm-nexthop-owner>
  <cfm-level>
    cfm-level
  </cfm-level>
  <cfm-flood-nexthop-components>....</cfm-flood-nexthop-components>
</cfm-nexthop-information>
```

#### Description

## <cfm-remote-mep>

### Usage

```

<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-remote-meps>
        <cfm-remote-mep>
          <cfm-remote-mep-identifier>
            cfm-remote-mep-identifier
          </cfm-remote-mep-identifier>
          <cfm-remote-mep-state>
            cfm-remote-mep-state
          </cfm-remote-mep-state>
          <cfm-remote-mep-mac-address>
            cfm-remote-mep-mac-address
          </cfm-remote-mep-mac-address>
          <cfm-remote-mep-interface>
            cfm-remote-mep-interface
          </cfm-remote-mep-interface>
          <cfm-remote-mep-type>
            cfm-remote-mep-type
          </cfm-remote-mep-type>
          <cfm-remote-mep-db-flush-timer>
            cfm-remote-mep-db-flush-timer
          </cfm-remote-mep-db-flush-timer>
          <cfm-remote-mep-rdi>
            cfm-remote-mep-rdi
          </cfm-remote-mep-rdi>
          <cfm-remote-mep-last-flapped>
            cfm-remote-mep-last-flapped
          </cfm-remote-mep-last-flapped>
          <cfm-remote-mep-port-status-tlv>
            cfm-remote-mep-port-status-tlv
          </cfm-remote-mep-port-status-tlv>
          <cfm-remote-mep-interface-status-tlv>
            cfm-remote-mep-interface-status-tlv
          </cfm-remote-mep-interface-status-tlv>
        </cfm-remote-mep>
      </cfm-interface-remote-meps>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>

```

### Description

## <cfm-remote-mep>

### Usage

```

<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep>
      <cfm-remote-mep-identifier>
        cfm-remote-mep-identifier

```

```
</cfm-remote-mep-identifier>
<cfm-remote-mep-state>
  cfm-remote-mep-state
</cfm-remote-mep-state>
<cfm-remote-mep-mac-address>
  cfm-remote-mep-mac-address
</cfm-remote-mep-mac-address>
<cfm-remote-mep-interface>
  cfm-remote-mep-interface
</cfm-remote-mep-interface>
<cfm-remote-mep-type>
  cfm-remote-mep-type
</cfm-remote-mep-type>
<cfm-remote-mep-db-flush-timer>
  cfm-remote-mep-db-flush-timer
</cfm-remote-mep-db-flush-timer>
<cfm-remote-mep-rdi>
  cfm-remote-mep-rdi
</cfm-remote-mep-rdi>
<cfm-remote-mep-last-flapped>
  cfm-remote-mep-last-flapped
</cfm-remote-mep-last-flapped>
<cfm-remote-mep-port-status-tlv>
  cfm-remote-mep-port-status-tlv
</cfm-remote-mep-port-status-tlv>
<cfm-remote-mep-interface-status-tlv>
  cfm-remote-mep-interface-status-tlv
</cfm-remote-mep-interface-status-tlv>
</cfm-remote-mep>
</cfm-remote-meps>
</cfm-entry>
```

## Description

### <cfm-remote-mep>

#### Usage

```
<cfm-interface>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-remote-meps>
        <cfm-remote-mep>
          <cfm-remote-mep-identifier>
            cfm-remote-mep-identifier
          </cfm-remote-mep-identifier>
          <cfm-remote-mep-state>
            cfm-remote-mep-state
          </cfm-remote-mep-state>
          <cfm-remote-mep-mac-address>
            cfm-remote-mep-mac-address
          </cfm-remote-mep-mac-address>
          <cfm-remote-mep-interface>
            cfm-remote-mep-interface
          </cfm-remote-mep-interface>
```

```

<cfm-remote-mep-type>
  cfm-remote-mep-type
</cfm-remote-mep-type>
<cfm-remote-mep-db-flush-timer>
  cfm-remote-mep-db-flush-timer
</cfm-remote-mep-db-flush-timer>
<cfm-remote-mep-rdi>
  cfm-remote-mep-rdi
</cfm-remote-mep-rdi>
<cfm-remote-mep-last-flapped>
  cfm-remote-mep-last-flapped
</cfm-remote-mep-last-flapped>
<cfm-remote-mep-port-status-tlv>
  cfm-remote-mep-port-status-tlv
</cfm-remote-mep-port-status-tlv>
<cfm-remote-mep-interface-status-tlv>
  cfm-remote-mep-interface-status-tlv
</cfm-remote-mep-interface-status-tlv>
</cfm-remote-mep>
</cfm-interface-remote-meps>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-interface>

```

#### Description

<cfm-remote-mep>

#### Usage

```

<cfm-interface>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep>
        <cfm-remote-mep-identifier>
          cfm-remote-mep-identifier
        </cfm-remote-mep-identifier>
        <cfm-remote-mep-state>
          cfm-remote-mep-state
        </cfm-remote-mep-state>
        <cfm-remote-mep-mac-address>
          cfm-remote-mep-mac-address
        </cfm-remote-mep-mac-address>
        <cfm-remote-mep-interface>
          cfm-remote-mep-interface
        </cfm-remote-mep-interface>
        <cfm-remote-mep-type>
          cfm-remote-mep-type
        </cfm-remote-mep-type>
        <cfm-remote-mep-db-flush-timer>
          cfm-remote-mep-db-flush-timer
        </cfm-remote-mep-db-flush-timer>
        <cfm-remote-mep-rdi>
          cfm-remote-mep-rdi
        </cfm-remote-mep-rdi>
      </cfm-remote-mep>
    </cfm-remote-meps>
  </cfm-entry>
</cfm-interface>

```

```
<cfm-remote-mep-last-flapped>
  cfm-remote-mep-last-flapped
</cfm-remote-mep-last-flapped>
<cfm-remote-mep-port-status-tlv>
  cfm-remote-mep-port-status-tlv
</cfm-remote-mep-port-status-tlv>
<cfm-remote-mep-interface-status-tlv>
  cfm-remote-mep-interface-status-tlv
</cfm-remote-mep-interface-status-tlv>
</cfm-remote-mep>
</cfm-remote-meps>
</cfm-entry>
</cfm-interface>
```

## Description

### <cfm-remote-mep>

#### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-remote-meps>
          <cfm-remote-mep>
            <cfm-remote-mep-identifier>
              cfm-remote-mep-identifier
            </cfm-remote-mep-identifier>
            <cfm-remote-mep-state>
              cfm-remote-mep-state
            </cfm-remote-mep-state>
            <cfm-remote-mep-mac-address>
              cfm-remote-mep-mac-address
            </cfm-remote-mep-mac-address>
            <cfm-remote-mep-interface>
              cfm-remote-mep-interface
            </cfm-remote-mep-interface>
            <cfm-remote-mep-type>
              cfm-remote-mep-type
            </cfm-remote-mep-type>
            <cfm-remote-mep-db-flush-timer>
              cfm-remote-mep-db-flush-timer
            </cfm-remote-mep-db-flush-timer>
            <cfm-remote-mep-rdi>
              cfm-remote-mep-rdi
            </cfm-remote-mep-rdi>
            <cfm-remote-mep-last-flapped>
              cfm-remote-mep-last-flapped
            </cfm-remote-mep-last-flapped>
            <cfm-remote-mep-port-status-tlv>
              cfm-remote-mep-port-status-tlv
            </cfm-remote-mep-port-status-tlv>
            <cfm-remote-mep-interface-status-tlv>
              cfm-remote-mep-interface-status-tlv
            </cfm-remote-mep-interface-status-tlv>
```

```

    </cfm-remote-mep>
  </cfm-interface-remote-meps>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-mep-database>

```

## Description

### <cfm-remote-mep>

#### Usage

```

<cfm-mep-database>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep>
        <cfm-remote-mep-identifier>
          cfm-remote-mep-identifier
        </cfm-remote-mep-identifier>
        <cfm-remote-mep-state>
          cfm-remote-mep-state
        </cfm-remote-mep-state>
        <cfm-remote-mep-mac-address>
          cfm-remote-mep-mac-address
        </cfm-remote-mep-mac-address>
        <cfm-remote-mep-interface>
          cfm-remote-mep-interface
        </cfm-remote-mep-interface>
        <cfm-remote-mep-type>
          cfm-remote-mep-type
        </cfm-remote-mep-type>
        <cfm-remote-mep-db-flush-timer>
          cfm-remote-mep-db-flush-timer
        </cfm-remote-mep-db-flush-timer>
        <cfm-remote-mep-rdi>
          cfm-remote-mep-rdi
        </cfm-remote-mep-rdi>
        <cfm-remote-mep-last-flapped>
          cfm-remote-mep-last-flapped
        </cfm-remote-mep-last-flapped>
        <cfm-remote-mep-port-status-tlv>
          cfm-remote-mep-port-status-tlv
        </cfm-remote-mep-port-status-tlv>
        <cfm-remote-mep-interface-status-tlv>
          cfm-remote-mep-interface-status-tlv
        </cfm-remote-mep-interface-status-tlv>
      </cfm-remote-mep>
    </cfm-remote-meps>
  </cfm-entry>
</cfm-mep-database>

```

## Description

## <cfm-remote-mep>

### Usage

```
<cfm-mep-statistics>
<cfm-entry>
  <cfm-interface-sessions>
    <cfm-interface-session>
      <cfm-interface-remote-meps>
        <cfm-remote-mep>
          <cfm-remote-mep-identifier>
            cfm-remote-mep-identifier
          </cfm-remote-mep-identifier>
          <cfm-remote-mep-state>
            cfm-remote-mep-state
          </cfm-remote-mep-state>
          <cfm-remote-mep-mac-address>
            cfm-remote-mep-mac-address
          </cfm-remote-mep-mac-address>
          <cfm-remote-mep-interface>
            cfm-remote-mep-interface
          </cfm-remote-mep-interface>
          <cfm-remote-mep-type>
            cfm-remote-mep-type
          </cfm-remote-mep-type>
          <cfm-remote-mep-db-flush-timer>
            cfm-remote-mep-db-flush-timer
          </cfm-remote-mep-db-flush-timer>
          <cfm-remote-mep-rdi>
            cfm-remote-mep-rdi
          </cfm-remote-mep-rdi>
          <cfm-remote-mep-last-flapped>
            cfm-remote-mep-last-flapped
          </cfm-remote-mep-last-flapped>
          <cfm-remote-mep-port-status-tlv>
            cfm-remote-mep-port-status-tlv
          </cfm-remote-mep-port-status-tlv>
          <cfm-remote-mep-interface-status-tlv>
            cfm-remote-mep-interface-status-tlv
          </cfm-remote-mep-interface-status-tlv>
        </cfm-remote-mep>
      </cfm-interface-remote-meps>
    </cfm-interface-session>
  </cfm-interface-sessions>
</cfm-entry>
</cfm-mep-statistics>
```

### Description

## <cfm-remote-mep>

### Usage

```
<cfm-mep-statistics>
<cfm-entry>
  <cfm-remote-meps>
```



```

<cfm-remote-mep>
  <cfm-remote-mep-identifier>
    cfm-remote-mep-identifier
  </cfm-remote-mep-identifier>
  <cfm-remote-mep-state>
    cfm-remote-mep-state
  </cfm-remote-mep-state>
  <cfm-remote-mep-mac-address>
    cfm-remote-mep-mac-address
  </cfm-remote-mep-mac-address>
  <cfm-remote-mep-interface>
    cfm-remote-mep-interface
  </cfm-remote-mep-interface>
  <cfm-remote-mep-type>
    cfm-remote-mep-type
  </cfm-remote-mep-type>
  <cfm-remote-mep-db-flush-timer>
    cfm-remote-mep-db-flush-timer
  </cfm-remote-mep-db-flush-timer>
  <cfm-remote-mep-rdi>
    cfm-remote-mep-rdi
  </cfm-remote-mep-rdi>
  <cfm-remote-mep-last-flapped>
    cfm-remote-mep-last-flapped
  </cfm-remote-mep-last-flapped>
  <cfm-remote-mep-port-status-tlv>
    cfm-remote-mep-port-status-tlv
  </cfm-remote-mep-port-status-tlv>
  <cfm-remote-mep-interface-status-tlv>
    cfm-remote-mep-interface-status-tlv
  </cfm-remote-mep-interface-status-tlv>
</cfm-remote-mep>
</cfm-remote-meps>
</cfm-entry>
</cfm-mep-statistics>

```

## Description

### <cfm-remote-mep>

#### Usage

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-interface-sessions>
      <cfm-interface-session>
        <cfm-interface-remote-meps>
          <cfm-remote-mep>
            <cfm-remote-mep-identifier>
              cfm-remote-mep-identifier
            </cfm-remote-mep-identifier>
            <cfm-remote-mep-state>
              cfm-remote-mep-state
            </cfm-remote-mep-state>
            <cfm-remote-mep-mac-address>
              cfm-remote-mep-mac-address

```

```
</cfm-remote-mep-mac-address>
<cfm-remote-mep-interface>
  cfm-remote-mep-interface
</cfm-remote-mep-interface>
<cfm-remote-mep-type>
  cfm-remote-mep-type
</cfm-remote-mep-type>
<cfm-remote-mep-db-flush-timer>
  cfm-remote-mep-db-flush-timer
</cfm-remote-mep-db-flush-timer>
<cfm-remote-mep-rdi>
  cfm-remote-mep-rdi
</cfm-remote-mep-rdi>
<cfm-remote-mep-last-flapped>
  cfm-remote-mep-last-flapped
</cfm-remote-mep-last-flapped>
<cfm-remote-mep-port-status-tlv>
  cfm-remote-mep-port-status-tlv
</cfm-remote-mep-port-status-tlv>
<cfm-remote-mep-interface-status-tlv>
  cfm-remote-mep-interface-status-tlv
</cfm-remote-mep-interface-status-tlv>
</cfm-remote-mep>
</cfm-interface-remote-meps>
</cfm-interface-session>
</cfm-interface-sessions>
</cfm-entry>
</cfm-delay-statistics>
```

## Description

### <cfm-remote-mep>

#### Usage

```
<cfm-delay-statistics>
<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep>
      <cfm-remote-mep-identifier>
        cfm-remote-mep-identifier
      </cfm-remote-mep-identifier>
      <cfm-remote-mep-state>
        cfm-remote-mep-state
      </cfm-remote-mep-state>
      <cfm-remote-mep-mac-address>
        cfm-remote-mep-mac-address
      </cfm-remote-mep-mac-address>
      <cfm-remote-mep-interface>
        cfm-remote-mep-interface
      </cfm-remote-mep-interface>
      <cfm-remote-mep-type>
        cfm-remote-mep-type
      </cfm-remote-mep-type>
      <cfm-remote-mep-db-flush-timer>
        cfm-remote-mep-db-flush-timer
```

```

</cfm-remote-mep-db-flush-timer>
<cfm-remote-mep-rdi>
  cfm-remote-mep-rdi
</cfm-remote-mep-rdi>
<cfm-remote-mep-last-flapped>
  cfm-remote-mep-last-flapped
</cfm-remote-mep-last-flapped>
<cfm-remote-mep-port-status-tlv>
  cfm-remote-mep-port-status-tlv
</cfm-remote-mep-port-status-tlv>
<cfm-remote-mep-interface-status-tlv>
  cfm-remote-mep-interface-status-tlv
</cfm-remote-mep-interface-status-tlv>
</cfm-remote-mep>
</cfm-remote-meps>
</cfm-entry>
</cfm-delay-statistics>

```

#### Description

### <cfm-remote-mep-ap>

#### Usage

```

<cfm-entry>
<cfm-remote-meps>
<cfm-remote-mep-ap>
  <cfm-action-profile-name>
    cfm-action-profile-name
  </cfm-action-profile-name>
  <cfm-ap-last-event>
    cfm-ap-last-event
  </cfm-ap-last-event>
  <cfm-ap-action-name>
    cfm-ap-action-name
  </cfm-ap-action-name>
  <cfm-ap-action-time>
    cfm-ap-action-time
  </cfm-ap-action-time>
  <cfm-ap-last-event-cleared-time>
    cfm-ap-last-event-cleared-time
  </cfm-ap-last-event-cleared-time>
</cfm-remote-mep-ap>
</cfm-remote-meps>
</cfm-entry>

```

#### Description

### <cfm-remote-mep-ap>

#### Usage

```

<cfm-interface>
<cfm-entry>
<cfm-remote-meps>
  <cfm-remote-mep-ap>

```

```
<cfm-action-profile-name>
  cfm-action-profile-name
</cfm-action-profile-name>
<cfm-ap-last-event>
  cfm-ap-last-event
</cfm-ap-last-event>
<cfm-ap-action-name>
  cfm-ap-action-name
</cfm-ap-action-name>
<cfm-ap-action-time>
  cfm-ap-action-time
</cfm-ap-action-time>
<cfm-ap-last-event-cleared-time>
  cfm-ap-last-event-cleared-time
</cfm-ap-last-event-cleared-time>
</cfm-remote-mep-ap>
</cfm-remote-meps>
</cfm-entry>
</cfm-interface>
```

#### Description

### <cfm-remote-mep-ap>

#### Usage

```
<cfm-mep-database>
<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep-ap>
      <cfm-action-profile-name>
        cfm-action-profile-name
      </cfm-action-profile-name>
      <cfm-ap-last-event>
        cfm-ap-last-event
      </cfm-ap-last-event>
      <cfm-ap-action-name>
        cfm-ap-action-name
      </cfm-ap-action-name>
      <cfm-ap-action-time>
        cfm-ap-action-time
      </cfm-ap-action-time>
      <cfm-ap-last-event-cleared-time>
        cfm-ap-last-event-cleared-time
      </cfm-ap-last-event-cleared-time>
    </cfm-remote-mep-ap>
  </cfm-remote-meps>
</cfm-entry>
</cfm-mep-database>
```

#### Description

## <cfm-remote-mep-ap>

### Usage

```

<cfm-mep-statistics>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep-ap>
        <cfm-action-profile-name>
          cfm-action-profile-name
        </cfm-action-profile-name>
        <cfm-ap-last-event>
          cfm-ap-last-event
        </cfm-ap-last-event>
        <cfm-ap-action-name>
          cfm-ap-action-name
        </cfm-ap-action-name>
        <cfm-ap-action-time>
          cfm-ap-action-time
        </cfm-ap-action-time>
        <cfm-ap-last-event-cleared-time>
          cfm-ap-last-event-cleared-time
        </cfm-ap-last-event-cleared-time>
      </cfm-remote-mep-ap>
    </cfm-remote-meps>
  </cfm-entry>
</cfm-mep-statistics>

```

### Description

## <cfm-remote-mep-ap>

### Usage

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep-ap>
        <cfm-action-profile-name>
          cfm-action-profile-name
        </cfm-action-profile-name>
        <cfm-ap-last-event>
          cfm-ap-last-event
        </cfm-ap-last-event>
        <cfm-ap-action-name>
          cfm-ap-action-name
        </cfm-ap-action-name>
        <cfm-ap-action-time>
          cfm-ap-action-time
        </cfm-ap-action-time>
        <cfm-ap-last-event-cleared-time>
          cfm-ap-last-event-cleared-time
        </cfm-ap-last-event-cleared-time>
      </cfm-remote-mep-ap>
    </cfm-remote-meps>
  </cfm-entry>

```

```
</cfm-delay-statistics>
```

#### Description

### <cfm-remote-mep-brief-summary>

#### Usage

```
<cfm-entry>
  <cfm-remote-mep-brief-summary>
    <cfm-remote-mep-identifier>
      cfm-remote-mep-identifier
    </cfm-remote-mep-identifier>
    <cfm-remote-mep-mac-address>
      cfm-remote-mep-mac-address
    </cfm-remote-mep-mac-address>
  </cfm-remote-mep-brief-summary>
</cfm-entry>
```

#### Description

### <cfm-remote-mep-brief-summary>

#### Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-remote-mep-brief-summary>
      <cfm-remote-mep-identifier>
        cfm-remote-mep-identifier
      </cfm-remote-mep-identifier>
      <cfm-remote-mep-mac-address>
        cfm-remote-mep-mac-address
      </cfm-remote-mep-mac-address>
    </cfm-remote-mep-brief-summary>
  </cfm-entry>
</cfm-interface>
```

#### Description

### <cfm-remote-mep-brief-summary>

#### Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-remote-mep-brief-summary>
      <cfm-remote-mep-identifier>
        cfm-remote-mep-identifier
      </cfm-remote-mep-identifier>
      <cfm-remote-mep-mac-address>
        cfm-remote-mep-mac-address
      </cfm-remote-mep-mac-address>
    </cfm-remote-mep-brief-summary>
  </cfm-entry>
```

```
</cfm-mep-database>
```

#### Description

### <cfm-remote-mep-brief-summary>

#### Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-remote-mep-brief-summary>
      <cfm-remote-mep-identifier>
        cfm-remote-mep-identifier
      </cfm-remote-mep-identifier>
      <cfm-remote-mep-mac-address>
        cfm-remote-mep-mac-address
      </cfm-remote-mep-mac-address>
    </cfm-remote-mep-brief-summary>
  </cfm-entry>
</cfm-mep-statistics>
```

#### Description

### <cfm-remote-mep-brief-summary>

#### Usage

```
<cfm-delay-statistics>
  <cfm-entry>
    <cfm-remote-mep-brief-summary>
      <cfm-remote-mep-identifier>
        cfm-remote-mep-identifier
      </cfm-remote-mep-identifier>
      <cfm-remote-mep-mac-address>
        cfm-remote-mep-mac-address
      </cfm-remote-mep-mac-address>
    </cfm-remote-mep-brief-summary>
  </cfm-entry>
</cfm-delay-statistics>
```

#### Description

### <cfm-remote-meps>

#### Usage

```
<cfm-entry>
  <cfm-remote-meps>
    <cfm-remote-mep-count>
      cfm-remote-mep-count
    </cfm-remote-mep-count>
    <cfm-remote-mep>....</cfm-remote-mep>
    <cfm-remote-mep-ap>....</cfm-remote-mep-ap>
  </cfm-remote-meps>
</cfm-entry>
```

## Description

## &lt;cfm-remote-meps&gt;

## Usage

```
<cfm-interface>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep-count>
        cfm-remote-mep-count
      </cfm-remote-mep-count>
      <cfm-remote-mep>....</cfm-remote-mep>
      <cfm-remote-mep-ap>....</cfm-remote-mep-ap>
    </cfm-remote-meps>
  </cfm-entry>
</cfm-interface>
```

## Description

## &lt;cfm-remote-meps&gt;

## Usage

```
<cfm-mep-database>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep-count>
        cfm-remote-mep-count
      </cfm-remote-mep-count>
      <cfm-remote-mep>....</cfm-remote-mep>
      <cfm-remote-mep-ap>....</cfm-remote-mep-ap>
    </cfm-remote-meps>
  </cfm-entry>
</cfm-mep-database>
```

## Description

## &lt;cfm-remote-meps&gt;

## Usage

```
<cfm-mep-statistics>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep-count>
        cfm-remote-mep-count
      </cfm-remote-mep-count>
      <cfm-remote-mep>....</cfm-remote-mep>
      <cfm-remote-mep-ap>....</cfm-remote-mep-ap>
    </cfm-remote-meps>
  </cfm-entry>
</cfm-mep-statistics>
```

## Description



## <cfm-remote-meps>

### Usage

```

<cfm-delay-statistics>
  <cfm-entry>
    <cfm-remote-meps>
      <cfm-remote-mep-count>
        cfm-remote-mep-count
      </cfm-remote-mep-count>
      <cfm-remote-mep>....</cfm-remote-mep>
      <cfm-remote-mep-ap>....</cfm-remote-mep-ap>
    </cfm-remote-meps>
  </cfm-entry>
</cfm-delay-statistics>

```

### Description

## <cfm-route-information>

### Usage

```

<cfm-route-information>
  <cfm-route-prefix>
    cfm-route-prefix
  </cfm-route-prefix>
  <cfm-nexthop-index>
    cfm-nexthop-index
  </cfm-nexthop-index>
  <cfm-route-last-operation>
    cfm-route-last-operation
  </cfm-route-last-operation>
  <cfm-route-last-error>
    cfm-route-last-error
  </cfm-route-last-error>
  <cfm-route-statistics>
    cfm-route-statistics
  </cfm-route-statistics>
  <cfm-level>
    cfm-level
  </cfm-level>
  <cfm-route-table-index>
    cfm-route-table-index
  </cfm-route-table-index>
  <cfm-route-owner>
    cfm-route-owner
  </cfm-route-owner>
  <cfm-flood-nexthop-components>....</cfm-flood-nexthop-components>
</cfm-route-information>

```

### Description

## <cfm-route-maintenance-domain-level>

### Usage

```
<cfm-route-maintenance-domain-level>
  <cfm-level>
    cfm-level
  </cfm-level>
  <cfm-local-mep-direction>
    cfm-local-mep-direction
  </cfm-local-mep-direction>
  <cfm-transmit-route-prefix>
    cfm-transmit-route-prefix
  </cfm-transmit-route-prefix>
  <cfm-nexthop-index>
    cfm-nexthop-index
  </cfm-nexthop-index>
  <cfm-flood-nexthop-components>....</cfm-flood-nexthop-components>
</cfm-route-maintenance-domain-level>
```

### Description

## <cfm-route-maintenance-domain-level>

### Usage

```
<cfm-transmit-interface-information>
  <cfm-route-maintenance-domain-level>
    <cfm-level>
      cfm-level
    </cfm-level>
    <cfm-local-mep-direction>
      cfm-local-mep-direction
    </cfm-local-mep-direction>
    <cfm-transmit-route-prefix>
      cfm-transmit-route-prefix
    </cfm-transmit-route-prefix>
    <cfm-nexthop-index>
      cfm-nexthop-index
    </cfm-nexthop-index>
    <cfm-flood-nexthop-components>....</cfm-flood-nexthop-components>
  </cfm-route-maintenance-domain-level>
</cfm-transmit-interface-information>
```

### Description

## <cfm-route-socket-message-counters>

### Usage

```
<cfm-route-socket-message-counters>
  <cfm-route-socket-message-type>
    cfm-route-socket-message-type
  </cfm-route-socket-message-type>
  <cfm-route-socket-message-add>
    cfm-route-socket-message-add
```

```

</cfm-route-socket-message-add>
<cfm-route-socket-message-change>
  cfm-route-socket-message-change
</cfm-route-socket-message-change>
<cfm-route-socket-message-delete>
  cfm-route-socket-message-delete
</cfm-route-socket-message-delete>
</cfm-route-socket-message-counters>

```

## Description

### <cfm-route-socket-message-counters>

#### Usage

```

<cfm-counters-route-socket-operations>
  <cfm-route-socket-message-counters>
    <cfm-route-socket-message-type>
      cfm-route-socket-message-type
    </cfm-route-socket-message-type>
    <cfm-route-socket-message-add>
      cfm-route-socket-message-add
    </cfm-route-socket-message-add>
    <cfm-route-socket-message-change>
      cfm-route-socket-message-change
    </cfm-route-socket-message-change>
    <cfm-route-socket-message-delete>
      cfm-route-socket-message-delete
    </cfm-route-socket-message-delete>
  </cfm-route-socket-message-counters>
</cfm-counters-route-socket-operations>

```

## Description

### <cfm-route-socket-message-counters>

#### Usage

```

<cfm-counters-route-socket-received>
  <cfm-route-socket-message-counters>
    <cfm-route-socket-message-type>
      cfm-route-socket-message-type
    </cfm-route-socket-message-type>
    <cfm-route-socket-message-add>
      cfm-route-socket-message-add
    </cfm-route-socket-message-add>
    <cfm-route-socket-message-change>
      cfm-route-socket-message-change
    </cfm-route-socket-message-change>
    <cfm-route-socket-message-delete>
      cfm-route-socket-message-delete
    </cfm-route-socket-message-delete>
  </cfm-route-socket-message-counters>
</cfm-counters-route-socket-received>

```

## Description

## &lt;cfm-route-table&gt;

## Usage

```
<cfm-route-table>
  <cfm-route-table-entry>....</cfm-route-table-entry>
</cfm-route-table>
```

## Description

## &lt;cfm-route-table-entry&gt;

## Usage

```
<cfm-route-table>
  <cfm-route-table-entry>
    <cfm-route-vlan-name>
      cfm-route-vlan-name
    </cfm-route-vlan-name>
    <cfm-route-mac-name>
      cfm-route-mac-name
    </cfm-route-mac-name>
    <cfm-route-nh-index>
      cfm-route-nh-index
    </cfm-route-nh-index>
    <cfm-route-action>
      cfm-route-action
    </cfm-route-action>
  </cfm-route-table-entry>
</cfm-route-table>
```

## Description

## &lt;cfm-transmit-interface-information&gt;

## Usage

```
<cfm-transmit-interface-information>
  <cfm-interface-name>
    cfm-interface-name
  </cfm-interface-name>
  <cfm-instance-name>
    cfm-instance-name
  </cfm-instance-name>

  <cfm-route-maintenance-domain-level>....</cfm-route-maintenance-domain-level>
</cfm-transmit-interface-information>
```

## Description

## &lt;cfmd-internal-state&gt;

## Usage

```
<cfmd-internal-state>
```

```
<cfm-session-count>
  cfm-session-count
</cfm-session-count>
<cfm-session-created-count>
  cfm-session-created-count
</cfm-session-created-count>
<cfm-session-deleted-count>
  cfm-session-deleted-count
</cfm-session-deleted-count>
<cfm-session-freed-count>
  cfm-session-freed-count
</cfm-session-freed-count>
<cfm-token-based-forwarding>
  cfm-token-based-forwarding
</cfm-token-based-forwarding>
<cfm-forwarding-table-filtering-simulation>
  cfm-forwarding-table-filtering-simulation
</cfm-forwarding-table-filtering-simulation>
<cfm-hardware-assist-flooding>
  cfm-hardware-assist-flooding
</cfm-hardware-assist-flooding>
<cfm-gres-flood-resynchronization>
  cfm-gres-flood-resynchronization
</cfm-gres-flood-resynchronization>
<cfm-shared-interface-filters>
  cfm-shared-interface-filters
</cfm-shared-interface-filters>
<cfm-ppmd-connection-state>
  cfm-ppmd-connection-state
</cfm-ppmd-connection-state>
<cfm-ppmd-flow-state>
  cfm-ppmd-flow-state
</cfm-ppmd-flow-state>
<cfm-ppmd-job-state>
  cfm-ppmd-job-state
</cfm-ppmd-job-state>
<cfm-ppmd-blocked-count>
  cfm-ppmd-blocked-count
</cfm-ppmd-blocked-count>
<cfm-dfwd-connection-state>
  cfm-dfwd-connection-state
</cfm-dfwd-connection-state>
<cfm-dfwd-reconnect-count>
  cfm-dfwd-reconnect-count
</cfm-dfwd-reconnect-count>
<cfm-dfwd-requests-sent>
  cfm-dfwd-requests-sent
</cfm-dfwd-requests-sent>
<cfm-dfwd-requests-accepted>
  cfm-dfwd-requests-accepted
</cfm-dfwd-requests-accepted>
<cfm-dfwd-requests-rejected>
  cfm-dfwd-requests-rejected
</cfm-dfwd-requests-rejected>
<cfm-dfwd-requests-lost>
  cfm-dfwd-requests-lost
```

```
</cfm-dfwd-requests-lost>
<cfm-dfwd-pending-transactions>....</cfm-dfwd-pending-transactions>
</cfmd-internal-state>
```

#### Description

### Summary of Chassis Response Tags

---

#### <ac-input-detail>

##### Usage

```
<power-usage-information>
<power-usage-item>
  <ac-input-detail>
    <ac-input>
      ac-input
    </ac-input>
    <ac-expect-feed>
      ac-expect-feed
    </ac-expect-feed>
    <ac-actual-feed>
      ac-actual-feed
    </ac-actual-feed>
  </ac-input-detail>
</power-usage-item>
</power-usage-information>
```

#### Description

#### <airflow-direction>

##### Usage

```
<environment-component-information>
<environment-component-item>
  <airflow-direction>
    <airflow>
      airflow
    </airflow>
    <direction>
      direction
    </direction>
  </airflow-direction>
</environment-component-item>
</environment-component-information>
```

#### Description

#### <chassis>

##### Usage

```
<chassis-inventory>
<chassis>
  <hardware-incomplete>
```

```

    hardware-incomplete
  </hardware-incomplete>
  <name>
    name
  </name>
  <version>
    version
  </version>
  <part-number>
    part-number
  </part-number>
  <serial-number>
    serial-number
  </serial-number>
  <model-number>
    model-number
  </model-number>
  <clei-code>
    clei-code
  </clei-code>
  <description>
    description
  </description>
  <i2c-information>....</i2c-information>
  <chassis-module>....</chassis-module>
</chassis>
</chassis-inventory>

```

**Description** Hardware inventory of this chassis

## <chassis>

### Usage

```

<firmware-information>
<chassis>
  <hardware-incomplete>
    hardware-incomplete
  </hardware-incomplete>
  <name>
    name
  </name>
  <version>
    version
  </version>
  <part-number>
    part-number
  </part-number>
  <serial-number>
    serial-number
  </serial-number>
  <model-number>
    model-number
  </model-number>
  <clei-code>

```

```
    clei-code
  </clei-code>
  <description>
    description
  </description>
  <i2c-information>....</i2c-information>
  <chassis-module>....</chassis-module>
</chassis>
</firmware-information>
```

**Description** Hardware inventory of this chassis

## <chassis>

### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
  <chassis-inventory>
    <chassis>
      <hardware-incomplete>
        hardware-incomplete
      </hardware-incomplete>
      <name>
        name
      </name>
      <version>
        version
      </version>
      <part-number>
        part-number
      </part-number>
      <serial-number>
        serial-number
      </serial-number>
      <model-number>
        model-number
      </model-number>
      <clei-code>
        clei-code
      </clei-code>
      <description>
        description
      </description>
      <i2c-information>....</i2c-information>
      <chassis-module>....</chassis-module>
    </chassis>
  </chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description** Hardware inventory of this chassis



**<chassis>****Usage**

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <firmware-information>
      <chassis>
        <hardware-incomplete>
          hardware-incomplete
        </hardware-incomplete>
        <name>
          name
        </name>
        <version>
          version
        </version>
        <part-number>
          part-number
        </part-number>
        <serial-number>
          serial-number
        </serial-number>
        <model-number>
          model-number
        </model-number>
        <clei-code>
          clei-code
        </clei-code>
        <description>
          description
        </description>
        <i2c-information>....</i2c-information>
        <chassis-module>....</chassis-module>
      </chassis>
    </firmware-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description** Hardware inventory of this chassis

**<chassis-beacon-information>****Usage**

```

<chassis-beacon-information>
  <chassis-beacon-item>....</chassis-beacon-item>
</chassis-beacon-information>

```

**Description** Beacon states for chassis

## <chassis-beacon-item>

### Usage

```
<chassis-beacon-information>
  <chassis-beacon-item>
    <beacon-name>
      beacon-name
    </beacon-name>
    <beacon-state>
      beacon-state
    </beacon-state>
  </chassis-beacon-item>
</chassis-beacon-information>
```

### Description

## <chassis-inventory>

### Usage

```
<chassis-inventory>
  <chassis>....</chassis>
</chassis-inventory>
```

### Description

## <chassis-inventory>

### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassis-inventory>
      <chassis>....</chassis>
    </chassis-inventory>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

### Description

## <chassis-location>

### Usage

```
<chassis-location>
  <chassis-location-information>....</chassis-location-information>
</chassis-location>
```

### Description

## <chassis-location-fpc>

### Usage

```
<chassis-location-fpc>
  <chassis-location-fpc-information>....</chassis-location-fpc-information>
```

</chassis-location-fpc>

#### Description

<chassis-location-fpc-information>

#### Usage

```
<chassis-location-fpc-information>
  <global-fpc-number>
    global-fpc-number
  </global-fpc-number>
  <lcc-number>
    lcc-number
  </lcc-number>
  <local-fpc-number>
    local-fpc-number
  </local-fpc-number>
</chassis-location-fpc-information>
```

#### Description

<chassis-location-fpc-information>

#### Usage

```
<chassis-location-fpc>
  <chassis-location-fpc-information>
    <global-fpc-number>
      global-fpc-number
    </global-fpc-number>
    <lcc-number>
      lcc-number
    </lcc-number>
    <local-fpc-number>
      local-fpc-number
    </local-fpc-number>
  </chassis-location-fpc-information>
</chassis-location-fpc>
```

#### Description

<chassis-location-information>

#### Usage

```
<chassis-location-information>
  <country-code>
    country-code
  </country-code>
  <postal-code>
    postal-code
  </postal-code>
  <npa-nxx>
    npa-nxx
  </npa-nxx>
```

```
<latitude>
  latitude
</latitude>
<longitude>
  longitude
</longitude>
<altitude>
  altitude
</altitude>
<lata>
  lata
</lata>
<vcoord>
  vcoord
</vcoord>
<hcoord>
  hcoord
</hcoord>
<building>
  building
</building>
<floor>
  floor
</floor>
<rack>
  rack
</rack>
</chassis-location-information>
```

## Description

### <chassis-location-information>

#### Usage

```
<chassis-location>
  <chassis-location-information>
    <country-code>
      country-code
    </country-code>
    <postal-code>
      postal-code
    </postal-code>
    <npa-nxx>
      npa-nxx
    </npa-nxx>
    <latitude>
      latitude
    </latitude>
    <longitude>
      longitude
    </longitude>
    <altitude>
      altitude
    </altitude>
    <lata>
```

```

    lata
  </lata>
  <vcoord>
    vcoord
  </vcoord>
  <hcoord>
    hcoord
  </hcoord>
  <building>
    building
  </building>
  <floor>
    floor
  </floor>
  <rack>
    rack
  </rack>
</chassis-location-information>
</chassis-location>

```

## Description

### <chassis-location-information>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassis-location-information>
      <country-code>
        country-code
      </country-code>
      <postal-code>
        postal-code
      </postal-code>
      <npa-nxx>
        npa-nxx
      </npa-nxx>
      <latitude>
        latitude
      </latitude>
      <longitude>
        longitude
      </longitude>
      <altitude>
        altitude
      </altitude>
      <lata>
        lata
      </lata>
      <vcoord>
        vcoord
      </vcoord>
      <hcoord>
        hcoord
      </hcoord>
    </chassis-location-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

```
<building>
  building
</building>
<floor>
  floor
</floor>
<rack>
  rack
</rack>
</chassis-location-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <chassis-mac-information>

#### Usage

```
<chassis-mac-information>
  <fpc-mac-information>....</fpc-mac-information>
</chassis-mac-information>
```

#### Description

### <chassis-module>

#### Usage

```
<chassis-inventory>
  <chassis>
    <chassis-module>
      <name>
        name
      </name>
      <version>
        version
      </version>
      <part-number>
        part-number
      </part-number>
      <serial-number>
        serial-number
      </serial-number>
      <model-number>
        model-number
      </model-number>
      <clei-code>
        clei-code
      </clei-code>
      <description>
        description
      </description>
      <i2c-information>....</i2c-information>
      <firmware>....</firmware>
      <chassis-sub-module>....</chassis-sub-module>
```

```

    <chassis-re-disk-module>....</chassis-re-disk-module>
    <chassis-re-usb-module>....</chassis-re-usb-module>
    <chassis-re-dimm-module>....</chassis-re-dimm-module>
  </chassis-module>
</chassis>
</chassis-inventory>

```

#### Description

#### <chassis-module>

#### Usage

```

<firmware-information>
<chassis>
  <chassis-module>
    <name>
      name
    </name>
    <version>
      version
    </version>
    <part-number>
      part-number
    </part-number>
    <serial-number>
      serial-number
    </serial-number>
    <model-number>
      model-number
    </model-number>
    <clei-code>
      clei-code
    </clei-code>
    <description>
      description
    </description>
    <i2c-information>....</i2c-information>
    <firmware>....</firmware>
    <chassis-sub-module>....</chassis-sub-module>
    <chassis-re-disk-module>....</chassis-re-disk-module>
    <chassis-re-usb-module>....</chassis-re-usb-module>
    <chassis-re-dimm-module>....</chassis-re-dimm-module>
  </chassis-module>
</chassis>
</firmware-information>

```

#### Description

#### <chassis-module>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassis-inventory>

```

```
<chassis>
  <chassis-module>
    <name>
      name
    </name>
    <version>
      version
    </version>
    <part-number>
      part-number
    </part-number>
    <serial-number>
      serial-number
    </serial-number>
    <model-number>
      model-number
    </model-number>
    <clei-code>
      clei-code
    </clei-code>
    <description>
      description
    </description>
    <i2c-information>....</i2c-information>
    <firmware>....</firmware>
    <chassis-sub-module>....</chassis-sub-module>
    <chassis-re-disk-module>....</chassis-re-disk-module>
    <chassis-re-usb-module>....</chassis-re-usb-module>
    <chassis-re-dimm-module>....</chassis-re-dimm-module>
  </chassis-module>
</chassis>
</chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

### <chassis-module>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <firmware-information>
      <chassis>
        <chassis-module>
          <name>
            name
          </name>
          <version>
            version
          </version>
          <part-number>
            part-number
          </part-number>
          <serial-number>
```



```

    serial-number
  </serial-number>
  <model-number>
    model-number
  </model-number>
  <clei-code>
    clei-code
  </clei-code>
  <description>
    description
  </description>
  <i2c-information>....</i2c-information>
  <firmware>....</firmware>
  <chassis-sub-module>....</chassis-sub-module>
  <chassis-re-disk-module>....</chassis-re-disk-module>
  <chassis-re-usb-module>....</chassis-re-usb-module>
  <chassis-re-dimm-module>....</chassis-re-dimm-module>
</chassis-module>
</chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

#### <chassis-module-sub-sub-version>

##### Usage

```

<hardware-version-information>
  <chassis-version>
    <chassis-module-version>
      <chassis-module-sub-version>
        <chassis-module-sub-sub-version>
          <component-name>
            component-name
          </component-name>
          <component-version>
            component-version
          </component-version>
        </chassis-module-sub-sub-version>
      </chassis-module-sub-version>
    </chassis-module-version>
  </chassis-version>
</hardware-version-information>

```

#### Description

#### <chassis-module-sub-version>

##### Usage

```

<hardware-version-information>
  <chassis-version>
    <chassis-module-version>
      <chassis-module-sub-version>

```

```
<component-name>
  component-name
</component-name>
<component-version>
  component-version
</component-version>
<chassis-module-sub-sub-version>....</chassis-module-sub-sub-version>
</chassis-module-sub-version>
</chassis-module-version>
</chassis-version>
</hardware-version-information>
```

#### Description

### <chassis-module-version>

#### Usage

```
<hardware-version-information>
<chassis-version>
<chassis-module-version>
  <component-name>
    component-name
  </component-name>
  <component-version>
    component-version
  </component-version>
  <chassis-module-sub-version>....</chassis-module-sub-version>
</chassis-module-version>
</chassis-version>
</hardware-version-information>
```

#### Description

### <chassis-re-dimm-module>

#### Usage

```
<chassis-inventory>
<chassis>
  <chassis-module>
    <chassis-re-dimm-module>
      <name>
        name
      </name>
      <part-number>
        part-number
      </part-number>
      <die-rev>
        die-rev
      </die-rev>
      <pcb-rev>
        pcb-rev
      </pcb-rev>
      <mfr-id>
        mfr-id
      </mfr-id>
    </chassis-re-dimm-module>
  </chassis-module>
</chassis>
</chassis-inventory>
```

```
    </mfr-id>
  </chassis-re-dimm-module>
</chassis-module>
</chassis>
</chassis-inventory>
```

#### Description

#### <chassis-re-dimm-module>

##### Usage

```
<firmware-information>
  <chassis>
    <chassis-module>
      <chassis-re-dimm-module>
        <name>
          name
        </name>
        <part-number>
          part-number
        </part-number>
        <die-rev>
          die-rev
        </die-rev>
        <pcb-rev>
          pcb-rev
        </pcb-rev>
        <mfr-id>
          mfr-id
        </mfr-id>
      </chassis-re-dimm-module>
    </chassis-module>
  </chassis>
</firmware-information>
```

#### Description

#### <chassis-re-dimm-module>

##### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassis-inventory>
      <chassis>
        <chassis-module>
          <chassis-re-dimm-module>
            <name>
              name
            </name>
            <part-number>
              part-number
            </part-number>
            <die-rev>
              die-rev
            </die-rev>
          </chassis-re-dimm-module>
        </chassis-module>
      </chassis>
    </chassis-inventory>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

```
        </die-rev>
        <pcb-rev>
          pcb-rev
        </pcb-rev>
        <mfr-id>
          mfr-id
        </mfr-id>
      </chassis-re-dimm-module>
    </chassis-module>
  </chassis>
</chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <chassis-re-dimm-module>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <firmware-information>
      <chassis>
        <chassis-module>
          <chassis-re-dimm-module>
            <name>
              name
            </name>
            <part-number>
              part-number
            </part-number>
            <die-rev>
              die-rev
            </die-rev>
            <pcb-rev>
              pcb-rev
            </pcb-rev>
            <mfr-id>
              mfr-id
            </mfr-id>
          </chassis-re-dimm-module>
        </chassis-module>
      </chassis>
    </firmware-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <chassis-re-disk-module>

#### Usage

```
<chassis-inventory>
  <chassis>
```

```

<chassis-module>
  <chassis-re-disk-module>
    <name>
      name
    </name>
    <model>
      model
    </model>
    <serial-number>
      serial-number
    </serial-number>
    <disk-size>
      disk-size
    </disk-size>
    <description>
      description
    </description>
  </chassis-re-disk-module>
</chassis-module>
</chassis>
</chassis-inventory>

```

#### Description

#### <chassis-re-disk-module>

#### Usage

```

<firmware-information>
  <chassis>
    <chassis-module>
      <chassis-re-disk-module>
        <name>
          name
        </name>
        <model>
          model
        </model>
        <serial-number>
          serial-number
        </serial-number>
        <disk-size>
          disk-size
        </disk-size>
        <description>
          description
        </description>
      </chassis-re-disk-module>
    </chassis-module>
  </chassis>
</firmware-information>

```

#### Description

## <chassis-re-disk-module>

### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassis-inventory>
      <chassis>
        <chassis-module>
          <chassis-re-disk-module>
            <name>
              name
            </name>
            <model>
              model
            </model>
            <serial-number>
              serial-number
            </serial-number>
            <disk-size>
              disk-size
            </disk-size>
            <description>
              description
            </description>
          </chassis-re-disk-module>
        </chassis-module>
      </chassis>
    </chassis-inventory>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

### Description

## <chassis-re-disk-module>

### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <firmware-information>
      <chassis>
        <chassis-module>
          <chassis-re-disk-module>
            <name>
              name
            </name>
            <model>
              model
            </model>
            <serial-number>
              serial-number
            </serial-number>
            <disk-size>
              disk-size
            </disk-size>
```

```

        <description>
          description
        </description>
      </chassis-re-disk-module>
    </chassis-module>
  </chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

### Description

#### <chassis-re-usb-module>

##### Usage

```

<chassis-inventory>
  <chassis>
    <chassis-module>
      <chassis-re-usb-module>
        <name>
          name
        </name>
        <product>
          product
        </product>
        <product-number>
          product-number
        </product-number>
        <vendor>
          vendor
        </vendor>
        <description>
          description
        </description>
      </chassis-re-usb-module>
    </chassis-module>
  </chassis>
</chassis-inventory>

```

### Description

#### <chassis-re-usb-module>

##### Usage

```

<firmware-information>
  <chassis>
    <chassis-module>
      <chassis-re-usb-module>
        <name>
          name
        </name>
        <product>
          product
        </product>

```

```
<product-number>
  product-number
</product-number>
<vendor>
  vendor
</vendor>
<description>
  description
</description>
</chassis-re-usb-module>
</chassis-module>
</chassis>
</firmware-information>
```

#### Description

### <chassis-re-usb-module>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<chassis-inventory>
<chassis>
<chassis-module>
<chassis-re-usb-module>
<name>
  name
</name>
<product>
  product
</product>
<product-number>
  product-number
</product-number>
<vendor>
  vendor
</vendor>
<description>
  description
</description>
</chassis-re-usb-module>
</chassis-module>
</chassis>
</chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <chassis-re-usb-module>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
```



```

<firmware-information>
  <chassis>
    <chassis-module>
      <chassis-re-usb-module>
        <name>
          name
        </name>
        <product>
          product
        </product>
        <product-number>
          product-number
        </product-number>
        <vendor>
          vendor
        </vendor>
        <description>
          description
        </description>
      </chassis-re-usb-module>
    </chassis-module>
  </chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

### <chassis-sub-module>

## Usage

```

<chassis-inventory>
  <chassis>
    <chassis-module>
      <chassis-sub-module>
        <name>
          name
        </name>
        <version>
          version
        </version>
        <part-number>
          part-number
        </part-number>
        <serial-number>
          serial-number
        </serial-number>
        <model-number>
          model-number
        </model-number>
        <clei-code>
          clei-code
        </clei-code>
        <description>
          description

```

```
</description>
<i2c-information>....</i2c-information>
<firmware>....</firmware>
<chassis-sub-sub-module>....</chassis-sub-sub-module>
</chassis-sub-module>
</chassis-module>
</chassis>
</chassis-inventory>
```

#### Description

### <chassis-sub-module>

#### Usage

```
<firmware-information>
<chassis>
  <chassis-module>
    <chassis-sub-module>
      <name>
        name
      </name>
      <version>
        version
      </version>
      <part-number>
        part-number
      </part-number>
      <serial-number>
        serial-number
      </serial-number>
      <model-number>
        model-number
      </model-number>
      <clei-code>
        clei-code
      </clei-code>
      <description>
        description
      </description>
      <i2c-information>....</i2c-information>
      <firmware>....</firmware>
      <chassis-sub-sub-module>....</chassis-sub-sub-module>
    </chassis-sub-module>
  </chassis-module>
</chassis>
</firmware-information>
```

#### Description

### <chassis-sub-module>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
```

```

<chassis-inventory>
  <chassis>
    <chassis-module>
      <chassis-sub-module>
        <name>
          name
        </name>
        <version>
          version
        </version>
        <part-number>
          part-number
        </part-number>
        <serial-number>
          serial-number
        </serial-number>
        <model-number>
          model-number
        </model-number>
        <clei-code>
          clei-code
        </clei-code>
        <description>
          description
        </description>
        <i2c-information>....</i2c-information>
        <firmware>....</firmware>
        <chassis-sub-sub-module>....</chassis-sub-sub-module>
      </chassis-sub-module>
    </chassis-module>
  </chassis>
</chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

#### <chassis-sub-module>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <firmware-information>
      <chassis>
        <chassis-module>
          <chassis-sub-module>
            <name>
              name
            </name>
            <version>
              version
            </version>
            <part-number>
              part-number
            </part-number>

```

```
<serial-number>
  serial-number
</serial-number>
<model-number>
  model-number
</model-number>
<clei-code>
  clei-code
</clei-code>
<description>
  description
</description>
<i2c-information>....</i2c-information>
<firmware>....</firmware>
<chassis-sub-sub-module>....</chassis-sub-sub-module>
</chassis-sub-module>
</chassis-module>
</chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

### <chassis-sub-sub-module>

#### Usage

```
<chassis-inventory>
<chassis>
  <chassis-module>
    <chassis-sub-module>
      <chassis-sub-sub-module>
        <name>
          name
        </name>
        <version>
          version
        </version>
        <part-number>
          part-number
        </part-number>
        <serial-number>
          serial-number
        </serial-number>
        <model-number>
          model-number
        </model-number>
        <clei-code>
          clei-code
        </clei-code>
        <description>
          description
        </description>
        <chassis-sub-sub-sub-module>....</chassis-sub-sub-sub-module>
      </chassis-sub-sub-module>
```

```

    </chassis-sub-module>
  </chassis-module>
</chassis>
</chassis-inventory>

```

#### Description

### <chassis-sub-sub-module>

#### Usage

```

<firmware-information>
  <chassis>
    <chassis-module>
      <chassis-sub-module>
        <chassis-sub-sub-module>
          <name>
            name
          </name>
          <version>
            version
          </version>
          <part-number>
            part-number
          </part-number>
          <serial-number>
            serial-number
          </serial-number>
          <model-number>
            model-number
          </model-number>
          <clei-code>
            clei-code
          </clei-code>
          <description>
            description
          </description>
          <chassis-sub-sub-sub-module>....</chassis-sub-sub-sub-module>
        </chassis-sub-sub-module>
      </chassis-sub-module>
    </chassis-module>
  </chassis>
</firmware-information>

```

#### Description

### <chassis-sub-sub-module>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassis-inventory>
      <chassis>
        <chassis-module>
          <chassis-sub-module>

```

```
<chassis-sub-sub-module>
  <name>
    name
  </name>
  <version>
    version
  </version>
  <part-number>
    part-number
  </part-number>
  <serial-number>
    serial-number
  </serial-number>
  <model-number>
    model-number
  </model-number>
  <clei-code>
    clei-code
  </clei-code>
  <description>
    description
  </description>
  <chassis-sub-sub-sub-module>....</chassis-sub-sub-sub-module>
</chassis-sub-sub-module>
</chassis-sub-module>
</chassis-module>
</chassis>
</chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

### <chassis-sub-sub-module>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <firmware-information>
      <chassis>
        <chassis-module>
          <chassis-sub-module>
            <chassis-sub-sub-module>
              <name>
                name
              </name>
              <version>
                version
              </version>
              <part-number>
                part-number
              </part-number>
              <serial-number>
                serial-number
              </serial-number>
```

```

    <model-number>
      model-number
    </model-number>
    <clei-code>
      clei-code
    </clei-code>
    <description>
      description
    </description>
    <chassis-sub-sub-sub-module>....</chassis-sub-sub-sub-module>
  </chassis-sub-sub-module>
</chassis-module>
</chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

### <chassis-sub-sub-sub-module>

#### Usage

```

<chassis-inventory>
  <chassis>
    <chassis-module>
      <chassis-sub-module>
        <chassis-sub-sub-module>
          <chassis-sub-sub-sub-module>
            <name>
              name
            </name>
            <version>
              version
            </version>
            <part-number>
              part-number
            </part-number>
            <serial-number>
              serial-number
            </serial-number>
            <model-number>
              model-number
            </model-number>
            <clei-code>
              clei-code
            </clei-code>
            <description>
              description
            </description>
          </chassis-sub-sub-sub-module>
        </chassis-sub-sub-module>
      </chassis-sub-module>
    </chassis-module>
  </chassis>

```

</chassis-inventory>

#### Description

### <chassis-sub-sub-sub-module>

#### Usage

```
<firmware-information>
<chassis>
  <chassis-module>
    <chassis-sub-module>
      <chassis-sub-sub-module>
        <chassis-sub-sub-sub-module>
          <name>
            name
          </name>
          <version>
            version
          </version>
          <part-number>
            part-number
          </part-number>
          <serial-number>
            serial-number
          </serial-number>
          <model-number>
            model-number
          </model-number>
          <clei-code>
            clei-code
          </clei-code>
          <description>
            description
          </description>
        </chassis-sub-sub-sub-module>
      </chassis-sub-sub-module>
    </chassis-sub-module>
  </chassis-module>
</chassis>
</firmware-information>
```

#### Description

### <chassis-sub-sub-sub-module>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<chassis-inventory>
  <chassis>
    <chassis-module>
      <chassis-sub-module>
        <chassis-sub-sub-module>
          <chassis-sub-sub-sub-module>
```



```

    <name>
      name
    </name>
    <version>
      version
    </version>
    <part-number>
      part-number
    </part-number>
    <serial-number>
      serial-number
    </serial-number>
    <model-number>
      model-number
    </model-number>
    <clei-code>
      clei-code
    </clei-code>
    <description>
      description
    </description>
  </chassis-sub-sub-sub-module>
</chassis-sub-sub-module>
</chassis-module>
</chassis>
</chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

### <chassis-sub-sub-sub-module>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <firmware-information>
      <chassis>
        <chassis-module>
          <chassis-sub-module>
            <chassis-sub-sub-module>
              <chassis-sub-sub-sub-module>
                <name>
                  name
                </name>
                <version>
                  version
                </version>
                <part-number>
                  part-number
                </part-number>
                <serial-number>
                  serial-number
                </serial-number>
              
```

```
<model-number>
  model-number
</model-number>
<clei-code>
  clei-code
</clei-code>
<description>
  description
</description>
</chassis-sub-sub-sub-module>
</chassis-sub-sub-module>
</chassis-sub-module>
</chassis-module>
</chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <chassis-version>

#### Usage

```
<hardware-version-information>
  <chassis-version>
    <component-name>
      component-name
    </component-name>
    <component-version>
      component-version
    </component-version>
    <chassis-module-version>....</chassis-module-version>
  </chassis-version>
</hardware-version-information>
```

#### Description

### <chassis-zones-information>

#### Usage

```
<chassis-zones-information>
  <name>
    name
  </name>
  <temperature>
    temperature
  </temperature>
  <zone-status>
    zone-status
  </zone-status>
  <comment>
    comment
  </comment>
  <fan-missing-cnt>
```

```

    fan-missing-cnt
  </fan-missing-cnt>
  <fan-failed-cnt>
    fan-failed-cnt
  </fan-failed-cnt>
  <fan-dutycycle>
    fan-dutycycle
  </fan-dutycycle>
  <fru-name>
    fru-name
  </fru-name>
  <cooling-fru-name>
    cooling-fru-name
  </cooling-fru-name>
  <fru-temp-status>
    fru-temp-status
  </fru-temp-status>
  <fru-fan-status>
    fru-fan-status
  </fru-fan-status>
  <fru-status>
    fru-status
  </fru-status>
  <fru-temperature>
    fru-temperature
  </fru-temperature>
  <fru-comment>
    fru-comment
  </fru-comment>
  <cooled-frus>....</cooled-frus>
  <cooling-frus>....</cooling-frus>
</chassis-zones-information>

```

**Description** Show chassis cooling zones

### <chassisd-database-memory-usage>

#### Usage

```

<chassisd-database-memory-usage>
  <database-memory-usage>....</database-memory-usage>
</chassisd-database-memory-usage>

```

#### Description

### <chassisd-database-memory-usage>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassisd-database-memory-usage>
      <database-memory-usage>....</database-memory-usage>
    </chassisd-database-memory-usage>
  </multi-routing-engine-item>

```

</multi-routing-engine-results>

#### Description

### <clock-synchronization>

#### Usage

```
<clock-synchronization-information>
  <clock-synchronization>
    <clock-fru>
      clock-fru
    </clock-fru>
    <mastership-state>
      mastership-state
    </mastership-state>
    <signal-type>
      signal-type
    </signal-type>
    <switching-mode>
      switching-mode
    </switching-mode>
    <line-termination>
      line-termination
    </line-termination>
    <transmit>
      transmit
    </transmit>
    <validation-interval>
      validation-interval
    </validation-interval>
    <automatic-switching>
      automatic-switching
    </automatic-switching>
    <marked-as-failed-source-list>....</marked-as-failed-source-list>
    <synchronization-source-list>....</synchronization-source-list>
  </clock-synchronization>
</clock-synchronization-information>
```

#### Description

### <clock-synchronization-information>

#### Usage

```
<clock-synchronization-information>
  <clock-synchronization>....</clock-synchronization>
</clock-synchronization-information>
```

#### Description

### <configured-source>

#### Usage

```
<clock-synchronization-information>
```

```

<clock-synchronization>
  <synchronization-source-list>
    <configured-source-list>
      <configured-source>
        <source-priority>
          source-priority
        </source-priority>
        <source-name>
          source-name
        </source-name>
        <deviation>
          deviation
        </deviation>
        <last-deviation>
          last-deviation
        </last-deviation>
        <status>
          status
        </status>
      </configured-source>
    </configured-source-list>
  </synchronization-source-list>
</clock-synchronization>
</clock-synchronization-information>

```

#### Description

#### <configured-source-list>

#### Usage

```

<clock-synchronization-information>
  <clock-synchronization>
    <synchronization-source-list>
      <configured-source-list>
        <configured-source>....</configured-source>
      </configured-source-list>
    </synchronization-source-list>
  </clock-synchronization>
</clock-synchronization-information>

```

#### Description

#### <controller-information>

#### Usage

```

<poe>
  <controller-information>
    <controller-number>
      controller-number
    </controller-number>
    <controller-firmware-available>
      controller-firmware-available
    </controller-firmware-available>
    <controller-maxpower>

```

```

        controller-maxpower
      </controller-maxpower>
    <controller-power>
      controller-power
    </controller-power>
    <controller-asterisk>
      controller-asterisk
    </controller-asterisk>
    <controller-guardband>
      controller-guardband
    </controller-guardband>
    <controller-management>
      controller-management
    </controller-management>
    <controller-status>
      controller-status
    </controller-status>
  </controller-information>
</poe>

```

#### Description

#### <cooled-frus>

#### Usage

```

<chassis-zones-information>
  <cooled-frus>
</cooled-frus>
</chassis-zones-information>

```

#### Description

#### <cooling-frus>

#### Usage

```

<chassis-zones-information>
  <cooling-frus>
</cooling-frus>
</chassis-zones-information>

```

#### Description

#### <current-source>

#### Usage

```

<clock-synchronization-information>
  <clock-synchronization>
    <synchronization-source-list>
      <current-source>
        <clock-state>
          clock-state
        </clock-state>
      <up-time>

```

```

        up-time
      </up-time>
      <active-time>
        active-time
      </active-time>
      <deviation>
        deviation
      </deviation>
      <last-deviation>
        last-deviation
      </last-deviation>
    </current-source>
  </synchronization-source-list>
</clock-synchronization>
</clock-synchronization-information>

```

#### Description

### <database-memory-usage>

#### Usage

```

<database-memory-usage>
  <database-size>
    database-size
  </database-size>
  <database-allocated-size>
    database-allocated-size
  </database-allocated-size>
  <database-free-size>
    database-free-size
  </database-free-size>
</database-memory-usage>

```

#### Description

### <database-memory-usage>

#### Usage

```

<chassisd-database-memory-usage>
  <database-memory-usage>
    <database-size>
      database-size
    </database-size>
    <database-allocated-size>
      database-allocated-size
    </database-allocated-size>
    <database-free-size>
      database-free-size
    </database-free-size>
  </database-memory-usage>
</chassisd-database-memory-usage>

```

#### Description

## <database-memory-usage>

### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassisd-database-memory-usage>
      <database-memory-usage>
        <database-size>
          database-size
        </database-size>
        <database-allocated-size>
          database-allocated-size
        </database-allocated-size>
        <database-free-size>
          database-free-size
        </database-free-size>
      </database-memory-usage>
    </chassisd-database-memory-usage>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

### Description

## <dc-detail>

### Usage

```
<environment-component-information>
  <environment-component-item>
    <dc-information>
      <dc-detail>
        <dc-device>
          dc-device
        </dc-device>
        <dc-voltage>
          dc-voltage
        </dc-voltage>
        <dc-current>
          dc-current
        </dc-current>
        <dc-power>
          dc-power
        </dc-power>
        <dc-load>
          dc-load
        </dc-load>
      </dc-detail>
    </dc-information>
  </environment-component-item>
</environment-component-information>
```

### Description

Detailed DC information



**<dc-detail2>****Usage**

```

<environment-component-information>
  <environment-component-item>
    <dc-information>
      <dc-detail2>
        <dc-device2>
          dc-device2
        </dc-device2>
        <dc-voltage-string>
          dc-voltage-string
        </dc-voltage-string>
        <dc-current-string>
          dc-current-string
        </dc-current-string>
        <dc-power-string>
          dc-power-string
        </dc-power-string>
        <dc-load-string>
          dc-load-string
        </dc-load-string>
      </dc-detail2>
    </dc-information>
  </environment-component-item>
</environment-component-information>

```

**Description** Detailed DC information

**<dc-information>****Usage**

```

<environment-component-information>
  <environment-component-item>
    <dc-information>
      <dc-input>
        dc-input
      </dc-input>
      <dc-output>
        dc-output
      </dc-output>
      <dc-detail>....</dc-detail>
      <dc-detail2>....</dc-detail2>
    </dc-information>
  </environment-component-item>
</environment-component-information>

```

**Description**

**<dc-input-detail>****Usage**

```

<power-usage-information>

```

```
<power-usage-item>
  <dc-input-detail>
    <dc-input>
      dc-input
    </dc-input>
    <reference-voltage>
      reference-voltage
    </reference-voltage>
    <actual-voltage>
      actual-voltage
    </actual-voltage>
    <dc-expect-feed>
      dc-expect-feed
    </dc-expect-feed>
    <dc-actual-feed>
      dc-actual-feed
    </dc-actual-feed>
  </dc-input-detail>
</power-usage-item>
</power-usage-information>
```

#### Description

### <dc-output-detail>

#### Usage

```
<power-usage-information>
  <power-usage-item>
    <dc-output-detail>
      <dc-voltage>
        dc-voltage
      </dc-voltage>
      <dc-current>
        dc-current
      </dc-current>
      <dc-power>
        dc-power
      </dc-power>
      <dc-load>
        dc-load
      </dc-load>
      <zone>
        zone
      </zone>
    </dc-output-detail>
  </power-usage-item>
</power-usage-information>
```

#### Description

### <display-panel>

#### Usage

```
<front-panel>
```

```

<display-panel>
  <display-row-1>
    display-row-1
  </display-row-1>
  <display-row-2>
    display-row-2
  </display-row-2>
</display-panel>
</front-panel>

```

**Description** Text currently appearing on the LCD interface display

### <display-panel>

#### Usage

```

<get-craft-information>
  <front-panel>
    <display-panel>
      <display-row-1>
        display-row-1
      </display-row-1>
      <display-row-2>
        display-row-2
      </display-row-2>
    </display-panel>
  </front-panel>
</get-craft-information>

```

**Description** Text currently appearing on the LCD interface display

### <environment-component-information>

#### Usage

```

<environment-component-information>
  <environment-component-item>....</environment-component-item>
</environment-component-information>

```

#### Description

### <environment-component-item>

#### Usage

```

<environment-component-information>
  <environment-component-item>
    <name>
      name
    </name>
    <state>
      state
    </state>
    <temperature-reading>....</temperature-reading>
  </environment-component-item>
</environment-component-information>

```

```

<bus-revision>
  bus-revision
</bus-revision>
<cmb-revision>
  cmb-revision
</cmb-revision>
<fpga-revision>
  fpga-revision
</fpga-revision>
<fpga-revision-detail>....</fpga-revision-detail>
<slave-revision>
  slave-revision
</slave-revision>
<reason>
  reason
</reason>
<revision>....</revision>
<slave-registers-information>....</slave-registers-information>
<fpga-registers>....</fpga-registers>
<power-information>....</power-information>
<frequency>
  frequency
</frequency>
<pcg-frequency>....</pcg-frequency>
<dc-information>....</dc-information>
<load>
  load
</load>
<ac-input>
  ac-input
</ac-input>
<pmbus-table>....</pmbus-table>
<airflow-direction>....</airflow-direction>
<input-voltage>....</input-voltage>
<output-detail>....</output-detail>
</environment-component-item>
</environment-component-information>

```

**Description** Chassis environment component

## <environment-information>

### Usage

```

<environment-information>
  <environment-item>....</environment-item>
</environment-information>

```

### Description

## <environment-information>

### Usage

```

<multi-routing-engine-results>

```

```

<multi-routing-engine-item>
  <environment-information>
    <environment-item>....</environment-item>
  </environment-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

#### <environment-item>

##### Usage

```

<environment-information>
  <environment-item>
    <class>
      class
    </class>
    <name>
      name
    </name>
    <status>
      status
    </status>
    <temperature>
      temperature
    </temperature>
    <comment>
      comment
    </comment>
  </environment-item>
</environment-information>

```

#### Description

#### <environment-item>

##### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <environment-information>
      <environment-item>
        <class>
          class
        </class>
        <name>
          name
        </name>
        <status>
          status
        </status>
        <temperature>
          temperature
        </temperature>
        <comment>

```

```
comment
</comment>
</environment-item>
</environment-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

### <fab-reachability-action>

#### Usage

```
<fm-fabric-reachability-information>
<fab-reachability-action>
  <act-reason>
    act-reason
  </act-reason>
  <current-act>
    current-act
  </current-act>
  <init-phase>
    init-phase
  </init-phase>
  <current-phase>
    current-phase
  </current-phase>
  <current-phase-status>
    current-phase-status
  </current-phase-status>
  <act-start-time>
    act-start-time
  </act-start-time>
  <plane-restart-phase-status>
    plane-restart-phase-status
  </plane-restart-phase-status>
  <plane-restart-start-time>
    plane-restart-start-time
  </plane-restart-start-time>
  <plane-restart-list>
    plane-restart-list
  </plane-restart-list>
  <plane-timeout-list>
    plane-timeout-list
  </plane-timeout-list>
  <plane-restart-planes-offline>
    plane-restart-planes-offline
  </plane-restart-planes-offline>
  <plane-restart-planes-offline-time>
    plane-restart-planes-offline-time
  </plane-restart-planes-offline-time>
  <plane-restart-planes-online>
    plane-restart-planes-online
  </plane-restart-planes-online>
  <plane-restart-planes-online-time>
    plane-restart-planes-online-time
```

```
</plane-restart-planes-online-time>
<plane-restart-end-time>
  plane-restart-end-time
</plane-restart-end-time>
<plane-fpc-restart-phase-status>
  plane-fpc-restart-phase-status
</plane-fpc-restart-phase-status>
<plane-fpc-restart-start-time>
  plane-fpc-restart-start-time
</plane-fpc-restart-start-time>
<fpc-offline-start-time>
  fpc-offline-start-time
</fpc-offline-start-time>
<fpc-offline-list>
  fpc-offline-list
</fpc-offline-list>
<fpc-offline-current>
  fpc-offline-current
</fpc-offline-current>
<fpc-offline-time>
  fpc-offline-time
</fpc-offline-time>
<fpc-offline-end-time>
  fpc-offline-end-time
</fpc-offline-end-time>
<fpc-online-start-time>
  fpc-online-start-time
</fpc-online-start-time>
<fpc-online-list>
  fpc-online-list
</fpc-online-list>
<fpc-online-current>
  fpc-online-current
</fpc-online-current>
<fpc-online-time>
  fpc-online-time
</fpc-online-time>
<fpc-online-end-time>
  fpc-online-end-time
</fpc-online-end-time>
<fpc-restart-list>
  fpc-restart-list
</fpc-restart-list>
<fpc-restart-time>
  fpc-restart-time
</fpc-restart-time>
<fpc-offline-timeout-list>
  fpc-offline-timeout-list
</fpc-offline-timeout-list>
<fpc-online-timeout-list>
  fpc-online-timeout-list
</fpc-online-timeout-list>
<plane-fpc-restart-phase-end-time>
  plane-fpc-restart-phase-end-time
</plane-fpc-restart-phase-end-time>
<fpc-offline-phase-status>
```

```
fpc-offline-phase-status
</fpc-offline-phase-status>
<fpc-offline-phase-start-time>
  fpc-offline-phase-start-time
</fpc-offline-phase-start-time>
<fpc-offline-phase-end-time>
  fpc-offline-phase-end-time
</fpc-offline-phase-end-time>
<act-end-time>
  act-end-time
</act-end-time>
</fab-reachability-action>
</fm-fabric-reachability-information>
```

#### Description

### <fab-reachability-detect>

#### Usage

```
<fm-fabric-reachability-information>
  <fab-reachability-detect>
    <unreach-dests>
      unreach-dests
    </unreach-dests>
    <detect-time>
      detect-time
    </detect-time>
    <unreachability-reason>
      unreachability-reason
    </unreachability-reason>
  </fab-reachability-detect>
</fm-fabric-reachability-information>
```

#### Description

### <fabric-mx-upgrade-bw>

#### Usage

```
<fabric-mx-upgrade-bw>
  <fpc-fabric-upgrade-bw-info-item>....</fpc-fabric-upgrade-bw-info-item>

  <fpc-fabric-upgrade-bw-retrain-single-item>....</fpc-fabric-upgrade-bw-retrain-single-item>

  <fpc-fabric-upgrade-bw-retrain-summary-item>....</fpc-fabric-upgrade-bw-retrain-summary-item>

</fabric-mx-upgrade-bw>
```

#### Description



## <fan-information>

### Usage

```
<fan-information>
  <name>
    name
  </name>
  <status>
    status
  </status>
  <rpm>
    rpm
  </rpm>
  <comment>
    comment
  </comment>
  <fan-information-item>....</fan-information-item>
</fan-information>
```

### Description

## <fan-information-item>

### Usage

```
<fan-information>
  <fan-information-item>
</fan-information-item>
</fan-information>
```

### Description

## <feb-led>

### Usage

```
<feb-led-information>
  <feb-led>
    <feb-slot>
      feb-slot
    </feb-slot>
    <feb-state>
      feb-state
    </feb-state>
    <feb-ok-led>
      feb-ok-led
    </feb-ok-led>
    <feb-fail-led>
      feb-fail-led
    </feb-fail-led>
    <feb-active-led>
      feb-active-led
    </feb-active-led>
    <connectivity-led0>
      connectivity-led0
```

```

</connectivity-led0>
<connectivity-led1>
  connectivity-led1
</connectivity-led1>
<connectivity-led2>
  connectivity-led2
</connectivity-led2>
<connectivity-led3>
  connectivity-led3
</connectivity-led3>
<connectivity-led4>
  connectivity-led4
</connectivity-led4>
<connectivity-led5>
  connectivity-led5
</connectivity-led5>
</feb-led>
</feb-led-information>

```

#### Description

### <feb-led-information>

#### Usage

```

<feb-led-information>
  <feb-led>....</feb-led>
</feb-led-information>

```

**Description** Information about the LEDs on the Forwarding Engine Board

### <feb-redundancy-error-information>

#### Usage

```

<feb-redundancy-error-information>
  <feb-redundancy-group-errors>....</feb-redundancy-group-errors>
</feb-redundancy-error-information>

```

**Description** FEB redundancy error information

### <feb-redundancy-group-errors>

#### Usage

```

<feb-redundancy-error-information>
  <feb-redundancy-group-errors>
    <feb-redundancy-group-name>
      feb-redundancy-group-name
    </feb-redundancy-group-name>
    <feb-redundancy-group-description>
      feb-redundancy-group-description
    </feb-redundancy-group-description>
    <feb-redundancy-group-feb-errors>....</feb-redundancy-group-feb-errors>
  </feb-redundancy-group-errors>
</feb-redundancy-error-information>

```

```

    </feb-redundancy-group-errors>
  </feb-redundancy-error-information>

```

**Description** FEB redundancy error information for a FEB group

### <feb-redundancy-group-feb-errors>

#### Usage

```

    <feb-redundancy-error-information>
      <feb-redundancy-group-errors>
        <feb-redundancy-group-feb-errors>
          <feb-slot>
            feb-slot
          </feb-slot>
          <feb-state>
            feb-state
          </feb-state>
          <feb-harderror-state>
            feb-harderror-state
          </feb-harderror-state>

          <feb-redundancy-group-feb-fpc-errors>....</feb-redundancy-group-feb-fpc-errors>

          <feb-redundancy-group-feb-fabric-plane-errors>....</feb-redundancy-group-feb-fabric-plane-errors>

        </feb-redundancy-group-feb-errors>
      </feb-redundancy-group-errors>
    </feb-redundancy-error-information>

```

**Description** FEB redundancy error information for a FEB

### <feb-redundancy-group-feb-fabric-plane-errors>

#### Usage

```

    <feb-redundancy-error-information>
      <feb-redundancy-group-errors>
        <feb-redundancy-group-feb-errors>
          <feb-redundancy-group-feb-fabric-plane-errors>
            <fabric-plane-number>
              fabric-plane-number
            </fabric-plane-number>
            <fabric-plane-status>
              fabric-plane-status
            </fabric-plane-status>
          </feb-redundancy-group-feb-fabric-plane-errors>
        </feb-redundancy-group-feb-errors>
      </feb-redundancy-group-errors>
    </feb-redundancy-error-information>

```

**Description** FEB redundancy error information for a fabric plane

### <feb-redundancy-group-feb-fpc-errors>

#### Usage

```
<feb-redundancy-error-information>
  <feb-redundancy-group-errors>
    <feb-redundancy-group-feb-errors>
      <feb-redundancy-group-feb-fpc-errors>
        <fpc-slot>
          fpc-slot
        </fpc-slot>
        <fpc-link-status>
          fpc-link-status
        </fpc-link-status>
      </feb-redundancy-group-feb-fpc-errors>
    </feb-redundancy-group-feb-errors>
  </feb-redundancy-group-errors>
</feb-redundancy-error-information>
```

**Description** FEB redundancy error information for an FPC

### <feb-redundancy-group-information>

#### Usage

```
<feb-redundancy-information>
  <feb-redundancy-group-information>
    <feb-redundancy-group-name>
      feb-redundancy-group-name
    </feb-redundancy-group-name>
    <feb-redundancy-group-description>
      feb-redundancy-group-description
    </feb-redundancy-group-description>

    <feb-redundancy-group-information-item>....</feb-redundancy-group-information-item>

    <feb-redundancy-autofailover>
      feb-redundancy-autofailover
    </feb-redundancy-autofailover>
    <feb-redundancy-switch-reason>
      feb-redundancy-switch-reason
    </feb-redundancy-switch-reason>
  </feb-redundancy-group-information>
</feb-redundancy-information>
```

**Description** FEB redundancy information for a redundancy group

### <feb-redundancy-group-information-item>

#### Usage

```
<feb-redundancy-information>
  <feb-redundancy-group-information>
    <feb-redundancy-group-information-item>
      <feb-slot>
```

```

    feb-slot
  </feb-slot>
  <feb-state>
    feb-state
  </feb-state>
  <redundancy-priority>
    redundancy-priority
  </redundancy-priority>
  <connected-fpcs>
    connected-fpcs
  </connected-fpcs>
  <redundancy-state>
    redundancy-state
  </redundancy-state>
  <redundancy-state-description>
    redundancy-state-description
  </redundancy-state-description>
</feb-redundancy-group-information-item>
</feb-redundancy-group-information>
</feb-redundancy-information>

```

**Description** FEB redundancy information for a FEB

### <feb-redundancy-information>

#### Usage

```

<feb-redundancy-information>
  <feb-redundancy-group-information>....</feb-redundancy-group-information>
</feb-redundancy-information>

```

**Description** FEB redundancy information

### <firmware>

#### Usage

```

<firmware>
  <type>
    type
  </type>
  <firmware-version>
    firmware-version
  </firmware-version>
</firmware>

```

**Description**

### <firmware>

#### Usage

```

<chassis-inventory>
  <chassis>

```

```
<chassis-module>
  <firmware>
    <type>
      type
    </type>
    <firmware-version>
      firmware-version
    </firmware-version>
  </firmware>
</chassis-module>
</chassis>
</chassis-inventory>
```

#### Description

<firmware>

#### Usage

```
<chassis-inventory>
<chassis>
  <chassis-module>
    <chassis-sub-module>
      <firmware>
        <type>
          type
        </type>
        <firmware-version>
          firmware-version
        </firmware-version>
      </firmware>
    </chassis-sub-module>
  </chassis-module>
</chassis>
</chassis-inventory>
```

#### Description

<firmware>

#### Usage

```
<firmware-information>
<chassis>
  <chassis-module>
    <firmware>
      <type>
        type
      </type>
      <firmware-version>
        firmware-version
      </firmware-version>
    </firmware>
  </chassis-module>
</chassis>
```

```
</firmware-information>
```

#### Description

```
<firmware>
```

#### Usage

```
<firmware-information>
<chassis>
  <chassis-module>
    <chassis-sub-module>
      <firmware>
        <type>
          type
        </type>
        <firmware-version>
          firmware-version
        </firmware-version>
      </firmware>
    </chassis-sub-module>
  </chassis-module>
</chassis>
</firmware-information>
```

#### Description

```
<firmware>
```

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
  <chassis-inventory>
    <chassis>
      <chassis-module>
        <firmware>
          <type>
            type
          </type>
          <firmware-version>
            firmware-version
          </firmware-version>
        </firmware>
      </chassis-module>
    </chassis>
  </chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

## <firmware>

### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<chassis-inventory>
<chassis>
<chassis-module>
<chassis-sub-module>
<firmware>
<type>
  type
</type>
<firmware-version>
  firmware-version
</firmware-version>
</firmware>
</chassis-sub-module>
</chassis-module>
</chassis>
</chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

### Description

## <firmware>

### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<firmware-information>
<chassis>
<chassis-module>
<firmware>
<type>
  type
</type>
<firmware-version>
  firmware-version
</firmware-version>
</firmware>
</chassis-module>
</chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

### Description



**<firmware>****Usage**

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <firmware-information>
      <chassis>
        <chassis-module>
          <chassis-sub-module>
            <firmware>
              <type>
                type
              </type>
              <firmware-version>
                firmware-version
              </firmware-version>
            </firmware>
          </chassis-sub-module>
        </chassis-module>
      </chassis>
    </firmware-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description****<firmware-information>****Usage**

```

<firmware-information>
  <chassis>....</chassis>
</firmware-information>

```

**Description** Information about component firmware versions

**<firmware-information>****Usage**

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <firmware-information>
      <chassis>....</chassis>
    </firmware-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description** Information about component firmware versions

## <firmware-module>

### Usage

```
<firmware-version-information>
  <firmware-module>
    <firmware-name>
      firmware-name
    </firmware-name>
    <firmware-type>
      firmware-type
    </firmware-type>
    <firmware-version>
      firmware-version
    </firmware-version>
  </firmware-module>
</firmware-version-information>
```

### Description

## <firmware-version-information>

### Usage

```
<firmware-version-information>
  <firmware-module>....</firmware-module>
</firmware-version-information>
```

**Description** Information about component firmware versions

## <firmware-version-mismatch>

### Usage

```
<firmware-version-mismatch>
  <routing-engine-software-version>
    routing-engine-software-version
  </routing-engine-software-version>
  <jfirmware-version>
    jfirmware-version
  </jfirmware-version>
</firmware-version-mismatch>
```

**Description** Firmware version mismatch warning

## <firmware-version-mismatch>

### Usage

```
<system-firmware-compatibility-information>
  <firmware-version-mismatch>
    <routing-engine-software-version>
      routing-engine-software-version
    </routing-engine-software-version>
    <jfirmware-version>
```

```

    jfirmware-version
  </jfirmware-version>
</firmware-version-mismatch>
</system-firmware-compatibility-information>

```

**Description** Firmware version mismatch warning

### <firmware-version-mismatch>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-firmware-compatibility-information>
      <firmware-version-mismatch>
        <routing-engine-software-version>
          routing-engine-software-version
        </routing-engine-software-version>
        <jfirmware-version>
          jfirmware-version
        </jfirmware-version>
      </firmware-version-mismatch>
    </system-firmware-compatibility-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description** Firmware version mismatch warning

### <fm-fabric-reachability-information>

#### Usage

```

<fm-fabric-reachability-information>
  <fab-reach-status>
    fab-reach-status
  </fab-reach-status>
  <fab-reachability-detect>....</fab-reachability-detect>
  <fab-reachability-action>....</fab-reachability-action>
  <fab-reach-resolute>
    fab-reach-resolute
  </fab-reach-resolute>
</fm-fabric-reachability-information>

```

**Description** Display fabric destination reachability

### <fm-first-error-ln>

#### Usage

```

<fm-fru-errors>
  <fm-first-error-ln>
    <fm-first-error-time>
      fm-first-error-time
    </fm-first-error-time>
  </fm-first-error-ln>
</fm-fru-errors>

```

```
<fm-first-error-detail>
  fm-first-error-detail
</fm-first-error-detail>
</fm-first-error-ln>
</fm-fru-errors>
```

#### Description

### <fm-fpc-line>

#### Usage

```
<fm-unreachable-dest-information>
  <fm-fpc-line>
    <pfe-slot>
      pfe-slot
    </pfe-slot>
    <fm-pfe-line>....</fm-pfe-line>
  </fm-fpc-line>
</fm-unreachable-dest-information>
```

#### Description

### <fm-fpc-ln>

#### Usage

```
<fm-fpc-state-information>
  <fm-fpc-ln>
    <slot>
      slot
    </slot>
    <fm-pfe-ln>....</fm-pfe-ln>
  </fm-fpc-ln>
</fm-fpc-state-information>
```

#### Description

### <fm-fpc-ln>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-fpc-state-information>
      <fm-fpc-ln>
        <slot>
          slot
        </slot>
        <fm-pfe-ln>....</fm-pfe-ln>
      </fm-fpc-ln>
    </fm-fpc-state-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

## &lt;fm-fpc-state-information&gt;

## Usage

```
<fm-fpc-state-information>
  <fm-fpc-ln>....</fm-fpc-ln>
</fm-fpc-state-information>
```

## Description

## &lt;fm-fpc-state-information&gt;

## Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-fpc-state-information>
      <fm-fpc-ln>....</fm-fpc-ln>
    </fm-fpc-state-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

## &lt;fm-fru-errors&gt;

## Usage

```
<fm-fru-errors>
  <fm-fru-first-error-header>
    fm-fru-first-error-header
  </fm-fru-first-error-header>
  <fm-fru-last-error-header>
    fm-fru-last-error-header
  </fm-fru-last-error-header>
  <fm-first-error-ln>....</fm-first-error-ln>
  <fm-last-error-ln>....</fm-last-error-ln>
</fm-fru-errors>
```

## Description

## &lt;fm-last-error-ln&gt;

## Usage

```
<fm-fru-errors>
  <fm-last-error-ln>
    <fm-last-error-time>
      fm-last-error-time
    </fm-last-error-time>
    <fm-last-error-detail>
      fm-last-error-detail
    </fm-last-error-detail>
  </fm-last-error-ln>
```

</fm-fru-errors>

#### Description

### <fm-pfe-line>

#### Usage

```
<fm-unreachable-dest-information>
  <fm-fpc-line>
    <fm-pfe-line>
      <fpc-pfe-unreach-dests>
        fpc-pfe-unreach-dests
      </fpc-pfe-unreach-dests>
    </fm-pfe-line>
  </fm-fpc-line>
</fm-unreachable-dest-information>
```

#### Description

### <fm-pfe-ln>

#### Usage

```
<fm-fpc-state-information>
  <fm-fpc-ln>
    <fm-pfe-ln>
      <pfe-slot>
        pfe-slot
      </pfe-slot>
      <fm-sib-ln>....</fm-sib-ln>
      <fm-plane-ln>....</fm-plane-ln>
    </fm-pfe-ln>
  </fm-fpc-ln>
</fm-fpc-state-information>
```

#### Description

### <fm-pfe-ln>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-fpc-state-information>
      <fm-fpc-ln>
        <fm-pfe-ln>
          <pfe-slot>
            pfe-slot
          </pfe-slot>
          <fm-sib-ln>....</fm-sib-ln>
          <fm-plane-ln>....</fm-plane-ln>
        </fm-pfe-ln>
      </fm-fpc-ln>
    </fm-fpc-state-information>
  </multi-routing-engine-item>
```

```
</multi-routing-engine-results>
```

#### Description

#### <fm-plane-ln>

#### Usage

```
<fm-fpc-state-information>
  <fm-fpc-ln>
    <fm-pfe-ln>
      <fm-plane-ln>
        <plane-slot>
          plane-slot
        </plane-slot>
        <plane-fm-state>
          plane-fm-state
        </plane-fm-state>
      </fm-plane-ln>
    </fm-pfe-ln>
  </fm-fpc-ln>
</fm-fpc-state-information>
```

#### Description

#### <fm-plane-ln>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-fpc-state-information>
      <fm-fpc-ln>
        <fm-pfe-ln>
          <fm-plane-ln>
            <plane-slot>
              plane-slot
            </plane-slot>
            <plane-fm-state>
              plane-fm-state
            </plane-fm-state>
          </fm-plane-ln>
        </fm-pfe-ln>
      </fm-fpc-ln>
    </fm-fpc-state-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

#### <fm-plane-location>

#### Usage

```
<fm-plane-location-information>
  <fm-plane-location>
```

```
<plane-slot>
  plane-slot
</plane-slot>
<cb-slot>
  cb-slot
</cb-slot>
<plane>
  plane
</plane>
<sib-f13-slot>
  sib-f13-slot
</sib-f13-slot>
<sib-f2-slot>
  sib-f2-slot
</sib-f2-slot>
<sib-l-slot>
  sib-l-slot
</sib-l-slot>
</fm-plane-location>
</fm-plane-location-information>
```

#### Description

### <fm-plane-location-information>

#### Usage

```
<fm-plane-location-information>
  <fm-plane-location>....</fm-plane-location>
</fm-plane-location-information>
```

#### Description

### <fm-plane-state-information>

#### Usage

```
<fm-plane-state-information>
  <fabric-header>
    fabric-header
  </fabric-header>
  <fmp-plane>....</fmp-plane>
</fm-plane-state-information>
```

#### Description

### <fm-sib-ln>

#### Usage

```
<fm-fpc-state-information>
  <fm-fpc-ln>
    <fm-pfe-ln>
      <fm-sib-ln>
        <sib-slot>
          sib-slot
```



```

</sib-slot>
<sib-fm-state>
  sib-fm-state
</sib-fm-state>
</fm-sib-ln>
</fm-pfe-ln>
</fm-fpc-ln>
</fm-fpc-state-information>

```

#### Description

#### <fm-sib-ln>

##### Usage

```

<multi-routing-engine-results>
<multi-routing-engine-item>
  <fm-fpc-state-information>
    <fm-fpc-ln>
      <fm-pfe-ln>
        <fm-sib-ln>
          <sib-slot>
            sib-slot
          </sib-slot>
          <sib-fm-state>
            sib-fm-state
          </sib-fm-state>
        </fm-sib-ln>
      </fm-pfe-ln>
    </fm-fpc-ln>
  </fm-fpc-state-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

#### <fm-sib-state-information>

##### Usage

```

<fm-sib-state-information>
  <fms-sib-ln>....</fms-sib-ln>
</fm-sib-state-information>

```

#### Description

#### <fm-sib-state-information>

##### Usage

```

<multi-routing-engine-results>
<multi-routing-engine-item>
  <fm-sib-state-information>
    <fms-sib-ln>....</fms-sib-ln>
  </fm-sib-state-information>
</multi-routing-engine-item>

```

</multi-routing-engine-results>

#### Description

### <fm-state-information>

#### Usage

```
<fm-state-information>
  <fm-state-item>....</fm-state-item>
</fm-state-information>
```

#### Description

### <fm-state-item>

#### Usage

```
<fm-state-information>
  <fm-state-item>
    <plane-slot>
      plane-slot
    </plane-slot>
    <state>
      state
    </state>
    <up-time>
      up-time
    </up-time>
  </fm-state-item>
</fm-state-information>
```

#### Description

### <fm-topo-link>

#### Usage

```
<fm-topology>
  <fm-topo-link>
    <fm-topo-sib>
      fm-topo-sib
    </fm-topo-sib>
    <fm-topo-dbl-line>
      fm-topo-dbl-line
    </fm-topo-dbl-line>
    <fm-topo-fail-msg>
      fm-topo-fail-msg
    </fm-topo-fail-msg>
    <fm-topo-link-details>....</fm-topo-link-details>
    <fm-topo-link-information>....</fm-topo-link-information>
    <fm-topo-link-information-sgl>....</fm-topo-link-information-sgl>
  </fm-topo-link>
</fm-topology>
```

## Description

## &lt;fm-topo-link&gt;

## Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-sib>
          fm-topo-sib
        </fm-topo-sib>
        <fm-topo-dbl-line>
          fm-topo-dbl-line
        </fm-topo-dbl-line>
        <fm-topo-fail-msg>
          fm-topo-fail-msg
        </fm-topo-fail-msg>
        <fm-topo-link-details>....</fm-topo-link-details>
        <fm-topo-link-information>....</fm-topo-link-information>
        <fm-topo-link-information-sgl>....</fm-topo-link-information-sgl>
      </fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

## &lt;fm-topo-link-des&gt;

## Usage

```

<fm-topology>
  <fm-topo-link-src-des>
    <fm-topo-link-des>
      <fm-topo-link-des-in>
        fm-topo-link-des-in
      </fm-topo-link-des-in>
      <fm-topo-link-des-out>
        fm-topo-link-des-out
      </fm-topo-link-des-out>
      <hsl2-state-des>
        hsl2-state-des
      </hsl2-state-des>
    </fm-topo-link-des>
  </fm-topo-link-src-des>
</fm-topology>

```

## Description

## &lt;fm-topo-link-des&gt;

## Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>

```

```
<fm-topology>
  <fm-topo-link-src-des>
    <fm-topo-link-des>
      <fm-topo-link-des-in>
        fm-topo-link-des-in
      </fm-topo-link-des-in>
      <fm-topo-link-des-out>
        fm-topo-link-des-out
      </fm-topo-link-des-out>
      <hsl2-state-des>
        hsl2-state-des
      </hsl2-state-des>
    </fm-topo-link-des>
  </fm-topo-link-src-des>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

#### <fm-topo-link-details>

##### Usage

```
<fm-topology>
  <fm-topo-link>
    <fm-topo-link-details>
      <fm-topo-link-type>
        fm-topo-link-type
      </fm-topo-link-type>
      <fm-topo-sib-source>
        fm-topo-sib-source
      </fm-topo-sib-source>
      <fm-topo-sib-dest>
        fm-topo-sib-dest
      </fm-topo-sib-dest>
      <source-pfe-xc-link>
        source-pfe-xc-link
      </source-pfe-xc-link>
      <dest-pfe-xc-link>
        dest-pfe-xc-link
      </dest-pfe-xc-link>
      <vcse1-status>
        vcse1-status
      </vcse1-status>
      <hsl2-channel>
        hsl2-channel
      </hsl2-channel>
      <hsl2-status>
        hsl2-status
      </hsl2-status>
      <fm-topo-link-in-out>....</fm-topo-link-in-out>
      <fm-topo-link-details-head-lcc>....</fm-topo-link-details-head-lcc>
      <fm-topo-link-details-lcc>....</fm-topo-link-details-lcc>
      <fm-topo-link-details-head-sfc>....</fm-topo-link-details-head-sfc>
      <fm-topo-link-details-sfc>....</fm-topo-link-details-sfc>
```

```

    </fm-topo-link-details>
  </fm-topo-link>
</fm-topology>

```

## Description

### <fm-topo-link-details>

#### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information>
      <fm-topo-link-details>
        <fm-topo-link-type>
          fm-topo-link-type
        </fm-topo-link-type>
        <fm-topo-sib-source>
          fm-topo-sib-source
        </fm-topo-sib-source>
        <fm-topo-sib-dest>
          fm-topo-sib-dest
        </fm-topo-sib-dest>
        <source-pfe-xc-link>
          source-pfe-xc-link
        </source-pfe-xc-link>
        <dest-pfe-xc-link>
          dest-pfe-xc-link
        </dest-pfe-xc-link>
        <vcSEL-status>
          vcSEL-status
        </vcSEL-status>
        <hsl2-channel>
          hsl2-channel
        </hsl2-channel>
        <hsl2-status>
          hsl2-status
        </hsl2-status>
        <fm-topo-link-in-out>....</fm-topo-link-in-out>
        <fm-topo-link-details-head-lcc>....</fm-topo-link-details-head-lcc>
        <fm-topo-link-details-lcc>....</fm-topo-link-details-lcc>
        <fm-topo-link-details-head-sfc>....</fm-topo-link-details-head-sfc>
        <fm-topo-link-details-sfc>....</fm-topo-link-details-sfc>
      </fm-topo-link-details>
    </fm-topo-link-information>
  </fm-topo-link>
</fm-topology>

```

## Description

### <fm-topo-link-details>

#### Usage

```

<fm-topology>
  <fm-topo-link>

```

```
<fm-topo-link-information-sgl>
  <fm-topo-link-details>
    <fm-topo-link-type>
      fm-topo-link-type
    </fm-topo-link-type>
    <fm-topo-sib-source>
      fm-topo-sib-source
    </fm-topo-sib-source>
    <fm-topo-sib-dest>
      fm-topo-sib-dest
    </fm-topo-sib-dest>
    <source-pfe-xc-link>
      source-pfe-xc-link
    </source-pfe-xc-link>
    <dest-pfe-xc-link>
      dest-pfe-xc-link
    </dest-pfe-xc-link>
    <vcsl-status>
      vcsl-status
    </vcsl-status>
    <hsl2-channel>
      hsl2-channel
    </hsl2-channel>
    <hsl2-status>
      hsl2-status
    </hsl2-status>
    <fm-topo-link-in-out>....</fm-topo-link-in-out>
    <fm-topo-link-details-head-lcc>....</fm-topo-link-details-head-lcc>
    <fm-topo-link-details-lcc>....</fm-topo-link-details-lcc>
    <fm-topo-link-details-head-sfc>....</fm-topo-link-details-head-sfc>
    <fm-topo-link-details-sfc>....</fm-topo-link-details-sfc>
  </fm-topo-link-details>
</fm-topo-link-information-sgl>
</fm-topo-link>
</fm-topology>
```

## Description

### <fm-topo-link-details>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-details>
          <fm-topo-link-type>
            fm-topo-link-type
          </fm-topo-link-type>
          <fm-topo-sib-source>
            fm-topo-sib-source
          </fm-topo-sib-source>
          <fm-topo-sib-dest>
            fm-topo-sib-dest
          </fm-topo-sib-dest>
```

```

<source-pfe-xc-link>
  source-pfe-xc-link
</source-pfe-xc-link>
<dest-pfe-xc-link>
  dest-pfe-xc-link
</dest-pfe-xc-link>
<vcSEL-status>
  vcSEL-status
</vcSEL-status>
<hsl2-channel>
  hsl2-channel
</hsl2-channel>
<hsl2-status>
  hsl2-status
</hsl2-status>
<fm-topo-link-in-out>....</fm-topo-link-in-out>
<fm-topo-link-details-head-lcc>....</fm-topo-link-details-head-lcc>
<fm-topo-link-details-lcc>....</fm-topo-link-details-lcc>
<fm-topo-link-details-head-sfc>....</fm-topo-link-details-head-sfc>
<fm-topo-link-details-sfc>....</fm-topo-link-details-sfc>
</fm-topo-link-details>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

### <fm-topo-link-details>

#### Usage

```

<multi-routing-engine-results>
<multi-routing-engine-item>
<fm-topology>
<fm-topo-link>
<fm-topo-link-information>
<fm-topo-link-details>
<fm-topo-link-type>
  fm-topo-link-type
</fm-topo-link-type>
<fm-topo-sib-source>
  fm-topo-sib-source
</fm-topo-sib-source>
<fm-topo-sib-dest>
  fm-topo-sib-dest
</fm-topo-sib-dest>
<source-pfe-xc-link>
  source-pfe-xc-link
</source-pfe-xc-link>
<dest-pfe-xc-link>
  dest-pfe-xc-link
</dest-pfe-xc-link>
<vcSEL-status>
  vcSEL-status
</vcSEL-status>

```

```
<hsl2-channel>
  hsl2-channel
</hsl2-channel>
<hsl2-status>
  hsl2-status
</hsl2-status>
<fm-topo-link-in-out>....</fm-topo-link-in-out>
<fm-topo-link-details-head-lcc>....</fm-topo-link-details-head-lcc>
<fm-topo-link-details-lcc>....</fm-topo-link-details-lcc>
<fm-topo-link-details-head-sfc>....</fm-topo-link-details-head-sfc>
<fm-topo-link-details-sfc>....</fm-topo-link-details-sfc>
</fm-topo-link-details>
</fm-topo-link-information>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

### <fm-topo-link-details>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<fm-topology>
<fm-topo-link>
<fm-topo-link-information-sgl>
<fm-topo-link-details>
<fm-topo-link-type>
  fm-topo-link-type
</fm-topo-link-type>
<fm-topo-sib-source>
  fm-topo-sib-source
</fm-topo-sib-source>
<fm-topo-sib-dest>
  fm-topo-sib-dest
</fm-topo-sib-dest>
<source-pfe-xc-link>
  source-pfe-xc-link
</source-pfe-xc-link>
<dest-pfe-xc-link>
  dest-pfe-xc-link
</dest-pfe-xc-link>
<vcSEL-status>
  vcSEL-status
</vcSEL-status>
<hsl2-channel>
  hsl2-channel
</hsl2-channel>
<hsl2-status>
  hsl2-status
</hsl2-status>
<fm-topo-link-in-out>....</fm-topo-link-in-out>
<fm-topo-link-details-head-lcc>....</fm-topo-link-details-head-lcc>
```



```

    <fm-topo-link-details-lcc>....</fm-topo-link-details-lcc>
    <fm-topo-link-details-head-sfc>....</fm-topo-link-details-head-sfc>
    <fm-topo-link-details-sfc>....</fm-topo-link-details-sfc>
  </fm-topo-link-details>
</fm-topo-link-information-sgl>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

### Description

#### <fm-topo-link-details-head-lcc>

##### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-details>
      <fm-topo-link-details-head-lcc>
        <fm-topo-sib-source>
          fm-topo-sib-source
        </fm-topo-sib-source>
        <fm-topo-sib-dest>
          fm-topo-sib-dest
        </fm-topo-sib-dest>
      </fm-topo-link-details-head-lcc>
    </fm-topo-link-details>
  </fm-topo-link>
</fm-topology>

```

### Description

#### <fm-topo-link-details-head-lcc>

##### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information>
      <fm-topo-link-details>
        <fm-topo-link-details-head-lcc>
          <fm-topo-sib-source>
            fm-topo-sib-source
          </fm-topo-sib-source>
          <fm-topo-sib-dest>
            fm-topo-sib-dest
          </fm-topo-sib-dest>
        </fm-topo-link-details-head-lcc>
      </fm-topo-link-details>
    </fm-topo-link-information>
  </fm-topo-link>
</fm-topology>

```

### Description

### <fm-topo-link-details-head-lcc>

#### Usage

```
<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information-sgl>
      <fm-topo-link-details>
        <fm-topo-link-details-head-lcc>
          <fm-topo-sib-source>
            fm-topo-sib-source
          </fm-topo-sib-source>
          <fm-topo-sib-dest>
            fm-topo-sib-dest
          </fm-topo-sib-dest>
        </fm-topo-link-details-head-lcc>
      </fm-topo-link-details>
    </fm-topo-link-information-sgl>
  </fm-topo-link>
</fm-topology>
```

#### Description

### <fm-topo-link-details-head-lcc>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-details>
          <fm-topo-link-details-head-lcc>
            <fm-topo-sib-source>
              fm-topo-sib-source
            </fm-topo-sib-source>
            <fm-topo-sib-dest>
              fm-topo-sib-dest
            </fm-topo-sib-dest>
          </fm-topo-link-details-head-lcc>
        </fm-topo-link-details>
      </fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <fm-topo-link-details-head-lcc>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
```

```

<fm-topo-link-information>
  <fm-topo-link-details>
    <fm-topo-link-details-head-lcc>
      <fm-topo-sib-source>
        fm-topo-sib-source
      </fm-topo-sib-source>
      <fm-topo-sib-dest>
        fm-topo-sib-dest
      </fm-topo-sib-dest>
    </fm-topo-link-details-head-lcc>
  </fm-topo-link-details>
</fm-topo-link-information>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

#### <fm-topo-link-details-head-lcc>

##### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-information-sgl>
          <fm-topo-link-details>
            <fm-topo-link-details-head-lcc>
              <fm-topo-sib-source>
                fm-topo-sib-source
              </fm-topo-sib-source>
              <fm-topo-sib-dest>
                fm-topo-sib-dest
              </fm-topo-sib-dest>
            </fm-topo-link-details-head-lcc>
          </fm-topo-link-details>
        </fm-topo-link-information-sgl>
      </fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

#### <fm-topo-link-details-head-sfc>

##### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-details>
      <fm-topo-link-details-head-sfc>
        <fm-topo-sib-source>
          fm-topo-sib-source
        </fm-topo-sib-source>
      </fm-topo-link-details-head-sfc>
    </fm-topo-link-details>
  </fm-topo-link>
</fm-topology>

```

```
    </fm-topo-sib-source>
    <fm-topo-sib-dest>
      fm-topo-sib-dest
    </fm-topo-sib-dest>
  </fm-topo-link-details-head-sfc>
</fm-topo-link-details>
</fm-topo-link>
</fm-topology>
```

#### Description

### <fm-topo-link-details-head-sfc>

#### Usage

```
<fm-topology>
<fm-topo-link>
  <fm-topo-link-information>
    <fm-topo-link-details>
      <fm-topo-link-details-head-sfc>
        <fm-topo-sib-source>
          fm-topo-sib-source
        </fm-topo-sib-source>
        <fm-topo-sib-dest>
          fm-topo-sib-dest
        </fm-topo-sib-dest>
      </fm-topo-link-details-head-sfc>
    </fm-topo-link-details>
  </fm-topo-link-information>
</fm-topo-link>
</fm-topology>
```

#### Description

### <fm-topo-link-details-head-sfc>

#### Usage

```
<fm-topology>
<fm-topo-link>
  <fm-topo-link-information-sgl>
    <fm-topo-link-details>
      <fm-topo-link-details-head-sfc>
        <fm-topo-sib-source>
          fm-topo-sib-source
        </fm-topo-sib-source>
        <fm-topo-sib-dest>
          fm-topo-sib-dest
        </fm-topo-sib-dest>
      </fm-topo-link-details-head-sfc>
    </fm-topo-link-details>
  </fm-topo-link-information-sgl>
</fm-topo-link>
</fm-topology>
```

## Description

## &lt;fm-topo-link-details-head-sfc&gt;

## Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-details>
          <fm-topo-link-details-head-sfc>
            <fm-topo-sib-source>
              fm-topo-sib-source
            </fm-topo-sib-source>
            <fm-topo-sib-dest>
              fm-topo-sib-dest
            </fm-topo-sib-dest>
          </fm-topo-link-details-head-sfc>
        </fm-topo-link-details>
      </fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

## &lt;fm-topo-link-details-head-sfc&gt;

## Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-information>
          <fm-topo-link-details>
            <fm-topo-link-details-head-sfc>
              <fm-topo-sib-source>
                fm-topo-sib-source
              </fm-topo-sib-source>
              <fm-topo-sib-dest>
                fm-topo-sib-dest
              </fm-topo-sib-dest>
            </fm-topo-link-details-head-sfc>
          </fm-topo-link-details>
        </fm-topo-link-information>
      </fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

## <fm-topo-link-details-head-sfc>

### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
  <fm-topology>
    <fm-topo-link>
      <fm-topo-link-information-sgl>
        <fm-topo-link-details>
          <fm-topo-link-details-head-sfc>
            <fm-topo-sib-source>
              fm-topo-sib-source
            </fm-topo-sib-source>
            <fm-topo-sib-dest>
              fm-topo-sib-dest
            </fm-topo-sib-dest>
          </fm-topo-link-details-head-sfc>
        </fm-topo-link-details>
      </fm-topo-link-information-sgl>
    </fm-topo-link>
  </fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

### Description

## <fm-topo-link-details-lcc>

### Usage

```
<fm-topology>
<fm-topo-link>
  <fm-topo-link-details>
    <fm-topo-link-details-lcc>
      <source-pfe-xc-link>
        source-pfe-xc-link
      </source-pfe-xc-link>
      <dest-pfe-xc-link>
        dest-pfe-xc-link
      </dest-pfe-xc-link>
      <vcSEL-status>
        vcSEL-status
      </vcSEL-status>
      <hsl2-channel>
        hsl2-channel
      </hsl2-channel>
      <hsl2-status>
        hsl2-status
      </hsl2-status>
    </fm-topo-link-details-lcc>
  </fm-topo-link-details>
</fm-topo-link>
</fm-topology>
```

## Description

## &lt;fm-topo-link-details-lcc&gt;

## Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information>
      <fm-topo-link-details>
        <fm-topo-link-details-lcc>
          <source-pfe-xc-link>
            source-pfe-xc-link
          </source-pfe-xc-link>
          <dest-pfe-xc-link>
            dest-pfe-xc-link
          </dest-pfe-xc-link>
          <vcSEL-status>
            vcSEL-status
          </vcSEL-status>
          <hsl2-channel>
            hsl2-channel
          </hsl2-channel>
          <hsl2-status>
            hsl2-status
          </hsl2-status>
        </fm-topo-link-details-lcc>
      </fm-topo-link-details>
    </fm-topo-link-information>
  </fm-topo-link>
</fm-topology>

```

## Description

## &lt;fm-topo-link-details-lcc&gt;

## Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information-sgl>
      <fm-topo-link-details>
        <fm-topo-link-details-lcc>
          <source-pfe-xc-link>
            source-pfe-xc-link
          </source-pfe-xc-link>
          <dest-pfe-xc-link>
            dest-pfe-xc-link
          </dest-pfe-xc-link>
          <vcSEL-status>
            vcSEL-status
          </vcSEL-status>
          <hsl2-channel>
            hsl2-channel
          </hsl2-channel>
          <hsl2-status>
            hsl2-status

```

```
</hsl2-status>
</fm-topo-link-details-lcc>
</fm-topo-link-details>
</fm-topo-link-information-sgl>
</fm-topo-link>
</fm-topology>
```

#### Description

### <fm-topo-link-details-lcc>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<fm-topology>
<fm-topo-link>
<fm-topo-link-details>
<fm-topo-link-details-lcc>
<source-pfe-xc-link>
  source-pfe-xc-link
</source-pfe-xc-link>
<dest-pfe-xc-link>
  dest-pfe-xc-link
</dest-pfe-xc-link>
<vcSEL-status>
  vcSEL-status
</vcSEL-status>
<hsl2-channel>
  hsl2-channel
</hsl2-channel>
<hsl2-status>
  hsl2-status
</hsl2-status>
</fm-topo-link-details-lcc>
</fm-topo-link-details>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <fm-topo-link-details-lcc>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<fm-topology>
<fm-topo-link>
<fm-topo-link-information>
<fm-topo-link-details>
<fm-topo-link-details-lcc>
<source-pfe-xc-link>
  source-pfe-xc-link
```



```

</source-pfe-xc-link>
<dest-pfe-xc-link>
  dest-pfe-xc-link
</dest-pfe-xc-link>
<vcSEL-status>
  vcSEL-status
</vcSEL-status>
<hsl2-channel>
  hsl2-channel
</hsl2-channel>
<hsl2-status>
  hsl2-status
</hsl2-status>
</fm-topo-link-details-lcc>
</fm-topo-link-details>
</fm-topo-link-information>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

### <fm-topo-link-details-lcc>

#### Usage

```

<multi-routing-engine-results>
<multi-routing-engine-item>
<fm-topology>
<fm-topo-link>
<fm-topo-link-information-sgl>
<fm-topo-link-details>
<fm-topo-link-details-lcc>
<source-pfe-xc-link>
  source-pfe-xc-link
</source-pfe-xc-link>
<dest-pfe-xc-link>
  dest-pfe-xc-link
</dest-pfe-xc-link>
<vcSEL-status>
  vcSEL-status
</vcSEL-status>
<hsl2-channel>
  hsl2-channel
</hsl2-channel>
<hsl2-status>
  hsl2-status
</hsl2-status>
</fm-topo-link-details-lcc>
</fm-topo-link-details>
</fm-topo-link-information-sgl>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>

```

```
</multi-routing-engine-results>
```

#### Description

```
<fm-topo-link-details-sfc>
```

#### Usage

```
<fm-topology>
  <fm-topo-link>
    <fm-topo-link-details>
      <fm-topo-link-details-sfc>
        <source-pfe-xc-link>
          source-pfe-xc-link
        </source-pfe-xc-link>
        <dest-pfe-xc-link>
          dest-pfe-xc-link
        </dest-pfe-xc-link>
        <vcSEL-status>
          vcSEL-status
        </vcSEL-status>
        <hsl2-channel>
          hsl2-channel
        </hsl2-channel>
        <hsl2-status>
          hsl2-status
        </hsl2-status>
      </fm-topo-link-details-sfc>
    </fm-topo-link-details>
  </fm-topo-link>
</fm-topology>
```

#### Description

```
<fm-topo-link-details-sfc>
```

#### Usage

```
<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information>
      <fm-topo-link-details>
        <fm-topo-link-details-sfc>
          <source-pfe-xc-link>
            source-pfe-xc-link
          </source-pfe-xc-link>
          <dest-pfe-xc-link>
            dest-pfe-xc-link
          </dest-pfe-xc-link>
          <vcSEL-status>
            vcSEL-status
          </vcSEL-status>
          <hsl2-channel>
            hsl2-channel
          </hsl2-channel>
          <hsl2-status>
```

```

        hsl2-status
      </hsl2-status>
    </fm-topo-link-details-sfc>
  </fm-topo-link-details>
</fm-topo-link-information>
</fm-topo-link>
</fm-topology>

```

#### Description

#### <fm-topo-link-details-sfc>

##### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information-sgl>
      <fm-topo-link-details>
        <fm-topo-link-details-sfc>
          <source-pfe-xc-link>
            source-pfe-xc-link
          </source-pfe-xc-link>
          <dest-pfe-xc-link>
            dest-pfe-xc-link
          </dest-pfe-xc-link>
          <vcSEL-status>
            vcSEL-status
          </vcSEL-status>
          <hsl2-channel>
            hsl2-channel
          </hsl2-channel>
          <hsl2-status>
            hsl2-status
          </hsl2-status>
        </fm-topo-link-details-sfc>
      </fm-topo-link-details>
    </fm-topo-link-information-sgl>
  </fm-topo-link>
</fm-topology>

```

#### Description

#### <fm-topo-link-details-sfc>

##### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-details>
          <fm-topo-link-details-sfc>
            <source-pfe-xc-link>
              source-pfe-xc-link
            </source-pfe-xc-link>
            <dest-pfe-xc-link>

```

```
    dest-pfe-xc-link
  </dest-pfe-xc-link>
  <vcsl-status>
    vcsl-status
  </vcsl-status>
  <hsl2-channel>
    hsl2-channel
  </hsl2-channel>
  <hsl2-status>
    hsl2-status
  </hsl2-status>
</fm-topo-link-details-sfc>
</fm-topo-link-details>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

#### <fm-topo-link-details-sfc>

##### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-information>
          <fm-topo-link-details>
            <fm-topo-link-details-sfc>
              <source-pfe-xc-link>
                source-pfe-xc-link
              </source-pfe-xc-link>
              <dest-pfe-xc-link>
                dest-pfe-xc-link
              </dest-pfe-xc-link>
              <vcsl-status>
                vcsl-status
              </vcsl-status>
              <hsl2-channel>
                hsl2-channel
              </hsl2-channel>
              <hsl2-status>
                hsl2-status
              </hsl2-status>
            </fm-topo-link-details-sfc>
          </fm-topo-link-details>
        </fm-topo-link-information>
      </fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

## <fm-topo-link-details-sfc>

### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-information-sgl>
          <fm-topo-link-details>
            <fm-topo-link-details-sfc>
              <source-pfe-xc-link>
                source-pfe-xc-link
              </source-pfe-xc-link>
              <dest-pfe-xc-link>
                dest-pfe-xc-link
              </dest-pfe-xc-link>
              <vcSEL-status>
                vcSEL-status
              </vcSEL-status>
              <hsl2-channel>
                hsl2-channel
              </hsl2-channel>
              <hsl2-status>
                hsl2-status
              </hsl2-status>
            </fm-topo-link-details-sfc>
          </fm-topo-link-details>
        </fm-topo-link-information-sgl>
      </fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

### Description

## <fm-topo-link-fail>

### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information>
      <fm-topo-link-fail>
        <fm-topo-sib>
          fm-topo-sib
        </fm-topo-sib>
        <fm-topo-fail-msg>
          fm-topo-fail-msg
        </fm-topo-fail-msg>
      </fm-topo-link-fail>
    </fm-topo-link-information>
  </fm-topo-link>
</fm-topology>

```

**Description****<fm-topo-link-fail>****Usage**

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-information>
          <fm-topo-link-fail>
            <fm-topo-sib>
              fm-topo-sib
            </fm-topo-sib>
            <fm-topo-fail-msg>
              fm-topo-fail-msg
            </fm-topo-fail-msg>
          </fm-topo-link-fail>
        </fm-topo-link-information>
      </fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description****<fm-topo-link-fail-sgl>****Usage**

```
<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information-sgl>
      <fm-topo-link-fail-sgl>
        <fm-topo-sib>
          fm-topo-sib
        </fm-topo-sib>
        <fm-topo-fail-msg>
          fm-topo-fail-msg
        </fm-topo-fail-msg>
      </fm-topo-link-fail-sgl>
    </fm-topo-link-information-sgl>
  </fm-topo-link>
</fm-topology>
```

**Description****<fm-topo-link-fail-sgl>****Usage**

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-information-sgl>
```

```

<fm-topo-link-fail-sgl>
  <fm-topo-sib>
    fm-topo-sib
  </fm-topo-sib>
  <fm-topo-fail-msg>
    fm-topo-fail-msg
  </fm-topo-fail-msg>
</fm-topo-link-fail-sgl>
</fm-topo-link-information-sgl>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

<fm-topo-link-in-out>

#### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-details>
      <fm-topo-link-in-out>
        <fm-topo-link-type>
          fm-topo-link-type
        </fm-topo-link-type>
      </fm-topo-link-in-out>
    </fm-topo-link-details>
  </fm-topo-link>
</fm-topology>

```

#### Description

<fm-topo-link-in-out>

#### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information>
      <fm-topo-link-details>
        <fm-topo-link-in-out>
          <fm-topo-link-type>
            fm-topo-link-type
          </fm-topo-link-type>
        </fm-topo-link-in-out>
      </fm-topo-link-details>
    </fm-topo-link-information>
  </fm-topo-link>
</fm-topology>

```

#### Description

## <fm-topo-link-in-out>

### Usage

```
<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information-sgl>
      <fm-topo-link-details>
        <fm-topo-link-in-out>
          <fm-topo-link-type>
            fm-topo-link-type
          </fm-topo-link-type>
        </fm-topo-link-in-out>
      </fm-topo-link-details>
    </fm-topo-link-information-sgl>
  </fm-topo-link>
</fm-topology>
```

### Description

## <fm-topo-link-in-out>

### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-details>
          <fm-topo-link-in-out>
            <fm-topo-link-type>
              fm-topo-link-type
            </fm-topo-link-type>
          </fm-topo-link-in-out>
        </fm-topo-link-details>
      </fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

### Description

## <fm-topo-link-in-out>

### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-information>
          <fm-topo-link-details>
            <fm-topo-link-in-out>
              <fm-topo-link-type>
                fm-topo-link-type
              </fm-topo-link-type>
            </fm-topo-link-in-out>
          </fm-topo-link-details>
        </fm-topo-link-information>
      </fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```



```

    </fm-topo-link-in-out>
  </fm-topo-link-details>
</fm-topo-link-information>
</fm-topo-link>
</fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

#### <fm-topo-link-in-out>

##### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link>
        <fm-topo-link-information-sgl>
          <fm-topo-link-details>
            <fm-topo-link-in-out>
              <fm-topo-link-type>
                fm-topo-link-type
              </fm-topo-link-type>
            </fm-topo-link-in-out>
          </fm-topo-link-details>
        </fm-topo-link-information-sgl>
      </fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

#### <fm-topo-link-information>

##### Usage

```

<fm-topology>
  <fm-topo-link>
    <fm-topo-link-information>
      <fm-topo-sib>
        fm-topo-sib
      </fm-topo-sib>
      <fm-topo-dbl-line>
        fm-topo-dbl-line
      </fm-topo-dbl-line>
      <fm-topo-link-fail>....</fm-topo-link-fail>
      <fm-topo-link-details>....</fm-topo-link-details>
    </fm-topo-link-information>
  </fm-topo-link>
</fm-topology>

```

#### Description

## <fm-topo-link-information>

### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
  <fm-topology>
    <fm-topo-link>
      <fm-topo-link-information>
        <fm-topo-sib>
          fm-topo-sib
        </fm-topo-sib>
        <fm-topo-dbl-line>
          fm-topo-dbl-line
        </fm-topo-dbl-line>
        <fm-topo-link-fail>....</fm-topo-link-fail>
        <fm-topo-link-details>....</fm-topo-link-details>
      </fm-topo-link-information>
    </fm-topo-link>
  </fm-topology>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

### Description

## <fm-topo-link-information-sgl>

### Usage

```
<fm-topology>
<fm-topo-link>
  <fm-topo-link-information-sgl>
    <fm-topo-link-fail-sgl>....</fm-topo-link-fail-sgl>
    <fm-topo-link-details>....</fm-topo-link-details>
  </fm-topo-link-information-sgl>
</fm-topo-link>
</fm-topology>
```

### Description

## <fm-topo-link-information-sgl>

### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
  <fm-topology>
    <fm-topo-link>
      <fm-topo-link-information-sgl>
        <fm-topo-link-fail-sgl>....</fm-topo-link-fail-sgl>
        <fm-topo-link-details>....</fm-topo-link-details>
      </fm-topo-link-information-sgl>
    </fm-topo-link>
  </fm-topology>
</multi-routing-engine-item>
```

```
</multi-routing-engine-results>
```

#### Description

```
<fm-topo-link-src>
```

#### Usage

```
<fm-topology>
  <fm-topo-link-src-des>
    <fm-topo-link-src>
      <fm-topo-link-src-in>
        fm-topo-link-src-in
      </fm-topo-link-src-in>
      <fm-topo-link-src-out>
        fm-topo-link-src-out
      </fm-topo-link-src-out>
      <hsl2-state-src>
        hsl2-state-src
      </hsl2-state-src>
    </fm-topo-link-src>
  </fm-topo-link-src-des>
</fm-topology>
```

#### Description

```
<fm-topo-link-src>
```

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link-src-des>
        <fm-topo-link-src>
          <fm-topo-link-src-in>
            fm-topo-link-src-in
          </fm-topo-link-src-in>
          <fm-topo-link-src-out>
            fm-topo-link-src-out
          </fm-topo-link-src-out>
          <hsl2-state-src>
            hsl2-state-src
          </hsl2-state-src>
        </fm-topo-link-src>
      </fm-topo-link-src-des>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

## <fm-topo-link-src-des>

### Usage

```
<fm-topology>
  <fm-topo-link-src-des>
    <fm-topo-link-msg>
      fm-topo-link-msg
    </fm-topo-link-msg>
    <fm-topo-link-src>....</fm-topo-link-src>
    <fm-topo-link-des>....</fm-topo-link-des>
  </fm-topo-link-src-des>
</fm-topology>
```

### Description

## <fm-topo-link-src-des>

### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link-src-des>
        <fm-topo-link-msg>
          fm-topo-link-msg
        </fm-topo-link-msg>
        <fm-topo-link-src>....</fm-topo-link-src>
        <fm-topo-link-des>....</fm-topo-link-des>
      </fm-topo-link-src-des>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

### Description

## <fm-topology>

### Usage

```
<fm-topology>
  <fm-topo-link-src-des>....</fm-topo-link-src-des>
  <fm-topo-link>....</fm-topo-link>
</fm-topology>
```

### Description

## <fm-topology>

### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-topology>
      <fm-topo-link-src-des>....</fm-topo-link-src-des>
      <fm-topo-link>....</fm-topo-link>
    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

```

    </fm-topology>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

### <fm-unreachable-dest-information>

#### Usage

```

<fm-unreachable-dest-information>
  <slot>
    slot
  </slot>
  <fm-fpc-line>....</fm-fpc-line>
</fm-unreachable-dest-information>

```

**Description** Display unreachable destinations on all active planes

### <fmp-plane>

#### Usage

```

<fm-plane-state-information>
  <fmp-plane>
    <slot>
      slot
    </slot>
    <state>
      state
    </state>
    <up-time>
      up-time
    </up-time>
    <comment>
      comment
    </comment>
    <sib-name>
      sib-name
    </sib-name>
    <sib-f13-name>
      sib-f13-name
    </sib-f13-name>
    <sib-f2-name>
      sib-f2-name
    </sib-f2-name>
    <sibs-slot>
      sibs-slot
    </sibs-slot>
    <sibs2-slot>
      sibs2-slot
    </sibs2-slot>
    <plane-state>
      plane-state
    </plane-state>
  </fmp-plane>
</fm-plane-state-information>

```

```
<even-odd>
  even-odd
</even-odd>
<sibl-slot>
  sibl-slot
</sibl-slot>
<lcc-slot>
  lcc-slot
</lcc-slot>
<f13-slot>
  f13-slot
</f13-slot>
<sibl-link-state>
  sibl-link-state
</sibl-link-state>
<sgasic-number>
  sgasic-number
</sgasic-number>
<sgasic-port-number>
  sgasic-port-number
</sgasic-port-number>
<sgasic-port-link-state>
  sgasic-port-link-state
</sgasic-port-link-state>
<lcc-sgasic-number>
  lcc-sgasic-number
</lcc-sgasic-number>
<lcc-sgasic-port-number>
  lcc-sgasic-port-number
</lcc-sgasic-port-number>
<lcc-sgasic-port-link-state>
  lcc-sgasic-port-link-state
</lcc-sgasic-port-link-state>
<f2-link-state>
  f2-link-state
</f2-link-state>
<lcc-pfe-slot>
  lcc-pfe-slot
</lcc-pfe-slot>
<lcc-fpc-slot>
  lcc-fpc-slot
</lcc-fpc-slot>
<lcc-pfe-link-state>
  lcc-pfe-link-state
</lcc-pfe-link-state>
<lcc-sib-link-state>
  lcc-sib-link-state
</lcc-sib-link-state>
<fru-name>
  fru-name
</fru-name>
<fru-slot>
  fru-slot
</fru-slot>
<pfe-slot>
  pfe-slot
```

```

    </pfe-slot>
    <pfe-link-status>
      pfe-link-status
    </pfe-link-status>
  </fmp-plane>
</fm-plane-state-information>

```

#### Description

#### <fms-fpc-ln>

##### Usage

```

<fm-sib-state-information>
  <fms-sib-ln>
    <fms-fpc-ln>
      <slot>
        slot
      </slot>
      <fms-pfe-ln>....</fms-pfe-ln>
    </fms-fpc-ln>
  </fms-sib-ln>
</fm-sib-state-information>

```

#### Description

#### <fms-fpc-ln>

##### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-sib-state-information>
      <fms-sib-ln>
        <fms-fpc-ln>
          <slot>
            slot
          </slot>
          <fms-pfe-ln>....</fms-pfe-ln>
        </fms-fpc-ln>
      </fms-sib-ln>
    </fm-sib-state-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

#### <fms-lcc-ln>

##### Usage

```

<fm-sib-state-information>
  <fms-sib-ln>
    <fms-lcc-ln>
      <lcc-slot>
        lcc-slot
      </lcc-slot>
    </fms-lcc-ln>
  </fms-sib-ln>
</fm-sib-state-information>

```

```
</lcc-slot>
<fms-lcc-link-state>
  fms-lcc-link-state
</fms-lcc-link-state>
</fms-lcc-ln>
</fms-sib-ln>
</fm-sib-state-information>
```

#### Description

### <fms-lcc-ln>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
  <fm-sib-state-information>
    <fms-sib-ln>
      <fms-lcc-ln>
        <lcc-slot>
          lcc-slot
        </lcc-slot>
        <fms-lcc-link-state>
          fms-lcc-link-state
        </fms-lcc-link-state>
      </fms-lcc-ln>
    </fms-sib-ln>
  </fm-sib-state-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <fms-pfe-ln>

#### Usage

```
<fm-sib-state-information>
<fms-sib-ln>
  <fms-fpc-ln>
    <fms-pfe-ln>
      <pfe-slot>
        pfe-slot
      </pfe-slot>
      <fms-pfe-link-state>
        fms-pfe-link-state
      </fms-pfe-link-state>
    </fms-pfe-ln>
  </fms-fpc-ln>
</fms-sib-ln>
</fm-sib-state-information>
```

#### Description



### <fms-pfe-ln>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-sib-state-information>
      <fms-sib-ln>
        <fms-fpc-ln>
          <fms-pfe-ln>
            <pfe-slot>
              pfe-slot
            </pfe-slot>
            <fms-pfe-link-state>
              fms-pfe-link-state
            </fms-pfe-link-state>
          </fms-pfe-ln>
        </fms-fpc-ln>
      </fms-sib-ln>
    </fm-sib-state-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

### <fms-scc-ln>

#### Usage

```

<fm-sib-state-information>
  <fms-sib-ln>
    <fms-scc-ln>
      <fms-scc-link-state>
        fms-scc-link-state
      </fms-scc-link-state>
    </fms-scc-ln>
  </fms-sib-ln>
</fm-sib-state-information>

```

#### Description

### <fms-scc-ln>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-sib-state-information>
      <fms-sib-ln>
        <fms-scc-ln>
          <fms-scc-link-state>
            fms-scc-link-state
          </fms-scc-link-state>
        </fms-scc-ln>
      </fms-sib-ln>
    </fm-sib-state-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

```
</multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description****<fms-sib-ln>****Usage**

```
<fm-sib-state-information>
  <fms-sib-ln>
    <sib-slot>
      sib-slot
    </sib-slot>
    <sib-fm-state>
      sib-fm-state
    </sib-fm-state>
    <fms-fpc-ln>....</fms-fpc-ln>
    <fms-lcc-ln>....</fms-lcc-ln>
    <fms-scc-ln>....</fms-scc-ln>
  </fms-sib-ln>
</fm-sib-state-information>
```

**Description****<fms-sib-ln>****Usage**

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fm-sib-state-information>
      <fms-sib-ln>
        <sib-slot>
          sib-slot
        </sib-slot>
        <sib-fm-state>
          sib-fm-state
        </sib-fm-state>
        <fms-fpc-ln>....</fms-fpc-ln>
        <fms-lcc-ln>....</fms-lcc-ln>
        <fms-scc-ln>....</fms-scc-ln>
      </fms-sib-ln>
    </fm-sib-state-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description****<fpc>****Usage**

```
<fpc-information>
  <fpc>
    <slot>
```

```
    slot
  </slot>
  <logical-slot>
    logical-slot
  </logical-slot>
  <state>
    state
  </state>
  <description>
    description
  </description>
  <error-code>
    error-code
  </error-code>
  <temperature>
    temperature
  </temperature>
  <cpu-total>
    cpu-total
  </cpu-total>
  <cpu-interrupt>
    cpu-interrupt
  </cpu-interrupt>
  <cpu-less-info-str>
    cpu-less-info-str
  </cpu-less-info-str>
  <memory-dram-size>
    memory-dram-size
  </memory-dram-size>
  <memory-sram-size>
    memory-sram-size
  </memory-sram-size>
  <memory-sdram-size>
    memory-sdram-size
  </memory-sdram-size>
  <memory-rldram-size>
    memory-rldram-size
  </memory-rldram-size>
  <memory-ddr-dram-size>
    memory-ddr-dram-size
  </memory-ddr-dram-size>
  <memory-notification-sdram-size>
    memory-notification-sdram-size
  </memory-notification-sdram-size>
  <memory-heap-utilization>
    memory-heap-utilization
  </memory-heap-utilization>
  <memory-buffer-utilization>
    memory-buffer-utilization
  </memory-buffer-utilization>
  <asic-information>
    asic-information
  </asic-information>
  <start-time>
    start-time
  </start-time>
```

```
<up-time>
  up-time
</up-time>
<comment>
  comment
</comment>
<pic>....</pic>
<pic-detail>....</pic-detail>
<max-power-consumption>
  max-power-consumption
</max-power-consumption>
</fpc>
</fpc-information>
```

## Description

<fpc>

## Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
  <fpc-information>
    <fpc>
      <slot>
        slot
      </slot>
      <logical-slot>
        logical-slot
      </logical-slot>
      <state>
        state
      </state>
      <description>
        description
      </description>
      <error-code>
        error-code
      </error-code>
      <temperature>
        temperature
      </temperature>
      <cpu-total>
        cpu-total
      </cpu-total>
      <cpu-interrupt>
        cpu-interrupt
      </cpu-interrupt>
      <cpu-less-info-str>
        cpu-less-info-str
      </cpu-less-info-str>
      <memory-dram-size>
        memory-dram-size
      </memory-dram-size>
      <memory-sram-size>
        memory-sram-size
```

```

</memory-sram-size>
<memory-sdram-size>
  memory-sdram-size
</memory-sdram-size>
<memory-rldram-size>
  memory-rldram-size
</memory-rldram-size>
<memory-ddr-dram-size>
  memory-ddr-dram-size
</memory-ddr-dram-size>
<memory-notification-sdram-size>
  memory-notification-sdram-size
</memory-notification-sdram-size>
<memory-heap-utilization>
  memory-heap-utilization
</memory-heap-utilization>
<memory-buffer-utilization>
  memory-buffer-utilization
</memory-buffer-utilization>
<asic-information>
  asic-information
</asic-information>
<start-time>
  start-time
</start-time>
<up-time>
  up-time
</up-time>
<comment>
  comment
</comment>
<pic>....</pic>
<pic-detail>....</pic-detail>
<max-power-consumption>
  max-power-consumption
</max-power-consumption>
</fpc>
</fpc-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

<fpc>

## Usage

```

<poe>
  <fpc-information>
    <fpc>
      <slot>
        slot
      </slot>
      <logical-slot>
        logical-slot
      </logical-slot>

```

```
<state>
  state
</state>
<description>
  description
</description>
<error-code>
  error-code
</error-code>
<temperature>
  temperature
</temperature>
<cpu-total>
  cpu-total
</cpu-total>
<cpu-interrupt>
  cpu-interrupt
</cpu-interrupt>
<cpu-less-info-str>
  cpu-less-info-str
</cpu-less-info-str>
<memory-dram-size>
  memory-dram-size
</memory-dram-size>
<memory-sram-size>
  memory-sram-size
</memory-sram-size>
<memory-sdram-size>
  memory-sdram-size
</memory-sdram-size>
<memory-rldram-size>
  memory-rldram-size
</memory-rldram-size>
<memory-ddr-dram-size>
  memory-ddr-dram-size
</memory-ddr-dram-size>
<memory-notification-sdram-size>
  memory-notification-sdram-size
</memory-notification-sdram-size>
<memory-heap-utilization>
  memory-heap-utilization
</memory-heap-utilization>
<memory-buffer-utilization>
  memory-buffer-utilization
</memory-buffer-utilization>
<asic-information>
  asic-information
</asic-information>
<start-time>
  start-time
</start-time>
<up-time>
  up-time
</up-time>
<comment>
  comment
```

```

</comment>
<pic>....</pic>
<pic-detail>....</pic-detail>
<max-power-consumption>
  max-power-consumption
</max-power-consumption>
</fpc>
</fpc-information>
</poe>

```

#### Description

### <fpc-fabric-upgrade-bw-info-item>

#### Usage

```

<fabric-mx-upgrade-bw>
  <fpc-fabric-upgrade-bw-info-item>
    <fpc-slot-num>
      fpc-slot-num
    </fpc-slot-num>
    <fpc-fab-state>
      fpc-fab-state
    </fpc-fab-state>
  </fpc-fabric-upgrade-bw-info-item>
</fabric-mx-upgrade-bw>

```

**Description** FPC state information with respect to fabric bandwidth

### <fpc-fabric-upgrade-bw-retrain-single-item>

#### Usage

```

<fabric-mx-upgrade-bw>
  <fpc-fabric-upgrade-bw-retrain-single-item>
    <fpc-fabric-retrain-state>
      fpc-fabric-retrain-state
    </fpc-fabric-retrain-state>
  </fpc-fabric-upgrade-bw-retrain-single-item>
</fabric-mx-upgrade-bw>

```

**Description** FPC-fabric link training info with respect to upgrade

### <fpc-fabric-upgrade-bw-retrain-summary-item>

#### Usage

```

<fabric-mx-upgrade-bw>
  <fpc-fabric-upgrade-bw-retrain-summary-item>
    <fpc-fabric-retrain-summary>
      fpc-fabric-retrain-summary
    </fpc-fabric-retrain-summary>
  </fpc-fabric-upgrade-bw-retrain-summary-item>

```

</fabric-mx-upgrade-bw>

**Description** FPC-fabric link training summary

## <fpc-feb-connectivity>

### Usage

```
<fpc-feb-connectivity>
  <fpc-feb-connectivity-item>....</fpc-feb-connectivity-item>
</fpc-feb-connectivity>
```

**Description** Information about connectivity between FPCs and FEBs

## <fpc-feb-connectivity-item>

### Usage

```
<fpc-feb-connectivity>
  <fpc-feb-connectivity-item>
    <fpc-slot>
      fpc-slot
    </fpc-slot>
    <fpc-type>
      fpc-type
    </fpc-type>
    <fpc-state>
      fpc-state
    </fpc-state>
    <feb-slot>
      feb-slot
    </feb-slot>
    <no-feb-slot>
      no-feb-slot
    </no-feb-slot>
    <feb-state>
      feb-state
    </feb-state>
    <fpc-link-status>
      fpc-link-status
    </fpc-link-status>
  </fpc-feb-connectivity-item>
</fpc-feb-connectivity>
```

**Description** FEB connectivity information for an FPC

## <fpc-information>

### Usage

```
<fpc-information>
  <fpc>....</fpc>
  <fpc-slot>
    fpc-slot
```



```

</fpc-slot>
<fpc-power-limit>
  fpc-power-limit
</fpc-power-limit>
<fpc-priority>
  fpc-priority
</fpc-priority>
<fpc-power>
  fpc-power
</fpc-power>
<fpc-status>
  fpc-status
</fpc-status>
<fpc-firmware-version>
  fpc-firmware-version
</fpc-firmware-version>
</fpc-information>

```

#### Description

<fpc-information>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fpc-information>
      <fpc>....</fpc>
      <fpc-slot>
        fpc-slot
      </fpc-slot>
      <fpc-power-limit>
        fpc-power-limit
      </fpc-power-limit>
      <fpc-priority>
        fpc-priority
      </fpc-priority>
      <fpc-power>
        fpc-power
      </fpc-power>
      <fpc-status>
        fpc-status
      </fpc-status>
      <fpc-firmware-version>
        fpc-firmware-version
      </fpc-firmware-version>
    </fpc-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

## <fpc-information>

### Usage

```
<poe>
  <fpc-information>
    <fpc>....</fpc>
    <fpc-slot>
      fpc-slot
    </fpc-slot>
    <fpc-power-limit>
      fpc-power-limit
    </fpc-power-limit>
    <fpc-priority>
      fpc-priority
    </fpc-priority>
    <fpc-power>
      fpc-power
    </fpc-power>
    <fpc-status>
      fpc-status
    </fpc-status>
    <fpc-firmware-version>
      fpc-firmware-version
    </fpc-firmware-version>
  </fpc-information>
</poe>
```

### Description

## <fpc-mac-information>

### Usage

```
<chassis-mac-information>
  <fpc-mac-information>
    <slot>
      slot
    </slot>
    <mac-address>
      mac-address
    </mac-address>
    <count>
      count
    </count>
  </fpc-mac-information>
</chassis-mac-information>
```

**Description**    MAC address block information

## <fpga-registers>

### Usage

```
<environment-component-information>
  <environment-component-item>
```

```

    <fpga-registers>
      <fpga-registers-name>
        fpga-registers-name
      </fpga-registers-name>
      <fpga-registers-value>
        fpga-registers-value
      </fpga-registers-value>
    </fpga-registers>
  </environment-component-item>
</environment-component-information>

```

**Description** FPGA register values

### <fpga-revision-detail>

#### Usage

```

<environment-component-information>
  <environment-component-item>
    <fpga-revision-detail>
      <fpga-revision-name>
        fpga-revision-name
      </fpga-revision-name>
      <fpga-revision-value>
        fpga-revision-value
      </fpga-revision-value>
    </fpga-revision-detail>
  </environment-component-item>
</environment-component-information>

```

**Description** FPGA revision in detail

### <front-panel>

#### Usage

```

<front-panel>
  <front-panel-title>....</front-panel-title>
  <display-panel>....</display-panel>
  <system-led>....</system-led>
  <interface-led>....</interface-led>
</front-panel>

```

**Description** Information from the LCD-LED interfaces

### <front-panel>

#### Usage

```

<get-craft-information>
  <front-panel>
    <front-panel-title>....</front-panel-title>
    <display-panel>....</display-panel>
    <system-led>....</system-led>
  </front-panel>

```

```
<interface-led>....</interface-led>
</front-panel>
</get-craft-information>
```

**Description** Information from the LCD-LED interfaces

## <front-panel-title>

### Usage

```
<front-panel>
  <front-panel-title>
    <name>
      name
    </name>
  </front-panel-title>
</front-panel>
```

**Description**

## <front-panel-title>

### Usage

```
<get-craft-information>
  <front-panel>
    <front-panel-title>
      <name>
        name
      </name>
    </front-panel-title>
  </front-panel>
</get-craft-information>
```

**Description**

## <fru>

### Usage

```
<fru-information>
  <fru>
    <slot>
      slot
    </slot>
    <state>
      state
    </state>
    <up-time>
      up-time
    </up-time>
    <comment>
      comment
    </comment>
  </fru>
```

```
</fru-information>
```

**Description**

**<fru-information>**

**Usage**

```
<fru-information>
  <fru>....</fru>
</fru-information>
```

**Description**

**<fru-power-on-sequence>**

**Usage**

```
<fru-power-on-sequence>
  <sequence>
    sequence
  </sequence>
</fru-power-on-sequence>
```

**Description** Chassis FRU Power On Sequence

**<get-craft-information>**

**Usage**

```
<get-craft-information>
  <front-panel>....</front-panel>
</get-craft-information>
```

**Description** Information from the LCD interface and, if applicable, theof the status LEDs on the front panels of other components installedin the chassis

**<hardware-version-information>**

**Usage**

```
<hardware-version-information>
  <chassis-version>....</chassis-version>
</hardware-version-information>
```

**Description** Firmware version information of hardware components

**<hchasd>**

**Usage**

```
<hchasd-information>
  <hchasd>
    <slot>
```

```
    slot
  </slot>
  <item>
    item
  </item>
  <state>
    state
  </state>
  <desc>
    desc
  </desc>
  <count>
    count
  </count>
  <model>
    model
  </model>
  <item1>
    item1
  </item1>
  <desc1>
    desc1
  </desc1>
  <count1>
    count1
  </count1>
  <model1>
    model1
  </model1>
  <cpu-interrupt>
    cpu-interrupt
  </cpu-interrupt>
  <memory-dram-size>
    memory-dram-size
  </memory-dram-size>
  <memory-buffer-utilization>
    memory-buffer-utilization
  </memory-buffer-utilization>
  <memory-active>
    memory-active
  </memory-active>
  <memory-inactive>
    memory-inactive
  </memory-inactive>
  <memory-wired>
    memory-wired
  </memory-wired>
  <memory-cache>
    memory-cache
  </memory-cache>
  <memory-buffer>
    memory-buffer
  </memory-buffer>
  <memory-free>
    memory-free
  </memory-free>
```

```
<cpu-user>
  cpu-user
</cpu-user>
<cpu-real-time>
  cpu-real-time
</cpu-real-time>
<cpu-background>
  cpu-background
</cpu-background>
<cpu-system>
  cpu-system
</cpu-system>
<cpu-idle>
  cpu-idle
</cpu-idle>
<start-time>
  start-time
</start-time>
<up-time>
  up-time
</up-time>
<serial-number>
  serial-number
</serial-number>
<model-number>
  model-number
</model-number>
<temperature1>
  temperature1
</temperature1>
<temperature2>
  temperature2
</temperature2>
<temperature3>
  temperature3
</temperature3>
<temperature4>
  temperature4
</temperature4>
<temperature5>
  temperature5
</temperature5>
<temperature6>
  temperature6
</temperature6>
<fanspeed1>
  fanspeed1
</fanspeed1>
<fanspeed2>
  fanspeed2
</fanspeed2>
<fanspeed3>
  fanspeed3
</fanspeed3>
<load-average-one>
  load-average-one
```

```
</load-average-one>
<load-average-five>
  load-average-five
</load-average-five>
<load-average-fifteen>
  load-average-fifteen
</load-average-fifteen>
<version>
  version
</version>
<version1>
  version1
</version1>
</hchasd>
</hchasd-information>
```

#### Description

<hchasd-information>

#### Usage

```
<hchasd-information>
<hchasd>....</hchasd>
</hchasd-information>
```

#### Description

<i2c-information>

#### Usage

```
<i2c-information>
<jedec-code>
  jedec-code
</jedec-code>
<eeprom-version>
  eeprom-version
</eeprom-version>
<part-number>
  part-number
</part-number>
<serial-number>
  serial-number
</serial-number>
<model-number>
  model-number
</model-number>
<clei-code>
  clei-code
</clei-code>
<assembly-identifier>
  assembly-identifier
</assembly-identifier>
<assembly-version>
  assembly-version
```



```

</assembly-version>
<manufacture-date>
  manufacture-date
</manufacture-date>
<assembly-flags>
  assembly-flags
</assembly-flags>
<i2c-version>
  i2c-version
</i2c-version>
<i2c-identifier>
  i2c-identifier
</i2c-identifier>
<i2c-data>
  i2c-data
</i2c-data>
<board-information-record>
  board-information-record
</board-information-record>
</i2c-information>

```

#### Description

#### <i2c-information>

#### Usage

```

<chassis-inventory>
<chassis>
  <i2c-information>
    <jedec-code>
      jedec-code
    </jedec-code>
    <eeprom-version>
      eeprom-version
    </eeprom-version>
    <part-number>
      part-number
    </part-number>
    <serial-number>
      serial-number
    </serial-number>
    <model-number>
      model-number
    </model-number>
    <clei-code>
      clei-code
    </clei-code>
    <assembly-identifier>
      assembly-identifier
    </assembly-identifier>
    <assembly-version>
      assembly-version
    </assembly-version>
    <manufacture-date>
      manufacture-date

```

```
</manufacture-date>
<assembly-flags>
  assembly-flags
</assembly-flags>
<i2c-version>
  i2c-version
</i2c-version>
<i2c-identifier>
  i2c-identifier
</i2c-identifier>
<i2c-data>
  i2c-data
</i2c-data>
<board-information-record>
  board-information-record
</board-information-record>
</i2c-information>
</chassis>
</chassis-inventory>
```

## Description

### <i2c-information>

#### Usage

```
<chassis-inventory>
<chassis>
  <chassis-module>
    <i2c-information>
      <jedec-code>
        jedec-code
      </jedec-code>
      <eeprom-version>
        eeprom-version
      </eeprom-version>
      <part-number>
        part-number
      </part-number>
      <serial-number>
        serial-number
      </serial-number>
      <model-number>
        model-number
      </model-number>
      <clei-code>
        clei-code
      </clei-code>
      <assembly-identifier>
        assembly-identifier
      </assembly-identifier>
      <assembly-version>
        assembly-version
      </assembly-version>
      <manufacture-date>
        manufacture-date
```

```

</manufacture-date>
<assembly-flags>
  assembly-flags
</assembly-flags>
<i2c-version>
  i2c-version
</i2c-version>
<i2c-identifier>
  i2c-identifier
</i2c-identifier>
<i2c-data>
  i2c-data
</i2c-data>
<board-information-record>
  board-information-record
</board-information-record>
</i2c-information>
</chassis-module>
</chassis>
</chassis-inventory>

```

## Description

### <i2c-information>

#### Usage

```

<chassis-inventory>
<chassis>
  <chassis-module>
    <chassis-sub-module>
      <i2c-information>
        <jedec-code>
          jedec-code
        </jedec-code>
        <eeprom-version>
          eeprom-version
        </eeprom-version>
        <part-number>
          part-number
        </part-number>
        <serial-number>
          serial-number
        </serial-number>
        <model-number>
          model-number
        </model-number>
        <clei-code>
          clei-code
        </clei-code>
        <assembly-identifier>
          assembly-identifier
        </assembly-identifier>
        <assembly-version>
          assembly-version
        </assembly-version>
      </i2c-information>
    </chassis-sub-module>
  </chassis-module>
</chassis>
</chassis-inventory>

```

```
<manufacture-date>
  manufacture-date
</manufacture-date>
<assembly-flags>
  assembly-flags
</assembly-flags>
<i2c-version>
  i2c-version
</i2c-version>
<i2c-identifier>
  i2c-identifier
</i2c-identifier>
<i2c-data>
  i2c-data
</i2c-data>
<board-information-record>
  board-information-record
</board-information-record>
</i2c-information>
</chassis-sub-module>
</chassis-module>
</chassis>
</chassis-inventory>
```

## Description

### <i2c-information>

#### Usage

```
<firmware-information>
<chassis>
  <i2c-information>
    <jedec-code>
      jedec-code
    </jedec-code>
    <eeprom-version>
      eeprom-version
    </eeprom-version>
    <part-number>
      part-number
    </part-number>
    <serial-number>
      serial-number
    </serial-number>
    <model-number>
      model-number
    </model-number>
    <clei-code>
      clei-code
    </clei-code>
    <assembly-identifier>
      assembly-identifier
    </assembly-identifier>
    <assembly-version>
      assembly-version
```

```

</assembly-version>
<manufacture-date>
  manufacture-date
</manufacture-date>
<assembly-flags>
  assembly-flags
</assembly-flags>
<i2c-version>
  i2c-version
</i2c-version>
<i2c-identifier>
  i2c-identifier
</i2c-identifier>
<i2c-data>
  i2c-data
</i2c-data>
<board-information-record>
  board-information-record
</board-information-record>
</i2c-information>
</chassis>
</firmware-information>

```

## Description

### <i2c-information>

#### Usage

```

<firmware-information>
<chassis>
<chassis-module>
<i2c-information>
  <jedec-code>
    jedec-code
  </jedec-code>
  <eeprom-version>
    eeprom-version
  </eeprom-version>
  <part-number>
    part-number
  </part-number>
  <serial-number>
    serial-number
  </serial-number>
  <model-number>
    model-number
  </model-number>
  <clei-code>
    clei-code
  </clei-code>
  <assembly-identifier>
    assembly-identifier
  </assembly-identifier>
<assembly-version>
  assembly-version

```

```
</assembly-version>
<manufacture-date>
  manufacture-date
</manufacture-date>
<assembly-flags>
  assembly-flags
</assembly-flags>
<i2c-version>
  i2c-version
</i2c-version>
<i2c-identifier>
  i2c-identifier
</i2c-identifier>
<i2c-data>
  i2c-data
</i2c-data>
<board-information-record>
  board-information-record
</board-information-record>
</i2c-information>
</chassis-module>
</chassis>
</firmware-information>
```

## Description

### <i2c-information>

#### Usage

```
<firmware-information>
<chassis>
<chassis-module>
<chassis-sub-module>
  <i2c-information>
    <jedec-code>
      jedec-code
    </jedec-code>
    <eeprom-version>
      eeprom-version
    </eeprom-version>
    <part-number>
      part-number
    </part-number>
    <serial-number>
      serial-number
    </serial-number>
    <model-number>
      model-number
    </model-number>
    <clei-code>
      clei-code
    </clei-code>
    <assembly-identifier>
      assembly-identifier
    </assembly-identifier>
```

```

<assembly-version>
  assembly-version
</assembly-version>
<manufacture-date>
  manufacture-date
</manufacture-date>
<assembly-flags>
  assembly-flags
</assembly-flags>
<i2c-version>
  i2c-version
</i2c-version>
<i2c-identifier>
  i2c-identifier
</i2c-identifier>
<i2c-data>
  i2c-data
</i2c-data>
<board-information-record>
  board-information-record
</board-information-record>
</i2c-information>
</chassis-sub-module>
</chassis-module>
</chassis>
</firmware-information>

```

## Description

### <i2c-information>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassis-inventory>
      <chassis>
        <i2c-information>
          <jedec-code>
            jedec-code
          </jedec-code>
          <eeprom-version>
            eeprom-version
          </eeprom-version>
          <part-number>
            part-number
          </part-number>
          <serial-number>
            serial-number
          </serial-number>
          <model-number>
            model-number
          </model-number>
          <clei-code>
            clei-code
          </clei-code>

```

```
<assembly-identifier>
  assembly-identifier
</assembly-identifier>
<assembly-version>
  assembly-version
</assembly-version>
<manufacture-date>
  manufacture-date
</manufacture-date>
<assembly-flags>
  assembly-flags
</assembly-flags>
<i2c-version>
  i2c-version
</i2c-version>
<i2c-identifier>
  i2c-identifier
</i2c-identifier>
<i2c-data>
  i2c-data
</i2c-data>
<board-information-record>
  board-information-record
</board-information-record>
</i2c-information>
</chassis>
</chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

### <i2c-information>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<chassis-inventory>
<chassis>
<chassis-module>
<i2c-information>
<jedec-code>
  jedec-code
</jedec-code>
<eeprom-version>
  eeprom-version
</eeprom-version>
<part-number>
  part-number
</part-number>
<serial-number>
  serial-number
</serial-number>
<model-number>
  model-number
```



```

</model-number>
<clei-code>
  clei-code
</clei-code>
<assembly-identifier>
  assembly-identifier
</assembly-identifier>
<assembly-version>
  assembly-version
</assembly-version>
<manufacture-date>
  manufacture-date
</manufacture-date>
<assembly-flags>
  assembly-flags
</assembly-flags>
<i2c-version>
  i2c-version
</i2c-version>
<i2c-identifier>
  i2c-identifier
</i2c-identifier>
<i2c-data>
  i2c-data
</i2c-data>
<board-information-record>
  board-information-record
</board-information-record>
</i2c-information>
</chassis-module>
</chassis>
</chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

### <i2c-information>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <chassis-inventory>
      <chassis>
        <chassis-module>
          <chassis-sub-module>
            <i2c-information>
              <jedec-code>
                jedec-code
              </jedec-code>
              <eeprom-version>
                eeprom-version
              </eeprom-version>
              <part-number>
                part-number
            </i2c-information>
          </chassis-sub-module>
        </chassis-module>
      </chassis>
    </chassis-inventory>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

```
</part-number>
<serial-number>
  serial-number
</serial-number>
<model-number>
  model-number
</model-number>
<clei-code>
  clei-code
</clei-code>
<assembly-identifier>
  assembly-identifier
</assembly-identifier>
<assembly-version>
  assembly-version
</assembly-version>
<manufacture-date>
  manufacture-date
</manufacture-date>
<assembly-flags>
  assembly-flags
</assembly-flags>
<i2c-version>
  i2c-version
</i2c-version>
<i2c-identifier>
  i2c-identifier
</i2c-identifier>
<i2c-data>
  i2c-data
</i2c-data>
<board-information-record>
  board-information-record
</board-information-record>
</i2c-information>
</chassis-sub-module>
</chassis-module>
</chassis>
</chassis-inventory>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

### <i2c-information>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
<firmware-information>
<chassis>
  <i2c-information>
    <jedec-code>
      jedec-code
    </jedec-code>
```

```

    <eeprom-version>
      eeprom-version
    </eeprom-version>
    <part-number>
      part-number
    </part-number>
    <serial-number>
      serial-number
    </serial-number>
    <model-number>
      model-number
    </model-number>
    <clei-code>
      clei-code
    </clei-code>
    <assembly-identifier>
      assembly-identifier
    </assembly-identifier>
    <assembly-version>
      assembly-version
    </assembly-version>
    <manufacture-date>
      manufacture-date
    </manufacture-date>
    <assembly-flags>
      assembly-flags
    </assembly-flags>
    <i2c-version>
      i2c-version
    </i2c-version>
    <i2c-identifier>
      i2c-identifier
    </i2c-identifier>
    <i2c-data>
      i2c-data
    </i2c-data>
    <board-information-record>
      board-information-record
    </board-information-record>
  </i2c-information>
</chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

### <i2c-information>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <firmware-information>
      <chassis>
        <chassis-module>

```

```
<i2c-information>
  <jedec-code>
    jedec-code
  </jedec-code>
  <eeprom-version>
    eeprom-version
  </eeprom-version>
  <part-number>
    part-number
  </part-number>
  <serial-number>
    serial-number
  </serial-number>
  <model-number>
    model-number
  </model-number>
  <clei-code>
    clei-code
  </clei-code>
  <assembly-identifier>
    assembly-identifier
  </assembly-identifier>
  <assembly-version>
    assembly-version
  </assembly-version>
  <manufacture-date>
    manufacture-date
  </manufacture-date>
  <assembly-flags>
    assembly-flags
  </assembly-flags>
  <i2c-version>
    i2c-version
  </i2c-version>
  <i2c-identifier>
    i2c-identifier
  </i2c-identifier>
  <i2c-data>
    i2c-data
  </i2c-data>
  <board-information-record>
    board-information-record
  </board-information-record>
</i2c-information>
</chassis-module>
</chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

## Description

## &lt;i2c-information&gt;

## Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <firmware-information>
      <chassis>
        <chassis-module>
          <chassis-sub-module>
            <i2c-information>
              <jedec-code>
                jedec-code
              </jedec-code>
              <eeprom-version>
                eeprom-version
              </eeprom-version>
              <part-number>
                part-number
              </part-number>
              <serial-number>
                serial-number
              </serial-number>
              <model-number>
                model-number
              </model-number>
              <clei-code>
                clei-code
              </clei-code>
              <assembly-identifier>
                assembly-identifier
              </assembly-identifier>
              <assembly-version>
                assembly-version
              </assembly-version>
              <manufacture-date>
                manufacture-date
              </manufacture-date>
              <assembly-flags>
                assembly-flags
              </assembly-flags>
              <i2c-version>
                i2c-version
              </i2c-version>
              <i2c-identifier>
                i2c-identifier
              </i2c-identifier>
              <i2c-data>
                i2c-data
              </i2c-data>
              <board-information-record>
                board-information-record
              </board-information-record>
            </i2c-information>
          </chassis-sub-module>
        </chassis-module>
      </chassis>
    </firmware-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

```
</chassis>
</firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <in-service-upgrade-fru-status>

#### Usage

```
<in-service-upgrade-status>
  <in-service-upgrade-fru-status>
    <fru-name>
      fru-name
    </fru-name>
    <fru-status>
      fru-status
    </fru-status>
    <fru-reason>
      fru-reason
    </fru-reason>
    <in-service-upgrade-pic-status>....</in-service-upgrade-pic-status>
  </in-service-upgrade-fru-status>
</in-service-upgrade-status>
```

**Description** In-Service Software Upgrade status for chassis

### <in-service-upgrade-pic-status>

#### Usage

```
<in-service-upgrade-status>
  <in-service-upgrade-fru-status>
    <in-service-upgrade-pic-status>
      <fru-name>
        fru-name
      </fru-name>
      <fru-status>
        fru-status
      </fru-status>
      <fru-reason>
        fru-reason
      </fru-reason>
    </in-service-upgrade-pic-status>
  </in-service-upgrade-fru-status>
</in-service-upgrade-status>
```

#### Description

### <in-service-upgrade-status>

#### Usage

```
<in-service-upgrade-status>
```

```
<in-service-upgrade-fru-status>....</in-service-upgrade-fru-status>
</in-service-upgrade-status>
```

#### Description

### <initial-setup-status-information>

#### Usage

```
<initial-setup-status-information>
  <initial-setup-state>
    initial-setup-state
  </initial-setup-state>
</initial-setup-status-information>
```

**Description** Initial setup status

### <input-voltage>

#### Usage

```
<environment-component-information>
  <environment-component-item>
    <input-voltage>
      <voltage-name>
        voltage-name
      </voltage-name>
      <voltage-value>
        voltage-value
      </voltage-value>
    </input-voltage>
  </environment-component-item>
</environment-component-information>
```

#### Description

### <interface-information>

#### Usage

```
<tdr>
  <interface-information>
    <tdr-interface-name>
      tdr-interface-name
    </tdr-interface-name>
    <interface-test-status>
      interface-test-status
    </interface-test-status>
    <interface-link-status>
      interface-link-status
    </interface-link-status>
    <interface-cable-status>
      interface-cable-status
    </interface-cable-status>
    <interface-distance-fault>
```

```
        interface-distance-fault
      </interface-distance-fault>
    <interface-name>
      interface-name
    </interface-name>
    <interface-enabled>
      interface-enabled
    </interface-enabled>
    <interface-status>
      interface-status
    </interface-status>
    <interface-power-limit>
      interface-power-limit
    </interface-power-limit>
    <interface-priority>
      interface-priority
    </interface-priority>
    <interface-power>
      interface-power
    </interface-power>
    <interface-asterisk>
      interface-asterisk
    </interface-asterisk>
    <interface-class>
      interface-class
    </interface-class>
  </interface-information>
</tdr>
```

#### Description

<interface-information>

#### Usage

```
<poe>
  <interface-information>
    <tdr-interface-name>
      tdr-interface-name
    </tdr-interface-name>
    <interface-test-status>
      interface-test-status
    </interface-test-status>
    <interface-link-status>
      interface-link-status
    </interface-link-status>
    <interface-cable-status>
      interface-cable-status
    </interface-cable-status>
    <interface-distance-fault>
      interface-distance-fault
    </interface-distance-fault>
    <interface-name>
      interface-name
    </interface-name>
    <interface-enabled>
```



```

    interface-enabled
  </interface-enabled>
  <interface-status>
    interface-status
  </interface-status>
  <interface-power-limit>
    interface-power-limit
  </interface-power-limit>
  <interface-priority>
    interface-priority
  </interface-priority>
  <interface-power>
    interface-power
  </interface-power>
  <interface-asterisk>
    interface-asterisk
  </interface-asterisk>
  <interface-class>
    interface-class
  </interface-class>
</interface-information>
</poe>

```

## Description

### <interface-information-detail>

#### Usage

```

<tdr>
  <interface-information-detail>
    <tdr-interface-name>
      tdr-interface-name
    </tdr-interface-name>
    <interface-test-status>
      interface-test-status
    </interface-test-status>
    <interface-link-status>
      interface-link-status
    </interface-link-status>
    <interface-pair-detail>
      interface-pair-detail
    </interface-pair-detail>
    <interface-cable-status>
      interface-cable-status
    </interface-cable-status>
    <interface-distance-fault>
      interface-distance-fault
    </interface-distance-fault>
    <interface-polarity-swap-detail>
      interface-polarity-swap-detail
    </interface-polarity-swap-detail>
    <interface-skew-time-detail>
      interface-skew-time-detail
    </interface-skew-time-detail>
    <interface-channel-pair-detail>

```

```
    interface-channel-pair-detail
  </interface-channel-pair-detail>
  <interface-pair-swap-detail>
    interface-pair-swap-detail
  </interface-pair-swap-detail>
  <interface-downshift-detail>
    interface-downshift-detail
  </interface-downshift-detail>
  <interface-name-detail>
    interface-name-detail
  </interface-name-detail>
  <interface-enabled-detail>
    interface-enabled-detail
  </interface-enabled-detail>
  <interface-status-detail>
    interface-status-detail
  </interface-status-detail>
  <interface-power-limit-detail>
    interface-power-limit-detail
  </interface-power-limit-detail>
  <interface-priority-detail>
    interface-priority-detail
  </interface-priority-detail>
  <interface-power-detail>
    interface-power-detail
  </interface-power-detail>
  <interface-detail-asterisk>
    interface-detail-asterisk
  </interface-detail-asterisk>
  <interface-class-detail>
    interface-class-detail
  </interface-class-detail>
  <interface-mode-detail>
    interface-mode-detail
  </interface-mode-detail>
</interface-information-detail>
</tdr>
```

## Description

### <interface-information-detail>

#### Usage

```
<poe>
  <interface-information-detail>
    <tdr-interface-name>
      tdr-interface-name
    </tdr-interface-name>
    <interface-test-status>
      interface-test-status
    </interface-test-status>
    <interface-link-status>
      interface-link-status
    </interface-link-status>
    <interface-pair-detail>
```

```

    interface-pair-detail
  </interface-pair-detail>
  <interface-cable-status>
    interface-cable-status
  </interface-cable-status>
  <interface-distance-fault>
    interface-distance-fault
  </interface-distance-fault>
  <interface-polarity-swap-detail>
    interface-polarity-swap-detail
  </interface-polarity-swap-detail>
  <interface-skew-time-detail>
    interface-skew-time-detail
  </interface-skew-time-detail>
  <interface-channel-pair-detail>
    interface-channel-pair-detail
  </interface-channel-pair-detail>
  <interface-pair-swap-detail>
    interface-pair-swap-detail
  </interface-pair-swap-detail>
  <interface-downshift-detail>
    interface-downshift-detail
  </interface-downshift-detail>
  <interface-name-detail>
    interface-name-detail
  </interface-name-detail>
  <interface-enabled-detail>
    interface-enabled-detail
  </interface-enabled-detail>
  <interface-status-detail>
    interface-status-detail
  </interface-status-detail>
  <interface-power-limit-detail>
    interface-power-limit-detail
  </interface-power-limit-detail>
  <interface-priority-detail>
    interface-priority-detail
  </interface-priority-detail>
  <interface-power-detail>
    interface-power-detail
  </interface-power-detail>
  <interface-detail-asterisk>
    interface-detail-asterisk
  </interface-detail-asterisk>
  <interface-class-detail>
    interface-class-detail
  </interface-class-detail>
  <interface-mode-detail>
    interface-mode-detail
  </interface-mode-detail>
</interface-information-detail>
</poe>

```

## Description

## <interface-led>

### Usage

```
<front-panel>
  <interface-led>
    <interface-display-title>
      interface-display-title
    </interface-display-title>
    <interface-led-display>....</interface-led-display>
  </interface-led>
</front-panel>
```

**Description** State of the Interface LEDs on the front panel

## <interface-led>

### Usage

```
<get-craft-information>
  <front-panel>
    <interface-led>
      <interface-display-title>
        interface-display-title
      </interface-display-title>
      <interface-led-display>....</interface-led-display>
    </interface-led>
  </front-panel>
</get-craft-information>
```

**Description** State of the Interface LEDs on the front panel

## <interface-led-display>

### Usage

```
<front-panel>
  <interface-led>
    <interface-led-display>
      <interface-name>
        interface-name
      </interface-name>
      <led-status>
        led-status
      </led-status>
    </interface-led-display>
  </interface-led>
</front-panel>
```

**Description**

**<interface-led-display>****Usage**

```

<get-craft-information>
  <front-panel>
    <interface-led>
      <interface-led-display>
        <interface-name>
          interface-name
        </interface-name>
        <led-status>
          led-status
        </led-status>
      </interface-led-display>
    </interface-led>
  </front-panel>
</get-craft-information>

```

**Description****<ioc-npc-connectivity>****Usage**

```

<ioc-npc-connectivity>
  <ioc-npc-connectivity-item>....</ioc-npc-connectivity-item>
</ioc-npc-connectivity>

```

**Description** Information about connectivity between IOCs and NPCs

**<ioc-npc-connectivity-item>****Usage**

```

<ioc-npc-connectivity>
  <ioc-npc-connectivity-item>
    <ioc-slot>
      ioc-slot
    </ioc-slot>
    <ioc-type>
      ioc-type
    </ioc-type>
    <ioc-state>
      ioc-state
    </ioc-state>
    <npc-slot>
      npc-slot
    </npc-slot>
    <no-npc-slot>
      no-npc-slot
    </no-npc-slot>
    <npc-state>
      npc-state
    </npc-state>
    <fpc-link-status>

```

```
fpc-link-status
</fpc-link-status>
</ioc-npc-connectivity-item>
</ioc-npc-connectivity>
```

**Description** NPC connectivity information for an IOC

## <lcc>

### Usage

```
<lcc-information>
<lcc>
  <slot>
    slot
  </slot>
  <state>
    state
  </state>
  <up-time>
    up-time
  </up-time>
  <comment>
    comment
  </comment>
</lcc>
</lcc-information>
```

### Description

## <lcc-information>

### Usage

```
<lcc-information>
<lcc>....</lcc>
</lcc-information>
```

### Description

## <marked-as-failed-source>

### Usage

```
<clock-synchronization-information>
<clock-synchronization>
  <marked-as-failed-source-list>
    <marked-as-failed-source>
      <source-name>
        source-name
      </source-name>
    </marked-as-failed-source>
  </marked-as-failed-source-list>
</clock-synchronization>
```

```
</clock-synchronization-information>
```

#### Description

#### <marked-as-failed-source-list>

##### Usage

```
<clock-synchronization-information>
  <clock-synchronization>
    <marked-as-failed-source-list>
      <marked-as-failed-source>....</marked-as-failed-source>
    </marked-as-failed-source-list>
  </clock-synchronization>
</clock-synchronization-information>
```

#### Description

#### <multi-routing-engine-item>

##### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <re-name>
      re-name
    </re-name>
    <chassis-location-information>....</chassis-location-information>
    <chassisd-database-memory-usage>....</chassisd-database-memory-usage>
    <chassis-inventory>....</chassis-inventory>
    <environment-information>....</environment-information>
    <fpc-information>....</fpc-information>
    <fm-topology>....</fm-topology>
    <spmb-information>....</spmb-information>
    <sib-information>....</sib-information>
    <fm-fpc-state-information>....</fm-fpc-state-information>
    <fm-sib-state-information>....</fm-sib-state-information>
    <fpc-sib-hsl-diag-information>....</fpc-sib-hsl-diag-information>
    <scb-information>....</scb-information>
    <route-engine-information>....</route-engine-information>
    <firmware-information>....</firmware-information>
    <system-firmware-information>....</system-firmware-information>

    <system-firmware-compatibility-information>....</system-firmware-compatibility-information>

    <power-budget-information>....</power-budget-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

#### <multi-routing-engine-results>

##### Usage

```
<multi-routing-engine-results>
```

```
<multi-routing-engine-item>....</multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description****<network-services>****Usage**

```
<network-services>
  <network-services-information>....</network-services-information>
</network-services>
```

**Description****<network-services-information>****Usage**

```
<network-services>
  <network-services-information>
    <name>
      name
    </name>
  </network-services-information>
</network-services>
```

**Description****<notification-information>****Usage**

```
<poe>
  <notification-information>
    <fpc-number>
      fpc-number
    </fpc-number>
    <notification-status>
      notification-status
    </notification-status>
  </notification-information>
</poe>
```

**Description****<output-detail>****Usage**

```
<environment-component-information>
  <environment-component-item>
    <output-detail>
      <output-voltage>
        output-voltage
      </output-voltage>
    </output-detail>
  </environment-component-item>
</environment-component-information>
```



```

    <output-current>
      output-current
    </output-current>
  </output-detail>
</environment-component-item>
</environment-component-information>

```

**Description** Detailed power output information

### <pcg-frequency>

#### Usage

```

<environment-component-information>
  <environment-component-item>
    <pcg-frequency>
      <pcg-frequency-setting>
        pcg-frequency-setting
      </pcg-frequency-setting>
      <pcg-frequency-measurement>
        pcg-frequency-measurement
      </pcg-frequency-measurement>
    </pcg-frequency>
  </environment-component-item>
</environment-component-information>

```

**Description** PCG Frequency

### <pem-capacity-detail>

#### Usage

```

<power-usage-information>
  <power-usage-item>
    <pem-capacity-detail>
      <capacity-actual>
        capacity-actual
      </capacity-actual>
      <capacity-max>
        capacity-max
      </capacity-max>
    </pem-capacity-detail>
  </power-usage-item>
</power-usage-information>

```

**Description**

### <pic>

#### Usage

```

<fpc-information>
  <fpc>
    <pic>

```

```

<pic-slot>
  pic-slot
</pic-slot>
<pic-type>
  pic-type
</pic-type>
<pic-state>
  pic-state
</pic-state>
<comment>
  comment
</comment>
</pic>
</fpc>
</fpc-information>

```

## Description

<pic>

## Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fpc-information>
      <fpc>
        <pic>
          <pic-slot>
            pic-slot
          </pic-slot>
          <pic-type>
            pic-type
          </pic-type>
          <pic-state>
            pic-state
          </pic-state>
          <comment>
            comment
          </comment>
        </pic>
      </fpc>
    </fpc-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

<pic>

## Usage

```

<poe>
  <fpc-information>
    <fpc>
      <pic>
        <pic-slot>

```

```

        pic-slot
      </pic-slot>
    <pic-type>
      pic-type
    </pic-type>
    <pic-state>
      pic-state
    </pic-state>
    <comment>
      comment
    </comment>
  </pic>
</fpc>
</fpc-information>
</poe>

```

## Description

### <pic-detail>

## Usage

```

<fpc-information>
  <fpc>
    <pic-detail>
      <slot>
        slot
      </slot>
      <pic-slot>
        pic-slot
      </pic-slot>
      <pic-type>
        pic-type
      </pic-type>
      <asic-type>
        asic-type
      </asic-type>
      <comment>
        comment
      </comment>
      <pic-version>
        pic-version
      </pic-version>
      <state>
        state
      </state>
      <cpu-total>
        cpu-total
      </cpu-total>
      <cpu-interrupt>
        cpu-interrupt
      </cpu-interrupt>
      <memory-buffer-utilization>
        memory-buffer-utilization
      </memory-buffer-utilization>
      <memory-heap-utilization>

```

```
    memory-heap-utilization
  </memory-heap-utilization>
  <memory-dram-size>
    memory-dram-size
  </memory-dram-size>
  <cpu-sw-version>
    cpu-sw-version
  </cpu-sw-version>
  <cpu-rom-version>
    cpu-rom-version
  </cpu-rom-version>
  <up-time>
    up-time
  </up-time>
  <pic-package>
    pic-package
  </pic-package>
  <pic-clock-sync>
    pic-clock-sync
  </pic-clock-sync>
  <pic-multirate-mode>
    pic-multirate-mode
  </pic-multirate-mode>
  <pic-channelization-mode>
    pic-channelization-mode
  </pic-channelization-mode>
  <configured-mode>
    configured-mode
  </configured-mode>
  <port-information>....</port-information>
</pic-detail>
</fpc>
</fpc-information>
```

## Description

<pic-detail>

## Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fpc-information>
      <fpc>
        <pic-detail>
          <slot>
            slot
          </slot>
          <pic-slot>
            pic-slot
          </pic-slot>
          <pic-type>
            pic-type
          </pic-type>
          <asic-type>
            asic-type
```

```
</asic-type>
<comment>
  comment
</comment>
<pic-version>
  pic-version
</pic-version>
<state>
  state
</state>
<cpu-total>
  cpu-total
</cpu-total>
<cpu-interrupt>
  cpu-interrupt
</cpu-interrupt>
<memory-buffer-utilization>
  memory-buffer-utilization
</memory-buffer-utilization>
<memory-heap-utilization>
  memory-heap-utilization
</memory-heap-utilization>
<memory-dram-size>
  memory-dram-size
</memory-dram-size>
<cpu-sw-version>
  cpu-sw-version
</cpu-sw-version>
<cpu-rom-version>
  cpu-rom-version
</cpu-rom-version>
<up-time>
  up-time
</up-time>
<pic-package>
  pic-package
</pic-package>
<pic-clock-sync>
  pic-clock-sync
</pic-clock-sync>
<pic-multirate-mode>
  pic-multirate-mode
</pic-multirate-mode>
<pic-channelization-mode>
  pic-channelization-mode
</pic-channelization-mode>
<configured-mode>
  configured-mode
</configured-mode>
<port-information>....</port-information>
</pic-detail>
</fpc>
</fpc-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description****<pic-detail>****Usage**

```
<poe>
  <fpc-information>
    <fpc>
      <pic-detail>
        <slot>
          slot
        </slot>
        <pic-slot>
          pic-slot
        </pic-slot>
        <pic-type>
          pic-type
        </pic-type>
        <asic-type>
          asic-type
        </asic-type>
        <comment>
          comment
        </comment>
        <pic-version>
          pic-version
        </pic-version>
        <state>
          state
        </state>
        <cpu-total>
          cpu-total
        </cpu-total>
        <cpu-interrupt>
          cpu-interrupt
        </cpu-interrupt>
        <memory-buffer-utilization>
          memory-buffer-utilization
        </memory-buffer-utilization>
        <memory-heap-utilization>
          memory-heap-utilization
        </memory-heap-utilization>
        <memory-dram-size>
          memory-dram-size
        </memory-dram-size>
        <cpu-sw-version>
          cpu-sw-version
        </cpu-sw-version>
        <cpu-rom-version>
          cpu-rom-version
        </cpu-rom-version>
        <up-time>
          up-time
        </up-time>
      </pic-package>
    </fpc>
  </fpc-information>
</poe>
```

```

</pic-package>
<pic-clock-sync>
  pic-clock-sync
</pic-clock-sync>
<pic-multirate-mode>
  pic-multirate-mode
</pic-multirate-mode>
<pic-channelization-mode>
  pic-channelization-mode
</pic-channelization-mode>
<configured-mode>
  configured-mode
</configured-mode>
<port-information>....</port-information>
</pic-detail>
</fpc>
</fpc-information>
</poe>

```

#### Description

#### <pmbus-table>

##### Usage

```

<environment-component-information>
  <environment-component-item>
    <pmbus-table>
      <pmbus-table-entry>....</pmbus-table-entry>
    </pmbus-table>
  </environment-component-item>
</environment-component-information>

```

#### Description

#### <pmbus-table-entry>

##### Usage

```

<environment-component-information>
  <environment-component-item>
    <pmbus-table>
      <pmbus-table-entry>
        <pmbus-device-name>
          pmbus-device-name
        </pmbus-device-name>
        <pmbus-expected-voltage>
          pmbus-expected-voltage
        </pmbus-expected-voltage>
        <pmbus-actual-voltage>
          pmbus-actual-voltage
        </pmbus-actual-voltage>
        <pmbus-actual-current>
          pmbus-actual-current
        </pmbus-actual-current>
        <pmbus-calculated-power>

```

```
        pmbus-calculated-power
      </pmbus-calculated-power>
    </pmbus-table-entry>
  </pmbus-table>
</environment-component-item>
</environment-component-information>
```

**Description** Power Management Bus Device information

## <poe>

### Usage

```
<poe>
  <interface-information>....</interface-information>
  <interface-information-detail>....</interface-information-detail>
  <notification-information>....</notification-information>
  <controller-information>....</controller-information>
  <poe-error>....</poe-error>
  <telemetries-information>....</telemetries-information>
  <fpc-information>....</fpc-information>
</poe>
```

### Description

## <poe-error>

### Usage

```
<poe>
  <poe-error>
    <max-power-exceeded-interface>
      max-power-exceeded-interface
    </max-power-exceeded-interface>
    <max-power-exceeded-controller>
      max-power-exceeded-controller
    </max-power-exceeded-controller>
    <poe-software-upgrade-controller>
      poe-software-upgrade-controller
    </poe-software-upgrade-controller>
    <poe-software-upgrade-reboot>
      poe-software-upgrade-reboot
    </poe-software-upgrade-reboot>
  </poe-error>
</poe>
```

### Description

## <port>

### Usage

```
<fpc-information>
  <fpc>
    <pic-detail>
```



```

<port-information>
  <port>
    <port-number>
      port-number
    </port-number>
    <cabl-type>
      cabl-type
    </cabl-type>
    <fiber-mode>
      fiber-mode
    </fiber-mode>
    <sfp-vendor-name>
      sfp-vendor-name
    </sfp-vendor-name>
    <sfp-vendor-pno>
      sfp-vendor-pno
    </sfp-vendor-pno>
    <wavelength>
      wavelength
    </wavelength>
  </port>
</port-information>
</pic-detail>
</fpc>
</fpc-information>

```

## Description

<port>

## Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fpc-information>
      <fpc>
        <pic-detail>
          <port-information>
            <port>
              <port-number>
                port-number
              </port-number>
              <cabl-type>
                cabl-type
              </cabl-type>
              <fiber-mode>
                fiber-mode
              </fiber-mode>
              <sfp-vendor-name>
                sfp-vendor-name
              </sfp-vendor-name>
              <sfp-vendor-pno>
                sfp-vendor-pno
              </sfp-vendor-pno>
              <wavelength>
                wavelength

```

```
        </wavelength>
      </port>
    </port-information>
  </pic-detail>
</fpc>
</fpc-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <port>

#### Usage

```
<poe>
  <fpc-information>
    <fpc>
      <pic-detail>
        <port-information>
          <port>
            <port-number>
              port-number
            </port-number>
            <cablе-type>
              cablе-type
            </cablе-type>
            <fiber-mode>
              fiber-mode
            </fiber-mode>
            <sfp-vendor-name>
              sfp-vendor-name
            </sfp-vendor-name>
            <sfp-vendor-pno>
              sfp-vendor-pno
            </sfp-vendor-pno>
            <wavelength>
              wavelength
            </wavelength>
          </port>
        </port-information>
      </pic-detail>
    </fpc>
  </fpc-information>
</poe>
```

#### Description

### <port-information>

#### Usage

```
<fpc-information>
  <fpc>
    <pic-detail>
      <port-information>
```

```

    <port>....</port>
  </port-information>
</pic-detail>
</fpc>
</fpc-information>

```

#### Description

### <port-information>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <fpc-information>
      <fpc>
        <pic-detail>
          <port-information>
            <port>....</port>
          </port-information>
        </pic-detail>
      </fpc>
    </fpc-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

### <port-information>

#### Usage

```

<poe>
  <fpc-information>
    <fpc>
      <pic-detail>
        <port-information>
          <port>....</port>
        </port-information>
      </pic-detail>
    </fpc>
  </fpc-information>
</poe>

```

#### Description

### <power-budget-information>

#### Usage

```

<power-budget-information>
  <psu-slot>
    psu-slot
  </psu-slot>
  <psu-type>
    psu-type

```

```
</psu-type>
<power-supplied-psu>
  power-supplied-psu
</power-supplied-psu>
<power-supply-state>
  power-supply-state
</power-supply-state>
<total-power-supplied>
  total-power-supplied
</total-power-supplied>
<base-power>
  base-power
</base-power>
<psu-redundancy-config>
  psu-redundancy-config
</psu-redundancy-config>
<line-card-slot>
  line-card-slot
</line-card-slot>
<line-card-type>
  line-card-type
</line-card-type>
<line-card-power>
  line-card-power
</line-card-power>
<line-card-actual-power>
  line-card-actual-power
</line-card-actual-power>
<line-card-priority>
  line-card-priority
</line-card-priority>
<fan-tray-slot>
  fan-tray-slot
</fan-tray-slot>
<fan-tray-type>
  fan-tray-type
</fan-tray-type>
<fan-tray-base-power>
  fan-tray-base-power
</fan-tray-base-power>
<fan-tray-actual-power>
  fan-tray-actual-power
</fan-tray-actual-power>
<actual-power-used>
  actual-power-used
</actual-power-used>
<power-available-redundant-case>
  power-available-redundant-case
</power-available-redundant-case>
<total-power-available>
  total-power-available
</total-power-available>
<total-poe-power-allocated>
  total-poe-power-allocated
</total-poe-power-allocated>
<line-card-poe-power>
```

```

    line-card-poe-power
  </line-card-poe-power>
</power-budget-information>

```

## Description

### <power-budget-information>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <power-budget-information>
      <psu-slot>
        psu-slot
      </psu-slot>
      <psu-type>
        psu-type
      </psu-type>
      <power-supplied-psu>
        power-supplied-psu
      </power-supplied-psu>
      <power-supply-state>
        power-supply-state
      </power-supply-state>
      <total-power-supplied>
        total-power-supplied
      </total-power-supplied>
      <base-power>
        base-power
      </base-power>
      <psu-redundancy-config>
        psu-redundancy-config
      </psu-redundancy-config>
      <line-card-slot>
        line-card-slot
      </line-card-slot>
      <line-card-type>
        line-card-type
      </line-card-type>
      <line-card-power>
        line-card-power
      </line-card-power>
      <line-card-actual-power>
        line-card-actual-power
      </line-card-actual-power>
      <line-card-priority>
        line-card-priority
      </line-card-priority>
      <fan-tray-slot>
        fan-tray-slot
      </fan-tray-slot>
      <fan-tray-type>
        fan-tray-type
      </fan-tray-type>
      <fan-tray-base-power>

```

```
fan-tray-base-power
</fan-tray-base-power>
<fan-tray-actual-power>
  fan-tray-actual-power
</fan-tray-actual-power>
<actual-power-used>
  actual-power-used
</actual-power-used>
<power-available-redundant-case>
  power-available-redundant-case
</power-available-redundant-case>
<total-power-available>
  total-power-available
</total-power-available>
<total-poe-power-allocated>
  total-poe-power-allocated
</total-poe-power-allocated>
<line-card-poe-power>
  line-card-poe-power
</line-card-poe-power>
</power-budget-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <power-information>

#### Usage

```
<environment-component-information>
  <environment-component-item>
    <power-information>
      <power-title>....</power-title>
      <voltage-title>
        voltage-title
      </voltage-title>
      <voltage>....</voltage>
    </power-information>
  </environment-component-item>
</environment-component-information>
```

#### Description

### <power-management>

#### Usage

```
<power-management>
  <power-mgmt-device>
    power-mgmt-device
  </power-mgmt-device>
  <power-mgmt-low-power>
    power-mgmt-low-power
  </power-mgmt-low-power>
  <power-mgmt-high-power>
```

```

    power-mgmt-high-power
  </power-mgmt-high-power>
  <power-mgmt-heat>
    power-mgmt-heat
  </power-mgmt-heat>
  <power-mgmt-state>
    power-mgmt-state
  </power-mgmt-state>
</power-management>

```

**Description** Information about JSeries Power Management

### <power-management>

#### Usage

```

<power-management-information>
  <power-management>
    <power-mgmt-device>
      power-mgmt-device
    </power-mgmt-device>
    <power-mgmt-low-power>
      power-mgmt-low-power
    </power-mgmt-low-power>
    <power-mgmt-high-power>
      power-mgmt-high-power
    </power-mgmt-high-power>
    <power-mgmt-heat>
      power-mgmt-heat
    </power-mgmt-heat>
    <power-mgmt-state>
      power-mgmt-state
    </power-mgmt-state>
  </power-management>
</power-management-information>

```

**Description** Information about JSeries Power Management

### <power-management-information>

#### Usage

```

<power-management-information>
  <power-management>....</power-management>
</power-management-information>

```

**Description** All information about JSeries Power Management

### <power-title>

#### Usage

```

<environment-component-information>
  <environment-component-item>

```

```
<power-information>
  <power-title>
    <power-type>
      power-type
    </power-type>
    <power-state>
      power-state
    </power-state>
  </power-title>
</power-information>
</environment-component-item>
</environment-component-information>
```

#### Description

### <power-usage-information>

#### Usage

```
<power-usage-information>
  <capacity-actual>
    capacity-actual
  </capacity-actual>
  <capacity-max>
    capacity-max
  </capacity-max>
  <capacity-allocated>
    capacity-allocated
  </capacity-allocated>
  <capacity-remaining>
    capacity-remaining
  </capacity-remaining>
  <capacity-actual-usage>
    capacity-actual-usage
  </capacity-actual-usage>
  <capacity-load>
    capacity-load
  </capacity-load>
  <zone>
    zone
  </zone>
  <power-usage-item>....</power-usage-item>
  <power-usage-system>....</power-usage-system>
</power-usage-information>
```

#### Description

### <power-usage-item>

#### Usage

```
<power-usage-information>
  <power-usage-item>
    <name>
      name
    </name>
```



```

<status>
  status
</status>
<state>
  state
</state>
<ac-input-detail>....</ac-input-detail>
<dc-input-detail>....</dc-input-detail>
<dc-output-detail>....</dc-output-detail>
<pem-capacity-detail>....</pem-capacity-detail>
</power-usage-item>
</power-usage-information>

```

#### Description

### <power-usage-system>

#### Usage

```

<power-usage-information>
<power-usage-system>
  <power-usage-zone-information>....</power-usage-zone-information>
  <capacity-sys-actual>
    capacity-sys-actual
  </capacity-sys-actual>
  <capacity-sys-max>
    capacity-sys-max
  </capacity-sys-max>
  <capacity-sys-remaining>
    capacity-sys-remaining
  </capacity-sys-remaining>
</power-usage-system>
</power-usage-information>

```

#### Description

### <power-usage-zone-information>

#### Usage

```

<power-usage-information>
<power-usage-system>
  <power-usage-zone-information>
    <zone>
      zone
    </zone>
    <capacity-actual>
      capacity-actual
    </capacity-actual>
    <capacity-max>
      capacity-max
    </capacity-max>
    <capacity-remaining>
      capacity-remaining
    </capacity-remaining>
    <capacity-allocated>

```

```
        capacity-allocated
      </capacity-allocated>
      <capacity-actual-usage>
        capacity-actual-usage
      </capacity-actual-usage>
    </power-usage-zone-information>
  </power-usage-system>
</power-usage-information>
```

#### Description

<psd>

#### Usage

```
<psd-information>
  <psd>
    <slot>
      slot
    </slot>
    <description>
      description
    </description>
    <state>
      state
    </state>
    <up-time>
      up-time
    </up-time>
    <comment>
      comment
    </comment>
  </psd>
</psd-information>
```

#### Description

<psd-information>

#### Usage

```
<psd-information>
  <psd>....</psd>
</psd-information>
```

#### Description

<read-register>

#### Usage

```
<read-register>
  <cb-slot>
    cb-slot
  </cb-slot>
  <fchip-id>
```

```

    fchip-id
  </fchip-id>
  <address>
    address
  </address>
  <data>
    data
  </data>
</read-register>

```

**Description** Read switch fabric register

## <revision>

### Usage

```

<environment-component-information>
  <environment-component-item>
    <revision>
      <revision-name>
        revision-name
      </revision-name>
      <revision-number>
        revision-number
      </revision-number>
    </revision>
  </environment-component-item>
</environment-component-information>

```

### Description

## <route-engine>

### Usage

```

<route-engine-information>
  <route-engine>
    <description>
      description
    </description>
    <slot>
      slot
    </slot>
    <physical-slot>
      physical-slot
    </physical-slot>
    <mastership-state>
      mastership-state
    </mastership-state>
    <mastership-priority>
      mastership-priority
    </mastership-priority>
    <status>
      status
    </status>
  </route-engine>
</route-engine-information>

```

```
<model>
  model
</model>
<temperature>
  temperature
</temperature>
<cpu-temperature>
  cpu-temperature
</cpu-temperature>
<memory-dram-size>
  memory-dram-size
</memory-dram-size>
<memory-buffer-utilization>
  memory-buffer-utilization
</memory-buffer-utilization>
<memory-system-total>
  memory-system-total
</memory-system-total>
<memory-system-total-used>
  memory-system-total-used
</memory-system-total-used>
<memory-system-total-util>
  memory-system-total-util
</memory-system-total-util>
<memory-control-plane>
  memory-control-plane
</memory-control-plane>
<memory-control-plane-used>
  memory-control-plane-used
</memory-control-plane-used>
<memory-control-plane-util>
  memory-control-plane-util
</memory-control-plane-util>
<memory-data-plane>
  memory-data-plane
</memory-data-plane>
<memory-data-plane-used>
  memory-data-plane-used
</memory-data-plane-used>
<memory-data-plane-util>
  memory-data-plane-util
</memory-data-plane-util>
<control-plane-cpu-count>
  control-plane-cpu-count
</control-plane-cpu-count>
<data-plane-cpu-count>
  data-plane-cpu-count
</data-plane-cpu-count>
<cpu-user>
  cpu-user
</cpu-user>
<cpu-real-time>
  cpu-real-time
</cpu-real-time>
<cpu-background>
  cpu-background
```

```

</cpu-background>
<cpu-system>
  cpu-system
</cpu-system>
<cpu-interrupt>
  cpu-interrupt
</cpu-interrupt>
<cpu-idle>
  cpu-idle
</cpu-idle>
<serial-number>
  serial-number
</serial-number>
<start-time>
  start-time
</start-time>
<up-time>
  up-time
</up-time>
<last-reboot-reason>
  last-reboot-reason
</last-reboot-reason>
<load-average-one>
  load-average-one
</load-average-one>
<load-average-five>
  load-average-five
</load-average-five>
<load-average-fifteen>
  load-average-fifteen
</load-average-fifteen>
<bios-version>
  bios-version
</bios-version>
<bios-date>
  bios-date
</bios-date>
<bios-id>
  bios-id
</bios-id>
</route-engine>
</route-engine-information>

```

## Description

### <route-engine>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <route-engine-information>
      <route-engine>
        <description>
          description
        </description>

```

```
<slot>
  slot
</slot>
<physical-slot>
  physical-slot
</physical-slot>
<mastership-state>
  mastership-state
</mastership-state>
<mastership-priority>
  mastership-priority
</mastership-priority>
<status>
  status
</status>
<model>
  model
</model>
<temperature>
  temperature
</temperature>
<cpu-temperature>
  cpu-temperature
</cpu-temperature>
<memory-dram-size>
  memory-dram-size
</memory-dram-size>
<memory-buffer-utilization>
  memory-buffer-utilization
</memory-buffer-utilization>
<memory-system-total>
  memory-system-total
</memory-system-total>
<memory-system-total-used>
  memory-system-total-used
</memory-system-total-used>
<memory-system-total-util>
  memory-system-total-util
</memory-system-total-util>
<memory-control-plane>
  memory-control-plane
</memory-control-plane>
<memory-control-plane-used>
  memory-control-plane-used
</memory-control-plane-used>
<memory-control-plane-util>
  memory-control-plane-util
</memory-control-plane-util>
<memory-data-plane>
  memory-data-plane
</memory-data-plane>
<memory-data-plane-used>
  memory-data-plane-used
</memory-data-plane-used>
<memory-data-plane-util>
  memory-data-plane-util
```

```
</memory-data-plane-util>
<control-plane-cpu-count>
  control-plane-cpu-count
</control-plane-cpu-count>
<data-plane-cpu-count>
  data-plane-cpu-count
</data-plane-cpu-count>
<cpu-user>
  cpu-user
</cpu-user>
<cpu-real-time>
  cpu-real-time
</cpu-real-time>
<cpu-background>
  cpu-background
</cpu-background>
<cpu-system>
  cpu-system
</cpu-system>
<cpu-interrupt>
  cpu-interrupt
</cpu-interrupt>
<cpu-idle>
  cpu-idle
</cpu-idle>
<serial-number>
  serial-number
</serial-number>
<start-time>
  start-time
</start-time>
<up-time>
  up-time
</up-time>
<last-reboot-reason>
  last-reboot-reason
</last-reboot-reason>
<load-average-one>
  load-average-one
</load-average-one>
<load-average-five>
  load-average-five
</load-average-five>
<load-average-fifteen>
  load-average-fifteen
</load-average-fifteen>
<bios-version>
  bios-version
</bios-version>
<bios-date>
  bios-date
</bios-date>
<bios-id>
  bios-id
</bios-id>
</route-engine>
```

```
</route-engine-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description****<route-engine-information>****Usage**

```
<route-engine-information>
  <route-engine>....</route-engine>
</route-engine-information>
```

**Description****<route-engine-information>****Usage**

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <route-engine-information>
      <route-engine>....</route-engine>
    </route-engine-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description****<rps-chassis-information>****Usage**

```
<rps-chassis-information>
  <rps-member-list>....</rps-member-list>
</rps-chassis-information>
```

**Description****<rps-led-information>****Usage**

```
<rps-led-information>
  <rps-list>....</rps-list>
</rps-led-information>
```

**Description****<rps-list>****Usage**

```
<rps-status-information>
  <rps-list>
```



```

<rps-serial-number>
  rps-serial-number
</rps-serial-number>
<rps-switch-information>....</rps-switch-information>
<rps-psu-information>....</rps-psu-information>
<rps-fan-led>
  rps-fan-led
</rps-fan-led>
<rps-status-led>
  rps-status-led
</rps-status-led>
<rps-port-led-status>....</rps-port-led-status>
<rps-model>
  rps-model
</rps-model>
<rps-firmware-version>
  rps-firmware-version
</rps-firmware-version>
<rps-uboot-version>
  rps-uboot-version
</rps-uboot-version>
</rps-list>
</rps-status-information>

```

#### Description

#### <rps-list>

#### Usage

```

<rps-power-supply-information>
<rps-list>
  <rps-serial-number>
    rps-serial-number
  </rps-serial-number>
  <rps-switch-information>....</rps-switch-information>
  <rps-psu-information>....</rps-psu-information>
  <rps-fan-led>
    rps-fan-led
  </rps-fan-led>
  <rps-status-led>
    rps-status-led
  </rps-status-led>
  <rps-port-led-status>....</rps-port-led-status>
  <rps-model>
    rps-model
  </rps-model>
  <rps-firmware-version>
    rps-firmware-version
  </rps-firmware-version>
  <rps-uboot-version>
    rps-uboot-version
  </rps-uboot-version>
</rps-list>
</rps-power-supply-information>

```

**Description****<rps-list>****Usage**

```
<rps-led-information>
<rps-list>
  <rps-serial-number>
    rps-serial-number
  </rps-serial-number>
  <rps-switch-information>....</rps-switch-information>
  <rps-psu-information>....</rps-psu-information>
  <rps-fan-led>
    rps-fan-led
  </rps-fan-led>
  <rps-status-led>
    rps-status-led
  </rps-status-led>
  <rps-port-led-status>....</rps-port-led-status>
  <rps-model>
    rps-model
  </rps-model>
  <rps-firmware-version>
    rps-firmware-version
  </rps-firmware-version>
  <rps-uboot-version>
    rps-uboot-version
  </rps-uboot-version>
</rps-list>
</rps-led-information>
```

**Description****<rps-list>****Usage**

```
<rps-version-information>
<rps-list>
  <rps-serial-number>
    rps-serial-number
  </rps-serial-number>
  <rps-switch-information>....</rps-switch-information>
  <rps-psu-information>....</rps-psu-information>
  <rps-fan-led>
    rps-fan-led
  </rps-fan-led>
  <rps-status-led>
    rps-status-led
  </rps-status-led>
  <rps-port-led-status>....</rps-port-led-status>
  <rps-model>
    rps-model
  </rps-model>
  <rps-firmware-version>
    rps-firmware-version
```

```

    </rps-firmware-version>
    <rps-uboot-version>
      rps-uboot-version
    </rps-uboot-version>
  </rps-list>
</rps-version-information>

```

#### Description

#### <rps-member-list>

##### Usage

```

<rps-chassis-information>
  <rps-member-list>
    <rps-member-id>
      rps-member-id
    </rps-member-id>
    <rps-backup-status>
      rps-backup-status
    </rps-backup-status>
    <rps-serial-number>
      rps-serial-number
    </rps-serial-number>
    <rps-port-number>
      rps-port-number
    </rps-port-number>
  </rps-member-list>
</rps-chassis-information>

```

#### Description

#### <rps-port-led-status>

##### Usage

```

<rps-status-information>
  <rps-list>
    <rps-port-led-status>
      <rps-port-id>
        rps-port-id
      </rps-port-id>
      <rps-port-led>
        rps-port-led
      </rps-port-led>
    </rps-port-led-status>
  </rps-list>
</rps-status-information>

```

#### Description

#### <rps-port-led-status>

##### Usage

```

<rps-power-supply-information>

```

```
<rps-list>
  <rps-port-led-status>
    <rps-port-id>
      rps-port-id
    </rps-port-id>
    <rps-port-led>
      rps-port-led
    </rps-port-led>
  </rps-port-led-status>
</rps-list>
</rps-power-supply-information>
```

#### Description

#### <rps-port-led-status>

##### Usage

```
<rps-led-information>
  <rps-list>
    <rps-port-led-status>
      <rps-port-id>
        rps-port-id
      </rps-port-id>
      <rps-port-led>
        rps-port-led
      </rps-port-led>
    </rps-port-led-status>
  </rps-list>
</rps-led-information>
```

#### Description

#### <rps-port-led-status>

##### Usage

```
<rps-version-information>
  <rps-list>
    <rps-port-led-status>
      <rps-port-id>
        rps-port-id
      </rps-port-id>
      <rps-port-led>
        rps-port-led
      </rps-port-led>
    </rps-port-led-status>
  </rps-list>
</rps-version-information>
```

#### Description

**<rps-power-supply-information>****Usage**

```
<rps-power-supply-information>
<rps-list>....</rps-list>
</rps-power-supply-information>
```

**Description****<rps-psu-information>****Usage**

```
<rps-status-information>
<rps-list>
  <rps-psu-information>
    <rps-psu-slot-number>
      rps-psu-slot-number
    </rps-psu-slot-number>
    <rps-psu-status>
      rps-psu-status
    </rps-psu-status>
    <rps-psu-description>
      rps-psu-description
    </rps-psu-description>
  </rps-psu-information>
</rps-list>
</rps-status-information>
```

**Description****<rps-psu-information>****Usage**

```
<rps-power-supply-information>
<rps-list>
  <rps-psu-information>
    <rps-psu-slot-number>
      rps-psu-slot-number
    </rps-psu-slot-number>
    <rps-psu-status>
      rps-psu-status
    </rps-psu-status>
    <rps-psu-description>
      rps-psu-description
    </rps-psu-description>
  </rps-psu-information>
</rps-list>
</rps-power-supply-information>
```

**Description**

## <rps-psu-information>

### Usage

```
<rps-led-information>
<rps-list>
  <rps-psu-information>
    <rps-psu-slot-number>
      rps-psu-slot-number
    </rps-psu-slot-number>
    <rps-psu-status>
      rps-psu-status
    </rps-psu-status>
    <rps-psu-description>
      rps-psu-description
    </rps-psu-description>
  </rps-psu-information>
</rps-list>
</rps-led-information>
```

### Description

## <rps-psu-information>

### Usage

```
<rps-version-information>
<rps-list>
  <rps-psu-information>
    <rps-psu-slot-number>
      rps-psu-slot-number
    </rps-psu-slot-number>
    <rps-psu-status>
      rps-psu-status
    </rps-psu-status>
    <rps-psu-description>
      rps-psu-description
    </rps-psu-description>
  </rps-psu-information>
</rps-list>
</rps-version-information>
```

### Description

## <rps-status-information>

### Usage

```
<rps-status-information>
<rps-list>....</rps-list>
</rps-status-information>
```

### Description

**<rps-switch-information>****Usage**

```

<rps-status-information>
  <rps-list>
    <rps-switch-information>
      <rps-port>
        rps-port
      </rps-port>
      <rps-switch-status>
        rps-switch-status
      </rps-switch-status>
      <rps-switch-priority>
        rps-switch-priority
      </rps-switch-priority>
      <rps-power-requested>
        rps-power-requested
      </rps-power-requested>
    </rps-switch-information>
  </rps-list>
</rps-status-information>

```

**Description****<rps-switch-information>****Usage**

```

<rps-power-supply-information>
  <rps-list>
    <rps-switch-information>
      <rps-port>
        rps-port
      </rps-port>
      <rps-switch-status>
        rps-switch-status
      </rps-switch-status>
      <rps-switch-priority>
        rps-switch-priority
      </rps-switch-priority>
      <rps-power-requested>
        rps-power-requested
      </rps-power-requested>
    </rps-switch-information>
  </rps-list>
</rps-power-supply-information>

```

**Description****<rps-switch-information>****Usage**

```

<rps-led-information>
  <rps-list>

```

```
<rps-switch-information>
  <rps-port>
    rps-port
  </rps-port>
  <rps-switch-status>
    rps-switch-status
  </rps-switch-status>
  <rps-switch-priority>
    rps-switch-priority
  </rps-switch-priority>
  <rps-power-requested>
    rps-power-requested
  </rps-power-requested>
</rps-switch-information>
</rps-list>
</rps-led-information>
```

#### Description

### <rps-switch-information>

#### Usage

```
<rps-version-information>
  <rps-list>
    <rps-switch-information>
      <rps-port>
        rps-port
      </rps-port>
      <rps-switch-status>
        rps-switch-status
      </rps-switch-status>
      <rps-switch-priority>
        rps-switch-priority
      </rps-switch-priority>
      <rps-power-requested>
        rps-power-requested
      </rps-power-requested>
    </rps-switch-information>
  </rps-list>
</rps-version-information>
```

#### Description

### <rps-version-information>

#### Usage

```
<rps-version-information>
  <rps-list>....</rps-list>
</rps-version-information>
```

#### Description



## &lt;scb&gt;

## Usage

```

<scb-information>
  <scb>
    <slot>
      slot
    </slot>
    <state>
      state
    </state>
    <failover-count>
      failover-count
    </failover-count>
    <reset-count>
      reset-count
    </reset-count>
    <activate-count>
      activate-count
    </activate-count>
    <temperature>
      temperature
    </temperature>
    <intake-temperature>
      intake-temperature
    </intake-temperature>
    <exhaust-temperature>
      exhaust-temperature
    </exhaust-temperature>
    <exhaust-a-temperature>
      exhaust-a-temperature
    </exhaust-a-temperature>
    <exhaust-b-temperature>
      exhaust-b-temperature
    </exhaust-b-temperature>
    <spp-temperature>
      spp-temperature
    </spp-temperature>
    <spr-temperature>
      spr-temperature
    </spr-temperature>
    <cpu-total>
      cpu-total
    </cpu-total>
    <cpu-total-ukern>
      cpu-total-ukern
    </cpu-total-ukern>
    <cpu-total-rt>
      cpu-total-rt
    </cpu-total-rt>
    <cpu-interrupt>
      cpu-interrupt
    </cpu-interrupt>
    <memory-dram-size>
      memory-dram-size

```

```
</memory-dram-size>
<memory-sram-size>
  memory-sram-size
</memory-sram-size>
<memory-rldram-size>
  memory-rldram-size
</memory-rldram-size>
<memory-ddr-dram-size>
  memory-ddr-dram-size
</memory-ddr-dram-size>
<memory-heap-utilization>
  memory-heap-utilization
</memory-heap-utilization>
<memory-buffer-utilization>
  memory-buffer-utilization
</memory-buffer-utilization>
<asic-name>
  asic-name
</asic-name>
<asic-information>
  asic-information
</asic-information>
<start-time>
  start-time
</start-time>
<up-time>
  up-time
</up-time>
<comment>
  comment
</comment>
<max-power-consumption>
  max-power-consumption
</max-power-consumption>
</scb>
</scb-information>
```

## Description

<scb>

## Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
  <scb-information>
    <scb>
      <slot>
        slot
      </slot>
      <state>
        state
      </state>
      <failover-count>
        failover-count
      </failover-count>
```

```
<reset-count>
  reset-count
</reset-count>
<activate-count>
  activate-count
</activate-count>
<temperature>
  temperature
</temperature>
<intake-temperature>
  intake-temperature
</intake-temperature>
<exhaust-temperature>
  exhaust-temperature
</exhaust-temperature>
<exhaust-a-temperature>
  exhaust-a-temperature
</exhaust-a-temperature>
<exhaust-b-temperature>
  exhaust-b-temperature
</exhaust-b-temperature>
<spp-temperature>
  spp-temperature
</spp-temperature>
<spr-temperature>
  spr-temperature
</spr-temperature>
<cpu-total>
  cpu-total
</cpu-total>
<cpu-total-ukern>
  cpu-total-ukern
</cpu-total-ukern>
<cpu-total-rt>
  cpu-total-rt
</cpu-total-rt>
<cpu-interrupt>
  cpu-interrupt
</cpu-interrupt>
<memory-dram-size>
  memory-dram-size
</memory-dram-size>
<memory-sram-size>
  memory-sram-size
</memory-sram-size>
<memory-rldram-size>
  memory-rldram-size
</memory-rldram-size>
<memory-ddr-dram-size>
  memory-ddr-dram-size
</memory-ddr-dram-size>
<memory-heap-utilization>
  memory-heap-utilization
</memory-heap-utilization>
<memory-buffer-utilization>
  memory-buffer-utilization
```

```

</memory-buffer-utilization>
<asic-name>
  asic-name
</asic-name>
<asic-information>
  asic-information
</asic-information>
<start-time>
  start-time
</start-time>
<up-time>
  up-time
</up-time>
<comment>
  comment
</comment>
<max-power-consumption>
  max-power-consumption
</max-power-consumption>
</scb>
</scb-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

<scb-information>

#### Usage

```

<scb-information>
  <scb-type>
    scb-type
  </scb-type>
  <cross-connect>
    cross-connect
  </cross-connect>
  <packet-scheduling>
    packet-scheduling
  </packet-scheduling>
  <scb>....</scb>
</scb-information>

```

#### Description

<scb-information>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <scb-information>
      <scb-type>
        scb-type
      </scb-type>
      <cross-connect>

```

```

        cross-connect
      </cross-connect>
    <packet-scheduling>
      packet-scheduling
    </packet-scheduling>
    <scb>....</scb>
  </scb-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

<sib>

## Usage

```

<sib-information>
  <sib>
    <slot>
      slot
    </slot>
    <slot-type>
      slot-type
    </slot-type>
    <state>
      state
    </state>
    <sib-type>
      sib-type
    </sib-type>
    <destination-error>
      destination-error
    </destination-error>
    <up-time>
      up-time
    </up-time>
    <comment>
      comment
    </comment>
  </sib>
</sib-information>

```

## Description

<sib>

## Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <sib-information>
      <sib>
        <slot>
          slot
        </slot>
        <slot-type>

```

```
    slot-type
  </slot-type>
  <state>
    state
  </state>
  <sib-type>
    sib-type
  </sib-type>
  <destination-error>
    destination-error
  </destination-error>
  <up-time>
    up-time
  </up-time>
  <comment>
    comment
  </comment>
</sib>
</sib-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

#### <sib-information>

##### Usage

```
<sib-information>
  <sib>....</sib>
  <use-cli-info>
    use-cli-info
  </use-cli-info>
</sib-information>
```

#### Description

#### <sib-information>

##### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <sib-information>
      <sib>....</sib>
      <use-cli-info>
        use-cli-info
      </use-cli-info>
    </sib-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

## <slave-registers>

### Usage

```

<environment-component-information>
  <environment-component-item>
    <slave-registers-information>
      <slave-registers>
        <slave-registers-name>
          slave-registers-name
        </slave-registers-name>
        <slave-registers-value>
          slave-registers-value
        </slave-registers-value>
      </slave-registers>
    </slave-registers-information>
  </environment-component-item>
</environment-component-information>

```

**Description** Slave register values

## <slave-registers-information>

### Usage

```

<environment-component-information>
  <environment-component-item>
    <slave-registers-information>
      <slave-registers-title>
        slave-registers-title
      </slave-registers-title>
      <slave-registers>....</slave-registers>
    </slave-registers-information>
  </environment-component-item>
</environment-component-information>

```

**Description**

## <spmb>

### Usage

```

<spmb-information>
  <spmb>
    <slot>
      slot
    </slot>
    <state>
      state
    </state>
    <cpu-total>
      cpu-total
    </cpu-total>
    <cpu-interrupt>
      cpu-interrupt
    </cpu-interrupt>

```

```
<memory-heap-utilization>
  memory-heap-utilization
</memory-heap-utilization>
<memory-buffer-utilization>
  memory-buffer-utilization
</memory-buffer-utilization>
<start-time>
  start-time
</start-time>
<up-time>
  up-time
</up-time>
</spmb>
</spmb-information>
```

#### Description

<spmb>

#### Usage

```
<multi-routing-engine-results>
<multi-routing-engine-item>
  <spmb-information>
    <spmb>
      <slot>
        slot
      </slot>
      <state>
        state
      </state>
      <cpu-total>
        cpu-total
      </cpu-total>
      <cpu-interrupt>
        cpu-interrupt
      </cpu-interrupt>
      <memory-heap-utilization>
        memory-heap-utilization
      </memory-heap-utilization>
      <memory-buffer-utilization>
        memory-buffer-utilization
      </memory-buffer-utilization>
      <start-time>
        start-time
      </start-time>
      <up-time>
        up-time
      </up-time>
    </spmb>
  </spmb-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description



**<spmb-information>****Usage**

```

<spmb-information>
  <spmb>....</spmb>
</spmb-information>

```

**Description****<spmb-information>****Usage**

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <spmb-information>
      <spmb>....</spmb>
    </spmb-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description****<synchronization-source-list>****Usage**

```

<clock-synchronization-information>
  <clock-synchronization>
    <synchronization-source-list>
      <current-source>....</current-source>
      <configured-source-list>....</configured-source-list>
    </synchronization-source-list>
  </clock-synchronization>
</clock-synchronization-information>

```

**Description****<system-firmware>****Usage**

```

<system-firmware>
  <firmware-name>
    firmware-name
  </firmware-name>
  <firmware-type>
    firmware-type
  </firmware-type>
  <firmware-tag>
    firmware-tag
  </firmware-tag>
  <firmware-revision>
    firmware-revision
  </firmware-revision>

```

```
<firmware-revision-available>
  firmware-revision-available
</firmware-revision-available>
<firmware-status>
  firmware-status
</firmware-status>
<system-sub-module-firmware-list>....</system-sub-module-firmware-list>
</system-firmware>
```

#### Description

### <system-firmware>

#### Usage

```
<system-firmware-information>
  <system-firmware>
    <firmware-name>
      firmware-name
    </firmware-name>
    <firmware-type>
      firmware-type
    </firmware-type>
    <firmware-tag>
      firmware-tag
    </firmware-tag>
    <firmware-revision>
      firmware-revision
    </firmware-revision>
    <firmware-revision-available>
      firmware-revision-available
    </firmware-revision-available>
    <firmware-status>
      firmware-status
    </firmware-status>
    <system-sub-module-firmware-list>....</system-sub-module-firmware-list>
  </system-firmware>
</system-firmware-information>
```

#### Description

### <system-firmware>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-firmware-information>
      <system-firmware>
        <firmware-name>
          firmware-name
        </firmware-name>
        <firmware-type>
          firmware-type
        </firmware-type>
        <firmware-tag>
```

```

        firmware-tag
      </firmware-tag>
      <firmware-revision>
        firmware-revision
      </firmware-revision>
      <firmware-revision-available>
        firmware-revision-available
      </firmware-revision-available>
      <firmware-status>
        firmware-status
      </firmware-status>
      <system-sub-module-firmware-list>....</system-sub-module-firmware-list>

    </system-firmware>
  </system-firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

#### Description

#### <system-firmware-compatibility>

##### Usage

```

<system-firmware-compatibility>
  <firmware-name>
    firmware-name
  </firmware-name>
  <firmware-type>
    firmware-type
  </firmware-type>
  <firmware-tag>
    firmware-tag
  </firmware-tag>
  <firmware-revision>
    firmware-revision
  </firmware-revision>
  <firmware-revision-available>
    firmware-revision-available
  </firmware-revision-available>
  <firmware-status>
    firmware-status
  </firmware-status>
  <firmware-action>
    firmware-action
  </firmware-action>

  <system-sub-module-firmware-compatibility-list>....</system-sub-module-firmware-compatibility-list>

</system-firmware-compatibility>

```

**Description** Firmware compatibility information with installed JFirmware

## <system-firmware-compatibility>

### Usage

```
<system-firmware-compatibility-information>
  <system-firmware-compatibility>
    <firmware-name>
      firmware-name
    </firmware-name>
    <firmware-type>
      firmware-type
    </firmware-type>
    <firmware-tag>
      firmware-tag
    </firmware-tag>
    <firmware-revision>
      firmware-revision
    </firmware-revision>
    <firmware-revision-available>
      firmware-revision-available
    </firmware-revision-available>
    <firmware-status>
      firmware-status
    </firmware-status>
    <firmware-action>
      firmware-action
    </firmware-action>

  <system-sub-module-firmware-compatibility-list>...</system-sub-module-firmware-compatibility-list>

  </system-firmware-compatibility>
</system-firmware-compatibility-information>
```

**Description**    Firmware compatibility information with installed JFirmware

## <system-firmware-compatibility>

### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-firmware-compatibility-information>
      <system-firmware-compatibility>
        <firmware-name>
          firmware-name
        </firmware-name>
        <firmware-type>
          firmware-type
        </firmware-type>
        <firmware-tag>
          firmware-tag
        </firmware-tag>
        <firmware-revision>
          firmware-revision
        </firmware-revision>
```

```

    <firmware-revision-available>
      firmware-revision-available
    </firmware-revision-available>
    <firmware-status>
      firmware-status
    </firmware-status>
    <firmware-action>
      firmware-action
    </firmware-action>

```

```

<system-sub-module-firmware-compatibility-list>....</system-sub-module-firmware-compatibility-list>

```

```

    </system-firmware-compatibility>
  </system-firmware-compatibility-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description** Firmware compatibility information with installed JFirmware

### <system-firmware-compatibility-information>

#### Usage

```

<system-firmware-compatibility-information>
  <firmware-version-mismatch>....</firmware-version-mismatch>
  <system-firmware-compatibility>....</system-firmware-compatibility>
</system-firmware-compatibility-information>

```

**Description** Compatibility information about installed firmware version & JFirmware

### <system-firmware-compatibility-information>

#### Usage

```

<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-firmware-compatibility-information>
      <firmware-version-mismatch>....</firmware-version-mismatch>
      <system-firmware-compatibility>....</system-firmware-compatibility>
    </system-firmware-compatibility-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description** Compatibility information about installed firmware version & JFirmware

### <system-firmware-information>

#### Usage

```

<system-firmware-information>
  <system-firmware>....</system-firmware>
</system-firmware-information>

```

**Description** Information about component firmware versions

### <system-firmware-information>

**Usage**

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-firmware-information>
      <system-firmware>....</system-firmware>
    </system-firmware-information>
  </multi-routing-engine-item>
</multi-routing-engine-results>
```

**Description** Information about component firmware versions

### <system-led>

**Usage**

```
<front-panel>
  <system-led>
    <system-led-display>....</system-led-display>
  </system-led>
</front-panel>
```

**Description** State of system LEDs on the front panel

### <system-led>

**Usage**

```
<get-craft-information>
  <front-panel>
    <system-led>
      <system-led-display>....</system-led-display>
    </system-led>
  </front-panel>
</get-craft-information>
```

**Description** State of system LEDs on the front panel

### <system-led-display>

**Usage**

```
<front-panel>
  <system-led>
    <system-led-display>
      <name>
        name
      </name>
      <led-status>
        led-status
      </led-status>
    </system-led-display>
  </system-led>
</front-panel>
```

```

    </led-status>
  </system-led-display>
</system-led>
</front-panel>

```

#### Description

### <system-led-display>

#### Usage

```

<get-craft-information>
  <front-panel>
    <system-led>
      <system-led-display>
        <name>
          name
        </name>
        <led-status>
          led-status
        </led-status>
      </system-led-display>
    </system-led>
  </front-panel>
</get-craft-information>

```

#### Description

### <system-sub-module-firmware>

#### Usage

```

<system-firmware>
  <system-sub-module-firmware-list>
    <system-sub-module-firmware>
      <firmware-name>
        firmware-name
      </firmware-name>
      <firmware-type>
        firmware-type
      </firmware-type>
      <firmware-tag>
        firmware-tag
      </firmware-tag>
      <firmware-revision>
        firmware-revision
      </firmware-revision>
      <firmware-revision-available>
        firmware-revision-available
      </firmware-revision-available>
      <firmware-status>
        firmware-status
      </firmware-status>
    </system-sub-module-firmware>
  </system-sub-module-firmware-list>

```

</system-firmware>

**Description**    Firmware sub module

### <system-sub-module-firmware>

#### Usage

```
<system-firmware-information>
  <system-firmware>
    <system-sub-module-firmware-list>
      <system-sub-module-firmware>
        <firmware-name>
          firmware-name
        </firmware-name>
        <firmware-type>
          firmware-type
        </firmware-type>
        <firmware-tag>
          firmware-tag
        </firmware-tag>
        <firmware-revision>
          firmware-revision
        </firmware-revision>
        <firmware-revision-available>
          firmware-revision-available
        </firmware-revision-available>
        <firmware-status>
          firmware-status
        </firmware-status>
      </system-sub-module-firmware>
    </system-sub-module-firmware-list>
  </system-firmware>
</system-firmware-information>
```

**Description**    Firmware sub module

### <system-sub-module-firmware>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-firmware-information>
      <system-firmware>
        <system-sub-module-firmware-list>
          <system-sub-module-firmware>
            <firmware-name>
              firmware-name
            </firmware-name>
            <firmware-type>
              firmware-type
            </firmware-type>
            <firmware-tag>
```



```

        firmware-tag
      </firmware-tag>
      <firmware-revision>
        firmware-revision
      </firmware-revision>
      <firmware-revision-available>
        firmware-revision-available
      </firmware-revision-available>
      <firmware-status>
        firmware-status
      </firmware-status>
    </system-sub-module-firmware>
  </system-sub-module-firmware-list>
</system-firmware>
</system-firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description** Firmware sub module

### <system-sub-module-firmware-compatibility>

#### Usage

```

<system-firmware-compatibility>
  <system-sub-module-firmware-compatibility-list>
    <system-sub-module-firmware-compatibility>
      <firmware-name>
        firmware-name
      </firmware-name>
      <firmware-type>
        firmware-type
      </firmware-type>
      <firmware-tag>
        firmware-tag
      </firmware-tag>
      <firmware-revision>
        firmware-revision
      </firmware-revision>
      <firmware-revision-available>
        firmware-revision-available
      </firmware-revision-available>
      <firmware-status>
        firmware-status
      </firmware-status>
      <firmware-action>
        firmware-action
      </firmware-action>
    </system-sub-module-firmware-compatibility>
  </system-sub-module-firmware-compatibility-list>
</system-firmware-compatibility>

```

**Description** Firmware sub module

## <system-sub-module-firmware-compatibility>

### Usage

```
<system-firmware-compatibility-information>
  <system-firmware-compatibility>
    <system-sub-module-firmware-compatibility-list>
      <system-sub-module-firmware-compatibility>
        <firmware-name>
          firmware-name
        </firmware-name>
        <firmware-type>
          firmware-type
        </firmware-type>
        <firmware-tag>
          firmware-tag
        </firmware-tag>
        <firmware-revision>
          firmware-revision
        </firmware-revision>
        <firmware-revision-available>
          firmware-revision-available
        </firmware-revision-available>
        <firmware-status>
          firmware-status
        </firmware-status>
        <firmware-action>
          firmware-action
        </firmware-action>
      </system-sub-module-firmware-compatibility>
    </system-sub-module-firmware-compatibility-list>
  </system-firmware-compatibility>
</system-firmware-compatibility-information>
```

**Description**    Firmware sub module

## <system-sub-module-firmware-compatibility>

### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-firmware-compatibility-information>
      <system-firmware-compatibility>
        <system-sub-module-firmware-compatibility-list>
          <system-sub-module-firmware-compatibility>
            <firmware-name>
              firmware-name
            </firmware-name>
            <firmware-type>
              firmware-type
            </firmware-type>
            <firmware-tag>
              firmware-tag
            </firmware-tag>
```

```

    <firmware-revision>
      firmware-revision
    </firmware-revision>
    <firmware-revision-available>
      firmware-revision-available
    </firmware-revision-available>
    <firmware-status>
      firmware-status
    </firmware-status>
    <firmware-action>
      firmware-action
    </firmware-action>
    </system-sub-module-firmware-compatibility>
  </system-sub-module-firmware-compatibility-list>
</system-firmware-compatibility>
</system-firmware-compatibility-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

**Description** Firmware sub module

### <system-sub-module-firmware-compatibility-list>

#### Usage

```

    <system-firmware-compatibility>
      <system-sub-module-firmware-compatibility-list>

    <system-sub-module-firmware-compatibility>....</system-sub-module-firmware-compatibility>

    </system-sub-module-firmware-compatibility-list>
  </system-firmware-compatibility>

```

#### Description

### <system-sub-module-firmware-compatibility-list>

#### Usage

```

    <system-firmware-compatibility-information>
      <system-firmware-compatibility>
        <system-sub-module-firmware-compatibility-list>

    <system-sub-module-firmware-compatibility>....</system-sub-module-firmware-compatibility>

    </system-sub-module-firmware-compatibility-list>
  </system-firmware-compatibility>
</system-firmware-compatibility-information>

```

#### Description

### <system-sub-module-firmware-compatibility-list>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-firmware-compatibility-information>
      <system-firmware-compatibility>
        <system-sub-module-firmware-compatibility-list>

<system-sub-module-firmware-compatibility>....</system-sub-module-firmware-compatibility>

      </system-sub-module-firmware-compatibility-list>
    </system-firmware-compatibility>
  </system-firmware-compatibility-information>
</multi-routing-engine-item>
</multi-routing-engine-results>
```

#### Description

### <system-sub-module-firmware-list>

#### Usage

```
<system-firmware>
  <system-sub-module-firmware-list>
    <system-sub-module-firmware>....</system-sub-module-firmware>
  </system-sub-module-firmware-list>
</system-firmware>
```

#### Description

### <system-sub-module-firmware-list>

#### Usage

```
<system-firmware-information>
  <system-firmware>
    <system-sub-module-firmware-list>
      <system-sub-module-firmware>....</system-sub-module-firmware>
    </system-sub-module-firmware-list>
  </system-firmware>
</system-firmware-information>
```

#### Description

### <system-sub-module-firmware-list>

#### Usage

```
<multi-routing-engine-results>
  <multi-routing-engine-item>
    <system-firmware-information>
      <system-firmware>
        <system-sub-module-firmware-list>
          <system-sub-module-firmware>....</system-sub-module-firmware>
```

```

        </system-sub-module-firmware-list>
    </system-firmware>
</system-firmware-information>
</multi-routing-engine-item>
</multi-routing-engine-results>

```

## Description

&lt;tdr&gt;

## Usage

```

<tdr>
  <interface-information>....</interface-information>
  <interface-information-detail>....</interface-information-detail>
</tdr>

```

## Description

&lt;telemetries-information&gt;

## Usage

```

<poe>
  <telemetries-information>
    <telemetries-index>
      telemetries-index
    </telemetries-index>
    <telemetries-timestamp>
      telemetries-timestamp
    </telemetries-timestamp>
    <telemetries-power>
      telemetries-power
    </telemetries-power>
    <telemetries-voltage>
      telemetries-voltage
    </telemetries-voltage>
  </telemetries-information>
</poe>

```

## Description

&lt;temperature-reading&gt;

## Usage

```

<environment-component-information>
  <environment-component-item>
    <temperature-reading>
      <temperature-name>
        temperature-name
      </temperature-name>
      <temperature>
        temperature
      </temperature>
    </temperature-reading>
  </environment-component-item>
</environment-component-information>

```

```
</environment-component-item>
</environment-component-information>
```

**Description****<temperature-threshold>****Usage**

```
<temperature-threshold-information>
  <temperature-threshold>
    <name>
      name
    </name>
    <fan-normal-speed>
      fan-normal-speed
    </fan-normal-speed>
    <fan-high-speed>
      fan-high-speed
    </fan-high-speed>
    <yellow-alarm>
      yellow-alarm
    </yellow-alarm>
    <bad-fan-yellow-alarm>
      bad-fan-yellow-alarm
    </bad-fan-yellow-alarm>
    <red-alarm>
      red-alarm
    </red-alarm>
    <bad-fan-red-alarm>
      bad-fan-red-alarm
    </bad-fan-red-alarm>
  </temperature-threshold>
</temperature-threshold-information>

<temperature-threshold-information-item>....</temperature-threshold-information-item>

</temperature-threshold>
</temperature-threshold-information>
```

**Description** Temperature threshold information for a component on the routing platform.

**<temperature-threshold-information>****Usage**

```
<temperature-threshold-information>
  <temperature-threshold>....</temperature-threshold>
</temperature-threshold-information>
```

**Description** Information about the temperature threshold settings for components in the routing platform

**<temperature-threshold-information-item>****Usage**

```

<temperature-threshold-information>
  <temperature-threshold>
    <temperature-threshold-information-item>
  </temperature-threshold-information-item>
  </temperature-threshold>
</temperature-threshold-information>

```

**Description****<vcpu>****Usage**

```

<vcpu-information>
  <vcpu>
    <slot>
      slot
    </slot>
    <state>
      state
    </state>
    <description>
      description
    </description>
    <error-code>
      error-code
    </error-code>
    <temperature>
      temperature
    </temperature>
    <cpu-total>
      cpu-total
    </cpu-total>
    <cpu-interrupt>
      cpu-interrupt
    </cpu-interrupt>
    <memory-dram-size>
      memory-dram-size
    </memory-dram-size>
    <comment>
      comment
    </comment>
  </vcpu>
</vcpu-information>

```

**Description****<vcpu-information>****Usage**

```

<vcpu-information>

```

```
<vcpu>....</vcpu>
</vcpu-information>
```

**Description****<voltage>****Usage**

```
<environment-component-information>
<environment-component-item>
  <power-information>
    <voltage>
      <reference-voltage>
        reference-voltage
      </reference-voltage>
      <actual-voltage>
        actual-voltage
      </actual-voltage>
    </voltage>
  </power-information>
</environment-component-item>
</environment-component-information>
```

**Description****<write-register>****Usage**

```
<write-register>
  <cb-slot>
    cb-slot
  </cb-slot>
  <fchip-id>
    fchip-id
  </fchip-id>
  <address>
    address
  </address>
  <data>
    data
  </data>
</write-register>
```

**Description** Write switch fabric register

**<xf-read-register>****Usage**

```
<xf-read-register>
  <xfchip-id>
    xfchip-id
  </xfchip-id>
```



```
<xf-address>
  xf-address
</xf-address>
<xf-data>
  xf-data
</xf-data>
</xf-read-register>
```

**Description** Read XFCHIP register

### <xf-show-summary>

#### Usage

```
<xf-show-summary>
  <xfchip-id>
    xfchip-id
  </xfchip-id>
  <xf-mode>
    xf-mode
  </xf-mode>
</xf-show-summary>
```

**Description** Show XFCHIP summary

### <xf-write-register>

#### Usage

```
<xf-write-register>
  <xfchip-id>
    xfchip-id
  </xfchip-id>
  <xf-address>
    xf-address
  </xf-address>
  <xf-data>
    xf-data
  </xf-data>
</xf-write-register>
```

**Description** Write XFCHIP register

---

## Summary of 802.1X Process Response Tags

### <authentication-whitelist-information>

#### Usage

```
<authentication-whitelist-information>
  <authentication-whitelist-mac>....</authentication-whitelist-mac>

  <authentication-whitelist-mac-bypassed-users>....</authentication-whitelist-mac-bypassed-users>
```

</authentication-whitelist-information>

#### Description

### <authentication-whitelist-mac>

#### Usage

```
<authentication-whitelist-information>
  <authentication-whitelist-mac>
    <authentication-whitelist-mac-address>
      authentication-whitelist-mac-address
    </authentication-whitelist-mac-address>
    <authentication-whitelist-mac-prefix>
      authentication-whitelist-mac-prefix
    </authentication-whitelist-mac-prefix>
    <authentication-whitelist-mac-vlan-assignment>
      authentication-whitelist-mac-vlan-assignment
    </authentication-whitelist-mac-vlan-assignment>
    <authentication-whitelist-mac-interface>
      authentication-whitelist-mac-interface
    </authentication-whitelist-mac-interface>
  </authentication-whitelist-mac>
</authentication-whitelist-information>
```

**Description** Information about configured white-list MAC addresses

### <authentication-whitelist-mac-bypassed-users>

#### Usage

```
<authentication-whitelist-information>
  <authentication-whitelist-mac-bypassed-users>
    <authentication-whitelist-mac-bypass>
      authentication-whitelist-mac-bypass
    </authentication-whitelist-mac-bypass>
    <authentication-whitelist-mac-bypass-vlan>
      authentication-whitelist-mac-bypass-vlan
    </authentication-whitelist-mac-bypass-vlan>
    <authentication-whitelist-mac-bypass-interface>
      authentication-whitelist-mac-bypass-interface
    </authentication-whitelist-mac-bypass-interface>
  </authentication-whitelist-mac-bypassed-users>
</authentication-whitelist-information>
```

**Description** List of users who bypassed authentication

### <cp-interface>

#### Usage

```
<cp-interface-information>
  <cp-interface>
```

```

    <cp-interface-name>
      cp-interface-name
    </cp-interface-name>
    <cp-user-name>
      cp-user-name
    </cp-user-name>
    <cp-user-mac-address>
      cp-user-mac-address
    </cp-user-mac-address>
    <cp-state>
      cp-state
    </cp-state>
    <cp-administrative-mode>
      cp-administrative-mode
    </cp-administrative-mode>
    <cp-number-of-retries>
      cp-number-of-retries
    </cp-number-of-retries>
    <cp-quiet-period>
      cp-quiet-period
    </cp-quiet-period>
    <cp-configured-session-lifespan>
      cp-configured-session-lifespan
    </cp-configured-session-lifespan>
    <cp-server-timeout>
      cp-server-timeout
    </cp-server-timeout>
    <cp-number-of-connected-suplicants>
      cp-number-of-connected-suplicants
    </cp-number-of-connected-suplicants>
    <cp-suppliant-list>....</cp-suppliant-list>
  </cp-interface>
</cp-interface-information>

```

**Description****<cp-interface-information>****Usage**

```

<cp-interface-information>
  <cp-interface>....</cp-interface>
</cp-interface-information>

```

**Description****<cp-suppliant>****Usage**

```

<cp-interface-information>
  <cp-interface>
    <cp-suppliant-list>
      <cp-suppliant>
        <cp-suppliant-name>
          cp-suppliant-name

```

```
</cp-supPLICant-name>
<cp-supPLICant-mac-address>
  cp-supPLICant-mac-address
</cp-supPLICant-mac-address>
<cp-supPLICant-state>
  cp-supPLICant-state
</cp-supPLICant-state>
<cp-dynamic-filter>
  cp-dynamic-filter
</cp-dynamic-filter>
<cp-dynamic-session-lifespan>
  cp-dynamic-session-lifespan
</cp-dynamic-session-lifespan>
<cp-session-expiration-time>
  cp-session-expiration-time
</cp-session-expiration-time>
</cp-supPLICant>
</cp-supPLICant-list>
</cp-interface>
</cp-interface-information>
```

#### Description

### <cp-supPLICant-list>

#### Usage

```
<cp-interface-information>
  <cp-interface>
    <cp-supPLICant-list>
      <cp-supPLICant>....</cp-supPLICant>
    </cp-supPLICant-list>
  </cp-interface>
</cp-interface-information>
```

#### Description

### <dot1x-authentication-failed-users>

#### Usage

```
<dot1x-interface-information>
  <dot1x-authentication-failed-users>
    <authentication-failed-interface>
      authentication-failed-interface
    </authentication-failed-interface>
    <authentication-failed-mac-addr>
      authentication-failed-mac-addr
    </authentication-failed-mac-addr>
    <authentication-failed-user>
      authentication-failed-user
    </authentication-failed-user>
    <authentication-failed-count>
      authentication-failed-count
    </authentication-failed-count>
  </dot1x-authentication-failed-users>
```

```
</dot1x-interface-information>
```

**Description** List of users who failed authentication

## <dot1x-firewall-interface>

### Usage

```
<dot1x-interface-information>
  <dot1x-firewall-interface>
    <filter-name>
      filter-name
    </filter-name>
    <counter-name>
      counter-name
    </counter-name>
    <policer-name>
      policer-name
    </policer-name>
    <bytes>
      bytes
    </bytes>
    <packets>
      packets
    </packets>
    <packet-count>
      packet-count
    </packet-count>
  </dot1x-firewall-interface>
</dot1x-interface-information>
```

### Description

## <dot1x-interface-information>

### Usage

```
<dot1x-interface-information>
  <interface>.....</interface>
  <dot1x-static-mac-address>.....</dot1x-static-mac-address>
  <dot1x-authentication-failed-users>.....</dot1x-authentication-failed-users>
  <dot1x-interface-statistics>.....</dot1x-interface-statistics>
  <dot1x-staticmac-bypassed-users>.....</dot1x-staticmac-bypassed-users>
  <dot1x-firewall-interface>.....</dot1x-firewall-interface>
</dot1x-interface-information>
```

### Description

## <dot1x-interface-statistics>

### Usage

```
<dot1x-interface-information>
  <dot1x-interface-statistics>
    <eapol-interface-name>
```

```
    eapol-interface-name
  </eapol-interface-name>
  <eapol-total-received-frames>
    eapol-total-received-frames
  </eapol-total-received-frames>
  <eapol-start-frames>
    eapol-start-frames
  </eapol-start-frames>
  <eapol-logoff-frames>
    eapol-logoff-frames
  </eapol-logoff-frames>
  <eapol-response-id-frames>
    eapol-response-id-frames
  </eapol-response-id-frames>
  <eapol-response-frames>
    eapol-response-frames
  </eapol-response-frames>
  <eapol-invalid-frames>
    eapol-invalid-frames
  </eapol-invalid-frames>
  <eapol-length-error-frames>
    eapol-length-error-frames
  </eapol-length-error-frames>
  <eapol-lastframe-version>
    eapol-lastframe-version
  </eapol-lastframe-version>
  <eapol-lastframe-macaddress>
    eapol-lastframe-macaddress
  </eapol-lastframe-macaddress>
  <eapol-total-transmitted-packets>
    eapol-total-transmitted-packets
  </eapol-total-transmitted-packets>
  <eapol-request-id-frames>
    eapol-request-id-frames
  </eapol-request-id-frames>
  <eapol-request-frames>
    eapol-request-frames
  </eapol-request-frames>
</dot1x-interface-statistics>
</dot1x-interface-information>
```

**Description**    Display interface statistics

### <dot1x-static-mac-address>

#### Usage

```
<dot1x-interface-information>
  <dot1x-static-mac-address>
    <static-mac-address>
      static-mac-address
    </static-mac-address>
    <static-mac-prefix>
      static-mac-prefix
    </static-mac-prefix>
```

```
<static-mac-vlan-assignment>
  static-mac-vlan-assignment
</static-mac-vlan-assignment>
<static-mac-interface>
  static-mac-interface
</static-mac-interface>
</dot1x-static-mac-address>
</dot1x-interface-information>
```

**Description** Information about configured static MAC addresses

### <dot1x-staticmac-bypassed-users>

#### Usage

```
<dot1x-interface-information>
  <dot1x-staticmac-bypassed-users>
    <static-mac-bypass>
      static-mac-bypass
    </static-mac-bypass>
    <static-mac-bypass-vlan>
      static-mac-bypass-vlan
    </static-mac-bypass-vlan>
    <static-mac-bypass-interface>
      static-mac-bypass-interface
    </static-mac-bypass-interface>
  </dot1x-staticmac-bypassed-users>
</dot1x-interface-information>
```

**Description** List of users who bypassed authentication

### <interface>

#### Usage

```
<dot1x-interface-information>
  <interface>
    <interface-name>
      interface-name
    </interface-name>
    <user-name>
      user-name
    </user-name>
    <user-mac-address>
      user-mac-address
    </user-mac-address>
    <role>
      role
    </role>
    <state>
      state
    </state>
    <administrative-state>
      administrative-state
```

```
</administrative-state>
<administrative-mode>
  administrative-mode
</administrative-mode>
<number-of-retries>
  number-of-retries
</number-of-retries>
<quiet-period>
  quiet-period
</quiet-period>
<transmit-period>
  transmit-period
</transmit-period>
<mac-radius>
  mac-radius
</mac-radius>
<mac-radius-strict>
  mac-radius-strict
</mac-radius-strict>
<reauthentication>
  reauthentication
</reauthentication>
<reauthentication-interval>
  reauthentication-interval
</reauthentication-interval>
<supplicant-timeout>
  supplicant-timeout
</supplicant-timeout>
<server-timeout>
  server-timeout
</server-timeout>
<max-eapol-request>
  max-eapol-request
</max-eapol-request>
<frame-control>
  frame-control
</frame-control>
<guest-vlan>
  guest-vlan
</guest-vlan>
<number-of-connected-supplicants>
  number-of-connected-supplicants
</number-of-connected-supplicants>
<supplicant-list>....</supplicant-list>
</interface>
</dot1x-interface-information>
```

#### Description

<supplicant>

#### Usage

```
<dot1x-interface-information>
  <interface>
    <supplicant-list>
```



```

<supplicant>
  <supplicant-name>
    supplicant-name
  </supplicant-name>
  <supplicant-mac-address>
    supplicant-mac-address
  </supplicant-mac-address>
  <supplicant-state>
    supplicant-state
  </supplicant-state>
  <backend-administrative-state>
    backend-administrative-state
  </backend-administrative-state>
  <authentication-method>
    authentication-method
  </authentication-method>
  <vlan>
    vlan
  </vlan>
  <dynamic-filter>
    dynamic-filter
  </dynamic-filter>
  <session-reauthentication-interval>
    session-reauthentication-interval
  </session-reauthentication-interval>
  <reauthentication-due>
    reauthentication-due
  </reauthentication-due>
</supplicant>
</supplicant-list>
</interface>
</dot1x-interface-information>

```

#### Description

#### <supplicant-list>

##### Usage

```

<dot1x-interface-information>
  <interface>
    <supplicant-list>
      <supplicant>....</supplicant>
    </supplicant-list>
  </interface>
</dot1x-interface-information>

```

#### Description

#### <task>

##### Usage

```

<task-timer-information>
  <task>
    <task-name>

```

```
    task-name
  </task-name>
  <task-timer-priority>....</task-timer-priority>
  <task-timer-summary>....</task-timer-summary>
  <task-timer>....</task-timer>
</task>
</task-timer-information>
```

#### Description

### <task-account-information>

#### Usage

```
<task-accounting-information>
  <task-account-information>
</task-account-information>
</task-accounting-information>
```

#### Description

### <task-account-status>

#### Usage

```
<task-accounting-information>
  <task-account-status>
</task-account-status>
</task-accounting-information>
```

#### Description

### <task-accounting-information>

#### Usage

```
<task-accounting-information>
  <task-acc-task-name>
    task-acc-task-name
  </task-acc-task-name>
  <task-acc-status>
    task-acc-status
  </task-acc-status>
  <task-acc-task-started>
    task-acc-task-started
  </task-acc-task-started>
  <task-acc-task-user-time>
    task-acc-task-user-time
  </task-acc-task-user-time>
  <task-acc-task-system-time>
    task-acc-task-system-time
  </task-acc-task-system-time>
  <task-acc-task-longest-run>
    task-acc-task-longest-run
  </task-acc-task-longest-run>
<task-account-status>....</task-account-status>
```

```

    <task-account-information>....</task-account-information>
</task-accounting-information>

```

#### Description

<task-block>

#### Usage

```

<task-block-list>
  <task-block>
    <tb-name>
      tb-name
    </tb-name>
    <tb-size>
      tb-size
    </tb-size>
    <tb-alloc-size>
      tb-alloc-size
    </tb-alloc-size>
    <tb-terse-transient>
      tb-terse-transient
    </tb-terse-transient>
    <tb-terse-fullpage>
      tb-terse-fullpage
    </tb-terse-fullpage>
    <tb-terse-debug>
      tb-terse-debug
    </tb-terse-debug>
    <tb-alloc-blocks>
      tb-alloc-blocks
    </tb-alloc-blocks>
    <tb-alloc-bytes>
      tb-alloc-bytes
    </tb-alloc-bytes>
    <tb-max-alloc-blocks>
      tb-max-alloc-blocks
    </tb-max-alloc-blocks>
    <tb-max-alloc-bytes>
      tb-max-alloc-bytes
    </tb-max-alloc-bytes>
  </task-block>
</task-block-list>

```

#### Description

<task-block>

#### Usage

```

<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>
      <task-block>
        <tb-name>
          tb-name

```

```
</tb-name>
<tb-size>
  tb-size
</tb-size>
<tb-alloc-size>
  tb-alloc-size
</tb-alloc-size>
<tb-terse-transient>
  tb-terse-transient
</tb-terse-transient>
<tb-terse-fullpage>
  tb-terse-fullpage
</tb-terse-fullpage>
<tb-terse-debug>
  tb-terse-debug
</tb-terse-debug>
<tb-alloc-blocks>
  tb-alloc-blocks
</tb-alloc-blocks>
<tb-alloc-bytes>
  tb-alloc-bytes
</tb-alloc-bytes>
<tb-max-alloc-blocks>
  tb-max-alloc-blocks
</tb-max-alloc-blocks>
<tb-max-alloc-bytes>
  tb-max-alloc-bytes
</tb-max-alloc-bytes>
</task-block>
</task-block-list>
</task-memory-allocator-report>
</task-memory-information>
```

#### Description

#### <task-block-list>

##### Usage

```
<task-block-list>
  <task-block>....</task-block>
</task-block-list>
```

#### Description

#### <task-block-list>

##### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>
      <task-block>....</task-block>
    </task-block-list>
  </task-memory-allocator-report>
```

```
</task-memory-information>
```

#### Description

**<task-io-information>**

#### Usage

```
<task-io-information>
  <task-io-task-name>
    task-io-task-name
  </task-io-task-name>
  <task-io-read>
    task-io-read
  </task-io-read>
  <task-io-write>
    task-io-write
  </task-io-write>
  <task-io-received>
    task-io-received
  </task-io-received>
  <task-io-sent>
    task-io-sent
  </task-io-sent>
  <task-io-dropped>
    task-io-dropped
  </task-io-dropped>
</task-io-information>
```

#### Description

**<task-jobs-background>**

#### Usage

```
<task-jobs-information>
  <task-jobs-background>
  </task-jobs-background>
</task-jobs-information>
```

#### Description

**<task-jobs-foreground>**

#### Usage

```
<task-jobs-information>
  <task-jobs-foreground>
  </task-jobs-foreground>
</task-jobs-information>
```

#### Description

## <task-jobs-information>

### Usage

```
<task-jobs-information>
  <task-jobs-fg-priority>
    task-jobs-fg-priority
  </task-jobs-fg-priority>
  <task-jobs-fg-task-name>
    task-jobs-fg-task-name
  </task-jobs-fg-task-name>
  <task-jobs-fg-wait>
    task-jobs-fg-wait
  </task-jobs-fg-wait>
  <task-jobs-fg-flags>
    task-jobs-fg-flags
  </task-jobs-fg-flags>
  <task-jobs-bg-priority>
    task-jobs-bg-priority
  </task-jobs-bg-priority>
  <task-jobs-bg-task-name>
    task-jobs-bg-task-name
  </task-jobs-bg-task-name>
  <task-jobs-bg-misses>
    task-jobs-bg-misses
  </task-jobs-bg-misses>
  <task-jobs-bg-runs>
    task-jobs-bg-runs
  </task-jobs-bg-runs>
  <task-jobs-bg-wait>
    task-jobs-bg-wait
  </task-jobs-bg-wait>
  <task-jobs-bg-flags>
    task-jobs-bg-flags
  </task-jobs-bg-flags>
  <task-jobs-foreground>....</task-jobs-foreground>
  <task-jobs-background>....</task-jobs-background>
</task-jobs-information>
```

### Description

## <task-lite-page>

### Usage

```
<task-lite-page-list>
  <task-lite-page>
    <tlp-name>
      tlp-name
    </tlp-name>
    <tlp-alloc-pages>
      tlp-alloc-pages
    </tlp-alloc-pages>
    <tlp-alloc-bytes>
      tlp-alloc-bytes
    </tlp-alloc-bytes>
  </task-lite-page>
</task-lite-page-list>
```

```

<tlp-max-alloc-pages>
  tlp-max-alloc-pages
</tlp-max-alloc-pages>
<tlp-max-alloc-bytes>
  tlp-max-alloc-bytes
</tlp-max-alloc-bytes>
</task-lite-page>
</task-lite-page-list>

```

#### Description

#### <task-lite-page>

##### Usage

```

<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>
        <tlp-name>
          tlp-name
        </tlp-name>
        <tlp-alloc-pages>
          tlp-alloc-pages
        </tlp-alloc-pages>
        <tlp-alloc-bytes>
          tlp-alloc-bytes
        </tlp-alloc-bytes>
        <tlp-max-alloc-pages>
          tlp-max-alloc-pages
        </tlp-max-alloc-pages>
        <tlp-max-alloc-bytes>
          tlp-max-alloc-bytes
        </tlp-max-alloc-bytes>
      </task-lite-page>
    </task-lite-page-list>
  </task-memory-allocator-report>
</task-memory-information>

```

#### Description

#### <task-lite-page-list>

##### Usage

```

<task-lite-page-list>
  <task-lite-page>....</task-lite-page>
</task-lite-page-list>

```

#### Description

#### <task-lite-page-list>

##### Usage

```

<task-memory-information>

```

```
<task-memory-allocator-report>
  <task-lite-page-list>
    <task-lite-page>....</task-lite-page>
  </task-lite-page-list>
</task-memory-allocator-report>
</task-memory-information>
```

#### Description

### <task-malloc>

#### Usage

```
<task-malloc-list>
  <task-malloc>
    <tm-name>
      tm-name
    </tm-name>
    <tm-allocs>
      tm-allocs
    </tm-allocs>
    <tm-alloc-bytes>
      tm-alloc-bytes
    </tm-alloc-bytes>
    <tm-max-allocs>
      tm-max-allocs
    </tm-max-allocs>
    <tm-max-alloc-bytes>
      tm-max-alloc-bytes
    </tm-max-alloc-bytes>
    <tm-function-calls>
      tm-function-calls
    </tm-function-calls>
  </task-malloc>
</task-malloc-list>
```

#### Description

### <task-malloc>

#### Usage

```
<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>
        <tm-name>
          tm-name
        </tm-name>
        <tm-allocs>
          tm-allocs
        </tm-allocs>
        <tm-alloc-bytes>
          tm-alloc-bytes
        </tm-alloc-bytes>
        <tm-max-allocs>
```



```

        tm-max-allocs
      </tm-max-allocs>
      <tm-max-alloc-bytes>
        tm-max-alloc-bytes
      </tm-max-alloc-bytes>
      <tm-function-calls>
        tm-function-calls
      </tm-function-calls>
    </task-malloc>
  </task-malloc-list>
</task-memory-malloc-usage-report>
</task-memory-information>

```

#### Description

<task-malloc-list>

#### Usage

```

<task-malloc-list>
  <task-malloc>....</task-malloc>
</task-malloc-list>

```

#### Description

<task-malloc-list>

#### Usage

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>....</task-malloc>
    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

#### Description

<task-memory-allocator-report>

#### Usage

```

<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>....</task-block-list>
    <task-lite-page-list>....</task-lite-page-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-allocator-report>
</task-memory-information>

```

## Description

### <task-memory-information>

#### Usage

```
<task-memory-information>
  <task-memory-in-use-size>
    task-memory-in-use-size
  </task-memory-in-use-size>
  <task-memory-in-use-avail>
    task-memory-in-use-avail
  </task-memory-in-use-avail>
  <task-memory-max-size>
    task-memory-max-size
  </task-memory-max-size>
  <task-memory-max-avail>
    task-memory-max-avail
  </task-memory-max-avail>
  <task-memory-max-when>
    task-memory-max-when
  </task-memory-max-when>
  <task-memory-free-size>
    task-memory-free-size
  </task-memory-free-size>
  <task-memory-overall-report>....</task-memory-overall-report>
  <task-memory-allocator-report>....</task-memory-allocator-report>
  <task-memory-malloc-usage-report>....</task-memory-malloc-usage-report>
  <task-memory-dynamic-allocs>
    task-memory-dynamic-allocs
  </task-memory-dynamic-allocs>
  <task-memory-max-dynamic-allocs>
    task-memory-max-dynamic-allocs
  </task-memory-max-dynamic-allocs>
  <task-memory-bss-bytes>
    task-memory-bss-bytes
  </task-memory-bss-bytes>
  <task-memory-max-bss-bytes>
    task-memory-max-bss-bytes
  </task-memory-max-bss-bytes>
  <task-memory-page-data-bytes>
    task-memory-page-data-bytes
  </task-memory-page-data-bytes>
  <task-memory-max-page-data-bytes>
    task-memory-max-page-data-bytes
  </task-memory-max-page-data-bytes>
  <task-memory-dir-bytes>
    task-memory-dir-bytes
  </task-memory-dir-bytes>
  <task-memory-max-dir-bytes>
    task-memory-max-dir-bytes
  </task-memory-max-dir-bytes>
  <task-memory-total-bytes-in-use>
    task-memory-total-bytes-in-use
  </task-memory-total-bytes-in-use>
  <task-memory-total-bytes-percent>
    task-memory-total-bytes-percent
```

```

    </task-memory-total-bytes-percent>
  </task-memory-information>

```

#### Description

### <task-memory-malloc-usage-report>

#### Usage

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>....</task-malloc-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

#### Description

### <task-memory-overall-report>

#### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>....</task-size-block-list>
    <task-memory-stats-list>....</task-memory-stats-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
    <task-memory-total-free-bytes>
      task-memory-total-free-bytes
    </task-memory-total-free-bytes>
  </task-memory-overall-report>
</task-memory-information>

```

#### Description

### <task-memory-stats>

#### Usage

```

<task-memory-stats>
  <tms-name>
    tms-name
  </tms-name>
  <tms-allocs>
    tms-allocs
  </tms-allocs>

```

```
<tms-mallocs>
  tms-mallocs
</tms-mallocs>
<tms-alloc-bytes>
  tms-alloc-bytes
</tms-alloc-bytes>
<tms-max-allocs>
  tms-max-allocs
</tms-max-allocs>
<tms-max-bytes>
  tms-max-bytes
</tms-max-bytes>
<tms-free-bytes>
  tms-free-bytes
</tms-free-bytes>
</task-memory-stats>
```

#### Description

### <task-memory-stats>

#### Usage

```
<task-memory-information>
  <task-memory-overall-report>
    <task-memory-stats-list>
      <task-memory-stats>
        <tms-name>
          tms-name
        </tms-name>
        <tms-allocs>
          tms-allocs
        </tms-allocs>
        <tms-mallocs>
          tms-mallocs
        </tms-mallocs>
        <tms-alloc-bytes>
          tms-alloc-bytes
        </tms-alloc-bytes>
        <tms-max-allocs>
          tms-max-allocs
        </tms-max-allocs>
        <tms-max-bytes>
          tms-max-bytes
        </tms-max-bytes>
        <tms-free-bytes>
          tms-free-bytes
        </tms-free-bytes>
      </task-memory-stats>
    </task-memory-stats-list>
  </task-memory-overall-report>
</task-memory-information>
```

#### Description

**<task-memory-stats-list>****Usage**

```

<task-memory-information>
  <task-memory-overall-report>
    <task-memory-stats-list>
      <task-memory-stats>....</task-memory-stats>
    </task-memory-stats-list>
  </task-memory-overall-report>
</task-memory-information>

```

**Description****<task-replication-state>****Usage**

```

<task-replication-state>
  <task-gres-state>
    task-gres-state
  </task-gres-state>
  <task-re-mode>
    task-re-mode
  </task-re-mode>
</task-replication-state>

```

**Description**    Current state of task replication

**<task-size-block>****Usage**

```

<task-size-block-list>
  <task-size-block>
    <tsb-size>
      tsb-size
    </tsb-size>
    <tsb-terse-transient>
      tsb-terse-transient
    </tsb-terse-transient>
    <tsb-terse-fullpage>
      tsb-terse-fullpage
    </tsb-terse-fullpage>
    <tsb-allocs>
      tsb-allocs
    </tsb-allocs>
    <tsb-mallocs>
      tsb-mallocs
    </tsb-mallocs>
    <tsb-alloc-bytes>
      tsb-alloc-bytes
    </tsb-alloc-bytes>
    <tsb-max-allocs>
      tsb-max-allocs
    </tsb-max-allocs>
  </task-size-block>
</task-size-block-list>

```

```
<tsb-max-bytes>
  tsb-max-bytes
</tsb-max-bytes>
<tsb-free-bytes>
  tsb-free-bytes
</tsb-free-bytes>
</task-size-block>
</task-size-block-list>
```

## Description

### <task-size-block>

#### Usage

```
<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>
      <task-size-block>
        <tsb-size>
          tsb-size
        </tsb-size>
        <tsb-terse-transient>
          tsb-terse-transient
        </tsb-terse-transient>
        <tsb-terse-fullpage>
          tsb-terse-fullpage
        </tsb-terse-fullpage>
        <tsb-allocs>
          tsb-allocs
        </tsb-allocs>
        <tsb-mallocs>
          tsb-mallocs
        </tsb-mallocs>
        <tsb-alloc-bytes>
          tsb-alloc-bytes
        </tsb-alloc-bytes>
        <tsb-max-allocs>
          tsb-max-allocs
        </tsb-max-allocs>
        <tsb-max-bytes>
          tsb-max-bytes
        </tsb-max-bytes>
        <tsb-free-bytes>
          tsb-free-bytes
        </tsb-free-bytes>
      </task-size-block>
    </task-size-block-list>
  </task-memory-overall-report>
</task-memory-information>
```

## Description

**<task-size-block-list>****Usage**

```
<task-size-block-list>
  <task-size-block>....</task-size-block>
</task-size-block-list>
```

**Description****<task-size-block-list>****Usage**

```
<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>
      <task-size-block>....</task-size-block>
    </task-size-block-list>
  </task-memory-overall-report>
</task-memory-information>
```

**Description****<task-statistics-information>****Usage**

```
<task-statistics-information>
  <task-stat-event-name>
    task-stat-event-name
  </task-stat-event-name>
  <task-stat-event-count>
    task-stat-event-count
  </task-stat-event-count>
</task-statistics-information>
```

**Description****<task-summary-information>****Usage**

```
<task-summary-information>
  <task-summary-priority>
    task-summary-priority
  </task-summary-priority>
  <task-summary-task-name>
    task-summary-task-name
  </task-summary-task-name>
  <task-summary-protocol>
    task-summary-protocol
  </task-summary-protocol>
  <task-summary-port>
    task-summary-port
  </task-summary-port>
```

```
<task-summary-socket>
  task-summary-socket
</task-summary-socket>
<task-summary-flags>
  task-summary-flags
</task-summary-flags>
</task-summary-information>
```

#### Description

### <task-timer>

#### Usage

```
<task-timer>
  <timer-name>
    timer-name
  </timer-name>
  <timer-late>
    timer-late
  </timer-late>
  <timer-expires>
    timer-expires
  </timer-expires>
  <timer-jitter>
    timer-jitter
  </timer-jitter>
  <timer-interval>
    timer-interval
  </timer-interval>
  <timer-flags>
    timer-flags
  </timer-flags>
</task-timer>
```

#### Description

### <task-timer>

#### Usage

```
<task-timer-information>
  <task>
    <task-timer>
      <timer-name>
        timer-name
      </timer-name>
      <timer-late>
        timer-late
      </timer-late>
      <timer-expires>
        timer-expires
      </timer-expires>
      <timer-jitter>
        timer-jitter
      </timer-jitter>
```



```

<timer-interval>
  timer-interval
</timer-interval>
<timer-flags>
  timer-flags
</timer-flags>
</task-timer>
</task>
</task-timer-information>

```

#### Description

### <task-timer-information>

#### Usage

```

<task-timer-information>
  <task>....</task>
</task-timer-information>

```

#### Description

### <task-timer-priority>

#### Usage

```

<task-timer-priority>
  <task-timer-type>
    task-timer-type
  </task-timer-type>
</task-timer-priority>

```

#### Description

### <task-timer-priority>

#### Usage

```

<task-timer-information>
  <task>
    <task-timer-priority>
      <task-timer-type>
        task-timer-type
      </task-timer-type>
    </task-timer-priority>
  </task>
</task-timer-information>

```

#### Description

### <task-timer-summary>

#### Usage

```

<task-timer-summary>
  <task-timer-leaf>

```

```
task-timer-leaf
</task-timer-leaf>
<task-timer-parent>
  task-timer-parent
</task-timer-parent>
<task-timer-expired>
  task-timer-expired
</task-timer-expired>
</task-timer-summary>
```

#### Description

### <task-timer-summary>

#### Usage

```
<task-timer-information>
  <task>
    <task-timer-summary>
      <task-timer-leaf>
        task-timer-leaf
      </task-timer-leaf>
      <task-timer-parent>
        task-timer-parent
      </task-timer-parent>
      <task-timer-expired>
        task-timer-expired
      </task-timer-expired>
    </task-timer-summary>
  </task>
</task-timer-information>
```

#### Description

### <tracing-information>

#### Usage

```
<tracing-information>
  <flags>
    flags
  </flags>
  <filename>
    filename
  </filename>
  <filesize>
    filesize
  </filesize>
  <filelimit>
    filelimit
  </filelimit>
</tracing-information>
```

#### Description

## Summary of ESW Response Tags

### <age-statistics>

#### Usage

```
<age-statistics>
  <total-aging-message>
    total-aging-message
  </total-aging-message>
  <immediate-aging>
    immediate-aging
  </immediate-aging>
  <mac-address-seen>
    mac-address-seen
  </mac-address-seen>
  <mac-address-not-seen>
    mac-address-not-seen
  </mac-address-not-seen>
  <age-message-with-error>
    age-message-with-error
  </age-message-with-error>
  <age-message-with-invalid-vlan>
    age-message-with-invalid-vlan
  </age-message-with-invalid-vlan>
  <age-message-with-unfound-entry>
    age-message-with-unfound-entry
  </age-message-with-unfound-entry>
  <age-message-for-static-entry>
    age-message-for-static-entry
  </age-message-for-static-entry>
</age-statistics>
```

#### Description

### <age-statistics>

#### Usage

```
<ethernet-switching-statistics>
  <ethernet-switching-aging-stats>
    <age-statistics>
      <total-aging-message>
        total-aging-message
      </total-aging-message>
      <immediate-aging>
        immediate-aging
      </immediate-aging>
      <mac-address-seen>
        mac-address-seen
      </mac-address-seen>
      <mac-address-not-seen>
        mac-address-not-seen
      </mac-address-not-seen>
      <age-message-with-error>
        age-message-with-error
```

```
</age-message-with-error>
<age-message-with-invalid-vlan>
  age-message-with-invalid-vlan
</age-message-with-invalid-vlan>
<age-message-with-unfound-entry>
  age-message-with-unfound-entry
</age-message-with-unfound-entry>
<age-message-for-static-entry>
  age-message-for-static-entry
</age-message-for-static-entry>
</age-statistics>
</ethernet-switching-aging-stats>
</ethernet-switching-statistics>
```

#### Description

### <analyzer>

#### Usage

```
<analyzer>
  <analyzer-information>....</analyzer-information>
</analyzer>
```

#### Description

### <analyzer-egress-interface-list>

#### Usage

```
<analyzer-egress-interface-list>
  <analyzer-egress-interface-name>
    analyzer-egress-interface-name
  </analyzer-egress-interface-name>
</analyzer-egress-interface-list>
```

#### Description

### <analyzer-egress-interface-list>

#### Usage

```
<analyzer>
  <analyzer-information>
    <analyzer-egress-interface-list>
      <analyzer-egress-interface-name>
        analyzer-egress-interface-name
      </analyzer-egress-interface-name>
    </analyzer-egress-interface-list>
  </analyzer-information>
</analyzer>
```

#### Description

**<analyzer-egress-vlan-list>****Usage**

```

<analyzer-egress-vlan-list>
  <analyzer-egress-vlan-name>
    analyzer-egress-vlan-name
  </analyzer-egress-vlan-name>
</analyzer-egress-vlan-list>

```

**Description****<analyzer-egress-vlan-list>****Usage**

```

<analyzer>
  <analyzer-information>
    <analyzer-egress-vlan-list>
      <analyzer-egress-vlan-name>
        analyzer-egress-vlan-name
      </analyzer-egress-vlan-name>
    </analyzer-egress-vlan-list>
  </analyzer-information>
</analyzer>

```

**Description****<analyzer-information>****Usage**

```

<analyzer>
  <analyzer-information>
    <analyzer-name>
      analyzer-name
    </analyzer-name>
    <analyzer-mirror-ratio>
      analyzer-mirror-ratio
    </analyzer-mirror-ratio>
    <analyzer-loss-priority>
      analyzer-loss-priority
    </analyzer-loss-priority>
    <analyzer-ingress-interface-list>....</analyzer-ingress-interface-list>
    <analyzer-egress-interface-list>....</analyzer-egress-interface-list>
    <analyzer-ingress-vlan-list>....</analyzer-ingress-vlan-list>
    <analyzer-egress-vlan-list>....</analyzer-egress-vlan-list>
    <analyzer-monitor>....</analyzer-monitor>
  </analyzer-information>
</analyzer>

```

**Description**

### <analyzer-ingress-interface-list>

#### Usage

```
<analyzer-ingress-interface-list>
  <analyzer-ingress-interface-name>
    analyzer-ingress-interface-name
  </analyzer-ingress-interface-name>
</analyzer-ingress-interface-list>
```

#### Description

### <analyzer-ingress-interface-list>

#### Usage

```
<analyzer>
  <analyzer-information>
    <analyzer-ingress-interface-list>
      <analyzer-ingress-interface-name>
        analyzer-ingress-interface-name
      </analyzer-ingress-interface-name>
    </analyzer-ingress-interface-list>
  </analyzer-information>
</analyzer>
```

#### Description

### <analyzer-ingress-vlan-list>

#### Usage

```
<analyzer-ingress-vlan-list>
  <analyzer-ingress-vlan-name>
    analyzer-ingress-vlan-name
  </analyzer-ingress-vlan-name>
</analyzer-ingress-vlan-list>
```

#### Description

### <analyzer-ingress-vlan-list>

#### Usage

```
<analyzer>
  <analyzer-information>
    <analyzer-ingress-vlan-list>
      <analyzer-ingress-vlan-name>
        analyzer-ingress-vlan-name
      </analyzer-ingress-vlan-name>
    </analyzer-ingress-vlan-list>
  </analyzer-information>
</analyzer>
```

#### Description

### <analyzer-monitor>

#### Usage

```
<analyzer-monitor>
  <analyzer-monitor-port>
    analyzer-monitor-port
  </analyzer-monitor-port>
  <analyzer-monitor-vlan>
    analyzer-monitor-vlan
  </analyzer-monitor-vlan>
</analyzer-monitor>
```

#### Description

### <analyzer-monitor>

#### Usage

```
<analyzer>
  <analyzer-information>
    <analyzer-monitor>
      <analyzer-monitor-port>
        analyzer-monitor-port
      </analyzer-monitor-port>
      <analyzer-monitor-vlan>
        analyzer-monitor-vlan
      </analyzer-monitor-vlan>
    </analyzer-monitor>
  </analyzer-information>
</analyzer>
```

#### Description

### <arp-inspection>

#### Usage

```
<arp-inspection>
  <arp-inspection-statistics>....</arp-inspection-statistics>
</arp-inspection>
```

#### Description

### <arp-inspection-statistics>

#### Usage

```
<arp-inspection>
  <arp-inspection-statistics>
    <arp-inspection-statistics-entry>....</arp-inspection-statistics-entry>
  </arp-inspection-statistics>
</arp-inspection>
```

#### Description

## <arp-inspection-statistics-entry>

### Usage

```
<arp-inspection>
  <arp-inspection-statistics>
    <arp-inspection-statistics-entry>
      <arp-interface>
        arp-interface
      </arp-interface>
      <arp-packet-count>
        arp-packet-count
      </arp-packet-count>
      <arp-packet-pass>
        arp-packet-pass
      </arp-packet-pass>
      <arp-packet-fail>
        arp-packet-fail
      </arp-packet-fail>
    </arp-inspection-statistics-entry>
  </arp-inspection-statistics>
</arp-inspection>
```

### Description

## <cist-bridge-parameters>

### Usage

```
<cist-bridge-parameters>
  <cist-id>
    cist-id
  </cist-id>
  <root-bridge>....</root-bridge>
  <root-port>
    root-port
  </root-port>
  <root-cost>
    root-cost
  </root-cost>
  <regional-root-bridge>....</regional-root-bridge>
  <internal-root-cost>
    internal-root-cost
  </internal-root-cost>
  <hello-time-learned>
    hello-time-learned
  </hello-time-learned>
  <max-age-learned>
    max-age-learned
  </max-age-learned>
  <forward-delay-learned>
    forward-delay-learned
  </forward-delay-learned>
  <message-age>
    message-age
  </message-age>
```



```

<hop-count>
  hop-count
</hop-count>
<time-since-last-topology-change>
  time-since-last-topology-change
</time-since-last-topology-change>
<topology-change-count>
  topology-change-count
</topology-change-count>
<topology-change-initiator>
  topology-change-initiator
</topology-change-initiator>
<topology-change-last-received-from>
  topology-change-last-received-from
</topology-change-last-received-from>
<extended-system-id>
  extended-system-id
</extended-system-id>
<internal-instance-id>
  internal-instance-id
</internal-instance-id>
<this-bridge>....</this-bridge>
<hello-time-configured>
  hello-time-configured
</hello-time-configured>
<max-age-configured>
  max-age-configured
</max-age-configured>
<forward-delay-configured>
  forward-delay-configured
</forward-delay-configured>
<maximum-hop-count-configured>
  maximum-hop-count-configured
</maximum-hop-count-configured>
<path-cost-method>
  path-cost-method
</path-cost-method>
</cist-bridge-parameters>

```

**Description** STP bridge parameters for common and internal spanning tree

### <cist-bridge-parameters>

#### Usage

```

<stp-bridge>
  <cist-bridge-parameters>
    <cist-id>
      cist-id
    </cist-id>
    <root-bridge>....</root-bridge>
    <root-port>
      root-port
    </root-port>
    <root-cost>

```

```
    root-cost
  </root-cost>
  <regional-root-bridge>....</regional-root-bridge>
  <internal-root-cost>
    internal-root-cost
  </internal-root-cost>
  <hello-time-learned>
    hello-time-learned
  </hello-time-learned>
  <max-age-learned>
    max-age-learned
  </max-age-learned>
  <forward-delay-learned>
    forward-delay-learned
  </forward-delay-learned>
  <message-age>
    message-age
  </message-age>
  <hop-count>
    hop-count
  </hop-count>
  <time-since-last-topology-change>
    time-since-last-topology-change
  </time-since-last-topology-change>
  <topology-change-count>
    topology-change-count
  </topology-change-count>
  <topology-change-initiator>
    topology-change-initiator
  </topology-change-initiator>
  <topology-change-last-received-from>
    topology-change-last-received-from
  </topology-change-last-received-from>
  <extended-system-id>
    extended-system-id
  </extended-system-id>
  <internal-instance-id>
    internal-instance-id
  </internal-instance-id>
  <this-bridge>....</this-bridge>
  <hello-time-configured>
    hello-time-configured
  </hello-time-configured>
  <max-age-configured>
    max-age-configured
  </max-age-configured>
  <forward-delay-configured>
    forward-delay-configured
  </forward-delay-configured>
  <maximum-hop-count-configured>
    maximum-hop-count-configured
  </maximum-hop-count-configured>
  <path-cost-method>
    path-cost-method
  </path-cost-method>
</cist-bridge-parameters>
```

```
</stp-bridge>
```

**Description** STP bridge parameters for common and internal spanning tree

### <customer-vlan-range>

#### Usage

```
<customer-vlan-range-list>
  <customer-vlan-range>
    <customer-vlan-range-start>
      customer-vlan-range-start
    </customer-vlan-range-start>
    <customer-vlan-range-end>
      customer-vlan-range-end
    </customer-vlan-range-end>
  </customer-vlan-range>
</customer-vlan-range-list>
```

#### Description

### <customer-vlan-range>

#### Usage

```
<vlan>
  <customer-vlan-range-list>
    <customer-vlan-range>
      <customer-vlan-range-start>
        customer-vlan-range-start
      </customer-vlan-range-start>
      <customer-vlan-range-end>
        customer-vlan-range-end
      </customer-vlan-range-end>
    </customer-vlan-range>
  </customer-vlan-range-list>
</vlan>
```

#### Description

### <customer-vlan-range>

#### Usage

```
<vlan-information>
  <vlan>
    <customer-vlan-range-list>
      <customer-vlan-range>
        <customer-vlan-range-start>
          customer-vlan-range-start
        </customer-vlan-range-start>
        <customer-vlan-range-end>
          customer-vlan-range-end
        </customer-vlan-range-end>
      </customer-vlan-range>
    </customer-vlan-range-list>
```

```
    </customer-vlan-range-list>
  </vlan>
</vlan-information>
```

#### Description

### <customer-vlan-range-list>

#### Usage

```
<customer-vlan-range-list>
  <customer-vlan-range>....</customer-vlan-range>
</customer-vlan-range-list>
```

#### Description

### <customer-vlan-range-list>

#### Usage

```
<vlan>
  <customer-vlan-range-list>
    <customer-vlan-range>....</customer-vlan-range>
  </customer-vlan-range-list>
</vlan>
```

#### Description

### <customer-vlan-range-list>

#### Usage

```
<vlan-information>
  <vlan>
    <customer-vlan-range-list>
      <customer-vlan-range>....</customer-vlan-range>
    </customer-vlan-range-list>
  </vlan>
</vlan-information>
```

#### Description

### <dhcp-snooping>

#### Usage

```
<dhcp-snooping>
  <dhcp-snooping-information>....</dhcp-snooping-information>
  <dhcp-snooping-statistics>....</dhcp-snooping-statistics>
</dhcp-snooping>
```

#### Description

## <dhcp-snooping-information>

### Usage

```

<dhcp-snooping>
  <dhcp-snooping-information>
    <dhcp-mac>
      dhcp-mac
    </dhcp-mac>
    <dhcp-ip>
      dhcp-ip
    </dhcp-ip>
    <dhcp-lease>
      dhcp-lease
    </dhcp-lease>
    <dhcp-type>
      dhcp-type
    </dhcp-type>
    <dhcp-vlan>
      dhcp-vlan
    </dhcp-vlan>
    <dhcp-interface>
      dhcp-interface
    </dhcp-interface>
  </dhcp-snooping-information>
</dhcp-snooping>

```

### Description

## <dhcp-snooping-statistics>

### Usage

```

<dhcp-snooping>
  <dhcp-snooping-statistics>
    <successful-transfers>
      successful-transfers
    </successful-transfers>
    <failed-transfers>
      failed-transfers
    </failed-transfers>
    <successful-reads>
      successful-reads
    </successful-reads>
    <failed-reads>
      failed-reads
    </failed-reads>
    <successful-writes>
      successful-writes
    </successful-writes>
    <failed-writes>
      failed-writes
    </failed-writes>
  </dhcp-snooping-statistics>
</dhcp-snooping>

```

**Description****<ethernet-switching-aging-stats>****Usage**

```
<ethernet-switching-statistics>
  <ethernet-switching-aging-stats>
    <age-statistics>....</age-statistics>
  </ethernet-switching-aging-stats>
</ethernet-switching-statistics>
```

**Description****<ethernet-switching-learning-stats>****Usage**

```
<ethernet-switching-learning-stats>
  <mac-stats-rcvd-total>
    mac-stats-rcvd-total
  </mac-stats-rcvd-total>
  <mac-stats-rcvd-local>
    mac-stats-rcvd-local
  </mac-stats-rcvd-local>
  <mac-stats-rcvd-transit>
    mac-stats-rcvd-transit
  </mac-stats-rcvd-transit>
  <mac-stats-error>
    mac-stats-error
  </mac-stats-error>
  <mac-stats-forced-update>
    mac-stats-forced-update
  </mac-stats-forced-update>
  <mac-statistics>....</mac-statistics>
</ethernet-switching-learning-stats>
```

**Description****<ethernet-switching-learning-stats>****Usage**

```
<ethernet-switching-statistics>
  <ethernet-switching-learning-stats>
    <mac-stats-rcvd-total>
      mac-stats-rcvd-total
    </mac-stats-rcvd-total>
    <mac-stats-rcvd-local>
      mac-stats-rcvd-local
    </mac-stats-rcvd-local>
    <mac-stats-rcvd-transit>
      mac-stats-rcvd-transit
    </mac-stats-rcvd-transit>
    <mac-stats-error>
      mac-stats-error
    </mac-stats-error>
```

```

    <mac-stats-forced-update>
      mac-stats-forced-update
    </mac-stats-forced-update>
    <mac-statistics>....</mac-statistics>
  </ethernet-switching-learning-stats>
</ethernet-switching-statistics>

```

#### Description

### <ethernet-switching-mac-notification-information>

#### Usage

```

<ethernet-switching-mac-notification-information>
  <mac-notification-status>
    mac-notification-status
  </mac-notification-status>
  <mac-notification-interval>
    mac-notification-interval
  </mac-notification-interval>
  <mac-notification-sent>
    mac-notification-sent
  </mac-notification-sent>
  <mac-notification-max-tablesize>
    mac-notification-max-tablesize
  </mac-notification-max-tablesize>
</ethernet-switching-mac-notification-information>

```

#### Description

### <ethernet-switching-next-hop-information>

#### Usage

```

<ethernet-switching-next-hop-information>
  <nh-information>
    nh-information
  </nh-information>
  <ethernet-switching-next-hops>....</ethernet-switching-next-hops>
</ethernet-switching-next-hop-information>

```

#### Description

### <ethernet-switching-next-hops>

#### Usage

```

<ethernet-switching-next-hops>
  <nh-type>
    nh-type
  </nh-type>
  <direct-nh-index>
    direct-nh-index
  </direct-nh-index>
  <indirect-nh-index>
    indirect-nh-index

```

```
</indirect-nh-index>
<nh-index>
  nh-index
</nh-index>
<nh-8021q-tag>
  nh-8021q-tag
</nh-8021q-tag>
<nh-status>
  nh-status
</nh-status>
<nh-reference-count>
  nh-reference-count
</nh-reference-count>
<nh-flags>
  nh-flags
</nh-flags>
<nh-list-type>
  nh-list-type
</nh-list-type>
<nh-fdb-entry-count>
  nh-fdb-entry-count
</nh-fdb-entry-count>
<nh-tagged-interface-count>
  nh-tagged-interface-count
</nh-tagged-interface-count>
<nh-untagged-interface-count>
  nh-untagged-interface-count
</nh-untagged-interface-count>
<nh-fdb-count>
  nh-fdb-count
</nh-fdb-count>
<nh-hw-token>
  nh-hw-token
</nh-hw-token>
<nh-interface-list>.....</nh-interface-list>
<nh-detail-interface-list>.....</nh-detail-interface-list>
<nh-fdb-entry>.....</nh-fdb-entry>
</ethernet-switching-next-hops>
```

## Description

### <ethernet-switching-next-hops>

#### Usage

```
<ethernet-switching-next-hop-information>
<ethernet-switching-next-hops>
  <nh-type>
    nh-type
  </nh-type>
  <direct-nh-index>
    direct-nh-index
  </direct-nh-index>
  <indirect-nh-index>
    indirect-nh-index
  </indirect-nh-index>
```



```

<nh-index>
  nh-index
</nh-index>
<nh-8021q-tag>
  nh-8021q-tag
</nh-8021q-tag>
<nh-status>
  nh-status
</nh-status>
<nh-reference-count>
  nh-reference-count
</nh-reference-count>
<nh-flags>
  nh-flags
</nh-flags>
<nh-list-type>
  nh-list-type
</nh-list-type>
<nh-fdb-entry-count>
  nh-fdb-entry-count
</nh-fdb-entry-count>
<nh-tagged-interface-count>
  nh-tagged-interface-count
</nh-tagged-interface-count>
<nh-untagged-interface-count>
  nh-untagged-interface-count
</nh-untagged-interface-count>
<nh-fdb-count>
  nh-fdb-count
</nh-fdb-count>
<nh-hw-token>
  nh-hw-token
</nh-hw-token>
<nh-interface-list>....</nh-interface-list>
<nh-detail-interface-list>....</nh-detail-interface-list>
<nh-fdb-entry>....</nh-fdb-entry>
</ethernet-switching-next-hops>
</ethernet-switching-next-hop-information>

```

#### Description

### <ethernet-switching-statistics>

#### Usage

```

<ethernet-switching-statistics>
  <ethernet-switching-learning-stats>....</ethernet-switching-learning-stats>
  <ethernet-switching-aging-stats>....</ethernet-switching-aging-stats>
</ethernet-switching-statistics>

```

#### Description

## <ethernet-switching-table>

### Usage

```
<ethernet-switching-table>
  <mac-table-name>
    mac-table-name
  </mac-table-name>
  <mac-table-count>
    mac-table-count
  </mac-table-count>
  <mac-table-learned>
    mac-table-learned
  </mac-table-learned>
  <mac-table-entry>....</mac-table-entry>
</ethernet-switching-table>
```

### Description

## <ethernet-switching-table>

### Usage

```
<ethernet-switching-table-information>
  <ethernet-switching-table>
    <mac-table-name>
      mac-table-name
    </mac-table-name>
    <mac-table-count>
      mac-table-count
    </mac-table-count>
    <mac-table-learned>
      mac-table-learned
    </mac-table-learned>
    <mac-table-entry>....</mac-table-entry>
  </ethernet-switching-table>
</ethernet-switching-table-information>
```

### Description

## <ethernet-switching-table-information>

### Usage

```
<ethernet-switching-table-information>
  <ethernet-switching-table>....</ethernet-switching-table>
</ethernet-switching-table-information>
```

### Description

## <fdb-log-entry>

### Usage

```
<fdb-log-entry>
  <fdb-log-string>
```

```

    fdb-log-string
  </fdb-log-string>
</fdb-log-entry>

```

#### Description

### <fdb-log-entry>

#### Usage

```

<fdb-log-info>
  <fdb-log-entry>
    <fdb-log-string>
      fdb-log-string
    </fdb-log-string>
  </fdb-log-entry>
</fdb-log-info>

```

#### Description

### <fdb-log-info>

#### Usage

```

<fdb-log-info>
  <fdb-log-entry>....</fdb-log-entry>
</fdb-log-info>

```

#### Description

### <fip-snooping-enode-entry>

#### Usage

```

<fip-snooping-enode-entry>
  <enode-mac>
    enode-mac
  </enode-mac>
  <enode-vlan>
    enode-vlan
  </enode-vlan>
  <enode-configuration-timer>
    enode-configuration-timer
  </enode-configuration-timer>
  <enode-running-timer>
    enode-running-timer
  </enode-running-timer>
  <enode-interface>
    enode-interface
  </enode-interface>
  <fip-snooping-session-entry>....</fip-snooping-session-entry>
</fip-snooping-enode-entry>

```

#### Description

## <fip-snooping-enode-entry>

### Usage

```
<fip-snooping-enode-information>
  <fip-snooping-enode-entry>
    <enode-mac>
      enode-mac
    </enode-mac>
    <enode-vlan>
      enode-vlan
    </enode-vlan>
    <enode-configuration-timer>
      enode-configuration-timer
    </enode-configuration-timer>
    <enode-running-timer>
      enode-running-timer
    </enode-running-timer>
    <enode-interface>
      enode-interface
    </enode-interface>
    <fip-snooping-session-entry>....</fip-snooping-session-entry>
  </fip-snooping-enode-entry>
</fip-snooping-enode-information>
```

### Description

## <fip-snooping-enode-information>

### Usage

```
<fip-snooping-enode-information>
  <fip-snooping-enode-entry>....</fip-snooping-enode-entry>
</fip-snooping-enode-information>
```

### Description

## <fip-snooping-fcdsession-entry>

### Usage

```
<fip-snooping-fcdsession-entry>
  <fip-fcdsession-enode-mac>
    fip-fcdsession-enode-mac
  </fip-fcdsession-enode-mac>
  <fip-fcdsession-vnport-mac>
    fip-fcdsession-vnport-mac
  </fip-fcdsession-vnport-mac>
  <fip-fcdsession-classid>
    fip-fcdsession-classid
  </fip-fcdsession-classid>
</fip-snooping-fcdsession-entry>
```

### Description

**<fip-snooping-fcdsession-entry>****Usage**

```

<fip-snooping-fcdvlan-entry>
  <fip-snooping-fcdsession-entry>
    <fip-fcdsession-enode-mac>
      fip-fcdsession-enode-mac
    </fip-fcdsession-enode-mac>
    <fip-fcdsession-vnport-mac>
      fip-fcdsession-vnport-mac
    </fip-fcdsession-vnport-mac>
    <fip-fcdsession-classid>
      fip-fcdsession-classid
    </fip-fcdsession-classid>
  </fip-snooping-fcdsession-entry>
</fip-snooping-fcdvlan-entry>

```

**Description****<fip-snooping-fcdsession-entry>****Usage**

```

<fip-snooping-fcdstate-information>
  <fip-snooping-fcdvlan-entry>
    <fip-snooping-fcdsession-entry>
      <fip-fcdsession-enode-mac>
        fip-fcdsession-enode-mac
      </fip-fcdsession-enode-mac>
      <fip-fcdsession-vnport-mac>
        fip-fcdsession-vnport-mac
      </fip-fcdsession-vnport-mac>
      <fip-fcdsession-classid>
        fip-fcdsession-classid
      </fip-fcdsession-classid>
    </fip-snooping-fcdsession-entry>
  </fip-snooping-fcdvlan-entry>
</fip-snooping-fcdstate-information>

```

**Description****<fip-snooping-fcdstate-information>****Usage**

```

<fip-snooping-fcdstate-information>
  <fip-snooping-fcdvlan-entry>....</fip-snooping-fcdvlan-entry>
</fip-snooping-fcdstate-information>

```

**Description**

## <fip-snooping-fcdvlan-entry>

### Usage

```
<fip-snooping-fcdvlan-entry>
  <fip-fcdvlan-hw-token>
    fip-fcdvlan-hw-token
  </fip-fcdvlan-hw-token>
  <fip-fcdvlan-fc-map>
    fip-fcdvlan-fc-map
  </fip-fcdvlan-fc-map>
  <fip-fcdvlan-fcfmac>
    fip-fcdvlan-fcfmac
  </fip-fcdvlan-fcfmac>
  <fip-fcdvlan-applied>
    fip-fcdvlan-applied
  </fip-fcdvlan-applied>
  <fip-snooping-fcdsession-entry>....</fip-snooping-fcdsession-entry>
</fip-snooping-fcdvlan-entry>
```

### Description

## <fip-snooping-fcdvlan-entry>

### Usage

```
<fip-snooping-fcdstate-information>
  <fip-snooping-fcdvlan-entry>
    <fip-fcdvlan-hw-token>
      fip-fcdvlan-hw-token
    </fip-fcdvlan-hw-token>
    <fip-fcdvlan-fc-map>
      fip-fcdvlan-fc-map
    </fip-fcdvlan-fc-map>
    <fip-fcdvlan-fcfmac>
      fip-fcdvlan-fcfmac
    </fip-fcdvlan-fcfmac>
    <fip-fcdvlan-applied>
      fip-fcdvlan-applied
    </fip-fcdvlan-applied>
    <fip-snooping-fcdsession-entry>....</fip-snooping-fcdsession-entry>
  </fip-snooping-fcdvlan-entry>
</fip-snooping-fcdstate-information>
```

### Description

## <fip-snooping-fcf-enode-entry>

### Usage

```
<fip-snooping-fcf-enode-entry>
  <fcf-enode-mac>
    fcf-enode-mac
  </fcf-enode-mac>
  <fcf-enode-configuration-timer>
    fcf-enode-configuration-timer
```

```

</fcf-enode-configuration-timer>
<fcf-enode-running-timer>
  fcf-enode-running-timer
</fcf-enode-running-timer>
<fcf-enode-interface>
  fcf-enode-interface
</fcf-enode-interface>
<fip-snooping-session-entry>....</fip-snooping-session-entry>
</fip-snooping-fcf-enode-entry>

```

#### Description

### <fip-snooping-fcf-enode-entry>

#### Usage

```

<fip-snooping-fcf-entry>
  <fip-snooping-fcf-enode-entry>
    <fcf-enode-mac>
      fcf-enode-mac
    </fcf-enode-mac>
    <fcf-enode-configuration-timer>
      fcf-enode-configuration-timer
    </fcf-enode-configuration-timer>
    <fcf-enode-running-timer>
      fcf-enode-running-timer
    </fcf-enode-running-timer>
    <fcf-enode-interface>
      fcf-enode-interface
    </fcf-enode-interface>
    <fip-snooping-session-entry>....</fip-snooping-session-entry>
  </fip-snooping-fcf-enode-entry>
</fip-snooping-fcf-entry>

```

#### Description

### <fip-snooping-fcf-enode-entry>

#### Usage

```

<fip-snooping-vlan-fcf-entry>
  <fip-snooping-fcf-enode-entry>
    <fcf-enode-mac>
      fcf-enode-mac
    </fcf-enode-mac>
    <fcf-enode-configuration-timer>
      fcf-enode-configuration-timer
    </fcf-enode-configuration-timer>
    <fcf-enode-running-timer>
      fcf-enode-running-timer
    </fcf-enode-running-timer>
    <fcf-enode-interface>
      fcf-enode-interface
    </fcf-enode-interface>
    <fip-snooping-session-entry>....</fip-snooping-session-entry>
  </fip-snooping-fcf-enode-entry>

```

```
</fip-snooping-vlan-fcf-entry>
```

#### Description

### <fip-snooping-fcf-enode-entry>

#### Usage

```
<fip-snooping-vlan-entry>
  <fip-snooping-vlan-fcf-entry>
    <fip-snooping-fcf-enode-entry>
      <fcf-enode-mac>
        fcf-enode-mac
      </fcf-enode-mac>
      <fcf-enode-configuration-timer>
        fcf-enode-configuration-timer
      </fcf-enode-configuration-timer>
      <fcf-enode-running-timer>
        fcf-enode-running-timer
      </fcf-enode-running-timer>
      <fcf-enode-interface>
        fcf-enode-interface
      </fcf-enode-interface>
      <fip-snooping-session-entry>....</fip-snooping-session-entry>
    </fip-snooping-fcf-enode-entry>
  </fip-snooping-vlan-fcf-entry>
</fip-snooping-vlan-entry>
```

#### Description

### <fip-snooping-fcf-enode-entry>

#### Usage

```
<fip-snooping-statistics>
  <fip-snooping-vlan-entry>
    <fip-snooping-vlan-fcf-entry>
      <fip-snooping-fcf-enode-entry>
        <fcf-enode-mac>
          fcf-enode-mac
        </fcf-enode-mac>
        <fcf-enode-configuration-timer>
          fcf-enode-configuration-timer
        </fcf-enode-configuration-timer>
        <fcf-enode-running-timer>
          fcf-enode-running-timer
        </fcf-enode-running-timer>
        <fcf-enode-interface>
          fcf-enode-interface
        </fcf-enode-interface>
        <fip-snooping-session-entry>....</fip-snooping-session-entry>
      </fip-snooping-fcf-enode-entry>
    </fip-snooping-vlan-fcf-entry>
  </fip-snooping-vlan-entry>
</fip-snooping-statistics>
```



## Description

## &lt;fip-snooping-fcf-enode-entry&gt;

## Usage

```

<fip-snooping-fcf-information>
<fip-snooping-fcf-entry>
  <fip-snooping-fcf-enode-entry>
    <fcf-enode-mac>
      fcf-enode-mac
    </fcf-enode-mac>
    <fcf-enode-configuration-timer>
      fcf-enode-configuration-timer
    </fcf-enode-configuration-timer>
    <fcf-enode-running-timer>
      fcf-enode-running-timer
    </fcf-enode-running-timer>
    <fcf-enode-interface>
      fcf-enode-interface
    </fcf-enode-interface>
    <fip-snooping-session-entry>.....</fip-snooping-session-entry>
  </fip-snooping-fcf-enode-entry>
</fip-snooping-fcf-entry>
</fip-snooping-fcf-information>

```

## Description

## &lt;fip-snooping-fcf-enode-entry&gt;

## Usage

```

<fip-snooping-information>
<fip-snooping-vlan-entry>
  <fip-snooping-vlan-fcf-entry>
    <fip-snooping-fcf-enode-entry>
      <fcf-enode-mac>
        fcf-enode-mac
      </fcf-enode-mac>
      <fcf-enode-configuration-timer>
        fcf-enode-configuration-timer
      </fcf-enode-configuration-timer>
      <fcf-enode-running-timer>
        fcf-enode-running-timer
      </fcf-enode-running-timer>
      <fcf-enode-interface>
        fcf-enode-interface
      </fcf-enode-interface>
      <fip-snooping-session-entry>.....</fip-snooping-session-entry>
    </fip-snooping-fcf-enode-entry>
  </fip-snooping-vlan-fcf-entry>
</fip-snooping-vlan-entry>
</fip-snooping-information>

```

## Description

## <fip-snooping-fcf-entry>

### Usage

```
<fip-snooping-fcf-entry>
  <fcf-mac>
    fcf-mac
  </fcf-mac>
  <fcf-vlan>
    fcf-vlan
  </fcf-vlan>
  <fcf-session>
    fcf-session
  </fcf-session>
  <fcf-configuration-timer>
    fcf-configuration-timer
  </fcf-configuration-timer>
  <fcf-running-timer>
    fcf-running-timer
  </fcf-running-timer>
  <fip-snooping-fcf-enode-entry>....</fip-snooping-fcf-enode-entry>
</fip-snooping-fcf-entry>
```

### Description

## <fip-snooping-fcf-entry>

### Usage

```
<fip-snooping-fcf-information>
  <fip-snooping-fcf-entry>
    <fcf-mac>
      fcf-mac
    </fcf-mac>
    <fcf-vlan>
      fcf-vlan
    </fcf-vlan>
    <fcf-session>
      fcf-session
    </fcf-session>
    <fcf-configuration-timer>
      fcf-configuration-timer
    </fcf-configuration-timer>
    <fcf-running-timer>
      fcf-running-timer
    </fcf-running-timer>
    <fip-snooping-fcf-enode-entry>....</fip-snooping-fcf-enode-entry>
  </fip-snooping-fcf-entry>
</fip-snooping-fcf-information>
```

### Description

### <fip-snooping-fcf-information>

#### Usage

```
<fip-snooping-fcf-information>  
  <fip-snooping-fcf-entry>....</fip-snooping-fcf-entry>  
</fip-snooping-fcf-information>
```

#### Description

### <fip-snooping-information>

#### Usage

```
<fip-snooping-information>  
  <fip-snooping-vlan-entry>....</fip-snooping-vlan-entry>  
</fip-snooping-information>
```

#### Description

### <fip-snooping-session-entry>

#### Usage

```
<fip-snooping-session-entry>  
  <session-fcf-mac>  
    session-fcf-mac  
  </session-fcf-mac>  
  <session-vnport-mac>  
    session-vnport-mac  
  </session-vnport-mac>  
  <session-vnport-timer>  
    session-vnport-timer  
  </session-vnport-timer>  
</fip-snooping-session-entry>
```

#### Description

### <fip-snooping-session-entry>

#### Usage

```
<fip-snooping-fcf-enode-entry>  
  <fip-snooping-session-entry>  
    <session-fcf-mac>  
      session-fcf-mac  
    </session-fcf-mac>  
    <session-vnport-mac>  
      session-vnport-mac  
    </session-vnport-mac>  
    <session-vnport-timer>  
      session-vnport-timer  
    </session-vnport-timer>  
  </fip-snooping-session-entry>  
</fip-snooping-fcf-enode-entry>
```

**Description****<fip-snooping-session-entry>****Usage**

```
<fip-snooping-enode-entry>
  <fip-snooping-session-entry>
    <session-fcf-mac>
      session-fcf-mac
    </session-fcf-mac>
    <session-vnport-mac>
      session-vnport-mac
    </session-vnport-mac>
    <session-vnport-timer>
      session-vnport-timer
    </session-vnport-timer>
  </fip-snooping-session-entry>
</fip-snooping-enode-entry>
```

**Description****<fip-snooping-session-entry>****Usage**

```
<fip-snooping-fcf-entry>
  <fip-snooping-fcf-enode-entry>
    <fip-snooping-session-entry>
      <session-fcf-mac>
        session-fcf-mac
      </session-fcf-mac>
      <session-vnport-mac>
        session-vnport-mac
      </session-vnport-mac>
      <session-vnport-timer>
        session-vnport-timer
      </session-vnport-timer>
    </fip-snooping-session-entry>
  </fip-snooping-fcf-enode-entry>
</fip-snooping-fcf-entry>
```

**Description****<fip-snooping-session-entry>****Usage**

```
<fip-snooping-vlan-fcf-entry>
  <fip-snooping-fcf-enode-entry>
    <fip-snooping-session-entry>
      <session-fcf-mac>
        session-fcf-mac
      </session-fcf-mac>
      <session-vnport-mac>
        session-vnport-mac
      </session-vnport-mac>
```

```

    <session-vnport-timer>
      session-vnport-timer
    </session-vnport-timer>
  </fip-snooping-session-entry>
</fip-snooping-fcf-enode-entry>
</fip-snooping-vlan-fcf-entry>

```

#### Description

### <fip-snooping-session-entry>

#### Usage

```

<fip-snooping-vlan-entry>
  <fip-snooping-vlan-fcf-entry>
    <fip-snooping-fcf-enode-entry>
      <fip-snooping-session-entry>
        <session-fcf-mac>
          session-fcf-mac
        </session-fcf-mac>
        <session-vnport-mac>
          session-vnport-mac
        </session-vnport-mac>
        <session-vnport-timer>
          session-vnport-timer
        </session-vnport-timer>
      </fip-snooping-session-entry>
    </fip-snooping-fcf-enode-entry>
  </fip-snooping-vlan-fcf-entry>
</fip-snooping-vlan-entry>

```

#### Description

### <fip-snooping-session-entry>

#### Usage

```

<fip-snooping-statistics>
  <fip-snooping-vlan-entry>
    <fip-snooping-vlan-fcf-entry>
      <fip-snooping-fcf-enode-entry>
        <fip-snooping-session-entry>
          <session-fcf-mac>
            session-fcf-mac
          </session-fcf-mac>
          <session-vnport-mac>
            session-vnport-mac
          </session-vnport-mac>
          <session-vnport-timer>
            session-vnport-timer
          </session-vnport-timer>
        </fip-snooping-session-entry>
      </fip-snooping-fcf-enode-entry>
    </fip-snooping-vlan-fcf-entry>
  </fip-snooping-vlan-entry>

```

```
</fip-snooping-statistics>
```

#### Description

### <fip-snooping-session-entry>

#### Usage

```
<fip-snooping-enode-information>
  <fip-snooping-enode-entry>
    <fip-snooping-session-entry>
      <session-fcf-mac>
        session-fcf-mac
      </session-fcf-mac>
      <session-vnport-mac>
        session-vnport-mac
      </session-vnport-mac>
      <session-vnport-timer>
        session-vnport-timer
      </session-vnport-timer>
    </fip-snooping-session-entry>
  </fip-snooping-enode-entry>
</fip-snooping-enode-information>
```

#### Description

### <fip-snooping-session-entry>

#### Usage

```
<fip-snooping-fcf-information>
  <fip-snooping-fcf-entry>
    <fip-snooping-fcf-enode-entry>
      <fip-snooping-session-entry>
        <session-fcf-mac>
          session-fcf-mac
        </session-fcf-mac>
        <session-vnport-mac>
          session-vnport-mac
        </session-vnport-mac>
        <session-vnport-timer>
          session-vnport-timer
        </session-vnport-timer>
      </fip-snooping-session-entry>
    </fip-snooping-fcf-enode-entry>
  </fip-snooping-fcf-entry>
</fip-snooping-fcf-information>
```

#### Description

### <fip-snooping-session-entry>

#### Usage

```
<fip-snooping-information>
  <fip-snooping-vlan-entry>
```

```

<fip-snooping-vlan-fcf-entry>
  <fip-snooping-fcf-enode-entry>
    <fip-snooping-session-entry>
      <session-fcf-mac>
        session-fcf-mac
      </session-fcf-mac>
      <session-vnport-mac>
        session-vnport-mac
      </session-vnport-mac>
      <session-vnport-timer>
        session-vnport-timer
      </session-vnport-timer>
    </fip-snooping-session-entry>
  </fip-snooping-fcf-enode-entry>
</fip-snooping-vlan-fcf-entry>
</fip-snooping-vlan-entry>
</fip-snooping-information>

```

#### Description

### <fip-snooping-statistics>

#### Usage

```

<fip-snooping-statistics>
  <fip-snooping-vlan-entry>....</fip-snooping-vlan-entry>
</fip-snooping-statistics>

```

#### Description

### <fip-snooping-vlan-entry>

#### Usage

```

<fip-snooping-vlan-entry>
  <fip-vlan-name>
    fip-vlan-name
  </fip-vlan-name>
  <fip-vlan-fc-map>
    fip-vlan-fc-map
  </fip-vlan-fc-map>
  <fip-snooping-vlan-statistics>....</fip-snooping-vlan-statistics>
  <fip-snooping-vlan-fcf-entry>....</fip-snooping-vlan-fcf-entry>
</fip-snooping-vlan-entry>

```

#### Description

### <fip-snooping-vlan-entry>

#### Usage

```

<fip-snooping-statistics>
  <fip-snooping-vlan-entry>
    <fip-vlan-name>
      fip-vlan-name
    </fip-vlan-name>
  </fip-snooping-vlan-entry>

```

```
<fip-vlan-fc-map>
  fip-vlan-fc-map
</fip-vlan-fc-map>
<fip-snooping-vlan-statistics>....</fip-snooping-vlan-statistics>
<fip-snooping-vlan-fcf-entry>....</fip-snooping-vlan-fcf-entry>
</fip-snooping-vlan-entry>
</fip-snooping-statistics>
```

#### Description

### <fip-snooping-vlan-entry>

#### Usage

```
<fip-snooping-information>
  <fip-snooping-vlan-entry>
    <fip-vlan-name>
      fip-vlan-name
    </fip-vlan-name>
    <fip-vlan-fc-map>
      fip-vlan-fc-map
    </fip-vlan-fc-map>
    <fip-snooping-vlan-statistics>....</fip-snooping-vlan-statistics>
    <fip-snooping-vlan-fcf-entry>....</fip-snooping-vlan-fcf-entry>
  </fip-snooping-vlan-entry>
</fip-snooping-information>
```

#### Description

### <fip-snooping-vlan-fcf-entry>

#### Usage

```
<fip-snooping-vlan-fcf-entry>
  <vlan-fcf-mac>
    vlan-fcf-mac
  </vlan-fcf-mac>
  <vlan-fcf-session>
    vlan-fcf-session
  </vlan-fcf-session>
  <vlan-fcf-configuration-timer>
    vlan-fcf-configuration-timer
  </vlan-fcf-configuration-timer>
  <vlan-fcf-running-timer>
    vlan-fcf-running-timer
  </vlan-fcf-running-timer>
  <fip-snooping-fcf-enode-entry>....</fip-snooping-fcf-enode-entry>
</fip-snooping-vlan-fcf-entry>
```

#### Description

### <fip-snooping-vlan-fcf-entry>

#### Usage

```
<fip-snooping-vlan-entry>
```



```

<fip-snooping-vlan-fcf-entry>
  <vlan-fcf-mac>
    vlan-fcf-mac
  </vlan-fcf-mac>
  <vlan-fcf-session>
    vlan-fcf-session
  </vlan-fcf-session>
  <vlan-fcf-configuration-timer>
    vlan-fcf-configuration-timer
  </vlan-fcf-configuration-timer>
  <vlan-fcf-running-timer>
    vlan-fcf-running-timer
  </vlan-fcf-running-timer>
  <fip-snooping-fcf-enode-entry>....</fip-snooping-fcf-enode-entry>
</fip-snooping-vlan-fcf-entry>
</fip-snooping-vlan-entry>

```

#### Description

#### <fip-snooping-vlan-fcf-entry>

##### Usage

```

<fip-snooping-statistics>
  <fip-snooping-vlan-entry>
    <fip-snooping-vlan-fcf-entry>
      <vlan-fcf-mac>
        vlan-fcf-mac
      </vlan-fcf-mac>
      <vlan-fcf-session>
        vlan-fcf-session
      </vlan-fcf-session>
      <vlan-fcf-configuration-timer>
        vlan-fcf-configuration-timer
      </vlan-fcf-configuration-timer>
      <vlan-fcf-running-timer>
        vlan-fcf-running-timer
      </vlan-fcf-running-timer>
      <fip-snooping-fcf-enode-entry>....</fip-snooping-fcf-enode-entry>
    </fip-snooping-vlan-fcf-entry>
  </fip-snooping-vlan-entry>
</fip-snooping-statistics>

```

#### Description

#### <fip-snooping-vlan-fcf-entry>

##### Usage

```

<fip-snooping-information>
  <fip-snooping-vlan-entry>
    <fip-snooping-vlan-fcf-entry>
      <vlan-fcf-mac>
        vlan-fcf-mac
      </vlan-fcf-mac>
      <vlan-fcf-session>

```

```
    vlan-fcf-session
  </vlan-fcf-session>
  <vlan-fcf-configuration-timer>
    vlan-fcf-configuration-timer
  </vlan-fcf-configuration-timer>
  <vlan-fcf-running-timer>
    vlan-fcf-running-timer
  </vlan-fcf-running-timer>
  <fip-snooping-fcf-enode-entry>....</fip-snooping-fcf-enode-entry>
</fip-snooping-vlan-fcf-entry>
</fip-snooping-vlan-entry>
</fip-snooping-information>
```

## Description

### <fip-snooping-vlan-statistics>

#### Usage

```
<fip-snooping-vlan-statistics>
  <fcf-mda-count>
    fcf-mda-count
  </fcf-mda-count>
  <fcf-uda-count>
    fcf-uda-count
  </fcf-uda-count>
  <fcf-flogi-acc-count>
    fcf-flogi-acc-count
  </fcf-flogi-acc-count>
  <fcf-flogi-rjt-count>
    fcf-flogi-rjt-count
  </fcf-flogi-rjt-count>
  <fcf-fdisc-acc-count>
    fcf-fdisc-acc-count
  </fcf-fdisc-acc-count>
  <fcf-fdisc-rjt-count>
    fcf-fdisc-rjt-count
  </fcf-fdisc-rjt-count>
  <fcf-logo-acc-count>
    fcf-logo-acc-count
  </fcf-logo-acc-count>
  <fcf-logo-rjt-count>
    fcf-logo-rjt-count
  </fcf-logo-rjt-count>
  <fcf-cvl-count>
    fcf-cvl-count
  </fcf-cvl-count>
  <enode-mds-count>
    enode-mds-count
  </enode-mds-count>
  <enode-uds-count>
    enode-uds-count
  </enode-uds-count>
  <enode-flogi-count>
    enode-flogi-count
  </enode-flogi-count>
```

```

<enode-fdisc-count>
  enode-fdisc-count
</enode-fdisc-count>
<enode-logo-count>
  enode-logo-count
</enode-logo-count>
<enode-ka-count>
  enode-ka-count
</enode-ka-count>
<enode-vnport-ka-count>
  enode-vnport-ka-count
</enode-vnport-ka-count>
</fip-snooping-vlan-statistics>

```

### Description

## <fip-snooping-vlan-statistics>

### Usage

```

<fip-snooping-vlan-entry>
  <fip-snooping-vlan-statistics>
    <fcf-mds-count>
      fcf-mds-count
    </fcf-mds-count>
    <fcf-uda-count>
      fcf-uda-count
    </fcf-uda-count>
    <fcf-flogi-acc-count>
      fcf-flogi-acc-count
    </fcf-flogi-acc-count>
    <fcf-flogi-rjt-count>
      fcf-flogi-rjt-count
    </fcf-flogi-rjt-count>
    <fcf-fdisc-acc-count>
      fcf-fdisc-acc-count
    </fcf-fdisc-acc-count>
    <fcf-fdisc-rjt-count>
      fcf-fdisc-rjt-count
    </fcf-fdisc-rjt-count>
    <fcf-logo-acc-count>
      fcf-logo-acc-count
    </fcf-logo-acc-count>
    <fcf-logo-rjt-count>
      fcf-logo-rjt-count
    </fcf-logo-rjt-count>
    <fcf-cvl-count>
      fcf-cvl-count
    </fcf-cvl-count>
    <enode-mds-count>
      enode-mds-count
    </enode-mds-count>
    <enode-uds-count>
      enode-uds-count
    </enode-uds-count>
    <enode-flogi-count>

```

```
    enode-flogi-count
  </enode-flogi-count>
  <enode-fdisc-count>
    enode-fdisc-count
  </enode-fdisc-count>
  <enode-logo-count>
    enode-logo-count
  </enode-logo-count>
  <enode-ka-count>
    enode-ka-count
  </enode-ka-count>
  <enode-vnport-ka-count>
    enode-vnport-ka-count
  </enode-vnport-ka-count>
</fip-snooping-vlan-statistics>
</fip-snooping-vlan-entry>
```

## Description

### <fip-snooping-vlan-statistics>

#### Usage

```
<fip-snooping-statistics>
  <fip-snooping-vlan-entry>
    <fip-snooping-vlan-statistics>
      <fcf-mds-count>
        fcf-mds-count
      </fcf-mds-count>
      <fcf-uda-count>
        fcf-uda-count
      </fcf-uda-count>
      <fcf-flogi-acc-count>
        fcf-flogi-acc-count
      </fcf-flogi-acc-count>
      <fcf-flogi-rjt-count>
        fcf-flogi-rjt-count
      </fcf-flogi-rjt-count>
      <fcf-fdisc-acc-count>
        fcf-fdisc-acc-count
      </fcf-fdisc-acc-count>
      <fcf-fdisc-rjt-count>
        fcf-fdisc-rjt-count
      </fcf-fdisc-rjt-count>
      <fcf-logo-acc-count>
        fcf-logo-acc-count
      </fcf-logo-acc-count>
      <fcf-logo-rjt-count>
        fcf-logo-rjt-count
      </fcf-logo-rjt-count>
      <fcf-cvl-count>
        fcf-cvl-count
      </fcf-cvl-count>
      <enode-mds-count>
        enode-mds-count
      </enode-mds-count>
```

```

<enode-uds-count>
  enode-uds-count
</enode-uds-count>
<enode-flogi-count>
  enode-flogi-count
</enode-flogi-count>
<enode-fdisc-count>
  enode-fdisc-count
</enode-fdisc-count>
<enode-logo-count>
  enode-logo-count
</enode-logo-count>
<enode-ka-count>
  enode-ka-count
</enode-ka-count>
<enode-vnport-ka-count>
  enode-vnport-ka-count
</enode-vnport-ka-count>
</fip-snooping-vlan-statistics>
</fip-snooping-vlan-entry>
</fip-snooping-statistics>

```

## Description

### <fip-snooping-vlan-statistics>

#### Usage

```

<fip-snooping-information>
  <fip-snooping-vlan-entry>
    <fip-snooping-vlan-statistics>
      <fcf-mdacount>
        fcf-mdacount
      </fcf-mdacount>
      <fcf-udacount>
        fcf-udacount
      </fcf-udacount>
      <fcf-flogi-acc-count>
        fcf-flogi-acc-count
      </fcf-flogi-acc-count>
      <fcf-flogi-rjt-count>
        fcf-flogi-rjt-count
      </fcf-flogi-rjt-count>
      <fcf-fdisc-acc-count>
        fcf-fdisc-acc-count
      </fcf-fdisc-acc-count>
      <fcf-fdisc-rjt-count>
        fcf-fdisc-rjt-count
      </fcf-fdisc-rjt-count>
      <fcf-logo-acc-count>
        fcf-logo-acc-count
      </fcf-logo-acc-count>
      <fcf-logo-rjt-count>
        fcf-logo-rjt-count
      </fcf-logo-rjt-count>
      <fcf-cvl-count>

```

```
    fcf-cvl-count
  </fcf-cvl-count>
  <enode-mds-count>
    enode-mds-count
  </enode-mds-count>
  <enode-uds-count>
    enode-uds-count
  </enode-uds-count>
  <enode-flogi-count>
    enode-flogi-count
  </enode-flogi-count>
  <enode-fdisc-count>
    enode-fdisc-count
  </enode-fdisc-count>
  <enode-logo-count>
    enode-logo-count
  </enode-logo-count>
  <enode-ka-count>
    enode-ka-count
  </enode-ka-count>
  <enode-vnport-ka-count>
    enode-vnport-ka-count
  </enode-vnport-ka-count>
</fip-snooping-vlan-statistics>
</fip-snooping-vlan-entry>
</fip-snooping-information>
```

## Description

### <fip-snooping-vlandiscovery-enode>

#### Usage

```
<fip-snooping-vlandiscovery-enode>
  <enode-mac>
    enode-mac
  </enode-mac>
  <fip-snooping-vlandiscovery-interface-name>
    fip-snooping-vlandiscovery-interface-name
  </fip-snooping-vlandiscovery-interface-name>
  <num-vlans>
    num-vlans
  </num-vlans>
  <fcdref-count>
    fcdref-count
  </fcdref-count>
  <unsolicited-notification-count>
    unsolicited-notification-count
  </unsolicited-notification-count>
  <notification-count>
    notification-count
  </notification-count>
  <request-count>
    request-count
  </request-count>
  <vlan-list>
```

```

    vlan-list
  </vlan-list>
</fip-snooping-vlandiscovery-enode>

```

### Description

## <fip-snooping-vlandiscovery-enode>

### Usage

```

<fip-snooping-vlandiscovery-enodes>
  <fip-snooping-vlandiscovery-enode>
    <enode-mac>
      enode-mac
    </enode-mac>
    <fip-snooping-vlandiscovery-interface-name>
      fip-snooping-vlandiscovery-interface-name
    </fip-snooping-vlandiscovery-interface-name>
    <num-vlans>
      num-vlans
    </num-vlans>
    <fcdref-count>
      fcdref-count
    </fcdref-count>
    <unsolicited-notification-count>
      unsolicited-notification-count
    </unsolicited-notification-count>
    <notification-count>
      notification-count
    </notification-count>
    <request-count>
      request-count
    </request-count>
    <vlan-list>
      vlan-list
    </vlan-list>
  </fip-snooping-vlandiscovery-enode>
</fip-snooping-vlandiscovery-enodes>

```

### Description

## <fip-snooping-vlandiscovery-enodes>

### Usage

```

<fip-snooping-vlandiscovery-enodes>
  <fip-snooping-vlandiscovery-enode>....</fip-snooping-vlandiscovery-enode>
</fip-snooping-vlandiscovery-enodes>

```

**Description** Information about VLAN discovery Enodes information

## <fip-snooping-vlandiscovery-interface>

### Usage

```
<fip-snooping-vlandiscovery-interface>
  <fip-snooping-vlandiscovery-interface-name>
    fip-snooping-vlandiscovery-interface-name
  </fip-snooping-vlandiscovery-interface-name>
  <enode-count>
    enode-count
  </enode-count>
  <enode-list>
    enode-list
  </enode-list>
</fip-snooping-vlandiscovery-interface>
```

### Description

## <fip-snooping-vlandiscovery-interface>

### Usage

```
<fip-snooping-vlandiscovery-interfaces>
  <fip-snooping-vlandiscovery-interface>
    <fip-snooping-vlandiscovery-interface-name>
      fip-snooping-vlandiscovery-interface-name
    </fip-snooping-vlandiscovery-interface-name>
    <enode-count>
      enode-count
    </enode-count>
    <enode-list>
      enode-list
    </enode-list>
  </fip-snooping-vlandiscovery-interface>
</fip-snooping-vlandiscovery-interfaces>
```

### Description

## <fip-snooping-vlandiscovery-interfaces>

### Usage

```
<fip-snooping-vlandiscovery-interfaces>
  <fip-snooping-vlandiscovery-interface>....</fip-snooping-vlandiscovery-interface>
</fip-snooping-vlandiscovery-interfaces>
```

**Description** Information about VLAN discovery interfaces information

## <fip-snooping-vlandiscovery-statistics>

### Usage

```
<fip-snooping-vlandiscovery-statistics>
  <request-count>
    request-count
```



```

</request-count>
<notification-count>
  notification-count
</notification-count>
<unsolicited-notification-count>
  unsolicited-notification-count
</unsolicited-notification-count>
</fip-snooping-vlandiscovery-statistics>

```

#### Description

### <fip-snooping-vlandiscovery-statistics>

#### Usage

```

<fip-snooping-vlandiscovery-statistics-information>
  <fip-snooping-vlandiscovery-statistics>
    <request-count>
      request-count
    </request-count>
    <notification-count>
      notification-count
    </notification-count>
    <unsolicited-notification-count>
      unsolicited-notification-count
    </unsolicited-notification-count>
  </fip-snooping-vlandiscovery-statistics>
</fip-snooping-vlandiscovery-statistics-information>

```

#### Description

### <fip-snooping-vlandiscovery-statistics-information>

#### Usage

```

<fip-snooping-vlandiscovery-statistics-information>
<fip-snooping-vlandiscovery-statistics>....</fip-snooping-vlandiscovery-statistics>

</fip-snooping-vlandiscovery-statistics-information>

```

#### Description

### <gvrp>

#### Usage

```

<gvrp>
  <gvrp-timers>....</gvrp-timers>
  <gvrp-information>....</gvrp-information>
  <gvrp-statistics>....</gvrp-statistics>
</gvrp>

```

#### Description

## <gvrp-information>

### Usage

```
<gvrp>
  <gvrp-information>
    <gvrp-status>
      gvrp-status
    </gvrp-status>
    <gvrp-dynamic-vlan>
      gvrp-dynamic-vlan
    </gvrp-dynamic-vlan>
    <gvrp-maximum-vlan>
      gvrp-maximum-vlan
    </gvrp-maximum-vlan>
    <gvrp-join-timer>
      gvrp-join-timer
    </gvrp-join-timer>
    <gvrp-leave-timer>
      gvrp-leave-timer
    </gvrp-leave-timer>
    <gvrp-leaveall-timer>
      gvrp-leaveall-timer
    </gvrp-leaveall-timer>
    <gvrp-interface-information>....</gvrp-interface-information>
  </gvrp-information>
</gvrp>
```

### Description

## <gvrp-interface-information>

### Usage

```
<gvrp>
  <gvrp-information>
    <gvrp-interface-information>
      <gvrp-interface-name>
        gvrp-interface-name
      </gvrp-interface-name>
      <gvrp-interface-status>
        gvrp-interface-status
      </gvrp-interface-status>
    </gvrp-interface-information>
  </gvrp-information>
</gvrp>
```

### Description

## <gvrp-statistics>

### Usage

```
<gvrp>
  <gvrp-statistics>
    <join-empty-received>
```

```

    join-empty-received
  </join-empty-received>
  <join-in-received>
    join-in-received
  </join-in-received>
  <empty-received>
    empty-received
  </empty-received>
  <leave-in-received>
    leave-in-received
  </leave-in-received>
  <leave-empty-received>
    leave-empty-received
  </leave-empty-received>
  <leave-all-received>
    leave-all-received
  </leave-all-received>
  <join-empty-transmit>
    join-empty-transmit
  </join-empty-transmit>
  <join-in-transmit>
    join-in-transmit
  </join-in-transmit>
  <empty-transmit>
    empty-transmit
  </empty-transmit>
  <leave-in-transmit>
    leave-in-transmit
  </leave-in-transmit>
  <leave-empty-transmit>
    leave-empty-transmit
  </leave-empty-transmit>
  <leave-all-transmit>
    leave-all-transmit
  </leave-all-transmit>
</gvrp-statistics>
</gvrp>

```

## Description

### <gvrp-timers>

## Usage

```

<gvrp>
  <gvrp-timers>
    <join-timer>
      join-timer
    </join-timer>
    <leave-timer>
      leave-timer
    </leave-timer>
    <leaveall-timer>
      leaveall-timer
    </leaveall-timer>
  </gvrp-timers>

```

```
</gvrp>
```

#### Description

**<interface>**

#### Usage

```
<interface>
  <interface-name>
    interface-name
  </interface-name>
  <interface-id>
    interface-id
  </interface-id>
  <interface-port-mode>
    interface-port-mode
  </interface-port-mode>
  <interface-mac-count>
    interface-mac-count
  </interface-mac-count>
  <interface-native-vlan-name>
    interface-native-vlan-name
  </interface-native-vlan-name>
  <interface-mac-learning-mode>
    interface-mac-learning-mode
  </interface-mac-learning-mode>
  <interface-reflective-relay-mode>
    interface-reflective-relay-mode
  </interface-reflective-relay-mode>
  <interface-error>
    interface-error
  </interface-error>
  <interface-ether-type>
    interface-ether-type
  </interface-ether-type>
  <interface-vlan-member-list>....</interface-vlan-member-list>
  <interface-state>
    interface-state
  </interface-state>
</interface>
```

#### Description

**<interface>**

#### Usage

```
<switching-interface-information>
  <interface>
    <interface-name>
      interface-name
    </interface-name>
    <interface-id>
      interface-id
    </interface-id>
```

```

<interface-port-mode>
  interface-port-mode
</interface-port-mode>
<interface-mac-count>
  interface-mac-count
</interface-mac-count>
<interface-native-vlan-name>
  interface-native-vlan-name
</interface-native-vlan-name>
<interface-mac-learning-mode>
  interface-mac-learning-mode
</interface-mac-learning-mode>
<interface-reflective-relay-mode>
  interface-reflective-relay-mode
</interface-reflective-relay-mode>
<interface-error>
  interface-error
</interface-error>
<interface-ether-type>
  interface-ether-type
</interface-ether-type>
<interface-vlan-member-list>....</interface-vlan-member-list>
<interface-state>
  interface-state
</interface-state>
</interface>
</switching-interface-information>

```

## Description

### <interface-vlan-member>

#### Usage

```

<interface>
  <interface-vlan-member-list>
    <interface-vlan-member>
      <interface-vlan-name>
        interface-vlan-name
      </interface-vlan-name>
      <interface-vlan-dot1q-tunneling>
        interface-vlan-dot1q-tunneling
      </interface-vlan-dot1q-tunneling>
      <interface-mapping-operation>
        interface-mapping-operation
      </interface-mapping-operation>
      <interface-mapping-tag>
        interface-mapping-tag
      </interface-mapping-tag>
      <interface-vlan-member-tagness>
        interface-vlan-member-tagness
      </interface-vlan-member-tagness>
      <interface-vlan-member-tagid>
        interface-vlan-member-tagid
      </interface-vlan-member-tagid>
      <interface-vlan-mac>

```

```
    interface-vlan-mac
  </interface-vlan-mac>
  <interface-msti-id>
    interface-msti-id
  </interface-msti-id>
  <blocking-status>
    blocking-status
  </blocking-status>
  <port-error-disable-time>
    port-error-disable-time
  </port-error-disable-time>
</interface-vlan-member>
</interface-vlan-member-list>
</interface>
```

## Description

### <interface-vlan-member>

#### Usage

```
<switching-interface-information>
  <interface>
    <interface-vlan-member-list>
      <interface-vlan-member>
        <interface-vlan-name>
          interface-vlan-name
        </interface-vlan-name>
        <interface-vlan-dot1q-tunneling>
          interface-vlan-dot1q-tunneling
        </interface-vlan-dot1q-tunneling>
        <interface-mapping-operation>
          interface-mapping-operation
        </interface-mapping-operation>
        <interface-mapping-tag>
          interface-mapping-tag
        </interface-mapping-tag>
        <interface-vlan-member-tagness>
          interface-vlan-member-tagness
        </interface-vlan-member-tagness>
        <interface-vlan-member-tagid>
          interface-vlan-member-tagid
        </interface-vlan-member-tagid>
        <interface-vlan-mac>
          interface-vlan-mac
        </interface-vlan-mac>
        <interface-msti-id>
          interface-msti-id
        </interface-msti-id>
        <blocking-status>
          blocking-status
        </blocking-status>
        <port-error-disable-time>
          port-error-disable-time
        </port-error-disable-time>
      </interface-vlan-member>
```

```

    </interface-vlan-member-list>
  </interface>
</switching-interface-information>

```

#### Description

### <interface-vlan-member-list>

#### Usage

```

<interface>
  <interface-vlan-member-list>
    <interface-protocol-mode>
      interface-protocol-mode
    </interface-protocol-mode>
    <interface-vlan-member>....</interface-vlan-member>
  </interface-vlan-member-list>
</interface>

```

#### Description

### <interface-vlan-member-list>

#### Usage

```

<switching-interface-information>
  <interface>
    <interface-vlan-member-list>
      <interface-protocol-mode>
        interface-protocol-mode
      </interface-protocol-mode>
      <interface-vlan-member>....</interface-vlan-member>
    </interface-vlan-member-list>
  </interface>
</switching-interface-information>

```

#### Description

### <ip-source-guard>

#### Usage

```

<ip-source-guard>
  <ip-source-guard-information>....</ip-source-guard-information>
</ip-source-guard>

```

#### Description

### <ip-source-guard-information>

#### Usage

```

<ip-source-guard>
  <ip-source-guard-information>
    <ipsg-vlan>
      ipsg-vlan

```

```
</ipsg-vlan>
<ipsg-vlan-tag>
  ipsg-vlan-tag
</ipsg-vlan-tag>
<ipsg-interface>
  ipsg-interface
</ipsg-interface>
<ipsg-mac>
  ipsg-mac
</ipsg-mac>
<ipsg-ip>
  ipsg-ip
</ipsg-ip>
</ip-source-guard-information>
</ip-source-guard>
```

#### Description

### <krt-queue-all-entry>

#### Usage

```
<krt-queue-all-entry>
<krt-queue-entry>.....</krt-queue-entry>
<krt-queue-entry-type>
  krt-queue-entry-type
</krt-queue-entry-type>
</krt-queue-all-entry>
```

#### Description

### <krt-queue-analyzer-information>

#### Usage

```
<krt-queue-analyzer-information>
<krt-queue-entry>.....</krt-queue-entry>
<krt-queue-analyzer-name>
  krt-queue-analyzer-name
</krt-queue-analyzer-name>
</krt-queue-analyzer-information>
```

#### Description

### <krt-queue-dhcp-information>

#### Usage

```
<krt-queue-dhcp-information>
<krt-queue-entry>.....</krt-queue-entry>
<krt-queue-dhcp-mac>
  krt-queue-dhcp-mac
</krt-queue-dhcp-mac>
<krt-queue-dhcp-ip>
  krt-queue-dhcp-ip
</krt-queue-dhcp-ip>
```



```

<krt-queue-dhcp-lease>
  krt-queue-dhcp-lease
</krt-queue-dhcp-lease>
<krt-queue-dhcp-type>
  krt-queue-dhcp-type
</krt-queue-dhcp-type>
<krt-queue-dhcp-vlan-name>
  krt-queue-dhcp-vlan-name
</krt-queue-dhcp-vlan-name>
<krt-queue-dhcp-interface-name>
  krt-queue-dhcp-interface-name
</krt-queue-dhcp-interface-name>
</krt-queue-dhcp-information>

```

#### Description

<krt-queue-entry>

#### Usage

```

<krt-queue-entry>
  <krt-queue-deferred>
    krt-queue-deferred
  </krt-queue-deferred>
  <krt-queue-operation>
    krt-queue-operation
  </krt-queue-operation>
  <krt-queue-last-error>
    krt-queue-last-error
  </krt-queue-last-error>
</krt-queue-entry>

```

#### Description

<krt-queue-entry>

#### Usage

```

<krt-queue-all-entry>
  <krt-queue-entry>
    <krt-queue-deferred>
      krt-queue-deferred
    </krt-queue-deferred>
    <krt-queue-operation>
      krt-queue-operation
    </krt-queue-operation>
    <krt-queue-last-error>
      krt-queue-last-error
    </krt-queue-last-error>
  </krt-queue-entry>
</krt-queue-all-entry>

```

#### Description

## <krt-queue-entry>

### Usage

```
<krt-queue-dhcp-information>
  <krt-queue-entry>
    <krt-queue-deferred>
      krt-queue-deferred
    </krt-queue-deferred>
    <krt-queue-operation>
      krt-queue-operation
    </krt-queue-operation>
    <krt-queue-last-error>
      krt-queue-last-error
    </krt-queue-last-error>
  </krt-queue-entry>
</krt-queue-dhcp-information>
```

### Description

## <krt-queue-entry>

### Usage

```
<krt-queue-vlan-information>
  <krt-queue-entry>
    <krt-queue-deferred>
      krt-queue-deferred
    </krt-queue-deferred>
    <krt-queue-operation>
      krt-queue-operation
    </krt-queue-operation>
    <krt-queue-last-error>
      krt-queue-last-error
    </krt-queue-last-error>
  </krt-queue-entry>
</krt-queue-vlan-information>
```

### Description

## <krt-queue-entry>

### Usage

```
<krt-queue-analyzer-information>
  <krt-queue-entry>
    <krt-queue-deferred>
      krt-queue-deferred
    </krt-queue-deferred>
    <krt-queue-operation>
      krt-queue-operation
    </krt-queue-operation>
    <krt-queue-last-error>
      krt-queue-last-error
    </krt-queue-last-error>
  </krt-queue-entry>
```

```
</krt-queue-analyzer-information>
```

#### Description

<krt-queue-entry>

#### Usage

```
<krt-queue-nh-information>
  <krt-queue-entry>
    <krt-queue-deferred>
      krt-queue-deferred
    </krt-queue-deferred>
    <krt-queue-operation>
      krt-queue-operation
    </krt-queue-operation>
    <krt-queue-last-error>
      krt-queue-last-error
    </krt-queue-last-error>
  </krt-queue-entry>
</krt-queue-nh-information>
```

#### Description

<krt-queue-entry>

#### Usage

```
<krt-queue-fdb-information>
  <krt-queue-entry>
    <krt-queue-deferred>
      krt-queue-deferred
    </krt-queue-deferred>
    <krt-queue-operation>
      krt-queue-operation
    </krt-queue-operation>
    <krt-queue-last-error>
      krt-queue-last-error
    </krt-queue-last-error>
  </krt-queue-entry>
</krt-queue-fdb-information>
```

#### Description

<krt-queue-entry>

#### Usage

```
<krt-queue-vclass-information>
  <krt-queue-entry>
    <krt-queue-deferred>
      krt-queue-deferred
    </krt-queue-deferred>
    <krt-queue-operation>
      krt-queue-operation
    </krt-queue-operation>
```

```
<krt-queue-last-error>
  krt-queue-last-error
</krt-queue-last-error>
</krt-queue-entry>
</krt-queue-vclass-information>
```

#### Description

### <krt-queue-fdb-information>

#### Usage

```
<krt-queue-fdb-information>
<krt-queue-entry>....</krt-queue-entry>
<krt-queue-fdb-vlan-index>
  krt-queue-fdb-vlan-index
</krt-queue-fdb-vlan-index>
<krt-queue-fdb-mac>
  krt-queue-fdb-mac
</krt-queue-fdb-mac>
<krt-queue-fdb-vlan-name>
  krt-queue-fdb-vlan-name
</krt-queue-fdb-vlan-name>
<krt-queue-fdb-nh-index>
  krt-queue-fdb-nh-index
</krt-queue-fdb-nh-index>
</krt-queue-fdb-information>
```

#### Description

### <krt-queue-nh-information>

#### Usage

```
<krt-queue-nh-information>
<krt-queue-entry>....</krt-queue-entry>
<krt-queue-nh-index>
  krt-queue-nh-index
</krt-queue-nh-index>
<krt-queue-nh-type>
  krt-queue-nh-type
</krt-queue-nh-type>
<krt-queue-nh-local-index>
  krt-queue-nh-local-index
</krt-queue-nh-local-index>
</krt-queue-nh-information>
```

#### Description

### <krt-queue-vclass-information>

#### Usage

```
<krt-queue-vclass-information>
<krt-queue-entry>....</krt-queue-entry>
<krt-queue-vclass-vlan>
```

```

    krt-queue-vclass-vlan
  </krt-queue-vclass-vlan>
  <krt-queue-vclass-oldvlan>
    krt-queue-vclass-oldvlan
  </krt-queue-vclass-oldvlan>
</krt-queue-vclass-information>

```

#### Description

### <krt-queue-vlan-information>

#### Usage

```

<krt-queue-vlan-information>
  <krt-queue-entry>....</krt-queue-entry>
  <krt-queue-vlan-name>
    krt-queue-vlan-name
  </krt-queue-vlan-name>
</krt-queue-vlan-information>

```

#### Description

### <l3-nexthop>

#### Usage

```

<l3-nexthop>
  <l3-nexthop-index>
    l3-nexthop-index
  </l3-nexthop-index>
  <l3nh-interface>
    l3nh-interface
  </l3nh-interface>
  <l3nh-mac>
    l3nh-mac
  </l3nh-mac>
  <l3nh-l2nh>
    l3nh-l2nh
  </l3nh-l2nh>
</l3-nexthop>

```

#### Description

### <l3-nexthop>

#### Usage

```

<l3-nexthop-information>
  <l3-nexthop>
    <l3-nexthop-index>
      l3-nexthop-index
    </l3-nexthop-index>
    <l3nh-interface>
      l3nh-interface
    </l3nh-interface>
    <l3nh-mac>

```

```
    l3nh-mac
  </l3nh-mac>
  <l3nh-l2nh>
    l3nh-l2nh
  </l3nh-l2nh>
</l3-nexthop>
</l3-nexthop-information>
```

#### Description

### <l3-nexthop-information>

#### Usage

```
<l3-nexthop-information>
  <l3-nexthop>....</l3-nexthop>
</l3-nexthop-information>
```

#### Description

### <layer2-protocol-tunneling-interface-entry>

#### Usage

```
<layer2-protocol-tunneling-interface-information>
  <layer2-protocol-tunneling-interface-entry>
    <l2pt-interface>
      l2pt-interface
    </l2pt-interface>
    <l2pt-operation>
      l2pt-operation
    </l2pt-operation>
    <l2pt-state>
      l2pt-state
    </l2pt-state>
    <l2pt-state-description>
      l2pt-state-description
    </l2pt-state-description>
  </layer2-protocol-tunneling-interface-entry>
</layer2-protocol-tunneling-interface-information>
```

#### Description

### <layer2-protocol-tunneling-interface-information>

#### Usage

```
<layer2-protocol-tunneling-interface-information>

  <layer2-protocol-tunneling-interface-entry>....</layer2-protocol-tunneling-interface-entry>

</layer2-protocol-tunneling-interface-information>
```

#### Description

## <layer2-protocol-tunneling-statistics>

### Usage

```

<layer2-protocol-tunneling-statistics>
  <layer2-protocol-tunneling-statistics-entry> .... </layer2-protocol-tunneling-statistics-entry>
</layer2-protocol-tunneling-statistics>

```

### Description

## <layer2-protocol-tunneling-statistics-entry>

### Usage

```

<layer2-protocol-tunneling-statistics>
  <layer2-protocol-tunneling-statistics-entry>
    <l2pt-statistics-vlan>
      l2pt-statistics-vlan
    </l2pt-statistics-vlan>
    <l2pt-statistics-interface>
      l2pt-statistics-interface
    </l2pt-statistics-interface>
    <l2pt-statistics-protocol>
      l2pt-statistics-protocol
    </l2pt-statistics-protocol>
    <l2pt-statistics-operation>
      l2pt-statistics-operation
    </l2pt-statistics-operation>
    <l2pt-statistics-packets>
      l2pt-statistics-packets
    </l2pt-statistics-packets>
    <l2pt-statistics-drops>
      l2pt-statistics-drops
    </l2pt-statistics-drops>
    <l2pt-statistics-shutdowns>
      l2pt-statistics-shutdowns
    </l2pt-statistics-shutdowns>
  </layer2-protocol-tunneling-statistics-entry>
</layer2-protocol-tunneling-statistics>

```

### Description

## <layer2-protocol-tunneling-vlan-entry>

### Usage

```

<layer2-protocol-tunneling-vlan-information>
  <layer2-protocol-tunneling-vlan-entry>
    <l2pt-vlan>
      l2pt-vlan
    </l2pt-vlan>
    <l2pt-protocol>
      l2pt-protocol
    </l2pt-protocol>
  </layer2-protocol-tunneling-vlan-entry>

```

```
<l2pt-drop-threshold>
  l2pt-drop-threshold
</l2pt-drop-threshold>
<l2pt-shutdown-threshold>
  l2pt-shutdown-threshold
</l2pt-shutdown-threshold>
</layer2-protocol-tunneling-vlan-entry>
</layer2-protocol-tunneling-vlan-information>
```

#### Description

### <layer2-protocol-tunneling-vlan-information>

#### Usage

```
<layer2-protocol-tunneling-vlan-information>
<layer2-protocol-tunneling-vlan-entry>....</layer2-protocol-tunneling-vlan-entry>

</layer2-protocol-tunneling-vlan-information>
```

#### Description

### <mac-based-vlan-member-list>

#### Usage

```
<mac-based-vlan-member-list>
<mac-based-vlan-member>
  mac-based-vlan-member
</mac-based-vlan-member>
</mac-based-vlan-member-list>
```

#### Description

### <mac-based-vlan-member-list>

#### Usage

```
<vlan>
<vlan-detail>
<mac-based-vlan-member-list>
<mac-based-vlan-member>
  mac-based-vlan-member
</mac-based-vlan-member>
</mac-based-vlan-member-list>
</vlan-detail>
</vlan>
```

#### Description

### <mac-based-vlan-member-list>

#### Usage

```
<vlan-information>
<vlan>
```



```

<vlan-detail>
  <mac-based-vlan-member-list>
    <mac-based-vlan-member>
      mac-based-vlan-member
    </mac-based-vlan-member>
  </mac-based-vlan-member-list>
</vlan-detail>
</vlan>
</vlan-information>

```

#### Description

<mac-interfaces-list>

#### Usage

```

<mac-interfaces-list>
  <mac-interfaces>
    mac-interfaces
  </mac-interfaces>
  <mac-tags>
    mac-tags
  </mac-tags>
</mac-interfaces-list>

```

#### Description

<mac-interfaces-list>

#### Usage

```

<mac-table-entry>
  <mac-interfaces-list>
    <mac-interfaces>
      mac-interfaces
    </mac-interfaces>
    <mac-tags>
      mac-tags
    </mac-tags>
  </mac-interfaces-list>
</mac-table-entry>

```

#### Description

<mac-interfaces-list>

#### Usage

```

<ethernet-switching-table>
  <mac-table-entry>
    <mac-interfaces-list>
      <mac-interfaces>
        mac-interfaces
      </mac-interfaces>
      <mac-tags>
        mac-tags
      </mac-tags>
    </mac-table-entry>
  </ethernet-switching-table>

```

```
</mac-tags>
</mac-interfaces-list>
</mac-table-entry>
</ethernet-switching-table>
```

#### Description

### <mac-interfaces-list>

#### Usage

```
<ethernet-switching-table-information>
  <ethernet-switching-table>
    <mac-table-entry>
      <mac-interfaces-list>
        <mac-interfaces>
          mac-interfaces
        </mac-interfaces>
      <mac-tags>
        mac-tags
      </mac-tags>
    </mac-interfaces-list>
  </mac-table-entry>
</ethernet-switching-table>
</ethernet-switching-table-information>
```

#### Description

### <mac-statistics>

#### Usage

```
<mac-statistics>
  <learning-interface>
    learning-interface
  </learning-interface>
  <received-local>
    received-local
  </received-local>
  <received-transit>
    received-transit
  </received-transit>
  <received-error>
    received-error
  </received-error>
  <invalid-vlan>
    invalid-vlan
  </invalid-vlan>
  <invalid-mac>
    invalid-mac
  </invalid-mac>
  <security-violation>
    security-violation
  </security-violation>
  <interface-down>
    interface-down
```

```

</interface-down>
<not-member>
  not-member
</not-member>
<interface-limit-exceeded>
  interface-limit-exceeded
</interface-limit-exceeded>
<mac-move-limit-exceeded>
  mac-move-limit-exceeded
</mac-move-limit-exceeded>
<vlan-limit-exceeded>
  vlan-limit-exceeded
</vlan-limit-exceeded>
<invalid-vlan-index>
  invalid-vlan-index
</invalid-vlan-index>
<interface-not-learning>
  interface-not-learning
</interface-not-learning>
<no-nexthop>
  no-nexthop
</no-nexthop>
<interface-no-learning>
  interface-no-learning
</interface-no-learning>
<others>
  others
</others>
</mac-statistics>

```

**Description** MAC learning statistics

## <mac-statistics>

### Usage

```

<ethernet-switching-learning-stats>
  <mac-statistics>
    <learning-interface>
      learning-interface
    </learning-interface>
    <received-local>
      received-local
    </received-local>
    <received-transit>
      received-transit
    </received-transit>
    <received-error>
      received-error
    </received-error>
    <invalid-vlan>
      invalid-vlan
    </invalid-vlan>
    <invalid-mac>
      invalid-mac

```

```
</invalid-mac>
<security-violation>
  security-violation
</security-violation>
<interface-down>
  interface-down
</interface-down>
<not-member>
  not-member
</not-member>
<interface-limit-exceeded>
  interface-limit-exceeded
</interface-limit-exceeded>
<mac-move-limit-exceeded>
  mac-move-limit-exceeded
</mac-move-limit-exceeded>
<vlan-limit-exceeded>
  vlan-limit-exceeded
</vlan-limit-exceeded>
<invalid-vlan-index>
  invalid-vlan-index
</invalid-vlan-index>
<interface-not-learning>
  interface-not-learning
</interface-not-learning>
<no-nexthop>
  no-nexthop
</no-nexthop>
<interface-no-learning>
  interface-no-learning
</interface-no-learning>
<others>
  others
</others>
</mac-statistics>
</ethernet-switching-learning-stats>
```

**Description**    MAC learning statistics

### <mac-statistics>

#### Usage

```
<ethernet-switching-statistics>
<ethernet-switching-learning-stats>
  <mac-statistics>
    <learning-interface>
      learning-interface
    </learning-interface>
    <received-local>
      received-local
    </received-local>
    <received-transit>
      received-transit
    </received-transit>
```

```

<received-error>
  received-error
</received-error>
<invalid-vlan>
  invalid-vlan
</invalid-vlan>
<invalid-mac>
  invalid-mac
</invalid-mac>
<security-violation>
  security-violation
</security-violation>
<interface-down>
  interface-down
</interface-down>
<not-member>
  not-member
</not-member>
<interface-limit-exceeded>
  interface-limit-exceeded
</interface-limit-exceeded>
<mac-move-limit-exceeded>
  mac-move-limit-exceeded
</mac-move-limit-exceeded>
<vlan-limit-exceeded>
  vlan-limit-exceeded
</vlan-limit-exceeded>
<invalid-vlan-index>
  invalid-vlan-index
</invalid-vlan-index>
<interface-not-learning>
  interface-not-learning
</interface-not-learning>
<no-nexthop>
  no-nexthop
</no-nexthop>
<interface-no-learning>
  interface-no-learning
</interface-no-learning>
<others>
  others
</others>
</mac-statistics>
</ethernet-switching-learning-stats>
</ethernet-switching-statistics>

```

**Description** MAC learning statistics

### <mac-table-entry>

#### Usage

```

<mac-table-entry>
  <mac-vlan>
    mac-vlan

```

```
</mac-vlan>
<mac-vlan-tag>
  mac-vlan-tag
</mac-vlan-tag>
<mac-address>
  mac-address
</mac-address>
<mac-interface>
  mac-interface
</mac-interface>
<mac-type>
  mac-type
</mac-type>
<mac-age>
  mac-age
</mac-age>
<mac-interfaces-list>....</mac-interfaces-list>
<mac-entry-flags>
  mac-entry-flags
</mac-entry-flags>
<mac-learned-time>
  mac-learned-time
</mac-learned-time>
<mac-nexthop>
  mac-nexthop
</mac-nexthop>
<mac-table-total-count>
  mac-table-total-count
</mac-table-total-count>
<mac-table-unknown-unicast-count>
  mac-table-unknown-unicast-count
</mac-table-unknown-unicast-count>
<mac-table-dot1x-count>
  mac-table-dot1x-count
</mac-table-dot1x-count>
<mac-table-dynamic-count>
  mac-table-dynamic-count
</mac-table-dynamic-count>
<mac-table-static-count>
  mac-table-static-count
</mac-table-static-count>
<mac-table-flood-count>
  mac-table-flood-count
</mac-table-flood-count>
<mac-table-derived-count>
  mac-table-derived-count
</mac-table-derived-count>
<mac-table-incomplete-count>
  mac-table-incomplete-count
</mac-table-incomplete-count>
<mac-table-recieve-count>
  mac-table-recieve-count
</mac-table-recieve-count>
</mac-table-entry>
```

Description    MAC table

## <mac-table-entry>

### Usage

```
<ethernet-switching-table>
  <mac-table-entry>
    <mac-vlan>
      mac-vlan
    </mac-vlan>
    <mac-vlan-tag>
      mac-vlan-tag
    </mac-vlan-tag>
    <mac-address>
      mac-address
    </mac-address>
    <mac-interface>
      mac-interface
    </mac-interface>
    <mac-type>
      mac-type
    </mac-type>
    <mac-age>
      mac-age
    </mac-age>
    <mac-interfaces-list>....</mac-interfaces-list>
    <mac-entry-flags>
      mac-entry-flags
    </mac-entry-flags>
    <mac-learned-time>
      mac-learned-time
    </mac-learned-time>
    <mac-nexthop>
      mac-nexthop
    </mac-nexthop>
    <mac-table-total-count>
      mac-table-total-count
    </mac-table-total-count>
    <mac-table-unknown-unicast-count>
      mac-table-unknown-unicast-count
    </mac-table-unknown-unicast-count>
    <mac-table-dot1x-count>
      mac-table-dot1x-count
    </mac-table-dot1x-count>
    <mac-table-dynamic-count>
      mac-table-dynamic-count
    </mac-table-dynamic-count>
    <mac-table-static-count>
      mac-table-static-count
    </mac-table-static-count>
    <mac-table-flood-count>
      mac-table-flood-count
    </mac-table-flood-count>
    <mac-table-derived-count>
      mac-table-derived-count
```

```
</mac-table-derived-count>
<mac-table-incomplete-count>
  mac-table-incomplete-count
</mac-table-incomplete-count>
<mac-table-recieve-count>
  mac-table-recieve-count
</mac-table-recieve-count>
</mac-table-entry>
</ethernet-switching-table>
```

**Description**    MAC table

### <mac-table-entry>

#### Usage

```
<ethernet-switching-table-information>
<ethernet-switching-table>
  <mac-table-entry>
    <mac-vlan>
      mac-vlan
    </mac-vlan>
    <mac-vlan-tag>
      mac-vlan-tag
    </mac-vlan-tag>
    <mac-address>
      mac-address
    </mac-address>
    <mac-interface>
      mac-interface
    </mac-interface>
    <mac-type>
      mac-type
    </mac-type>
    <mac-age>
      mac-age
    </mac-age>
    <mac-interfaces-list>....</mac-interfaces-list>
    <mac-entry-flags>
      mac-entry-flags
    </mac-entry-flags>
    <mac-learned-time>
      mac-learned-time
    </mac-learned-time>
    <mac-nexthop>
      mac-nexthop
    </mac-nexthop>
    <mac-table-total-count>
      mac-table-total-count
    </mac-table-total-count>
    <mac-table-unknown-unicast-count>
      mac-table-unknown-unicast-count
    </mac-table-unknown-unicast-count>
    <mac-table-dot1x-count>
      mac-table-dot1x-count
```



```

</mac-table-dot1x-count>
<mac-table-dynamic-count>
  mac-table-dynamic-count
</mac-table-dynamic-count>
<mac-table-static-count>
  mac-table-static-count
</mac-table-static-count>
<mac-table-flood-count>
  mac-table-flood-count
</mac-table-flood-count>
<mac-table-derived-count>
  mac-table-derived-count
</mac-table-derived-count>
<mac-table-incomplete-count>
  mac-table-incomplete-count
</mac-table-incomplete-count>
<mac-table-recieve-count>
  mac-table-recieve-count
</mac-table-recieve-count>
</mac-table-entry>
</ethernet-switching-table>
</ethernet-switching-table-information>

```

**Description** MAC table

## <msti-bridge-parameters>

### Usage

```

<msti-bridge-parameters>
  <msti-id>
    msti-id
  </msti-id>
  <msti-regional-root-bridge>....</msti-regional-root-bridge>
  <root-port>
    root-port
  </root-port>
  <root-cost>
    root-cost
  </root-cost>
  <hello-time-learned>
    hello-time-learned
  </hello-time-learned>
  <max-age-learned>
    max-age-learned
  </max-age-learned>
  <forward-delay-learned>
    forward-delay-learned
  </forward-delay-learned>
  <maximum-hop-count-configured>
    maximum-hop-count-configured
  </maximum-hop-count-configured>
  <hop-count>
    hop-count
  </hop-count>

```

```
<time-since-last-tc>....</time-since-last-tc>
<topology-change-count>
  topology-change-count
</topology-change-count>
<topology-change-initiator>
  topology-change-initiator
</topology-change-initiator>
<topology-change-last-received-from>
  topology-change-last-received-from
</topology-change-last-received-from>
<extended-system-id>
  extended-system-id
</extended-system-id>
<internal-instance-id>
  internal-instance-id
</internal-instance-id>
<this-bridge>....</this-bridge>
<hello-time-configured>
  hello-time-configured
</hello-time-configured>
<max-age-configured>
  max-age-configured
</max-age-configured>
<forward-delay-configured>
  forward-delay-configured
</forward-delay-configured>
<time-since-last-topology-change>
  time-since-last-topology-change
</time-since-last-topology-change>
<path-cost-method>
  path-cost-method
</path-cost-method>
</msti-bridge-parameters>
```

**Description** STP bridge parameters for multiple spanning tree instances

### <msti-bridge-parameters>

#### Usage

```
<stp-bridge>
<msti-bridge-parameters>
  <msti-id>
    msti-id
  </msti-id>
  <msti-regional-root-bridge>....</msti-regional-root-bridge>
  <root-port>
    root-port
  </root-port>
  <root-cost>
    root-cost
  </root-cost>
  <hello-time-learned>
    hello-time-learned
  </hello-time-learned>
```

```

<max-age-learned>
  max-age-learned
</max-age-learned>
<forward-delay-learned>
  forward-delay-learned
</forward-delay-learned>
<maximum-hop-count-configured>
  maximum-hop-count-configured
</maximum-hop-count-configured>
<hop-count>
  hop-count
</hop-count>
<time-since-last-tc>....</time-since-last-tc>
<topology-change-count>
  topology-change-count
</topology-change-count>
<topology-change-initiator>
  topology-change-initiator
</topology-change-initiator>
<topology-change-last-received-from>
  topology-change-last-received-from
</topology-change-last-received-from>
<extended-system-id>
  extended-system-id
</extended-system-id>
<internal-instance-id>
  internal-instance-id
</internal-instance-id>
<this-bridge>....</this-bridge>
<hello-time-configured>
  hello-time-configured
</hello-time-configured>
<max-age-configured>
  max-age-configured
</max-age-configured>
<forward-delay-configured>
  forward-delay-configured
</forward-delay-configured>
<time-since-last-topology-change>
  time-since-last-topology-change
</time-since-last-topology-change>
<path-cost-method>
  path-cost-method
</path-cost-method>
</msti-bridge-parameters>
</stp-bridge>

```

**Description** STP bridge parameters for multiple spanning tree instances

### <msti-regional-root-bridge>

#### Usage

```

<msti-bridge-parameters>
  <msti-regional-root-bridge>

```

```
<bridge-priority>
  bridge-priority
</bridge-priority>
<bridge-mac>
  bridge-mac
</bridge-mac>
</msti-regional-root-bridge>
</msti-bridge-parameters>
```

**Description** MSTI regional root identifier

### <msti-regional-root-bridge>

#### Usage

```
<stp-bridge>
<msti-bridge-parameters>
  <msti-regional-root-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </msti-regional-root-bridge>
</msti-bridge-parameters>
</stp-bridge>
```

**Description** MSTI regional root identifier

### <mstp-configuration>

#### Usage

```
<mstp-configuration>
  <context-id>
    context-id
  </context-id>
  <mstp-name>
    mstp-name
  </mstp-name>
  <mstp-revision>
    mstp-revision
  </mstp-revision>
  <mstp-configuration-digest>
    mstp-configuration-digest
  </mstp-configuration-digest>
  <vlan-map>....</vlan-map>
</mstp-configuration>
```

**Description** MSTP information

## <mvrp>

### Usage

```

<mvrp>
  <mvrp-information>....</mvrp-information>
  <mvrp-vlans>....</mvrp-vlans>
  <mvrp-dynamic-vlan-information>....</mvrp-dynamic-vlan-information>
  <mvrp-statistics>....</mvrp-statistics>
</mvrp>

```

### Description

## <mvrp-dynamic-vlan-information>

### Usage

```

<mvrp>
  <mvrp-dynamic-vlan-information>
    <mvrp-vmember-vlanname>
      mvrp-vmember-vlanname
    </mvrp-vmember-vlanname>
    <mvrp-dynamic-vmembers>....</mvrp-dynamic-vmembers>
  </mvrp-dynamic-vlan-information>
</mvrp>

```

### Description

## <mvrp-dynamic-vmember-information>

### Usage

```

<mvrp>
  <mvrp-vlans>
    <mvrp-dynamic-vmember-information>
      <mvrp-vmember-name>
        mvrp-vmember-name
      </mvrp-vmember-name>
    </mvrp-dynamic-vmember-information>
  </mvrp-vlans>
</mvrp>

```

### Description

## <mvrp-dynamic-vmembers>

### Usage

```

<mvrp>
  <mvrp-dynamic-vlan-information>
    <mvrp-dynamic-vmembers>
      <mvrp-vmember-interface>
        mvrp-vmember-interface
      </mvrp-vmember-interface>
    </mvrp-dynamic-vmembers>
  </mvrp-dynamic-vlan-information>

```

```
</mvrp>
```

#### Description

### <mvrp-information>

#### Usage

```
<mvrp>
  <mvrp-information>
    <mvrp-status>
      mvrp-status
    </mvrp-status>
    <mvrp-dynamic-vlan>
      mvrp-dynamic-vlan
    </mvrp-dynamic-vlan>
    <mvrp-intf-timers>....</mvrp-intf-timers>
    <mvrp-interface-information>....</mvrp-interface-information>
  </mvrp-information>
</mvrp>
```

#### Description

### <mvrp-interface-information>

#### Usage

```
<mvrp>
  <mvrp-information>
    <mvrp-interface-information>
      <mvrp-interface-name>
        mvrp-interface-name
      </mvrp-interface-name>
      <mvrp-interface-status>
        mvrp-interface-status
      </mvrp-interface-status>
      <mvrp-interface-reg-ctrl>
        mvrp-interface-reg-ctrl
      </mvrp-interface-reg-ctrl>
    </mvrp-interface-information>
  </mvrp-information>
</mvrp>
```

#### Description

### <mvrp-intf-timers>

#### Usage

```
<mvrp>
  <mvrp-information>
    <mvrp-intf-timers>
      <mvrp-tmr-intf>
        mvrp-tmr-intf
      </mvrp-tmr-intf>
    <mvrp-tmr-join>
```

```

    mvrp-tmr-join
  </mvrp-tmr-join>
  <mvrp-tmr-leave>
    mvrp-tmr-leave
  </mvrp-tmr-leave>
  <mvrp-tmr-leaveall>
    mvrp-tmr-leaveall
  </mvrp-tmr-leaveall>
</mvrp-intf-timers>
</mvrp-information>
</mvrp>

```

## Description

### <mvrp-statistics>

#### Usage

```

<mvrp>
  <mvrp-statistics>
    <mvrp-statistics-interface-name>
      mvrp-statistics-interface-name
    </mvrp-statistics-interface-name>
    <mrpdu-received>
      mrpdu-received
    </mrpdu-received>
    <mrp-invalid-received>
      mrp-invalid-received
    </mrp-invalid-received>
    <mrp-new-received>
      mrp-new-received
    </mrp-new-received>
    <mrp-join-empty-received>
      mrp-join-empty-received
    </mrp-join-empty-received>
    <mrp-join-in-received>
      mrp-join-in-received
    </mrp-join-in-received>
    <mrp-empty-received>
      mrp-empty-received
    </mrp-empty-received>
    <mrp-in-received>
      mrp-in-received
    </mrp-in-received>
    <mrp-leave-received>
      mrp-leave-received
    </mrp-leave-received>
    <mrp-leaveall-received>
      mrp-leaveall-received
    </mrp-leaveall-received>
    <mrpdu-transmit>
      mrpdu-transmit
    </mrpdu-transmit>
    <mrpdu-tx-fail>
      mrpdu-tx-fail
    </mrpdu-tx-fail>
  </mvrp-statistics>
</mvrp>

```

```
<mrp-new-transmit>
  mrp-new-transmit
</mrp-new-transmit>
<mrp-join-empty-transmit>
  mrp-join-empty-transmit
</mrp-join-empty-transmit>
<mrp-join-in-transmit>
  mrp-join-in-transmit
</mrp-join-in-transmit>
<mrp-empty-transmit>
  mrp-empty-transmit
</mrp-empty-transmit>
<mrp-in-transmit>
  mrp-in-transmit
</mrp-in-transmit>
<mrp-leave-transmit>
  mrp-leave-transmit
</mrp-leave-transmit>
<mrp-leaveall-transmit>
  mrp-leaveall-transmit
</mrp-leaveall-transmit>
</mvrp-statistics>
</mvrp>
```

#### Description

### <mvrp-vlans>

#### Usage

```
<mvrp>
  <mvrp-vlans>
    <mvrp-vlan-id>
      mvrp-vlan-id
    </mvrp-vlan-id>

    <mvrp-dynamic-vmember-information>....</mvrp-dynamic-vmember-information>
  </mvrp-vlans>
</mvrp>
```

#### Description

### <nh-detail-interface-list>

#### Usage

```
<nh-detail-interface-list>
  <nh-detail-next-hop-index>
    nh-detail-next-hop-index
  </nh-detail-next-hop-index>
  <nh-detail-interface-name>
    nh-detail-interface-name
  </nh-detail-interface-name>
  <nh-detail-tag-string>
    nh-detail-tag-string
  </nh-detail-tag-string>
```



```
</nh-detail-interface-list>
```

#### Description

**<nh-detail-interface-list>**

#### Usage

```
<ethernet-switching-next-hops>
  <nh-detail-interface-list>
    <nh-detail-next-hop-index>
      nh-detail-next-hop-index
    </nh-detail-next-hop-index>
    <nh-detail-interface-name>
      nh-detail-interface-name
    </nh-detail-interface-name>
    <nh-detail-tag-string>
      nh-detail-tag-string
    </nh-detail-tag-string>
  </nh-detail-interface-list>
</ethernet-switching-next-hops>
```

#### Description

**<nh-detail-interface-list>**

#### Usage

```
<ethernet-switching-next-hop-information>
  <ethernet-switching-next-hops>
    <nh-detail-interface-list>
      <nh-detail-next-hop-index>
        nh-detail-next-hop-index
      </nh-detail-next-hop-index>
      <nh-detail-interface-name>
        nh-detail-interface-name
      </nh-detail-interface-name>
      <nh-detail-tag-string>
        nh-detail-tag-string
      </nh-detail-tag-string>
    </nh-detail-interface-list>
  </ethernet-switching-next-hops>
</ethernet-switching-next-hop-information>
```

#### Description

**<nh-fdb-entry>**

#### Usage

```
<nh-fdb-entry>
  <nh-mac-vlan>
    nh-mac-vlan
  </nh-mac-vlan>
  <nh-mac-address>
    nh-mac-address
```

```
</nh-mac-address>
</nh-fdb-entry>
```

#### Description

### <nh-fdb-entry>

#### Usage

```
<ethernet-switching-next-hops>
  <nh-fdb-entry>
    <nh-mac-vlan>
      nh-mac-vlan
    </nh-mac-vlan>
    <nh-mac-address>
      nh-mac-address
    </nh-mac-address>
  </nh-fdb-entry>
</ethernet-switching-next-hops>
```

#### Description

### <nh-fdb-entry>

#### Usage

```
<ethernet-switching-next-hop-information>
  <ethernet-switching-next-hops>
    <nh-fdb-entry>
      <nh-mac-vlan>
        nh-mac-vlan
      </nh-mac-vlan>
      <nh-mac-address>
        nh-mac-address
      </nh-mac-address>
    </nh-fdb-entry>
  </ethernet-switching-next-hops>
</ethernet-switching-next-hop-information>
```

#### Description

### <nh-interface-list>

#### Usage

```
<nh-interface-list>
  <nh-interface-name>
    nh-interface-name
  </nh-interface-name>
</nh-interface-list>
```

#### Description

### <nh-interface-list>

#### Usage

```
<ethernet-switching-next-hops>
  <nh-interface-list>
    <nh-interface-name>
      nh-interface-name
    </nh-interface-name>
  </nh-interface-list>
</ethernet-switching-next-hops>
```

#### Description

### <nh-interface-list>

#### Usage

```
<ethernet-switching-next-hop-information>
  <ethernet-switching-next-hops>
    <nh-interface-list>
      <nh-interface-name>
        nh-interface-name
      </nh-interface-name>
    </nh-interface-list>
  </ethernet-switching-next-hops>
</ethernet-switching-next-hop-information>
```

#### Description

### <policy-vlan-member-list>

#### Usage

```
<policy-vlan-member-list>
  <policy-vlan-member>
    policy-vlan-member
  </policy-vlan-member>
</policy-vlan-member-list>
```

#### Description

### <policy-vlan-member-list>

#### Usage

```
<vlan>
  <vlan-detail>
    <policy-vlan-member-list>
      <policy-vlan-member>
        policy-vlan-member
      </policy-vlan-member>
    </policy-vlan-member-list>
  </vlan-detail>
</vlan>
```

**Description****<policy-vlan-member-list>****Usage**

```
<vlan-information>
  <vlan>
    <vlan-detail>
      <policy-vlan-member-list>
        <policy-vlan-member>
          policy-vlan-member
        </policy-vlan-member>
      </policy-vlan-member-list>
    </vlan-detail>
  </vlan>
</vlan-information>
```

**Description****<private-vlan-community-list>****Usage**

```
<private-vlan-community-list>
  <community-vlan>
    community-vlan
  </community-vlan>
</private-vlan-community-list>
```

**Description****<private-vlan-community-list>****Usage**

```
<vlan>
  <vlan-detail>
    <private-vlan-community-list>
      <community-vlan>
        community-vlan
      </community-vlan>
    </private-vlan-community-list>
  </vlan-detail>
</vlan>
```

**Description****<private-vlan-community-list>****Usage**

```
<vlan-information>
  <vlan>
    <vlan-detail>
      <private-vlan-community-list>
        <community-vlan>
```

```

        community-vlan
      </community-vlan>
    </private-vlan-community-list>
  </vlan-detail>
</vlan>
</vlan-information>

```

#### Description

### <private-vlan-isolated-list>

#### Usage

```

<private-vlan-isolated-list>
  <isolated-vlan>
    isolated-vlan
  </isolated-vlan>
</private-vlan-isolated-list>

```

#### Description

### <private-vlan-isolated-list>

#### Usage

```

<vlan>
  <vlan-detail>
    <private-vlan-isolated-list>
      <isolated-vlan>
        isolated-vlan
      </isolated-vlan>
    </private-vlan-isolated-list>
  </vlan-detail>
</vlan>

```

#### Description

### <private-vlan-isolated-list>

#### Usage

```

<vlan-information>
  <vlan>
    <vlan-detail>
      <private-vlan-isolated-list>
        <isolated-vlan>
          isolated-vlan
        </isolated-vlan>
      </private-vlan-isolated-list>
    </vlan-detail>
  </vlan>
</vlan-information>

```

#### Description

### <private-vlan-secondary-list>

#### Usage

```
<private-vlan-secondary-list>
  <secondary-vlan>
    secondary-vlan
  </secondary-vlan>
</private-vlan-secondary-list>
```

#### Description

### <private-vlan-secondary-list>

#### Usage

```
<vlan>
  <vlan-detail>
    <private-vlan-secondary-list>
      <secondary-vlan>
        secondary-vlan
      </secondary-vlan>
    </private-vlan-secondary-list>
  </vlan-detail>
</vlan>
```

#### Description

### <private-vlan-secondary-list>

#### Usage

```
<vlan-information>
  <vlan>
    <vlan-detail>
      <private-vlan-secondary-list>
        <secondary-vlan>
          secondary-vlan
        </secondary-vlan>
      </private-vlan-secondary-list>
    </vlan-detail>
  </vlan>
</vlan-information>
```

#### Description

### <push-vlan-member-list>

#### Usage

```
<push-vlan-member-list>
  <push-vlan-member>
    push-vlan-member
  </push-vlan-member>
</push-vlan-member-list>
```

**Description****<push-vlan-member-list>****Usage**

```

<vlan>
  <vlan-detail>
    <push-vlan-member-list>
      <push-vlan-member>
        push-vlan-member
      </push-vlan-member>
    </push-vlan-member-list>
  </vlan-detail>
</vlan>

```

**Description****<push-vlan-member-list>****Usage**

```

<vlan-information>
  <vlan>
    <vlan-detail>
      <push-vlan-member-list>
        <push-vlan-member>
          push-vlan-member
        </push-vlan-member>
      </push-vlan-member-list>
    </vlan-detail>
  </vlan>
</vlan-information>

```

**Description****<regional-root-bridge>****Usage**

```

<cist-bridge-parameters>
  <regional-root-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </regional-root-bridge>
</cist-bridge-parameters>

```

**Description** CIST regional root bridge identifier

### <regional-root-bridge>

#### Usage

```
<stp-bridge>
  <cist-bridge-parameters>
    <regional-root-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </regional-root-bridge>
  </cist-bridge-parameters>
</stp-bridge>
```

**Description** CIST regional root bridge identifier

### <root-bridge>

#### Usage

```
<cist-bridge-parameters>
  <root-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </root-bridge>
</cist-bridge-parameters>
```

**Description** Root bridge identifier

### <root-bridge>

#### Usage

```
<vst-bridge-parameters>
  <root-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </root-bridge>
</vst-bridge-parameters>
```

**Description** Root bridge identifier



**<root-bridge>****Usage**

```

<stp-bridge>
  <cist-bridge-parameters>
    <root-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </root-bridge>
  </cist-bridge-parameters>
</stp-bridge>

```

**Description** Root bridge identifier

**<root-bridge>****Usage**

```

<stp-bridge>
  <vst-bridge-parameters>
    <root-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </root-bridge>
  </vst-bridge-parameters>
</stp-bridge>

```

**Description** Root bridge identifier

**<rtg>****Usage**

```

<rtg>
  <rtg-information>....</rtg-information>
  <rtg-information-pergrp>....</rtg-information-pergrp>
  <rtg-information-pergrp-err>....</rtg-information-pergrp-err>
</rtg>

```

**Description**

**<rtg-information>****Usage**

```

<rtg>

```

```
<rtg-information>
  <rtg-group-name>
    rtg-group-name
  </rtg-group-name>
  <rtg-first-interface-name>
    rtg-first-interface-name
  </rtg-first-interface-name>
  <rtg-second-interface-name>
    rtg-second-interface-name
  </rtg-second-interface-name>
  <rtg-first-interface-state>
    rtg-first-interface-state
  </rtg-first-interface-state>
  <rtg-second-interface-state>
    rtg-second-interface-state
  </rtg-second-interface-state>
  <rtg-first-interface-timeoflastflap>
    rtg-first-interface-timeoflastflap
  </rtg-first-interface-timeoflastflap>
  <rtg-second-interface-timeoflastflap>
    rtg-second-interface-timeoflastflap
  </rtg-second-interface-timeoflastflap>
  <rtg-first-interface-flaps>
    rtg-first-interface-flaps
  </rtg-first-interface-flaps>
  <rtg-second-interface-flaps>
    rtg-second-interface-flaps
  </rtg-second-interface-flaps>
  <rtg-first-interface-bandwidth>
    rtg-first-interface-bandwidth
  </rtg-first-interface-bandwidth>
  <rtg-second-interface-bandwidth>
    rtg-second-interface-bandwidth
  </rtg-second-interface-bandwidth>
</rtg-information>
</rtg>
```

#### Description

**<rtg-information-pergrp>**

#### Usage

```
<rtg>
  <rtg-information-pergrp>
    <rtg-first-interface-name>
      rtg-first-interface-name
    </rtg-first-interface-name>
    <rtg-first-interface-state>
      rtg-first-interface-state
    </rtg-first-interface-state>
    <rtg-first-interface-bandwidth>
      rtg-first-interface-bandwidth
    </rtg-first-interface-bandwidth>
    <rtg-first-interface-timeoflastflap>
      rtg-first-interface-timeoflastflap
```

```

</rtg-first-interface-timeoflastflap>
<rtg-first-interface-flaps>
  rtg-first-interface-flaps
</rtg-first-interface-flaps>
<rtg-second-interface-name>
  rtg-second-interface-name
</rtg-second-interface-name>
<rtg-second-interface-state>
  rtg-second-interface-state
</rtg-second-interface-state>
<rtg-second-interface-timeoflastflap>
  rtg-second-interface-timeoflastflap
</rtg-second-interface-timeoflastflap>
<rtg-second-interface-flaps>
  rtg-second-interface-flaps
</rtg-second-interface-flaps>
<rtg-second-interface-bandwidth>
  rtg-second-interface-bandwidth
</rtg-second-interface-bandwidth>
<rtg-group-description>
  rtg-group-description
</rtg-group-description>
</rtg-information-pergrp>
</rtg>

```

#### Description

#### <rtg-information-pergrp-err>

##### Usage

```

<rtg>
  <rtg-information-pergrp-err>
    <rtg-group-name>
      rtg-group-name
    </rtg-group-name>
  </rtg-information-pergrp-err>
</rtg>

```

#### Description

#### <stp-bridge>

##### Usage

```

<stp-bridge>
  <context-id>
    context-id
  </context-id>
  <protocol>
    protocol
  </protocol>
  <cist-bridge-parameters>....</cist-bridge-parameters>
  <msti-bridge-parameters>....</msti-bridge-parameters>
  <vst-bridge-parameters>....</vst-bridge-parameters>

```

</stp-bridge>

**Description** Information about STP bridge parameters

### <stp-context-statistics-information>

#### Usage

```
<stp-context-statistics-information>
  <message-type>
    message-type
  </message-type>
  <total-bpdus-sent>
    total-bpdus-sent
  </total-bpdus-sent>
  <total-bpdus-received>
    total-bpdus-received
  </total-bpdus-received>
  <vstp-statistics>....</vstp-statistics>
  <bpdus-sent-5seconds>
    bpdus-sent-5seconds
  </bpdus-sent-5seconds>
  <bpdus-received-5seconds>
    bpdus-received-5seconds
  </bpdus-received-5seconds>
</stp-context-statistics-information>
```

**Description** Spanning Tree Protocol statistics

### <stp-instance>

#### Usage

```
<stp-interface-information>
  <stp-instance>
    <instance-id>
      instance-id
    </instance-id>
    <vlan-id>
      vlan-id
    </vlan-id>
    <stp-interfaces>....</stp-interfaces>
  </stp-instance>
</stp-interface-information>
```

**Description**

### <stp-interface-entry>

#### Usage

```
<stp-interface-entry>
  <interface-name>
    interface-name
```

```

</interface-name>
<port-priority>
  port-priority
</port-priority>
<port-number>
  port-number
</port-number>
<designated-port-priority>
  designated-port-priority
</designated-port-priority>
<designated-port-number>
  designated-port-number
</designated-port-number>
<port-cost>
  port-cost
</port-cost>
<port-state>
  port-state
</port-state>
<designated-bridge-priority>
  designated-bridge-priority
</designated-bridge-priority>
<designated-bridge-mac>
  designated-bridge-mac
</designated-bridge-mac>
<port-role>
  port-role
</port-role>
<link-type>
  link-type
</link-type>
<port-migrated-protocol>
  port-migrated-protocol
</port-migrated-protocol>
<boundary-port>
  boundary-port
</boundary-port>
<edge-delay-while-expiry-count>
  edge-delay-while-expiry-count
</edge-delay-while-expiry-count>
<rcvd-info-while-expiry-count>
  rcvd-info-while-expiry-count
</rcvd-info-while-expiry-count>
</stp-interface-entry>

```

**Description** Information about Spanning Tree Protocol interface

### <stp-interface-entry>

#### Usage

```

<stp-interface-information>
  <stp-instance>
    <stp-interfaces>
      <stp-interface-entry>

```

```
<interface-name>
  interface-name
</interface-name>
<port-priority>
  port-priority
</port-priority>
<port-number>
  port-number
</port-number>
<designated-port-priority>
  designated-port-priority
</designated-port-priority>
<designated-port-number>
  designated-port-number
</designated-port-number>
<port-cost>
  port-cost
</port-cost>
<port-state>
  port-state
</port-state>
<designated-bridge-priority>
  designated-bridge-priority
</designated-bridge-priority>
<designated-bridge-mac>
  designated-bridge-mac
</designated-bridge-mac>
<port-role>
  port-role
</port-role>
<link-type>
  link-type
</link-type>
<port-migrated-protocol>
  port-migrated-protocol
</port-migrated-protocol>
<boundary-port>
  boundary-port
</boundary-port>
<edge-delay-while-expiry-count>
  edge-delay-while-expiry-count
</edge-delay-while-expiry-count>
<rcvd-info-while-expiry-count>
  rcvd-info-while-expiry-count
</rcvd-info-while-expiry-count>
</stp-interface-entry>
</stp-interfaces>
</stp-instance>
</stp-interface-information>
```

**Description** Information about Spanning Tree Protocol interface

### <stp-interface-information>

#### Usage

```
<stp-interface-information>
  <stp-instance>....</stp-instance>
</stp-interface-information>
```

**Description** Information about STP interfaces or instances

### <stp-interface-statistics>

#### Usage

```
<stp-interface-statistics>
  <stp-interface-statistics-entry>....</stp-interface-statistics-entry>
  <vstp-interface-statistics>....</vstp-interface-statistics>
</stp-interface-statistics>
```

**Description** STP interface statistics

### <stp-interface-statistics-entry>

#### Usage

```
<stp-interface-statistics-entry>
  <interface-name>
    interface-name
  </interface-name>
  <total-bpdus-sent>
    total-bpdus-sent
  </total-bpdus-sent>
  <total-bpdus-received>
    total-bpdus-received
  </total-bpdus-received>
  <next-bpdu-time>
    next-bpdu-time
  </next-bpdu-time>
</stp-interface-statistics-entry>
```

**Description** STP interface statistics

### <stp-interface-statistics-entry>

#### Usage

```
<stp-interface-statistics>
  <stp-interface-statistics-entry>
    <interface-name>
      interface-name
    </interface-name>
    <total-bpdus-sent>
      total-bpdus-sent
    </total-bpdus-sent>
```

```
<total-bpdus-received>
  total-bpdus-received
</total-bpdus-received>
<next-bpdu-time>
  next-bpdu-time
</next-bpdu-time>
</stp-interface-statistics-entry>
</stp-interface-statistics>
```

**Description** STP interface statistics

### <stp-interface-statistics-entry>

#### Usage

```
<stp-interface-statistics>
<vstp-interface-statistics>
  <stp-interface-statistics-entry>
    <interface-name>
      interface-name
    </interface-name>
    <total-bpdus-sent>
      total-bpdus-sent
    </total-bpdus-sent>
    <total-bpdus-received>
      total-bpdus-received
    </total-bpdus-received>
    <next-bpdu-time>
      next-bpdu-time
    </next-bpdu-time>
  </stp-interface-statistics-entry>
</vstp-interface-statistics>
</stp-interface-statistics>
```

**Description** STP interface statistics

### <stp-interface-statistics-entry>

#### Usage

```
<stp-vlan-interface-statistics>
  <stp-interface-statistics-entry>
    <interface-name>
      interface-name
    </interface-name>
    <total-bpdus-sent>
      total-bpdus-sent
    </total-bpdus-sent>
    <total-bpdus-received>
      total-bpdus-received
    </total-bpdus-received>
    <next-bpdu-time>
      next-bpdu-time
    </next-bpdu-time>
```



```

    </stp-interface-statistics-entry>
  </stp-vlan-interface-statistics>

```

**Description** STP interface statistics

### <stp-interfaces>

#### Usage

```

    <stp-interface-information>
      <stp-instance>
        <stp-interfaces>
          <stp-interface-entry>....</stp-interface-entry>
        </stp-interfaces>
      </stp-instance>
    </stp-interface-information>

```

**Description** Information about STP interfaces

### <stp-kernel-table>

#### Usage

```

    <stp-kernel-table>
      <stp-kernel-table-entry>....</stp-kernel-table-entry>
    </stp-kernel-table>

```

**Description** STP kernel table information

### <stp-kernel-table-entry>

#### Usage

```

    <stp-kernel-table>
      <stp-kernel-table-entry>
        <stp-index>
          stp-index
        </stp-index>
        <kernel-if-name>
          kernel-if-name
        </kernel-if-name>
        <kernel-stp-instance>
          kernel-stp-instance
        </kernel-stp-instance>
        <kernel-state>
          kernel-state
        </kernel-state>
        <kernel-action>
          kernel-action
        </kernel-action>
        <epoch>
          epoch
        </epoch>
        <hardware-learning>

```

```
        hardware-learning
      </hardware-learning>
    </stp-kernel-table-entry>
  </stp-kernel-table>
```

**Description****<stp-vlan-interface-statistics>****Usage**

```
<stp-vlan-interface-statistics>
  <stp-interface-statistics-entry>....</stp-interface-statistics-entry>
</stp-vlan-interface-statistics>
```

**Description** Statistics information about VLAN STP interfaces

**<swap-vlan-member-list>****Usage**

```
<swap-vlan-member-list>
  <swap-vlan-member>
    swap-vlan-member
  </swap-vlan-member>
</swap-vlan-member-list>
```

**Description****<swap-vlan-member-list>****Usage**

```
<vlan>
  <vlan-detail>
    <swap-vlan-member-list>
      <swap-vlan-member>
        swap-vlan-member
      </swap-vlan-member>
    </swap-vlan-member-list>
  </vlan-detail>
</vlan>
```

**Description****<swap-vlan-member-list>****Usage**

```
<vlan-information>
  <vlan>
    <vlan-detail>
      <swap-vlan-member-list>
        <swap-vlan-member>
          swap-vlan-member
        </swap-vlan-member>
      </swap-vlan-member-list>
    </vlan-detail>
  </vlan>
</vlan-information>
```

```

        </swap-vlan-member>
      </swap-vlan-member-list>
    </vlan-detail>
  </vlan>
</vlan-information>

```

#### Description

### <switching-interface-information>

#### Usage

```

<switching-interface-information>
  <interface>....</interface>
</switching-interface-information>

```

**Description** Operational information about Ethernet-switching interfaces

### <tagged-vlan-member-list>

#### Usage

```

<tagged-vlan-member-list>
  <tagged-vlan-member>
    tagged-vlan-member
  </tagged-vlan-member>
</tagged-vlan-member-list>

```

#### Description

### <tagged-vlan-member-list>

#### Usage

```

<vlan>
  <vlan-detail>
    <tagged-vlan-member-list>
      <tagged-vlan-member>
        tagged-vlan-member
      </tagged-vlan-member>
    </tagged-vlan-member-list>
  </vlan-detail>
</vlan>

```

#### Description

### <tagged-vlan-member-list>

#### Usage

```

<vlan-information>
  <vlan>
    <vlan-detail>
      <tagged-vlan-member-list>
        <tagged-vlan-member>

```

```
        tagged-vlan-member
      </tagged-vlan-member>
    </tagged-vlan-member-list>
  </vlan-detail>
</vlan>
</vlan-information>
```

#### Description

**<task>**

#### Usage

```
<task-timer-information>
  <task>
    <task-name>
      task-name
    </task-name>
    <task-timer-priority>....</task-timer-priority>
    <task-timer-summary>....</task-timer-summary>
    <task-timer>....</task-timer>
  </task>
</task-timer-information>
```

#### Description

**<task-account-information>**

#### Usage

```
<task-accounting-information>
  <task-account-information>
</task-account-information>
</task-accounting-information>
```

#### Description

**<task-account-status>**

#### Usage

```
<task-accounting-information>
  <task-account-status>
</task-account-status>
</task-accounting-information>
```

#### Description

**<task-accounting-information>**

#### Usage

```
<task-accounting-information>
  <task-acc-task-name>
    task-acc-task-name
  </task-acc-task-name>
```

```

<task-acc-status>
  task-acc-status
</task-acc-status>
<task-acc-task-started>
  task-acc-task-started
</task-acc-task-started>
<task-acc-task-user-time>
  task-acc-task-user-time
</task-acc-task-user-time>
<task-acc-task-system-time>
  task-acc-task-system-time
</task-acc-task-system-time>
<task-acc-task-longest-run>
  task-acc-task-longest-run
</task-acc-task-longest-run>
<task-account-status>....</task-account-status>
<task-account-information>....</task-account-information>
</task-accounting-information>

```

## Description

<task-block>

## Usage

```

<task-block-list>
<task-block>
  <tb-name>
    tb-name
  </tb-name>
  <tb-size>
    tb-size
  </tb-size>
  <tb-alloc-size>
    tb-alloc-size
  </tb-alloc-size>
  <tb-terse-transient>
    tb-terse-transient
  </tb-terse-transient>
  <tb-terse-fullpage>
    tb-terse-fullpage
  </tb-terse-fullpage>
  <tb-terse-debug>
    tb-terse-debug
  </tb-terse-debug>
  <tb-alloc-blocks>
    tb-alloc-blocks
  </tb-alloc-blocks>
  <tb-alloc-bytes>
    tb-alloc-bytes
  </tb-alloc-bytes>
  <tb-max-alloc-blocks>
    tb-max-alloc-blocks
  </tb-max-alloc-blocks>
  <tb-max-alloc-bytes>
    tb-max-alloc-bytes

```

```
</tb-max-alloc-bytes>
</task-block>
</task-block-list>
```

#### Description

### <task-block>

#### Usage

```
<task-memory-information>
<task-memory-allocator-report>
<task-block-list>
<task-block>
<tb-name>
  tb-name
</tb-name>
<tb-size>
  tb-size
</tb-size>
<tb-alloc-size>
  tb-alloc-size
</tb-alloc-size>
<tb-terse-transient>
  tb-terse-transient
</tb-terse-transient>
<tb-terse-fullpage>
  tb-terse-fullpage
</tb-terse-fullpage>
<tb-terse-debug>
  tb-terse-debug
</tb-terse-debug>
<tb-alloc-blocks>
  tb-alloc-blocks
</tb-alloc-blocks>
<tb-alloc-bytes>
  tb-alloc-bytes
</tb-alloc-bytes>
<tb-max-alloc-blocks>
  tb-max-alloc-blocks
</tb-max-alloc-blocks>
<tb-max-alloc-bytes>
  tb-max-alloc-bytes
</tb-max-alloc-bytes>
</task-block>
</task-block-list>
</task-memory-allocator-report>
</task-memory-information>
```

#### Description

### <task-block-list>

#### Usage

```
<task-block-list>
```

```
<task-block>....</task-block>
</task-block-list>
```

#### Description

**<task-block-list>**

#### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>
      <task-block>....</task-block>
    </task-block-list>
  </task-memory-allocator-report>
</task-memory-information>
```

#### Description

**<task-io-information>**

#### Usage

```
<task-io-information>
  <task-io-task-name>
    task-io-task-name
  </task-io-task-name>
  <task-io-read>
    task-io-read
  </task-io-read>
  <task-io-write>
    task-io-write
  </task-io-write>
  <task-io-received>
    task-io-received
  </task-io-received>
  <task-io-sent>
    task-io-sent
  </task-io-sent>
  <task-io-dropped>
    task-io-dropped
  </task-io-dropped>
</task-io-information>
```

#### Description

**<task-jobs-background>**

#### Usage

```
<task-jobs-information>
  <task-jobs-background>
  </task-jobs-background>
</task-jobs-information>
```

**Description****<task-jobs-foreground>****Usage**

```
<task-jobs-information>
  <task-jobs-foreground>
</task-jobs-foreground>
</task-jobs-information>
```

**Description****<task-jobs-information>****Usage**

```
<task-jobs-information>
  <task-jobs-fg-priority>
    task-jobs-fg-priority
  </task-jobs-fg-priority>
  <task-jobs-fg-task-name>
    task-jobs-fg-task-name
  </task-jobs-fg-task-name>
  <task-jobs-fg-wait>
    task-jobs-fg-wait
  </task-jobs-fg-wait>
  <task-jobs-fg-flags>
    task-jobs-fg-flags
  </task-jobs-fg-flags>
  <task-jobs-bg-priority>
    task-jobs-bg-priority
  </task-jobs-bg-priority>
  <task-jobs-bg-task-name>
    task-jobs-bg-task-name
  </task-jobs-bg-task-name>
  <task-jobs-bg-misses>
    task-jobs-bg-misses
  </task-jobs-bg-misses>
  <task-jobs-bg-runs>
    task-jobs-bg-runs
  </task-jobs-bg-runs>
  <task-jobs-bg-wait>
    task-jobs-bg-wait
  </task-jobs-bg-wait>
  <task-jobs-bg-flags>
    task-jobs-bg-flags
  </task-jobs-bg-flags>
  <task-jobs-foreground>....</task-jobs-foreground>
  <task-jobs-background>....</task-jobs-background>
</task-jobs-information>
```

**Description**



**<task-lite-page>****Usage**

```

<task-lite-page-list>
  <task-lite-page>
    <tlp-name>
      tlp-name
    </tlp-name>
    <tlp-alloc-pages>
      tlp-alloc-pages
    </tlp-alloc-pages>
    <tlp-alloc-bytes>
      tlp-alloc-bytes
    </tlp-alloc-bytes>
    <tlp-max-alloc-pages>
      tlp-max-alloc-pages
    </tlp-max-alloc-pages>
    <tlp-max-alloc-bytes>
      tlp-max-alloc-bytes
    </tlp-max-alloc-bytes>
  </task-lite-page>
</task-lite-page-list>

```

**Description****<task-lite-page>****Usage**

```

<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>
        <tlp-name>
          tlp-name
        </tlp-name>
        <tlp-alloc-pages>
          tlp-alloc-pages
        </tlp-alloc-pages>
        <tlp-alloc-bytes>
          tlp-alloc-bytes
        </tlp-alloc-bytes>
        <tlp-max-alloc-pages>
          tlp-max-alloc-pages
        </tlp-max-alloc-pages>
        <tlp-max-alloc-bytes>
          tlp-max-alloc-bytes
        </tlp-max-alloc-bytes>
      </task-lite-page>
    </task-lite-page-list>
  </task-memory-allocator-report>
</task-memory-information>

```

**Description**

## <task-lite-page-list>

### Usage

```
<task-lite-page-list>
  <task-lite-page>....</task-lite-page>
</task-lite-page-list>
```

### Description

## <task-lite-page-list>

### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>....</task-lite-page>
    </task-lite-page-list>
  </task-memory-allocator-report>
</task-memory-information>
```

### Description

## <task-malloc>

### Usage

```
<task-malloc-list>
  <task-malloc>
    <tm-name>
      tm-name
    </tm-name>
    <tm-allocs>
      tm-allocs
    </tm-allocs>
    <tm-alloc-bytes>
      tm-alloc-bytes
    </tm-alloc-bytes>
    <tm-max-allocs>
      tm-max-allocs
    </tm-max-allocs>
    <tm-max-alloc-bytes>
      tm-max-alloc-bytes
    </tm-max-alloc-bytes>
    <tm-function-calls>
      tm-function-calls
    </tm-function-calls>
  </task-malloc>
</task-malloc-list>
```

### Description

**<task-malloc>****Usage**

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>
        <tm-name>
          tm-name
        </tm-name>
        <tm-allocs>
          tm-allocs
        </tm-allocs>
        <tm-alloc-bytes>
          tm-alloc-bytes
        </tm-alloc-bytes>
        <tm-max-allocs>
          tm-max-allocs
        </tm-max-allocs>
        <tm-max-alloc-bytes>
          tm-max-alloc-bytes
        </tm-max-alloc-bytes>
        <tm-function-calls>
          tm-function-calls
        </tm-function-calls>
      </task-malloc>
    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

**Description****<task-malloc-list>****Usage**

```

<task-malloc-list>
  <task-malloc>....</task-malloc>
</task-malloc-list>

```

**Description****<task-malloc-list>****Usage**

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>....</task-malloc>
    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

## Description

### <task-memory-allocator-report>

#### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>....</task-block-list>
    <task-lite-page-list>....</task-lite-page-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-allocator-report>
</task-memory-information>
```

## Description

### <task-memory-information>

#### Usage

```
<task-memory-information>
  <task-memory-in-use-size>
    task-memory-in-use-size
  </task-memory-in-use-size>
  <task-memory-in-use-avail>
    task-memory-in-use-avail
  </task-memory-in-use-avail>
  <task-memory-max-size>
    task-memory-max-size
  </task-memory-max-size>
  <task-memory-max-avail>
    task-memory-max-avail
  </task-memory-max-avail>
  <task-memory-max-when>
    task-memory-max-when
  </task-memory-max-when>
  <task-memory-free-size>
    task-memory-free-size
  </task-memory-free-size>
  <task-memory-overall-report>....</task-memory-overall-report>
  <task-memory-allocator-report>....</task-memory-allocator-report>
  <task-memory-malloc-usage-report>....</task-memory-malloc-usage-report>
  <task-memory-dynamic-allocs>
    task-memory-dynamic-allocs
  </task-memory-dynamic-allocs>
  <task-memory-max-dynamic-allocs>
    task-memory-max-dynamic-allocs
  </task-memory-max-dynamic-allocs>
  <task-memory-bss-bytes>
    task-memory-bss-bytes
  </task-memory-bss-bytes>
  <task-memory-max-bss-bytes>
```

```

    task-memory-max-bss-bytes
  </task-memory-max-bss-bytes>
  <task-memory-page-data-bytes>
    task-memory-page-data-bytes
  </task-memory-page-data-bytes>
  <task-memory-max-page-data-bytes>
    task-memory-max-page-data-bytes
  </task-memory-max-page-data-bytes>
  <task-memory-dir-bytes>
    task-memory-dir-bytes
  </task-memory-dir-bytes>
  <task-memory-max-dir-bytes>
    task-memory-max-dir-bytes
  </task-memory-max-dir-bytes>
  <task-memory-total-bytes-in-use>
    task-memory-total-bytes-in-use
  </task-memory-total-bytes-in-use>
  <task-memory-total-bytes-percent>
    task-memory-total-bytes-percent
  </task-memory-total-bytes-percent>
</task-memory-information>

```

#### Description

### <task-memory-malloc-usage-report>

#### Usage

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>....</task-malloc-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

#### Description

### <task-memory-overall-report>

#### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>....</task-size-block-list>
    <task-memory-stats-list>....</task-memory-stats-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-overall-report>
</task-memory-information>

```

```
<task-memory-total-free-bytes>
  task-memory-total-free-bytes
</task-memory-total-free-bytes>
</task-memory-overall-report>
</task-memory-information>
```

#### Description

### <task-memory-stats>

#### Usage

```
<task-memory-stats>
  <tms-name>
    tms-name
  </tms-name>
  <tms-allocs>
    tms-allocs
  </tms-allocs>
  <tms-mallocs>
    tms-mallocs
  </tms-mallocs>
  <tms-alloc-bytes>
    tms-alloc-bytes
  </tms-alloc-bytes>
  <tms-max-allocs>
    tms-max-allocs
  </tms-max-allocs>
  <tms-max-bytes>
    tms-max-bytes
  </tms-max-bytes>
  <tms-free-bytes>
    tms-free-bytes
  </tms-free-bytes>
</task-memory-stats>
```

#### Description

### <task-memory-stats>

#### Usage

```
<task-memory-information>
  <task-memory-overall-report>
    <task-memory-stats-list>
      <task-memory-stats>
        <tms-name>
          tms-name
        </tms-name>
        <tms-allocs>
          tms-allocs
        </tms-allocs>
        <tms-mallocs>
          tms-mallocs
        </tms-mallocs>
        <tms-alloc-bytes>
```

```

        tms-alloc-bytes
      </tms-alloc-bytes>
      <tms-max-allocs>
        tms-max-allocs
      </tms-max-allocs>
      <tms-max-bytes>
        tms-max-bytes
      </tms-max-bytes>
      <tms-free-bytes>
        tms-free-bytes
      </tms-free-bytes>
    </task-memory-stats>
  </task-memory-stats-list>
</task-memory-overall-report>
</task-memory-information>

```

**Description****<task-memory-stats-list>****Usage**

```

<task-memory-information>
  <task-memory-overall-report>
    <task-memory-stats-list>
      <task-memory-stats>....</task-memory-stats>
    </task-memory-stats-list>
  </task-memory-overall-report>
</task-memory-information>

```

**Description****<task-replication-state>****Usage**

```

<task-replication-state>
  <task-gres-state>
    task-gres-state
  </task-gres-state>
  <task-re-mode>
    task-re-mode
  </task-re-mode>
</task-replication-state>

```

**Description**    Current state of task replication

**<task-size-block>****Usage**

```

<task-size-block-list>
  <task-size-block>
    <tsb-size>
      tsb-size
    
```

```

</tsb-size>
<tsb-terse-transient>
  tsb-terse-transient
</tsb-terse-transient>
<tsb-terse-fullpage>
  tsb-terse-fullpage
</tsb-terse-fullpage>
<tsb-allocs>
  tsb-allocs
</tsb-allocs>
<tsb-mallocs>
  tsb-mallocs
</tsb-mallocs>
<tsb-alloc-bytes>
  tsb-alloc-bytes
</tsb-alloc-bytes>
<tsb-max-allocs>
  tsb-max-allocs
</tsb-max-allocs>
<tsb-max-bytes>
  tsb-max-bytes
</tsb-max-bytes>
<tsb-free-bytes>
  tsb-free-bytes
</tsb-free-bytes>
</task-size-block>
</task-size-block-list>

```

## Description

### <task-size-block>

#### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>
      <task-size-block>
        <tsb-size>
          tsb-size
        </tsb-size>
        <tsb-terse-transient>
          tsb-terse-transient
        </tsb-terse-transient>
        <tsb-terse-fullpage>
          tsb-terse-fullpage
        </tsb-terse-fullpage>
        <tsb-allocs>
          tsb-allocs
        </tsb-allocs>
        <tsb-mallocs>
          tsb-mallocs
        </tsb-mallocs>
        <tsb-alloc-bytes>
          tsb-alloc-bytes
        </tsb-alloc-bytes>
      </task-size-block>
    </task-size-block-list>
  </task-memory-overall-report>
</task-memory-information>

```



```

<tsb-max-allocs>
  tsb-max-allocs
</tsb-max-allocs>
<tsb-max-bytes>
  tsb-max-bytes
</tsb-max-bytes>
<tsb-free-bytes>
  tsb-free-bytes
</tsb-free-bytes>
</task-size-block>
</task-size-block-list>
</task-memory-overall-report>
</task-memory-information>

```

#### Description

### <task-size-block-list>

#### Usage

```

<task-size-block-list>
  <task-size-block>....</task-size-block>
</task-size-block-list>

```

#### Description

### <task-size-block-list>

#### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>
      <task-size-block>....</task-size-block>
    </task-size-block-list>
  </task-memory-overall-report>
</task-memory-information>

```

#### Description

### <task-statistics-information>

#### Usage

```

<task-statistics-information>
  <task-stat-event-name>
    task-stat-event-name
  </task-stat-event-name>
  <task-stat-event-count>
    task-stat-event-count
  </task-stat-event-count>
</task-statistics-information>

```

#### Description

## <task-summary-information>

### Usage

```
<task-summary-information>
  <task-summary-priority>
    task-summary-priority
  </task-summary-priority>
  <task-summary-task-name>
    task-summary-task-name
  </task-summary-task-name>
  <task-summary-protocol>
    task-summary-protocol
  </task-summary-protocol>
  <task-summary-port>
    task-summary-port
  </task-summary-port>
  <task-summary-socket>
    task-summary-socket
  </task-summary-socket>
  <task-summary-flags>
    task-summary-flags
  </task-summary-flags>
</task-summary-information>
```

### Description

## <task-timer>

### Usage

```
<task-timer>
  <timer-name>
    timer-name
  </timer-name>
  <timer-late>
    timer-late
  </timer-late>
  <timer-expires>
    timer-expires
  </timer-expires>
  <timer-jitter>
    timer-jitter
  </timer-jitter>
  <timer-interval>
    timer-interval
  </timer-interval>
  <timer-flags>
    timer-flags
  </timer-flags>
</task-timer>
```

### Description

**<task-timer>****Usage**

```

<task-timer-information>
  <task>
    <task-timer>
      <timer-name>
        timer-name
      </timer-name>
      <timer-late>
        timer-late
      </timer-late>
      <timer-expires>
        timer-expires
      </timer-expires>
      <timer-jitter>
        timer-jitter
      </timer-jitter>
      <timer-interval>
        timer-interval
      </timer-interval>
      <timer-flags>
        timer-flags
      </timer-flags>
    </task-timer>
  </task>
</task-timer-information>

```

**Description****<task-timer-information>****Usage**

```

<task-timer-information>
  <task>....</task>
</task-timer-information>

```

**Description****<task-timer-priority>****Usage**

```

<task-timer-priority>
  <task-timer-type>
    task-timer-type
  </task-timer-type>
</task-timer-priority>

```

**Description**

### <task-timer-priority>

#### Usage

```
<task-timer-information>
<task>
  <task-timer-priority>
    <task-timer-type>
      task-timer-type
    </task-timer-type>
  </task-timer-priority>
</task>
</task-timer-information>
```

#### Description

### <task-timer-summary>

#### Usage

```
<task-timer-summary>
<task-timer-leaf>
  task-timer-leaf
</task-timer-leaf>
<task-timer-parent>
  task-timer-parent
</task-timer-parent>
<task-timer-expired>
  task-timer-expired
</task-timer-expired>
</task-timer-summary>
```

#### Description

### <task-timer-summary>

#### Usage

```
<task-timer-information>
<task>
  <task-timer-summary>
    <task-timer-leaf>
      task-timer-leaf
    </task-timer-leaf>
    <task-timer-parent>
      task-timer-parent
    </task-timer-parent>
    <task-timer-expired>
      task-timer-expired
    </task-timer-expired>
  </task-timer-summary>
</task>
</task-timer-information>
```

#### Description

**<this-bridge>****Usage**

```
<cist-bridge-parameters>
  <this-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </this-bridge>
</cist-bridge-parameters>
```

**Description** ID of bridge

**<this-bridge>****Usage**

```
<vst-bridge-parameters>
  <this-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </this-bridge>
</vst-bridge-parameters>
```

**Description** ID of bridge

**<this-bridge>****Usage**

```
<msti-bridge-parameters>
  <this-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </this-bridge>
</msti-bridge-parameters>
```

**Description** ID of bridge

## <this-bridge>

### Usage

```
<stp-bridge>
  <cist-bridge-parameters>
    <this-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </this-bridge>
  </cist-bridge-parameters>
</stp-bridge>
```

**Description** ID of bridge

## <this-bridge>

### Usage

```
<stp-bridge>
  <msti-bridge-parameters>
    <this-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </this-bridge>
  </msti-bridge-parameters>
</stp-bridge>
```

**Description** ID of bridge

## <this-bridge>

### Usage

```
<stp-bridge>
  <vst-bridge-parameters>
    <this-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </this-bridge>
  </vst-bridge-parameters>
</stp-bridge>
```

**Description** ID of bridge

### <time-since-last-tc>

**Usage**

```
<msti-bridge-parameters>
  <time-since-last-tc>
</time-since-last-tc>
</msti-bridge-parameters>
```

**Description**

### <time-since-last-tc>

**Usage**

```
<stp-bridge>
  <msti-bridge-parameters>
    <time-since-last-tc>
  </time-since-last-tc>
</msti-bridge-parameters>
</stp-bridge>
```

**Description**

### <tracing-information>

**Usage**

```
<tracing-information>
  <flags>
    flags
  </flags>
  <filename>
    filename
  </filename>
  <filesize>
    filesize
  </filesize>
  <filelimit>
    filelimit
  </filelimit>
</tracing-information>
```

**Description**

### <untagged-vlan-member-list>

**Usage**

```
<untagged-vlan-member-list>
  <untagged-vlan-member>
    untagged-vlan-member
  </untagged-vlan-member>
</untagged-vlan-member-list>
```

**Description****<untagged-vlan-member-list>****Usage**

```
<vlan>
  <vlan-detail>
    <untagged-vlan-member-list>
      <untagged-vlan-member>
        untagged-vlan-member
      </untagged-vlan-member>
    </untagged-vlan-member-list>
  </vlan-detail>
</vlan>
```

**Description****<untagged-vlan-member-list>****Usage**

```
<vlan-information>
  <vlan>
    <vlan-detail>
      <untagged-vlan-member-list>
        <untagged-vlan-member>
          untagged-vlan-member
        </untagged-vlan-member>
      </untagged-vlan-member-list>
    </vlan-detail>
  </vlan>
</vlan-information>
```

**Description****<vlan>****Usage**

```
<vlan>
  <vlan-instance>
    vlan-instance
  </vlan-instance>
  <vlan-name>
    vlan-name
  </vlan-name>
  <vlan-index>
    vlan-index
  </vlan-index>
  <vlan-create-time>
    vlan-create-time
  </vlan-create-time>
  <vlan-description>
    vlan-description
  </vlan-description>
  <vlan-owner>
```



```
    vlan-owner
  </vlan-owner>
  <vlan-tag>
    vlan-tag
  </vlan-tag>
  <vlan-tag-string>
    vlan-tag-string
  </vlan-tag-string>
  <vlan-status>
    vlan-status
  </vlan-status>
  <dot1q-tunneling-mode>
    dot1q-tunneling-mode
  </dot1q-tunneling-mode>
  <layer2-protocol-tunneling-mode>
    layer2-protocol-tunneling-mode
  </layer2-protocol-tunneling-mode>
  <mac-learning-mode>
    mac-learning-mode
  </mac-learning-mode>
  <vlan-protocol-port>
    vlan-protocol-port
  </vlan-protocol-port>
  <vlan-l3-interface>
    vlan-l3-interface
  </vlan-l3-interface>
  <private-vlan-mode>
    private-vlan-mode
  </private-vlan-mode>
  <private-vlan-primary>
    private-vlan-primary
  </private-vlan-primary>
  <vlan-l3-interface-address>
    vlan-l3-interface-address
  </vlan-l3-interface-address>
  <vlan-l3-interface-ipv6-address>
    vlan-l3-interface-ipv6-address
  </vlan-l3-interface-ipv6-address>
  <vlan-l3-interface-addresses-ipv4>
    vlan-l3-interface-addresses-ipv4
  </vlan-l3-interface-addresses-ipv4>
  <vlan-l3-interface-addresses-ipv6>
    vlan-l3-interface-addresses-ipv6
  </vlan-l3-interface-addresses-ipv6>
  <vlan-members-upcount>
    vlan-members-upcount
  </vlan-members-upcount>
  <vlan-members-count>
    vlan-members-count
  </vlan-members-count>
  <customer-vlan-range-list>....</customer-vlan-range-list>
  <vlan-detail>....</vlan-detail>
</vlan>
```

**Description****<vlan>****Usage**

```
<vlan-information>
  <vlan>
    <vlan-instance>
      vlan-instance
    </vlan-instance>
    <vlan-name>
      vlan-name
    </vlan-name>
    <vlan-index>
      vlan-index
    </vlan-index>
    <vlan-create-time>
      vlan-create-time
    </vlan-create-time>
    <vlan-description>
      vlan-description
    </vlan-description>
    <vlan-owner>
      vlan-owner
    </vlan-owner>
    <vlan-tag>
      vlan-tag
    </vlan-tag>
    <vlan-tag-string>
      vlan-tag-string
    </vlan-tag-string>
    <vlan-status>
      vlan-status
    </vlan-status>
    <dot1q-tunneling-mode>
      dot1q-tunneling-mode
    </dot1q-tunneling-mode>
    <layer2-protocol-tunneling-mode>
      layer2-protocol-tunneling-mode
    </layer2-protocol-tunneling-mode>
    <mac-learning-mode>
      mac-learning-mode
    </mac-learning-mode>
    <vlan-protocol-port>
      vlan-protocol-port
    </vlan-protocol-port>
    <vlan-l3-interface>
      vlan-l3-interface
    </vlan-l3-interface>
    <private-vlan-mode>
      private-vlan-mode
    </private-vlan-mode>
    <private-vlan-primary>
      private-vlan-primary
    </private-vlan-primary>
    <vlan-l3-interface-address>
```

```

    vlan-l3-interface-address
  </vlan-l3-interface-address>
  <vlan-l3-interface-ipv6-address>
    vlan-l3-interface-ipv6-address
  </vlan-l3-interface-ipv6-address>
  <vlan-l3-interface-addresses-ipv4>
    vlan-l3-interface-addresses-ipv4
  </vlan-l3-interface-addresses-ipv4>
  <vlan-l3-interface-addresses-ipv6>
    vlan-l3-interface-addresses-ipv6
  </vlan-l3-interface-addresses-ipv6>
  <vlan-members-upcount>
    vlan-members-upcount
  </vlan-members-upcount>
  <vlan-members-count>
    vlan-members-count
  </vlan-members-count>
  <customer-vlan-range-list>....</customer-vlan-range-list>
  <vlan-detail>....</vlan-detail>
</vlan>
</vlan-information>

```

## Description

### <vlan-detail>

## Usage

```

<vlan>
  <vlan-detail>
    <vlan-hardware-token>
      vlan-hardware-token
    </vlan-hardware-token>
    <vlan-mac-aging-time>
      vlan-mac-aging-time
    </vlan-mac-aging-time>
    <vlan-tagged-members-count>
      vlan-tagged-members-count
    </vlan-tagged-members-count>
    <vlan-tagged-members-upcount>
      vlan-tagged-members-upcount
    </vlan-tagged-members-upcount>
    <vlan-untagged-members-count>
      vlan-untagged-members-count
    </vlan-untagged-members-count>
    <vlan-untagged-members-upcount>
      vlan-untagged-members-upcount
    </vlan-untagged-members-upcount>
    <secondary-vlan-count>
      secondary-vlan-count
    </secondary-vlan-count>
    <isolated-vlan-count>
      isolated-vlan-count
    </isolated-vlan-count>
    <community-vlan-count>
      community-vlan-count

```

```
</community-vlan-count>
<isiv-vlan-count>
  isiv-vlan-count
</isiv-vlan-count>
<vlan-stp>
  vlan-stp
</vlan-stp>
<vlan-redundant-trunk-group>
  vlan-redundant-trunk-group
</vlan-redundant-trunk-group>
<vlan-unknown-unicast>
  vlan-unknown-unicast
</vlan-unknown-unicast>
<vlan-protocol-mac>
  vlan-protocol-mac
</vlan-protocol-mac>
<vlan-mac-entries-count>
  vlan-mac-entries-count
</vlan-mac-entries-count>
<untagged-vlan-member-list>....</untagged-vlan-member-list>
<tagged-vlan-member-list>....</tagged-vlan-member-list>
<mac-based-vlan-member-list>....</mac-based-vlan-member-list>
<push-vlan-member-list>....</push-vlan-member-list>
<policy-vlan-member-list>....</policy-vlan-member-list>
<swap-vlan-member-list>....</swap-vlan-member-list>
<vlan-member-list>....</vlan-member-list>
<vlan-mapping-summary>....</vlan-mapping-summary>
<vlan-mapping-list>....</vlan-mapping-list>
<private-vlan-isolated-list>....</private-vlan-isolated-list>
<private-vlan-community-list>....</private-vlan-community-list>
<isiv-vlan>
  isiv-vlan
</isiv-vlan>
<private-vlan-secondary-list>....</private-vlan-secondary-list>
</vlan-detail>
</vlan>
```

## Description

### <vlan-detail>

#### Usage

```
<vlan-information>
<vlan>
  <vlan-detail>
    <vlan-hardware-token>
      vlan-hardware-token
    </vlan-hardware-token>
    <vlan-mac-aging-time>
      vlan-mac-aging-time
    </vlan-mac-aging-time>
    <vlan-tagged-members-count>
      vlan-tagged-members-count
    </vlan-tagged-members-count>
    <vlan-tagged-members-upcount>
```

```

    vlan-tagged-members-upcount
  </vlan-tagged-members-upcount>
  <vlan-untagged-members-count>
    vlan-untagged-members-count
  </vlan-untagged-members-count>
  <vlan-untagged-members-upcount>
    vlan-untagged-members-upcount
  </vlan-untagged-members-upcount>
  <secondary-vlan-count>
    secondary-vlan-count
  </secondary-vlan-count>
  <isolated-vlan-count>
    isolated-vlan-count
  </isolated-vlan-count>
  <community-vlan-count>
    community-vlan-count
  </community-vlan-count>
  <isiv-vlan-count>
    isiv-vlan-count
  </isiv-vlan-count>
  <vlan-stp>
    vlan-stp
  </vlan-stp>
  <vlan-redundant-trunk-group>
    vlan-redundant-trunk-group
  </vlan-redundant-trunk-group>
  <vlan-unknown-unicast>
    vlan-unknown-unicast
  </vlan-unknown-unicast>
  <vlan-protocol-mac>
    vlan-protocol-mac
  </vlan-protocol-mac>
  <vlan-mac-entries-count>
    vlan-mac-entries-count
  </vlan-mac-entries-count>
  <untagged-vlan-member-list>....</untagged-vlan-member-list>
  <tagged-vlan-member-list>....</tagged-vlan-member-list>
  <mac-based-vlan-member-list>....</mac-based-vlan-member-list>
  <push-vlan-member-list>....</push-vlan-member-list>
  <policy-vlan-member-list>....</policy-vlan-member-list>
  <swap-vlan-member-list>....</swap-vlan-member-list>
  <vlan-member-list>....</vlan-member-list>
  <vlan-mapping-summary>....</vlan-mapping-summary>
  <vlan-mapping-list>....</vlan-mapping-list>
  <private-vlan-isolated-list>....</private-vlan-isolated-list>
  <private-vlan-community-list>....</private-vlan-community-list>
  <isiv-vlan>
    isiv-vlan
  </isiv-vlan>
  <private-vlan-secondary-list>....</private-vlan-secondary-list>
</vlan-detail>
</vlan>
</vlan-information>

```

**Description****<vlan-information>****Usage**

```
<vlan-information>
  <vlan-summary>....</vlan-summary>
  <vlan-terse>
    vlan-terse
  </vlan-terse>
  <vlan>....</vlan>
</vlan-information>
```

**Description** Operational VLAN information

**<vlan-map>****Usage**

```
<mstp-configuration>
  <vlan-map>
    <vlan-map-entry>....</vlan-map-entry>
  </vlan-map>
</mstp-configuration>
```

**Description****<vlan-map-entry>****Usage**

```
<mstp-configuration>
  <vlan-map>
    <vlan-map-entry>
      <msti-id>
        msti-id
      </msti-id>
      <vlan-string>
        vlan-string
      </vlan-string>
    </vlan-map-entry>
  </vlan-map>
</mstp-configuration>
```

**Description****<vlan-mapping-list>****Usage**

```
<vlan-mapping-list>
  <vlan-mapping-rule>....</vlan-mapping-rule>
</vlan-mapping-list>
```

**Description****<vlan-mapping-list>****Usage**

```
<vlan>
  <vlan-detail>
    <vlan-mapping-list>
      <vlan-mapping-rule>....</vlan-mapping-rule>
    </vlan-mapping-list>
  </vlan-detail>
</vlan>
```

**Description****<vlan-mapping-list>****Usage**

```
<vlan-information>
  <vlan>
    <vlan-detail>
      <vlan-mapping-list>
        <vlan-mapping-rule>....</vlan-mapping-rule>
      </vlan-mapping-list>
    </vlan-detail>
  </vlan>
</vlan-information>
```

**Description****<vlan-mapping-rule>****Usage**

```
<vlan-mapping-list>
  <vlan-mapping-rule>
    <vlan-mapping-interface>
      vlan-mapping-interface
    </vlan-mapping-interface>
    <vlan-mapping-tag>
      vlan-mapping-tag
    </vlan-mapping-tag>
    <vlan-mapping-operation>
      vlan-mapping-operation
    </vlan-mapping-operation>
  </vlan-mapping-rule>
</vlan-mapping-list>
```

**Description****<vlan-mapping-rule>****Usage**

```
<vlan>
```

```
<vlan-detail>
  <vlan-mapping-list>
    <vlan-mapping-rule>
      <vlan-mapping-interface>
        vlan-mapping-interface
      </vlan-mapping-interface>
      <vlan-mapping-tag>
        vlan-mapping-tag
      </vlan-mapping-tag>
      <vlan-mapping-operation>
        vlan-mapping-operation
      </vlan-mapping-operation>
    </vlan-mapping-rule>
  </vlan-mapping-list>
</vlan-detail>
</vlan>
```

#### Description

### <vlan-mapping-rule>

#### Usage

```
<vlan-information>
  <vlan>
    <vlan-detail>
      <vlan-mapping-list>
        <vlan-mapping-rule>
          <vlan-mapping-interface>
            vlan-mapping-interface
          </vlan-mapping-interface>
          <vlan-mapping-tag>
            vlan-mapping-tag
          </vlan-mapping-tag>
          <vlan-mapping-operation>
            vlan-mapping-operation
          </vlan-mapping-operation>
        </vlan-mapping-rule>
      </vlan-mapping-list>
    </vlan-detail>
  </vlan>
</vlan-information>
```

#### Description

### <vlan-mapping-summary>

#### Usage

```
<vlan-mapping-summary>
  <vlan-push-members-count>
    vlan-push-members-count
  </vlan-push-members-count>
  <vlan-push-members-upcount>
    vlan-push-members-upcount
  </vlan-push-members-upcount>
```



```

<vlan-policy-members-count>
  vlan-policy-members-count
</vlan-policy-members-count>
<vlan-policy-members-upcount>
  vlan-policy-members-upcount
</vlan-policy-members-upcount>
<vlan-swap-members-count>
  vlan-swap-members-count
</vlan-swap-members-count>
<vlan-swap-members-upcount>
  vlan-swap-members-upcount
</vlan-swap-members-upcount>
</vlan-mapping-summary>

```

#### Description

### <vlan-mapping-summary>

#### Usage

```

<vlan>
  <vlan-detail>
    <vlan-mapping-summary>
      <vlan-push-members-count>
        vlan-push-members-count
      </vlan-push-members-count>
      <vlan-push-members-upcount>
        vlan-push-members-upcount
      </vlan-push-members-upcount>
      <vlan-policy-members-count>
        vlan-policy-members-count
      </vlan-policy-members-count>
      <vlan-policy-members-upcount>
        vlan-policy-members-upcount
      </vlan-policy-members-upcount>
      <vlan-swap-members-count>
        vlan-swap-members-count
      </vlan-swap-members-count>
      <vlan-swap-members-upcount>
        vlan-swap-members-upcount
      </vlan-swap-members-upcount>
    </vlan-mapping-summary>
  </vlan-detail>
</vlan>

```

#### Description

### <vlan-mapping-summary>

#### Usage

```

<vlan-information>
  <vlan>
    <vlan-detail>
      <vlan-mapping-summary>
        <vlan-push-members-count>

```

```
    vlan-push-members-count
  </vlan-push-members-count>
  <vlan-push-members-upcount>
    vlan-push-members-upcount
  </vlan-push-members-upcount>
  <vlan-policy-members-count>
    vlan-policy-members-count
  </vlan-policy-members-count>
  <vlan-policy-members-upcount>
    vlan-policy-members-upcount
  </vlan-policy-members-upcount>
  <vlan-swap-members-count>
    vlan-swap-members-count
  </vlan-swap-members-count>
  <vlan-swap-members-upcount>
    vlan-swap-members-upcount
  </vlan-swap-members-upcount>
</vlan-mapping-summary>
</vlan-detail>
</vlan>
</vlan-information>
```

## Description

### <vlan-member>

#### Usage

```
<vlan-member-list>
  <vlan-member>
    <vlan-member-interface>
      vlan-member-interface
    </vlan-member-interface>
    <vlan-member-tagness>
      vlan-member-tagness
    </vlan-member-tagness>
    <vlan-member-port-mode>
      vlan-member-port-mode
    </vlan-member-port-mode>
    <vlan-member-pvlan-trunk-mode>
      vlan-member-pvlan-trunk-mode
    </vlan-member-pvlan-trunk-mode>
    <vlan-membership-type>
      vlan-membership-type
    </vlan-membership-type>
    <vlan-protocol-mac-address>
      vlan-protocol-mac-address
    </vlan-protocol-mac-address>
    <vlan-mac-member-tagness>
      vlan-mac-member-tagness
    </vlan-mac-member-tagness>
  </vlan-member>
</vlan-member-list>
```

## Description

## <vlan-member>

### Usage

```

<vlan>
  <vlan-detail>
    <vlan-member-list>
      <vlan-member>
        <vlan-member-interface>
          vlan-member-interface
        </vlan-member-interface>
        <vlan-member-tagness>
          vlan-member-tagness
        </vlan-member-tagness>
        <vlan-member-port-mode>
          vlan-member-port-mode
        </vlan-member-port-mode>
        <vlan-member-pvlan-trunk-mode>
          vlan-member-pvlan-trunk-mode
        </vlan-member-pvlan-trunk-mode>
        <vlan-membership-type>
          vlan-membership-type
        </vlan-membership-type>
        <vlan-protocol-mac-address>
          vlan-protocol-mac-address
        </vlan-protocol-mac-address>
        <vlan-mac-member-tagness>
          vlan-mac-member-tagness
        </vlan-mac-member-tagness>
      </vlan-member>
    </vlan-member-list>
  </vlan-detail>
</vlan>

```

### Description

## <vlan-member>

### Usage

```

<vlan-information>
  <vlan>
    <vlan-detail>
      <vlan-member-list>
        <vlan-member>
          <vlan-member-interface>
            vlan-member-interface
          </vlan-member-interface>
          <vlan-member-tagness>
            vlan-member-tagness
          </vlan-member-tagness>
          <vlan-member-port-mode>
            vlan-member-port-mode
          </vlan-member-port-mode>
          <vlan-member-pvlan-trunk-mode>
            vlan-member-pvlan-trunk-mode

```

```
</vlan-member-pvlan-trunk-mode>
<vlan-membership-type>
  vlan-membership-type
</vlan-membership-type>
<vlan-protocol-mac-address>
  vlan-protocol-mac-address
</vlan-protocol-mac-address>
<vlan-mac-member-tagness>
  vlan-mac-member-tagness
</vlan-mac-member-tagness>
</vlan-member>
</vlan-member-list>
</vlan-detail>
</vlan>
</vlan-information>
```

#### Description

### <vlan-member-list>

#### Usage

```
<vlan-member-list>
  <vlan-member>....</vlan-member>
</vlan-member-list>
```

#### Description

### <vlan-member-list>

#### Usage

```
<vlan>
  <vlan-detail>
    <vlan-member-list>
      <vlan-member>....</vlan-member>
    </vlan-member-list>
  </vlan-detail>
</vlan>
```

#### Description

### <vlan-member-list>

#### Usage

```
<vlan-information>
  <vlan>
    <vlan-detail>
      <vlan-member-list>
        <vlan-member>....</vlan-member>
      </vlan-member-list>
    </vlan-detail>
  </vlan>
</vlan-information>
```

## Description

## &lt;vlan-summary&gt;

## Usage

```

<vlan-information>
  <vlan-summary>
    <vlan-total-count>
      vlan-total-count
    </vlan-total-count>
    <vlan-configured-count>
      vlan-configured-count
    </vlan-configured-count>
    <vlan-dynamic-count>
      vlan-dynamic-count
    </vlan-dynamic-count>
    <vlan-internal-count>
      vlan-internal-count
    </vlan-internal-count>
    <vlan-temporary-count>
      vlan-temporary-count
    </vlan-temporary-count>
    <vlan-dot1q-total-count>
      vlan-dot1q-total-count
    </vlan-dot1q-total-count>
    <vlan-dot1q-tagged-count>
      vlan-dot1q-tagged-count
    </vlan-dot1q-tagged-count>
    <vlan-dot1q-untagged-count>
      vlan-dot1q-untagged-count
    </vlan-dot1q-untagged-count>
    <vlan-dot1q-private-primary-count>
      vlan-dot1q-private-primary-count
    </vlan-dot1q-private-primary-count>
    <vlan-dot1q-private-community-count>
      vlan-dot1q-private-community-count
    </vlan-dot1q-private-community-count>
    <vlan-dot1q-private-isolated-count>
      vlan-dot1q-private-isolated-count
    </vlan-dot1q-private-isolated-count>
    <vlan-dot1q-tunneled-count>
      vlan-dot1q-tunneled-count
    </vlan-dot1q-tunneled-count>
    <vlan-dot1q-tunneled-private-primary-count>
      vlan-dot1q-tunneled-private-primary-count
    </vlan-dot1q-tunneled-private-primary-count>
    <vlan-dot1q-tunneled-private-community-count>
      vlan-dot1q-tunneled-private-community-count
    </vlan-dot1q-tunneled-private-community-count>
    <vlan-dot1q-tunneled-private-isolated-count>
      vlan-dot1q-tunneled-private-isolated-count
    </vlan-dot1q-tunneled-private-isolated-count>
    <vlan-dynamic-dot1x-count>
      vlan-dynamic-dot1x-count
    </vlan-dynamic-dot1x-count>
    <vlan-dynamic-mvrp-count>

```

```
        vlan-dynamic-mvrp-count  
      </vlan-dynamic-mvrp-count>  
    </vlan-summary>  
  </vlan-information>
```

## Description

### <vst-bridge-parameters>

#### Usage

```
<vst-bridge-parameters>  
  <vlan-id>  
    vlan-id  
  </vlan-id>  
  <root-bridge>....</root-bridge>  
  <root-port>  
    root-port  
  </root-port>  
  <root-cost>  
    root-cost  
  </root-cost>  
  <hello-time-learned>  
    hello-time-learned  
  </hello-time-learned>  
  <max-age-learned>  
    max-age-learned  
  </max-age-learned>  
  <forward-delay-learned>  
    forward-delay-learned  
  </forward-delay-learned>  
  <message-age>  
    message-age  
  </message-age>  
  <time-since-last-topology-change>  
    time-since-last-topology-change  
  </time-since-last-topology-change>  
  <topology-change-count>  
    topology-change-count  
  </topology-change-count>  
  <topology-change-initiator>  
    topology-change-initiator  
  </topology-change-initiator>  
  <topology-change-last-received-from>  
    topology-change-last-received-from  
  </topology-change-last-received-from>  
  <extended-system-id>  
    extended-system-id  
  </extended-system-id>  
  <internal-instance-id>  
    internal-instance-id  
  </internal-instance-id>  
  <this-bridge>....</this-bridge>  
  <hello-time-configured>  
    hello-time-configured  
  </hello-time-configured>
```

```

<max-age-configured>
  max-age-configured
</max-age-configured>
<forward-delay-configured>
  forward-delay-configured
</forward-delay-configured>
<path-cost-method>
  path-cost-method
</path-cost-method>
</vst-bridge-parameters>

```

**Description** STP bridge parameters for VLAN Spanning Tree

### <vst-bridge-parameters>

#### Usage

```

<stp-bridge>
  <vst-bridge-parameters>
    <vlan-id>
      vlan-id
    </vlan-id>
    <root-bridge>....</root-bridge>
    <root-port>
      root-port
    </root-port>
    <root-cost>
      root-cost
    </root-cost>
    <hello-time-learned>
      hello-time-learned
    </hello-time-learned>
    <max-age-learned>
      max-age-learned
    </max-age-learned>
    <forward-delay-learned>
      forward-delay-learned
    </forward-delay-learned>
    <message-age>
      message-age
    </message-age>
    <time-since-last-topology-change>
      time-since-last-topology-change
    </time-since-last-topology-change>
    <topology-change-count>
      topology-change-count
    </topology-change-count>
    <topology-change-initiator>
      topology-change-initiator
    </topology-change-initiator>
    <topology-change-last-received-from>
      topology-change-last-received-from
    </topology-change-last-received-from>
    <extended-system-id>
      extended-system-id

```

```
</extended-system-id>
<internal-instance-id>
  internal-instance-id
</internal-instance-id>
<this-bridge>....</this-bridge>
<hello-time-configured>
  hello-time-configured
</hello-time-configured>
<max-age-configured>
  max-age-configured
</max-age-configured>
<forward-delay-configured>
  forward-delay-configured
</forward-delay-configured>
<path-cost-method>
  path-cost-method
</path-cost-method>
</vst-bridge-parameters>
</stp-bridge>
```

**Description** STP bridge parameters for VLAN Spanning Tree

### <vstp-interface-statistics>

#### Usage

```
<stp-interface-statistics>
<vstp-interface-statistics>
  <vlan-id>
    vlan-id
  </vlan-id>
  <stp-interface-statistics-entry>....</stp-interface-statistics-entry>
</vstp-interface-statistics>
</stp-interface-statistics>
```

**Description** Statistics information about one or more VLAN STP interfaces

### <vstp-statistics>

#### Usage

```
<vstp-statistics>
<vlan-id>
  vlan-id
</vlan-id>
<message-type>
  message-type
</message-type>
<total-bpdus-sent>
  total-bpdus-sent
</total-bpdus-sent>
<total-bpdus-received>
  total-bpdus-received
</total-bpdus-received>
```



```

    <bpdus-sent-5seconds>
      bpdus-sent-5seconds
    </bpdus-sent-5seconds>
    <bpdus-received-5seconds>
      bpdus-received-5seconds
    </bpdus-received-5seconds>
  </vstp-statistics>

```

**Description** VLAN Spanning Tree Protocol statistics

### <vstp-statistics>

#### Usage

```

<stp-context-statistics-information>
  <vstp-statistics>
    <vlan-id>
      vlan-id
    </vlan-id>
    <message-type>
      message-type
    </message-type>
    <total-bpdus-sent>
      total-bpdus-sent
    </total-bpdus-sent>
    <total-bpdus-received>
      total-bpdus-received
    </total-bpdus-received>
    <bpdus-sent-5seconds>
      bpdus-sent-5seconds
    </bpdus-sent-5seconds>
    <bpdus-received-5seconds>
      bpdus-received-5seconds
    </bpdus-received-5seconds>
  </vstp-statistics>
</stp-context-statistics-information>

```

**Description** VLAN Spanning Tree Protocol statistics

## Summary of Layer 2 Control Protocol Response Tags

### <cist-bridge-parameters>

#### Usage

```

<cist-bridge-parameters>
  <cist-id>
    cist-id
  </cist-id>
  <root-bridge>....</root-bridge>
  <root-port>
    root-port
  </root-port>
  <root-cost>

```

```
    root-cost
  </root-cost>
  <regional-root-bridge>....</regional-root-bridge>
  <internal-root-cost>
    internal-root-cost
  </internal-root-cost>
  <hello-time-learned>
    hello-time-learned
  </hello-time-learned>
  <max-age-learned>
    max-age-learned
  </max-age-learned>
  <forward-delay-learned>
    forward-delay-learned
  </forward-delay-learned>
  <msg-age>
    msg-age
  </msg-age>
  <hop-count>
    hop-count
  </hop-count>
  <time-since-last-tc>
    time-since-last-tc
  </time-since-last-tc>
  <topology-change-count>
    topology-change-count
  </topology-change-count>
  <extended-system-id>
    extended-system-id
  </extended-system-id>
  <this-bridge>....</this-bridge>
  <hello-time-configured>
    hello-time-configured
  </hello-time-configured>
  <max-age-configured>
    max-age-configured
  </max-age-configured>
  <forward-delay-configured>
    forward-delay-configured
  </forward-delay-configured>
  <max-hop-count-configured>
    max-hop-count-configured
  </max-hop-count-configured>
  <path-cost-method>
    path-cost-method
  </path-cost-method>
</cist-bridge-parameters>
```

**Description** STP bridge parameters for Common and Internal Spanning Tree

### <cist-bridge-parameters>

#### Usage

```
<stp-bridge>
```

```
<cist-bridge-parameters>
  <cist-id>
    cist-id
  </cist-id>
  <root-bridge>....</root-bridge>
  <root-port>
    root-port
  </root-port>
  <root-cost>
    root-cost
  </root-cost>
  <regional-root-bridge>....</regional-root-bridge>
  <internal-root-cost>
    internal-root-cost
  </internal-root-cost>
  <hello-time-learned>
    hello-time-learned
  </hello-time-learned>
  <max-age-learned>
    max-age-learned
  </max-age-learned>
  <forward-delay-learned>
    forward-delay-learned
  </forward-delay-learned>
  <msg-age>
    msg-age
  </msg-age>
  <hop-count>
    hop-count
  </hop-count>
  <time-since-last-tc>
    time-since-last-tc
  </time-since-last-tc>
  <topology-change-count>
    topology-change-count
  </topology-change-count>
  <extended-system-id>
    extended-system-id
  </extended-system-id>
  <this-bridge>....</this-bridge>
  <hello-time-configured>
    hello-time-configured
  </hello-time-configured>
  <max-age-configured>
    max-age-configured
  </max-age-configured>
  <forward-delay-configured>
    forward-delay-configured
  </forward-delay-configured>
  <max-hop-count-configured>
    max-hop-count-configured
  </max-hop-count-configured>
  <path-cost-method>
    path-cost-method
  </path-cost-method>
</cist-bridge-parameters>
```

</stp-bridge>

**Description** STP bridge parameters for Common and Internal Spanning Tree

### <dot1x-authentication-failed-users>

#### Usage

```
<dot1x-interface-information>
  <dot1x-authentication-failed-users>
    <authentication-failed-interface>
      authentication-failed-interface
    </authentication-failed-interface>
    <authentication-failed-mac-addr>
      authentication-failed-mac-addr
    </authentication-failed-mac-addr>
    <authentication-failed-user>
      authentication-failed-user
    </authentication-failed-user>
  </dot1x-authentication-failed-users>
</dot1x-interface-information>
```

**Description** List of users who failed authentication

### <dot1x-interface-information>

#### Usage

```
<dot1x-interface-information>
  <interface>....</interface>
  <dot1x-static-mac-address>....</dot1x-static-mac-address>
  <dot1x-authentication-failed-users>....</dot1x-authentication-failed-users>
</dot1x-interface-information>
```

**Description**

### <dot1x-static-mac-address>

#### Usage

```
<dot1x-interface-information>
  <dot1x-static-mac-address>
    <static-mac-address>
      static-mac-address
    </static-mac-address>
    <static-mac-vlan-assignment>
      static-mac-vlan-assignment
    </static-mac-vlan-assignment>
    <static-mac-interface>
      static-mac-interface
    </static-mac-interface>
  </dot1x-static-mac-address>
</dot1x-interface-information>
```

**Description** Information about configured static MAC addresses

### <erp-data-channel-entry>

#### Usage

```
<erp-data-channel-entry>
  <data-channel-interface-name>
    data-channel-interface-name
  </data-channel-interface-name>
  <data-channel-stp-index>
    data-channel-stp-index
  </data-channel-stp-index>
  <data-channel-forward-state>
    data-channel-forward-state
  </data-channel-forward-state>
</erp-data-channel-entry>
```

**Description** Data channel information about Ring port of a Ethernet Ring instance

### <erp-data-channel-entry>

#### Usage

```
<erp-data-channel-information>
  <erp-data-channels>
    <erp-data-channel-interfaces>
      <erp-data-channel-entry>
        <data-channel-interface-name>
          data-channel-interface-name
        </data-channel-interface-name>
        <data-channel-stp-index>
          data-channel-stp-index
        </data-channel-stp-index>
        <data-channel-forward-state>
          data-channel-forward-state
        </data-channel-forward-state>
      </erp-data-channel-entry>
    </erp-data-channel-interfaces>
  </erp-data-channels>
</erp-data-channel-information>
```

**Description** Data channel information about Ring port of a Ethernet Ring instance

### <erp-data-channel-information>

#### Usage

```
<erp-data-channel-information>
  <erp-data-channels>....</erp-data-channels>
</erp-data-channel-information>
```

**Description** Data channel information for one or more ethernet ring instances

## <erp-data-channel-interfaces>

### Usage

```
<erp-data-channel-information>
  <erp-data-channels>
    <erp-data-channel-interfaces>
      <erp-data-channel-entry>....</erp-data-channel-entry>
    </erp-data-channel-interfaces>
  </erp-data-channels>
</erp-data-channel-information>
```

**Description** Data channel information about ring ports

## <erp-data-channels>

### Usage

```
<erp-data-channel-information>
  <erp-data-channels>
    <erp-data-channel-protection-group-name>
      erp-data-channel-protection-group-name
    </erp-data-channel-protection-group-name>
    <erp-data-channel-interfaces>....</erp-data-channel-interfaces>
  </erp-data-channels>
</erp-data-channel-information>
```

### Description

## <erp-ifbd-entries>

### Usage

```
<erp-ifbd-information>
  <erp-ifbds>
    <erp-ifbd-entries>
      <erp-ifbd-entry>....</erp-ifbd-entry>
    </erp-ifbd-entries>
  </erp-ifbds>
</erp-ifbd-information>
```

**Description** VLAN information for one specific iring port

## <erp-ifbd-entry>

### Usage

```
<erp-ifbd-entry>
  <erp-ifbd-interface-name>
    erp-ifbd-interface-name
  </erp-ifbd-interface-name>
  <erp-ifbd-vlan>
    erp-ifbd-vlan
  </erp-ifbd-vlan>
  <erp-ifbd-stp-index>
```

```

    erp-ifbd-stp-index
  </erp-ifbd-stp-index>
  <erp-ifbd-bridge-domain>
    erp-ifbd-bridge-domain
  </erp-ifbd-bridge-domain>
</erp-ifbd-entry>

```

**Description** IFBD information controlled by a Ethernet Ring instance

### <erp-ifbd-entry>

#### Usage

```

<erp-ifbd-information>
  <erp-ifbds>
    <erp-ifbd-entries>
      <erp-ifbd-entry>
        <erp-ifbd-interface-name>
          erp-ifbd-interface-name
        </erp-ifbd-interface-name>
        <erp-ifbd-vlan>
          erp-ifbd-vlan
        </erp-ifbd-vlan>
        <erp-ifbd-stp-index>
          erp-ifbd-stp-index
        </erp-ifbd-stp-index>
        <erp-ifbd-bridge-domain>
          erp-ifbd-bridge-domain
        </erp-ifbd-bridge-domain>
      </erp-ifbd-entry>
    </erp-ifbd-entries>
  </erp-ifbds>
</erp-ifbd-information>

```

**Description** IFBD information controlled by a Ethernet Ring instance

### <erp-ifbd-information>

#### Usage

```

<erp-ifbd-information>
  <erp-ifbds>....</erp-ifbds>
</erp-ifbd-information>

```

**Description** IFBD information for one or more ethernet ring instances

### <erp-ifbds>

#### Usage

```

<erp-ifbd-information>
  <erp-ifbds>
    <erp-ifbd-protection-group-name>
      erp-ifbd-protection-group-name

```

```
</erp-ifbd-protection-group-name>
<erp-ifbd-entries>....</erp-ifbd-entries>
</erp-ifbds>
</erp-ifbd-information>
```

#### Description

### <erp-interface-entry>

#### Usage

```
<erp-interface-entry>
  <erp-interface-name>
    erp-interface-name
  </erp-interface-name>
  <control-channel-name>
    control-channel-name
  </control-channel-name>
  <forward-state>
    forward-state
  </forward-state>
  <rpl-end>
    rpl-end
  </rpl-end>
  <sf-flag>
    sf-flag
  </sf-flag>
  <interface-state>
    interface-state
  </interface-state>
</erp-interface-entry>
```

**Description** Information about Ethernet Ring port of a Ethernet Ring Protection group

### <erp-interface-entry>

#### Usage

```
<erp-interface-information>
  <ethernet-ring-pg>
    <erp-interfaces>
      <erp-interface-entry>
        <erp-interface-name>
          erp-interface-name
        </erp-interface-name>
        <control-channel-name>
          control-channel-name
        </control-channel-name>
        <forward-state>
          forward-state
        </forward-state>
        <rpl-end>
          rpl-end
        </rpl-end>
        <sf-flag>
```



```

        sf-flag
      </sf-flag>
    <interface-state>
      interface-state
    </interface-state>
  </erp-interface-entry>
</erp-interfaces>
</ethernet-ring-pg>
</erp-interface-information>

```

**Description** Information about Ethernet Ring port of a Ethernet Ring Protection group

### <erp-interface-information>

#### Usage

```

<erp-interface-information>
  <ethernet-ring-pg>....</ethernet-ring-pg>
</erp-interface-information>

```

**Description** Information about ring ports for one or more ethernet ring protection groups

### <erp-interfaces>

#### Usage

```

<erp-interface-information>
  <ethernet-ring-pg>
    <erp-interfaces>
      <erp-interface-entry>....</erp-interface-entry>
    </erp-interfaces>
  </ethernet-ring-pg>
</erp-interface-information>

```

**Description** Information about ring ports

### <erp-raps>

#### Usage

```

<erp-raps-information>
  <erp-raps>
    <erp-raps-entry>....</erp-raps-entry>
  </erp-raps>
</erp-raps-information>

```

**Description**

### <erp-raps-entry>

#### Usage

```

<erp-raps-entry>
  <protection-group-name>

```

```
    protection-group-name
  </protection-group-name>
  <aps-state>
    aps-state
  </aps-state>
  <aps-event>
    aps-event
  </aps-event>
  <rpl-owner>
    rpl-owner
  </rpl-owner>
  <wtr-timer>
    wtr-timer
  </wtr-timer>
  <guard-timer>
    guard-timer
  </guard-timer>
  <operation-state>
    operation-state
  </operation-state>
</erp-raps-entry>
```

**Description** Information about Ethernet Ring Automatic Protection Switching state machine of a protection group

### <erp-raps-entry>

#### Usage

```
<erp-raps-information>
  <erp-raps>
    <erp-raps-entry>
      <protection-group-name>
        protection-group-name
      </protection-group-name>
      <aps-state>
        aps-state
      </aps-state>
      <aps-event>
        aps-event
      </aps-event>
      <rpl-owner>
        rpl-owner
      </rpl-owner>
      <wtr-timer>
        wtr-timer
      </wtr-timer>
      <guard-timer>
        guard-timer
      </guard-timer>
      <operation-state>
        operation-state
      </operation-state>
    </erp-raps-entry>
  </erp-raps>
</erp-raps-information>
```

```
</erp-raps-information>
```

**Description** Information about Ethernet Ring Automatic Protection Switching state machine of a protection group

### <erp-raps-information>

#### Usage

```
<erp-raps-information>
  <erp-raps>....</erp-raps>
</erp-raps-information>
```

**Description** Information about RAPS state machine of one or more ethernet rings

### <erp-rpdu-entry>

#### Usage

```
<erp-rpdu-entry>
  <protection-group-name>
    protection-group-name
  </protection-group-name>
  <request-state>
    request-state
  </request-state>
  <dnf-flag>
    dnf-flag
  </dnf-flag>
  <rb-flag>
    rb-flag
  </rb-flag>
  <originator>
    originator
  </originator>
  <remote-node-id>
    remote-node-id
  </remote-node-id>
</erp-rpdu-entry>
```

**Description** Information about Ethernet Ring RAPS PDU of a Ethernet Ring Protection group

### <erp-rpdu-entry>

#### Usage

```
<erp-rpdu-information>
  <erp-rpdus>
    <erp-rpdu-entry>
      <protection-group-name>
        protection-group-name
      </protection-group-name>
      <request-state>
        request-state
```

```
</request-state>
<dnf-flag>
  dnf-flag
</dnf-flag>
<rb-flag>
  rb-flag
</rb-flag>
<originator>
  originator
</originator>
<remote-node-id>
  remote-node-id
</remote-node-id>
</erp-rpdu-entry>
</erp-rpdus>
</erp-rpdu-information>
```

**Description** Information about Ethernet Ring RAPS PDU of a Ethernet Ring Protection group

### <erp-rpdu-information>

#### Usage

```
<erp-rpdu-information>
  <erp-rpdus>....</erp-rpdus>
</erp-rpdu-information>
```

**Description** Information about one or more ethernet rings

### <erp-rpdus>

#### Usage

```
<erp-rpdu-information>
  <erp-rpdus>
    <erp-rpdu-entry>....</erp-rpdu-entry>
  </erp-rpdus>
</erp-rpdu-information>
```

#### Description

### <ethernet-ring-pg>

#### Usage

```
<erp-interface-information>
  <ethernet-ring-pg>
    <erp-protection-group-name>
      erp-protection-group-name
    </erp-protection-group-name>
    <erp-interfaces>....</erp-interfaces>
  </ethernet-ring-pg>
</erp-interface-information>
```

**Description****<ethernet-ring-statistics>****Usage**

```

<ethernet-ring-statistics>
  <protection-group-name>
    protection-group-name
  </protection-group-name>
  <raps-event-sent>
    raps-event-sent
  </raps-event-sent>
  <raps-event-received>
    raps-event-received
  </raps-event-received>
  <raps-local-sf>
    raps-local-sf
  </raps-local-sf>
  <raps-remote-sf>
    raps-remote-sf
  </raps-remote-sf>
  <raps-nr>
    raps-nr
  </raps-nr>
  <raps-nr-rb>
    raps-nr-rb
  </raps-nr-rb>
</ethernet-ring-statistics>

```

**Description** Ethernet Ring protection group statistics

**<interface>****Usage**

```

<dot1x-interface-information>
  <interface>
    <interface-name>
      interface-name
    </interface-name>
    <user-name>
      user-name
    </user-name>
    <user-mac-address>
      user-mac-address
    </user-mac-address>
    <role>
      role
    </role>
    <state>
      state
    </state>
    <administrative-state>
      administrative-state
    </administrative-state>
  </interface>
</dot1x-interface-information>

```

```
<administrative-mode>
  administrative-mode
</administrative-mode>
<number-of-retries>
  number-of-retries
</number-of-retries>
<quiet-period>
  quiet-period
</quiet-period>
<transmit-period>
  transmit-period
</transmit-period>
<reauthentication>
  reauthentication
</reauthentication>
<reauthentication-interval>
  reauthentication-interval
</reauthentication-interval>
<supplicant-timeout>
  supplicant-timeout
</supplicant-timeout>
<server-timeout>
  server-timeout
</server-timeout>
<max-eapol-request>
  max-eapol-request
</max-eapol-request>
<frame-control>
  frame-control
</frame-control>
<guest-vlan>
  guest-vlan
</guest-vlan>
<number-of-authentication-bypassed-clients>
  number-of-authentication-bypassed-clients
</number-of-authentication-bypassed-clients>
<static-mac-bypass>
  static-mac-bypass
</static-mac-bypass>
<number-of-connected-supplicants>
  number-of-connected-supplicants
</number-of-connected-supplicants>
<reauthentication-due>
  reauthentication-due
</reauthentication-due>
</interface>
</dot1x-interface-information>
```

#### Description

<l2pt-interface-entry>

#### Usage

```
<l2pt-interface-list>
  <l2pt-interface-entry>
```

```

<interface-name>
  interface-name
</interface-name>
<protocols>
  protocols
</protocols>
</l2pt-interface-entry>
</l2pt-interface-list>

```

**Description****<l2pt-interface-list>****Usage**

```

<l2pt-interface-list>
  <l2pt-interface-entry>....</l2pt-interface-entry>
</l2pt-interface-list>

```

**Description** L2PT interface information**<mmrp-applicant-entry>****Usage**

```

<mmrp-applicant-entry>
  <mmrp-applicant-mac-address>
    mmrp-applicant-mac-address
  </mmrp-applicant-mac-address>
  <mmrp-applicant-interface-name>
    mmrp-applicant-interface-name
  </mmrp-applicant-interface-name>
  <mmrp-applicant-state>
    mmrp-applicant-state
  </mmrp-applicant-state>
</mmrp-applicant-entry>

```

**Description** Information about Applicant state**<mmrp-applicant-entry>****Usage**

```

<mmrp-applicant-information>
  <mmrp-applicant-mmrip-instance>
    <mmrp-applicant-entry-information>
      <mmrp-applicant-entry>
        <mmrp-applicant-mac-address>
          mmrip-applicant-mac-address
        </mmrip-applicant-mac-address>
        <mmrip-applicant-interface-name>
          mmrip-applicant-interface-name
        </mmrip-applicant-interface-name>
        <mmrip-applicant-state>

```

```
        mmrp-applicant-state
      </mmrp-applicant-state>
    </mmrp-applicant-entry>
  </mmrp-applicant-entry-information>
</mmrp-applicant-mmrip-instance>
</mmrp-applicant-information>
```

**Description** Information about Applicant state

### <mmrp-applicant-entry-information>

**Usage**

```
<mmrp-applicant-information>
  <mmrp-applicant-mmrip-instance>
    <mmrp-applicant-entry-information>
      <mmrp-applicant-entry>....</mmrp-applicant-entry>
    </mmrp-applicant-entry-information>
  </mmrp-applicant-mmrip-instance>
</mmrp-applicant-information>
```

**Description** Applicant state information

### <mmrp-applicant-information>

**Usage**

```
<mmrp-applicant-information>
  <mmrp-applicant-mmrip-instance>....</mmrp-applicant-mmrip-instance>
</mmrp-applicant-information>
```

**Description** Information about multicast MAC Applicant state

### <mmrp-applicant-mmrip-instance>

**Usage**

```
<mmrp-applicant-information>
  <mmrp-applicant-mmrip-instance>
    <mmrp-applicant-instance-name>
      mmrip-applicant-instance-name
    </mmrp-applicant-instance-name>
    <mmrp-applicant-entry-information>....</mmrp-applicant-entry-information>
  </mmrp-applicant-mmrip-instance>
</mmrp-applicant-information>
```

**Description**

### <mmrip-interface-entry>

**Usage**

```
<mmrip-interface-entry>
  <mmrip-interface-interface-name>
```



```

    mmrp-interface-interface-name
  </mmrp-interface-interface-name>
  <mmrp-interface-state>
    mmrp-interface-state
  </mmrp-interface-state>
</mmrp-interface-entry>

```

**Description** Information about interface and state

### <mmrp-interface-entry>

#### Usage

```

<mmrp-interface-information>
  <mmrp-interface-mmrp-instance>
    <mmrp-interface-entry-information>
      <mmrp-interface-entry>
        <mmrp-interface-interface-name>
          mmrp-interface-interface-name
        </mmrp-interface-interface-name>
        <mmrp-interface-state>
          mmrp-interface-state
        </mmrp-interface-state>
      </mmrp-interface-entry>
    </mmrp-interface-entry-information>
  </mmrp-interface-mmrp-instance>
</mmrp-interface-information>

```

**Description** Information about interface and state

### <mmrp-interface-entry-information>

#### Usage

```

<mmrp-interface-information>
  <mmrp-interface-mmrp-instance>
    <mmrp-interface-entry-information>
      <mmrp-interface-entry>....</mmrp-interface-entry>
    </mmrp-interface-entry-information>
  </mmrp-interface-mmrp-instance>
</mmrp-interface-information>

```

**Description** Interface information

### <mmrp-interface-information>

#### Usage

```

<mmrp-interface-information>
  <mmrp-interface-mmrp-instance>....</mmrp-interface-mmrp-instance>
</mmrp-interface-information>

```

**Description** Information about interfaces

### <mmrp-interface-mmrp-instance>

**Usage**

```
<mmrp-interface-information>
  <mmrp-interface-mmrp-instance>
    <mmrp-interface-instance-name>
      mmrp-interface-instance-name
    </mmrp-interface-instance-name>
    <mmrp-interface-entry-information>....</mmrp-interface-entry-information>
  </mmrp-interface-mmrp-instance>
</mmrp-interface-information>
```

**Description**

### <mmrp-maclist-entry>

**Usage**

```
<mmrp-maclist-entry>
  <mmrp-maclist-mac-address>
    mmrp-maclist-mac-address
  </mmrp-maclist-mac-address>
  <mmrp-maclist-mac-type>
    mmrp-maclist-mac-type
  </mmrp-maclist-mac-type>
  <mmrp-maclist-mac-isid>
    mmrp-maclist-mac-isid
  </mmrp-maclist-mac-isid>
  <mmrp-maclist-mac-map_count>
    mmrp-maclist-mac-map_count
  </mmrp-maclist-mac-map_count>
</mmrp-maclist-entry>
```

**Description** Information about multicast MAC

### <mmrp-maclist-entry>

**Usage**

```
<mmrp-maclist-information>
  <mmrp-maclist-mmrp-instance>
    <mmrp-maclist-entry-information>
      <mmrp-maclist-entry>
        <mmrp-maclist-mac-address>
          mmrp-maclist-mac-address
        </mmrp-maclist-mac-address>
        <mmrp-maclist-mac-type>
          mmrp-maclist-mac-type
        </mmrp-maclist-mac-type>
        <mmrp-maclist-mac-isid>
          mmrp-maclist-mac-isid
        </mmrp-maclist-mac-isid>
        <mmrp-maclist-mac-map_count>
```

```

        mmrp-maclist-mac-map_count
      </mmrp-maclist-mac-map_count>
    </mmrp-maclist-entry>
  </mmrp-maclist-entry-information>
</mmrp-maclist-mmrip-instance>
</mmrp-maclist-information>

```

**Description** Information about multicast MAC

### <mmrp-maclist-entry-information>

#### Usage

```

<mmrp-maclist-information>
  <mmrp-maclist-mmrip-instance>
    <mmrp-maclist-entry-information>
      <mmrp-maclist-entry>....</mmrp-maclist-entry>
    </mmrp-maclist-entry-information>
  </mmrp-maclist-mmrip-instance>
</mmrp-maclist-information>

```

**Description** MAC list information

### <mmrp-maclist-information>

#### Usage

```

<mmrp-maclist-information>
  <mmrp-maclist-mmrip-instance>....</mmrp-maclist-mmrip-instance>
</mmrp-maclist-information>

```

**Description** Information about multicast MAC list

### <mmrp-maclist-mmrip-instance>

#### Usage

```

<mmrp-maclist-information>
  <mmrp-maclist-mmrip-instance>
    <mmrp-maclist-instance-name>
      mmrp-maclist-instance-name
    </mmrp-maclist-instance-name>
    <mmrp-maclist-entry-information>....</mmrp-maclist-entry-information>
  </mmrp-maclist-mmrip-instance>
</mmrp-maclist-information>

```

**Description**

### <mmrp-mactable-entry>

#### Usage

```

<mmrp-mactable-entry>
  <mmrp-mactable-mac-address>

```

```
    mmrp-mactable-mac-address
  </mmrp-mactable-mac-address>
  <mmrp-mactable-nexthop>
    mmrp-mactable-nexthop
  </mmrp-mactable-nexthop>
  <mmrp-mactable-token>
    mmrp-mactable-token
  </mmrp-mactable-token>
  <mmrp-mactable-interface>....</mmrp-mactable-interface>
</mmrp-mactable-entry>
```

**Description** Information about MAC table

### <mmrp-mactable-entry>

#### Usage

```
<mmrp-mactable-information>
  <mmrp-mactable-mmrip-instance>
    <mmrp-mactable-entry-information>
      <mmrp-mactable-entry>
        <mmrp-mactable-mac-address>
          mmrp-mactable-mac-address
        </mmrp-mactable-mac-address>
        <mmrp-mactable-nexthop>
          mmrp-mactable-nexthop
        </mmrp-mactable-nexthop>
        <mmrp-mactable-token>
          mmrp-mactable-token
        </mmrp-mactable-token>
        <mmrp-mactable-interface>....</mmrp-mactable-interface>
      </mmrp-mactable-entry>
    </mmrp-mactable-entry-information>
  </mmrp-mactable-mmrip-instance>
</mmrp-mactable-information>
```

**Description** Information about MAC table

### <mmrp-mactable-entry-information>

#### Usage

```
<mmrp-mactable-information>
  <mmrp-mactable-mmrip-instance>
    <mmrp-mactable-entry-information>
      <mmrp-mactable-entry>....</mmrp-mactable-entry>
    </mmrp-mactable-entry-information>
  </mmrp-mactable-mmrip-instance>
</mmrp-mactable-information>
```

**Description** MAC table information

### <mmrp-mactable-information>

#### Usage

```

<mmrp-mactable-information>
  <mmrp-mactable-mmrip-instance>....</mmrp-mactable-mmrip-instance>
</mmrp-mactable-information>

```

**Description** Information about multicast MAC table

### <mmrp-mactable-interface>

#### Usage

```

<mmrp-mactable-entry>
  <mmrp-mactable-interface>
    <mmrp-mactable-interface-name>
      mmrp-mactable-interface-name
    </mmrp-mactable-interface-name>
    <mmrp-mactable-interface-action>
      mmrp-mactable-interface-action
    </mmrp-mactable-interface-action>
  </mmrp-mactable-interface>
</mmrp-mactable-entry>

```

**Description**

### <mmrp-mactable-interface>

#### Usage

```

<mmrp-mactable-information>
  <mmrp-mactable-mmrip-instance>
    <mmrp-mactable-entry-information>
      <mmrp-mactable-entry>
        <mmrp-mactable-interface>
          <mmrp-mactable-interface-name>
            mmrp-mactable-interface-name
          </mmrp-mactable-interface-name>
          <mmrp-mactable-interface-action>
            mmrp-mactable-interface-action
          </mmrp-mactable-interface-action>
        </mmrp-mactable-interface>
      </mmrp-mactable-entry>
    </mmrp-mactable-entry-information>
  </mmrp-mactable-mmrip-instance>
</mmrp-mactable-information>

```

**Description**

### <mmrp-mactable-mmrip-instance>

#### Usage

```

<mmrp-mactable-information>
  <mmrp-mactable-mmrip-instance>

```

```
<mmrp-mactable-instance-name>
  mmrp-mactable-instance-name
</mmrp-mactable-instance-name>
<mmrp-mactable-bridge-domain-name>
  mmrp-mactable-bridge-domain-name
</mmrp-mactable-bridge-domain-name>
<mmrp-mactable-vlan-id>
  mmrp-mactable-vlan-id
</mmrp-mactable-vlan-id>
<mmrp-mactable-entry-information>....</mmrp-mactable-entry-information>
</mmrp-mactable-mmrp-instance>
</mmrp-mactable-information>
```

#### Description

### <mmrp-registration-entry>

#### Usage

```
<mmrp-registration-entry>
  <mmrp-registration-mac-address>
    mmrp-registration-mac-address
  </mmrp-registration-mac-address>
  <mmrp-registration-interface-name>
    mmrp-registration-interface-name
  </mmrp-registration-interface-name>
  <mmrp-registration-state>
    mmrp-registration-state
  </mmrp-registration-state>
  <mmrp-registration-forced-state>
    mmrp-registration-forced-state
  </mmrp-registration-forced-state>
  <mmrp-registration-manage-state>
    mmrp-registration-manage-state
  </mmrp-registration-manage-state>
  <mmrp-registration-stp-state>
    mmrp-registration-stp-state
  </mmrp-registration-stp-state>
</mmrp-registration-entry>
```

**Description** Information about registration state

### <mmrp-registration-entry>

#### Usage

```
<mmrp-registration-information>
  <mmrp-registration-mmrp-instance>
    <mmrp-registration-entry-information>
      <mmrp-registration-entry>
        <mmrp-registration-mac-address>
          mmrp-registration-mac-address
        </mmrp-registration-mac-address>
        <mmrp-registration-interface-name>
          mmrp-registration-interface-name
```

```

</mmrp-registration-interface-name>
<mmrp-registration-state>
  mmrp-registration-state
</mmrp-registration-state>
<mmrp-registration-forced-state>
  mmrp-registration-forced-state
</mmrp-registration-forced-state>
<mmrp-registration-manage-state>
  mmrp-registration-manage-state
</mmrp-registration-manage-state>
<mmrp-registration-stp-state>
  mmrp-registration-stp-state
</mmrp-registration-stp-state>
</mmrp-registration-entry>
</mmrp-registration-entry-information>
</mmrp-registration-mmrip-instance>
</mmrp-registration-information>

```

**Description** Information about registration state

### <mmrp-registration-entry-information>

#### Usage

```

<mmrp-registration-information>
  <mmrp-registration-mmrip-instance>
    <mmrp-registration-entry-information>
      <mmrp-registration-entry>....</mmrp-registration-entry>
    </mmrp-registration-entry-information>
  </mmrp-registration-mmrip-instance>
</mmrp-registration-information>

```

**Description** Registration state information

### <mmrp-registration-information>

#### Usage

```

<mmrp-registration-information>
  <mmrp-registration-mmrip-instance>....</mmrp-registration-mmrip-instance>
</mmrp-registration-information>

```

**Description** Information about multicast MAC Registration state

### <mmrp-registration-mmrip-instance>

#### Usage

```

<mmrp-registration-information>
  <mmrp-registration-mmrip-instance>
    <mmrp-registration-instance-name>
      mmrp-registration-instance-name
    </mmrp-registration-instance-name>
  <mmrp-registration-entry-information>....</mmrp-registration-entry-information>

```

```
</mmrp-registration-mmrip-instance>
</mmrp-registration-information>
```

#### Description

### <mmrp-statistics-entry>

#### Usage

```
<mmrp-statistics-entry>
  <mmrp-statistics-interface-name>
    mmrip-statistics-interface-name
  </mmrp-statistics-interface-name>
  <mmrp-statistics-mac-registered>
    mmrip-statistics-mac-registered
  </mmrp-statistics-mac-registered>
  <mmrp-statistics-sent-pdu>
    mmrip-statistics-sent-pdu
  </mmrp-statistics-sent-pdu>
  <mmrp-statistics-received-pdu>
    mmrip-statistics-received-pdu
  </mmrp-statistics-received-pdu>
  <mmrp-statistics-error-pdu>
    mmrip-statistics-error-pdu
  </mmrp-statistics-error-pdu>
</mmrp-statistics-entry>
```

Description    Statistics Information

### <mmrp-statistics-entry>

#### Usage

```
<mmrp-statistics-information>
  <mmrp-statistics-mmrip-instance>
    <mmrp-statistics-entry-information>
      <mmrp-statistics-entry>
        <mmrp-statistics-interface-name>
          mmrip-statistics-interface-name
        </mmrp-statistics-interface-name>
        <mmrp-statistics-mac-registered>
          mmrip-statistics-mac-registered
        </mmrp-statistics-mac-registered>
        <mmrp-statistics-sent-pdu>
          mmrip-statistics-sent-pdu
        </mmrp-statistics-sent-pdu>
        <mmrp-statistics-received-pdu>
          mmrip-statistics-received-pdu
        </mmrp-statistics-received-pdu>
        <mmrp-statistics-error-pdu>
          mmrip-statistics-error-pdu
        </mmrp-statistics-error-pdu>
      </mmrp-statistics-entry>
    </mmrp-statistics-entry-information>
  </mmrp-statistics-mmrip-instance>
</mmrp-statistics-information>
```



```

    </mmrp-statistics-mmrip-instance>
  </mmrp-statistics-information>

```

**Description** Statistics Information

### <mmrp-statistics-entry-information>

#### Usage

```

<mmrp-statistics-information>
  <mmrp-statistics-mmrip-instance>
    <mmrp-statistics-entry-information>
      <mmrp-statistics-entry>....</mmrp-statistics-entry>
    </mmrp-statistics-entry-information>
  </mmrp-statistics-mmrip-instance>
</mmrp-statistics-information>

```

**Description** Statistics information

### <mmrp-statistics-information>

#### Usage

```

<mmrp-statistics-information>
  <mmrp-statistics-mmrip-instance>....</mmrp-statistics-mmrip-instance>
</mmrp-statistics-information>

```

**Description** Information about multicast MAC statistics state

### <mmrp-statistics-mmrip-instance>

#### Usage

```

<mmrp-statistics-information>
  <mmrp-statistics-mmrip-instance>
    <mmrp-statistics-instance-name>
      mmrp-statistics-instance-name
    </mmrp-statistics-instance-name>
    <mmrp-statistics-entry-information>....</mmrp-statistics-entry-information>
  </mmrp-statistics-mmrip-instance>
</mmrp-statistics-information>

```

**Description**

### <msti-bridge-parameters>

#### Usage

```

<msti-bridge-parameters>
  <msti-id>
    msti-id
  </msti-id>
  <msti-regional-root-bridge>....</msti-regional-root-bridge>
  <root-port>

```

```
    root-port
  </root-port>
  <root-cost>
    root-cost
  </root-cost>
  <hello-time-learned>
    hello-time-learned
  </hello-time-learned>
  <max-age-learned>
    max-age-learned
  </max-age-learned>
  <forward-delay-learned>
    forward-delay-learned
  </forward-delay-learned>
  <max-hop-count-configured>
    max-hop-count-configured
  </max-hop-count-configured>
  <hop-count>
    hop-count
  </hop-count>
  <time-since-last-tc>
    time-since-last-tc
  </time-since-last-tc>
  <topology-change-count>
    topology-change-count
  </topology-change-count>
  <extended-system-id>
    extended-system-id
  </extended-system-id>
  <this-bridge>....</this-bridge>
  <hello-time-configured>
    hello-time-configured
  </hello-time-configured>
  <max-age-configured>
    max-age-configured
  </max-age-configured>
  <forward-delay-configured>
    forward-delay-configured
  </forward-delay-configured>
  <path-cost-method>
    path-cost-method
  </path-cost-method>
</msti-bridge-parameters>
```

**Description** STP bridge parameters for Multiple Spanning Tree instances

### <msti-bridge-parameters>

#### Usage

```
<stp-bridge>
  <msti-bridge-parameters>
    <msti-id>
      msti-id
    </msti-id>
```

```

<msti-regional-root-bridge>....</msti-regional-root-bridge>
<root-port>
  root-port
</root-port>
<root-cost>
  root-cost
</root-cost>
<hello-time-learned>
  hello-time-learned
</hello-time-learned>
<max-age-learned>
  max-age-learned
</max-age-learned>
<forward-delay-learned>
  forward-delay-learned
</forward-delay-learned>
<max-hop-count-configured>
  max-hop-count-configured
</max-hop-count-configured>
<hop-count>
  hop-count
</hop-count>
<time-since-last-tc>
  time-since-last-tc
</time-since-last-tc>
<topology-change-count>
  topology-change-count
</topology-change-count>
<extended-system-id>
  extended-system-id
</extended-system-id>
<this-bridge>....</this-bridge>
<hello-time-configured>
  hello-time-configured
</hello-time-configured>
<max-age-configured>
  max-age-configured
</max-age-configured>
<forward-delay-configured>
  forward-delay-configured
</forward-delay-configured>
<path-cost-method>
  path-cost-method
</path-cost-method>
</msti-bridge-parameters>
</stp-bridge>

```

**Description** STP bridge parameters for Multiple Spanning Tree instances

### <msti-regional-root-bridge>

#### Usage

```

<msti-bridge-parameters>
  <msti-regional-root-bridge>

```

```
<bridge-priority>
  bridge-priority
</bridge-priority>
<bridge-mac>
  bridge-mac
</bridge-mac>
</msti-regional-root-bridge>
</msti-bridge-parameters>
```

**Description** MSTI regional root identifier

### <msti-regional-root-bridge>

#### Usage

```
<stp-bridge>
<msti-bridge-parameters>
  <msti-regional-root-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </msti-regional-root-bridge>
</msti-bridge-parameters>
</stp-bridge>
```

**Description** MSTI regional root identifier

### <mstp-configuration>

#### Usage

```
<mstp-configuration>
<context-id>
  context-id
</context-id>
<mstp-name>
  mstp-name
</mstp-name>
<mstp-revision>
  mstp-revision
</mstp-revision>
<mstp-configuration-digest>
  mstp-configuration-digest
</mstp-configuration-digest>
<vlan-map>....</vlan-map>
</mstp-configuration>
```

**Description** Information about Multiple Spanning Tree protocol configuration

## <mvrp>

### Usage

```

<mvrp>
  <mvrp-information>....</mvrp-information>
  <mvrp-vlans>....</mvrp-vlans>
  <mvrp-dynamic-vlan-information>....</mvrp-dynamic-vlan-information>
  <mvrp-statistics>....</mvrp-statistics>
</mvrp>

```

### Description

## <mvrp-dynamic-vlan-information>

### Usage

```

<mvrp>
  <mvrp-dynamic-vlan-information>
    <mvrp-vmember-vlanname>
      mvrp-vmember-vlanname
    </mvrp-vmember-vlanname>
    <mvrp-dynamic-vmembers>....</mvrp-dynamic-vmembers>
  </mvrp-dynamic-vlan-information>
</mvrp>

```

### Description

## <mvrp-dynamic-vmember-information>

### Usage

```

<mvrp>
  <mvrp-vlans>
    <mvrp-dynamic-vmember-information>
      <mvrp-vmember-name>
        mvrp-vmember-name
      </mvrp-vmember-name>
    </mvrp-dynamic-vmember-information>
  </mvrp-vlans>
</mvrp>

```

### Description

## <mvrp-dynamic-vmembers>

### Usage

```

<mvrp>
  <mvrp-dynamic-vlan-information>
    <mvrp-dynamic-vmembers>
      <mvrp-vmember-interface>
        mvrp-vmember-interface
      </mvrp-vmember-interface>
    </mvrp-dynamic-vmembers>
  </mvrp-dynamic-vlan-information>

```

```
</mvrp>
```

#### Description

### <mvrp-information>

#### Usage

```
<mvrp>
  <mvrp-information>
    <mvrp-status>
      mvrp-status
    </mvrp-status>
    <mvrp-dynamic-vlan>
      mvrp-dynamic-vlan
    </mvrp-dynamic-vlan>
    <mvrp-intf-timers>....</mvrp-intf-timers>
    <mvrp-interface-information>....</mvrp-interface-information>
  </mvrp-information>
</mvrp>
```

#### Description

### <mvrp-interface-information>

#### Usage

```
<mvrp>
  <mvrp-information>
    <mvrp-interface-information>
      <mvrp-interface-name>
        mvrp-interface-name
      </mvrp-interface-name>
      <mvrp-interface-status>
        mvrp-interface-status
      </mvrp-interface-status>
      <mvrp-interface-reg-ctrl>
        mvrp-interface-reg-ctrl
      </mvrp-interface-reg-ctrl>
    </mvrp-interface-information>
  </mvrp-information>
</mvrp>
```

#### Description

### <mvrp-intf-timers>

#### Usage

```
<mvrp>
  <mvrp-information>
    <mvrp-intf-timers>
      <mvrp-tmr-intf>
        mvrp-tmr-intf
      </mvrp-tmr-intf>
    <mvrp-tmr-join>
```

```

    mvrp-tmr-join
  </mvrp-tmr-join>
  <mvrp-tmr-leave>
    mvrp-tmr-leave
  </mvrp-tmr-leave>
  <mvrp-tmr-leaveall>
    mvrp-tmr-leaveall
  </mvrp-tmr-leaveall>
</mvrp-intf-timers>
</mvrp-information>
</mvrp>

```

## Description

### <mvrp-statistics>

#### Usage

```

<mvrp>
  <mvrp-statistics>
    <mvrp-statistics-interface-name>
      mvrp-statistics-interface-name
    </mvrp-statistics-interface-name>
    <mrpdu-received>
      mrpdu-received
    </mrpdu-received>
    <mrp-invalid-received>
      mrp-invalid-received
    </mrp-invalid-received>
    <mrp-new-received>
      mrp-new-received
    </mrp-new-received>
    <mrp-join-empty-received>
      mrp-join-empty-received
    </mrp-join-empty-received>
    <mrp-join-in-received>
      mrp-join-in-received
    </mrp-join-in-received>
    <mrp-empty-received>
      mrp-empty-received
    </mrp-empty-received>
    <mrp-in-received>
      mrp-in-received
    </mrp-in-received>
    <mrp-leave-received>
      mrp-leave-received
    </mrp-leave-received>
    <mrp-leaveall-received>
      mrp-leaveall-received
    </mrp-leaveall-received>
    <mrpdu-transmit>
      mrpdu-transmit
    </mrpdu-transmit>
    <mrpdu-tx-fail>
      mrpdu-tx-fail
    </mrpdu-tx-fail>
  </mvrp-statistics>
</mvrp>

```

```
<mrp-new-transmit>
  mrp-new-transmit
</mrp-new-transmit>
<mrp-join-empty-transmit>
  mrp-join-empty-transmit
</mrp-join-empty-transmit>
<mrp-join-in-transmit>
  mrp-join-in-transmit
</mrp-join-in-transmit>
<mrp-empty-transmit>
  mrp-empty-transmit
</mrp-empty-transmit>
<mrp-in-transmit>
  mrp-in-transmit
</mrp-in-transmit>
<mrp-leave-transmit>
  mrp-leave-transmit
</mrp-leave-transmit>
<mrp-leaveall-transmit>
  mrp-leaveall-transmit
</mrp-leaveall-transmit>
</mvrp-statistics>
</mvrp>
```

#### Description

### <mvrp-vlans>

#### Usage

```
<mvrp>
  <mvrp-vlans>
    <mvrp-vlan-id>
      mvrp-vlan-id
    </mvrp-vlan-id>

  <mvrp-dynamic-vmember-information>....</mvrp-dynamic-vmember-information>
  </mvrp-vlans>
</mvrp>
```

#### Description

### <regional-root-bridge>

#### Usage

```
<cist-bridge-parameters>
  <regional-root-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </regional-root-bridge>
```



```
</cist-bridge-parameters>
```

**Description** CIST regional root bridge identifier

### <regional-root-bridge>

#### Usage

```
<stp-bridge>
<cist-bridge-parameters>
<regional-root-bridge>
<bridge-priority>
  bridge-priority
</bridge-priority>
<bridge-mac>
  bridge-mac
</bridge-mac>
</regional-root-bridge>
</cist-bridge-parameters>
</stp-bridge>
```

**Description** CIST regional root bridge identifier

### <root-bridge>

#### Usage

```
<cist-bridge-parameters>
<root-bridge>
<bridge-priority>
  bridge-priority
</bridge-priority>
<bridge-mac>
  bridge-mac
</bridge-mac>
</root-bridge>
</cist-bridge-parameters>
```

**Description** Root bridge identifier

### <root-bridge>

#### Usage

```
<vst-bridge-parameters>
<root-bridge>
<bridge-priority>
  bridge-priority
</bridge-priority>
<bridge-mac>
  bridge-mac
</bridge-mac>
</root-bridge>
```

```
</vst-bridge-parameters>
```

**Description** Root bridge identifier

### <root-bridge>

**Usage**

```
<stp-bridge>
  <cist-bridge-parameters>
    <root-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </root-bridge>
  </cist-bridge-parameters>
</stp-bridge>
```

**Description** Root bridge identifier

### <root-bridge>

**Usage**

```
<stp-bridge>
  <vst-bridge-parameters>
    <root-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </root-bridge>
  </vst-bridge-parameters>
</stp-bridge>
```

**Description** Root bridge identifier

### <stp-bridge>

**Usage**

```
<stp-bridge>
  <routing-instance-name>
    routing-instance-name
  </routing-instance-name>
  <context-id>
    context-id
  </context-id>
  <bpd-destination-mac-address>
```

```

        bpdudestinationmacaddress
      </bpdudestinationmacaddress>
    <protocol>
      protocol
    </protocol>
    <cist-bridge-parameters>....</cist-bridge-parameters>
    <msti-bridge-parameters>....</msti-bridge-parameters>
    <vst-bridge-parameters>....</vst-bridge-parameters>
  </stp-bridge>

```

**Description** Information about STP bridge parameters

### <stp-context-statistics-information>

#### Usage

```

<stp-context-statistics-information>
  <message-type>
    message-type
  </message-type>
  <total-bpdus-sent>
    total-bpdus-sent
  </total-bpdus-sent>
  <total-bpdus-received>
    total-bpdus-received
  </total-bpdus-received>
  <bpdus-sent-5seconds>
    bpdus-sent-5seconds
  </bpdus-sent-5seconds>
  <bpdus-received-5seconds>
    bpdus-received-5seconds
  </bpdus-received-5seconds>
  <vstp-statistics>....</vstp-statistics>
</stp-context-statistics-information>

```

**Description** Spanning Tree Protocol statistics at routing instance level

### <stp-instance>

#### Usage

```

<stp-interface-information>
  <stp-instance>
    <instance-id>
      instance-id
    </instance-id>
    <vlan-id>
      vlan-id
    </vlan-id>
    <stp-interfaces>....</stp-interfaces>
  </stp-instance>
</stp-interface-information>

```

**Description****<stp-interface-entry>****Usage**

```
<stp-interface-entry>
  <interface-name>
    interface-name
  </interface-name>
  <port-priority>
    port-priority
  </port-priority>
  <port-number>
    port-number
  </port-number>
  <designated-port-priority>
    designated-port-priority
  </designated-port-priority>
  <designated-port-number>
    designated-port-number
  </designated-port-number>
  <port-cost>
    port-cost
  </port-cost>
  <port-state>
    port-state
  </port-state>
  <designated-bridge-priority>
    designated-bridge-priority
  </designated-bridge-priority>
  <designated-bridge-mac>
    designated-bridge-mac
  </designated-bridge-mac>
  <port-role>
    port-role
  </port-role>
  <link-type>
    link-type
  </link-type>
  <port-migrated-protocol>
    port-migrated-protocol
  </port-migrated-protocol>
  <boundary-port>
    boundary-port
  </boundary-port>
</stp-interface-entry>
```

**Description** Information about Spanning Tree Protocol interface

**<stp-interface-entry>****Usage**

```
<stp-interface-information>
  <stp-instance>
```

```

<stp-interfaces>
  <stp-interface-entry>
    <interface-name>
      interface-name
    </interface-name>
    <port-priority>
      port-priority
    </port-priority>
    <port-number>
      port-number
    </port-number>
    <designated-port-priority>
      designated-port-priority
    </designated-port-priority>
    <designated-port-number>
      designated-port-number
    </designated-port-number>
    <port-cost>
      port-cost
    </port-cost>
    <port-state>
      port-state
    </port-state>
    <designated-bridge-priority>
      designated-bridge-priority
    </designated-bridge-priority>
    <designated-bridge-mac>
      designated-bridge-mac
    </designated-bridge-mac>
    <port-role>
      port-role
    </port-role>
    <link-type>
      link-type
    </link-type>
    <port-migrated-protocol>
      port-migrated-protocol
    </port-migrated-protocol>
    <boundary-port>
      boundary-port
    </boundary-port>
  </stp-interface-entry>
</stp-interfaces>
</stp-instance>
</stp-interface-information>

```

**Description** Information about Spanning Tree Protocol interface

### <stp-interface-information>

#### Usage

```

<stp-interface-information>
  <stp-instance>....</stp-instance>

```

</stp-interface-information>

**Description** Information about one or more Spanning Tree Protocol interfaces for one or more Spanning Tree Protocol instances

### <stp-interface-statistics>

#### Usage

```
<stp-interface-statistics>
  <stp-interface-statistics-entry>....</stp-interface-statistics-entry>
  <vstp-interface-statistics>....</vstp-interface-statistics>
</stp-interface-statistics>
```

**Description** Statistics information about one or more STP interfaces

### <stp-interface-statistics-entry>

#### Usage

```
<stp-interface-statistics-entry>
  <interface-name>
    interface-name
  </interface-name>
  <total-bpdus-sent>
    total-bpdus-sent
  </total-bpdus-sent>
  <total-bpdus-received>
    total-bpdus-received
  </total-bpdus-received>
  <next-bpdu-time>
    next-bpdu-time
  </next-bpdu-time>
</stp-interface-statistics-entry>
```

**Description** Spanning Tree Protocol interface statistics

### <stp-interface-statistics-entry>

#### Usage

```
<stp-interface-statistics>
  <stp-interface-statistics-entry>
    <interface-name>
      interface-name
    </interface-name>
    <total-bpdus-sent>
      total-bpdus-sent
    </total-bpdus-sent>
    <total-bpdus-received>
      total-bpdus-received
    </total-bpdus-received>
    <next-bpdu-time>
      next-bpdu-time
  </stp-interface-statistics-entry>
```

```

    </next-bpdu-time>
  </stp-interface-statistics-entry>
</stp-interface-statistics>

```

**Description** Spanning Tree Protocol interface statistics

### <stp-interface-statistics-entry>

#### Usage

```

<stp-interface-statistics>
  <vstp-interface-statistics>
    <stp-interface-statistics-entry>
      <interface-name>
        interface-name
      </interface-name>
      <total-bpdus-sent>
        total-bpdus-sent
      </total-bpdus-sent>
      <total-bpdus-received>
        total-bpdus-received
      </total-bpdus-received>
      <next-bpdu-time>
        next-bpdu-time
      </next-bpdu-time>
    </stp-interface-statistics-entry>
  </vstp-interface-statistics>
</stp-interface-statistics>

```

**Description** Spanning Tree Protocol interface statistics

### <stp-interfaces>

#### Usage

```

<stp-interface-information>
  <stp-instance>
    <stp-interfaces>
      <stp-interface-entry>....</stp-interface-entry>
    </stp-interfaces>
  </stp-instance>
</stp-interface-information>

```

**Description** Information about one or more Spanning Tree Protocol interfaces

### <stp-kernel-table>

#### Usage

```

<stp-kernel-table>
  <stp-kernel-table-entry>....</stp-kernel-table-entry>
</stp-kernel-table>

```

**Description** Information about Spanning Tree Protocol kernel table

### <stp-kernel-table-entry>

#### Usage

```
<stp-kernel-table>
  <stp-kernel-table-entry>
    <stp-index>
      stp-index
    </stp-index>
    <kernel-if-name>
      kernel-if-name
    </kernel-if-name>
    <kernel-stp-instance>
      kernel-stp-instance
    </kernel-stp-instance>
    <kernel-state>
      kernel-state
    </kernel-state>
    <kernel-action>
      kernel-action
    </kernel-action>
    <epoch>
      epoch
    </epoch>
    <hardware-learning>
      hardware-learning
    </hardware-learning>
    <vpls-flush-sequence>
      vpls-flush-sequence
    </vpls-flush-sequence>
    <stp-peer-ip>
      stp-peer-ip
    </stp-peer-ip>
  </stp-kernel-table-entry>
</stp-kernel-table>
```

#### Description

### <task>

#### Usage

```
<task-information>
  <task>
    <task-name>
      task-name
    </task-name>
    <task-no-information>
      task-no-information
    </task-no-information>
    <task-timer>.....</task-timer>
  </task>
</task-information>
```



## Description

## &lt;task&gt;

## Usage

```

<task-timer-information>
  <task>
    <task-name>
      task-name
    </task-name>
    <task-no-information>
      task-no-information
    </task-no-information>
    <task-timer>....</task-timer>
  </task>
</task-timer-information>

```

## Description

## &lt;task-block&gt;

## Usage

```

<task-block-list>
  <task-block>
    <tb-name>
      tb-name
    </tb-name>
    <tb-size>
      tb-size
    </tb-size>
    <tb-alloc-size>
      tb-alloc-size
    </tb-alloc-size>
    <tb-terse-transient>
      tb-terse-transient
    </tb-terse-transient>
    <tb-terse-fullpage>
      tb-terse-fullpage
    </tb-terse-fullpage>
    <tb-terse-debug>
      tb-terse-debug
    </tb-terse-debug>
    <tb-alloc-blocks>
      tb-alloc-blocks
    </tb-alloc-blocks>
    <tb-alloc-bytes>
      tb-alloc-bytes
    </tb-alloc-bytes>
    <tb-max-alloc-blocks>
      tb-max-alloc-blocks
    </tb-max-alloc-blocks>
    <tb-max-alloc-bytes>
      tb-max-alloc-bytes
    </tb-max-alloc-bytes>
  </task-block>

```

</task-block-list>

#### Description

#### <task-block>

#### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>
      <task-block>
        <tb-name>
          tb-name
        </tb-name>
        <tb-size>
          tb-size
        </tb-size>
        <tb-alloc-size>
          tb-alloc-size
        </tb-alloc-size>
        <tb-terse-transient>
          tb-terse-transient
        </tb-terse-transient>
        <tb-terse-fullpage>
          tb-terse-fullpage
        </tb-terse-fullpage>
        <tb-terse-debug>
          tb-terse-debug
        </tb-terse-debug>
        <tb-alloc-blocks>
          tb-alloc-blocks
        </tb-alloc-blocks>
        <tb-alloc-bytes>
          tb-alloc-bytes
        </tb-alloc-bytes>
        <tb-max-alloc-blocks>
          tb-max-alloc-blocks
        </tb-max-alloc-blocks>
        <tb-max-alloc-bytes>
          tb-max-alloc-bytes
        </tb-max-alloc-bytes>
      </task-block>
    </task-block-list>
  </task-memory-allocator-report>
</task-memory-information>
```

#### Description

#### <task-block-list>

#### Usage

```
<task-block-list>
  <task-block>....</task-block>
```

</task-block-list>

#### Description

<task-block-list>

#### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>
      <task-block>....</task-block>
    </task-block-list>
  </task-memory-allocator-report>
</task-memory-information>
```

#### Description

<task-information>

#### Usage

```
<task-information>
  <task>....</task>
</task-information>
```

#### Description

<task-lite-page>

#### Usage

```
<task-lite-page-list>
  <task-lite-page>
    <tlp-name>
      tlp-name
    </tlp-name>
    <tlp-alloc-pages>
      tlp-alloc-pages
    </tlp-alloc-pages>
    <tlp-alloc-bytes>
      tlp-alloc-bytes
    </tlp-alloc-bytes>
    <tlp-max-alloc-pages>
      tlp-max-alloc-pages
    </tlp-max-alloc-pages>
    <tlp-max-alloc-bytes>
      tlp-max-alloc-bytes
    </tlp-max-alloc-bytes>
  </task-lite-page>
</task-lite-page-list>
```

#### Description

## <task-lite-page>

### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>
        <tlp-name>
          tlp-name
        </tlp-name>
        <tlp-alloc-pages>
          tlp-alloc-pages
        </tlp-alloc-pages>
        <tlp-alloc-bytes>
          tlp-alloc-bytes
        </tlp-alloc-bytes>
        <tlp-max-alloc-pages>
          tlp-max-alloc-pages
        </tlp-max-alloc-pages>
        <tlp-max-alloc-bytes>
          tlp-max-alloc-bytes
        </tlp-max-alloc-bytes>
      </task-lite-page>
    </task-lite-page-list>
  </task-memory-allocator-report>
</task-memory-information>
```

### Description

## <task-lite-page-list>

### Usage

```
<task-lite-page-list>
  <task-lite-page>....</task-lite-page>
</task-lite-page-list>
```

### Description

## <task-lite-page-list>

### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>....</task-lite-page>
    </task-lite-page-list>
  </task-memory-allocator-report>
</task-memory-information>
```

### Description

## <task-malloc>

### Usage

```

<task-malloc-list>
  <task-malloc>
    <tm-name>
      tm-name
    </tm-name>
    <tm-allocs>
      tm-allocs
    </tm-allocs>
    <tm-alloc-bytes>
      tm-alloc-bytes
    </tm-alloc-bytes>
    <tm-max-allocs>
      tm-max-allocs
    </tm-max-allocs>
    <tm-max-alloc-bytes>
      tm-max-alloc-bytes
    </tm-max-alloc-bytes>
    <tm-function-calls>
      tm-function-calls
    </tm-function-calls>
  </task-malloc>
</task-malloc-list>

```

### Description

## <task-malloc>

### Usage

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>
        <tm-name>
          tm-name
        </tm-name>
        <tm-allocs>
          tm-allocs
        </tm-allocs>
        <tm-alloc-bytes>
          tm-alloc-bytes
        </tm-alloc-bytes>
        <tm-max-allocs>
          tm-max-allocs
        </tm-max-allocs>
        <tm-max-alloc-bytes>
          tm-max-alloc-bytes
        </tm-max-alloc-bytes>
        <tm-function-calls>
          tm-function-calls
        </tm-function-calls>
      </task-malloc>
    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

```

    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

#### Description

#### <task-malloc-list>

##### Usage

```

<task-malloc-list>
  <task-malloc>....</task-malloc>
</task-malloc-list>

```

#### Description

#### <task-malloc-list>

##### Usage

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>....</task-malloc>
    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

#### Description

#### <task-memory-allocator-report>

##### Usage

```

<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>....</task-block-list>
    <task-lite-page-list>....</task-lite-page-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-allocator-report>
</task-memory-information>

```

#### Description

#### <task-memory-information>

##### Usage

```

<task-memory-information>
  <task-memory-in-use-size>
    task-memory-in-use-size

```

```

</task-memory-in-use-size>
<task-memory-in-use-avail>
  task-memory-in-use-avail
</task-memory-in-use-avail>
<task-memory-max-size>
  task-memory-max-size
</task-memory-max-size>
<task-memory-max-avail>
  task-memory-max-avail
</task-memory-max-avail>
<task-memory-max-when>
  task-memory-max-when
</task-memory-max-when>
<task-memory-free-size>
  task-memory-free-size
</task-memory-free-size>
<task-memory-overall-report>....</task-memory-overall-report>
<task-memory-allocator-report>....</task-memory-allocator-report>
<task-memory-malloc-usage-report>....</task-memory-malloc-usage-report>
<task-memory-dynamic-allocs>
  task-memory-dynamic-allocs
</task-memory-dynamic-allocs>
<task-memory-max-dynamic-allocs>
  task-memory-max-dynamic-allocs
</task-memory-max-dynamic-allocs>
<task-memory-bss-bytes>
  task-memory-bss-bytes
</task-memory-bss-bytes>
<task-memory-max-bss-bytes>
  task-memory-max-bss-bytes
</task-memory-max-bss-bytes>
<task-memory-page-data-bytes>
  task-memory-page-data-bytes
</task-memory-page-data-bytes>
<task-memory-max-page-data-bytes>
  task-memory-max-page-data-bytes
</task-memory-max-page-data-bytes>
<task-memory-dir-bytes>
  task-memory-dir-bytes
</task-memory-dir-bytes>
<task-memory-max-dir-bytes>
  task-memory-max-dir-bytes
</task-memory-max-dir-bytes>
<task-memory-total-bytes-in-use>
  task-memory-total-bytes-in-use
</task-memory-total-bytes-in-use>
<task-memory-total-bytes-percent>
  task-memory-total-bytes-percent
</task-memory-total-bytes-percent>
</task-memory-information>

```

## Description

## <task-memory-malloc-usage-report>

### Usage

```
<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>....</task-malloc-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-malloc-usage-report>
</task-memory-information>
```

### Description

## <task-memory-overall-report>

### Usage

```
<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>....</task-size-block-list>
    <task-memory-stats-list>....</task-memory-stats-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
    <task-memory-total-free-bytes>
      task-memory-total-free-bytes
    </task-memory-total-free-bytes>
  </task-memory-overall-report>
</task-memory-information>
```

### Description

## <task-memory-stats>

### Usage

```
<task-memory-stats>
  <tms-name>
    tms-name
  </tms-name>
  <tms-allocs>
    tms-allocs
  </tms-allocs>
  <tms-mallocs>
    tms-mallocs
  </tms-mallocs>
  <tms-alloc-bytes>
    tms-alloc-bytes
```



```

</tms-alloc-bytes>
<tms-max-allocs>
  tms-max-allocs
</tms-max-allocs>
<tms-max-bytes>
  tms-max-bytes
</tms-max-bytes>
<tms-free-bytes>
  tms-free-bytes
</tms-free-bytes>
</task-memory-stats>

```

#### Description

### <task-memory-stats>

#### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-memory-stats-list>
      <task-memory-stats>
        <tms-name>
          tms-name
        </tms-name>
        <tms-allocs>
          tms-allocs
        </tms-allocs>
        <tms-mallocs>
          tms-mallocs
        </tms-mallocs>
        <tms-alloc-bytes>
          tms-alloc-bytes
        </tms-alloc-bytes>
        <tms-max-allocs>
          tms-max-allocs
        </tms-max-allocs>
        <tms-max-bytes>
          tms-max-bytes
        </tms-max-bytes>
        <tms-free-bytes>
          tms-free-bytes
        </tms-free-bytes>
      </task-memory-stats>
    </task-memory-stats-list>
  </task-memory-overall-report>
</task-memory-information>

```

#### Description

### <task-memory-stats-list>

#### Usage

```

<task-memory-information>
  <task-memory-overall-report>

```

```
<task-memory-stats-list>
  <task-memory-stats>....</task-memory-stats>
</task-memory-stats-list>
</task-memory-overall-report>
</task-memory-information>
```

#### Description

### <task-replication-state>

#### Usage

```
<task-replication-state>
  <task-gres-state>
    task-gres-state
  </task-gres-state>
  <task-re-mode>
    task-re-mode
  </task-re-mode>
  <task-protocol-replication-state>
    task-protocol-replication-state
  </task-protocol-replication-state>
  <task-protocol-replication-name>
    task-protocol-replication-name
  </task-protocol-replication-name>
</task-replication-state>
```

**Description**    Current state of task replication

### <task-size-block>

#### Usage

```
<task-size-block-list>
  <task-size-block>
    <tsb-size>
      tsb-size
    </tsb-size>
    <tsb-terse-transient>
      tsb-terse-transient
    </tsb-terse-transient>
    <tsb-terse-fullpage>
      tsb-terse-fullpage
    </tsb-terse-fullpage>
    <tsb-allocs>
      tsb-allocs
    </tsb-allocs>
    <tsb-mallocs>
      tsb-mallocs
    </tsb-mallocs>
    <tsb-alloc-bytes>
      tsb-alloc-bytes
    </tsb-alloc-bytes>
    <tsb-max-allocs>
      tsb-max-allocs
```

```

</tsb-max-allocs>
<tsb-max-bytes>
  tsb-max-bytes
</tsb-max-bytes>
<tsb-free-bytes>
  tsb-free-bytes
</tsb-free-bytes>
</task-size-block>
</task-size-block-list>

```

## Description

### <task-size-block>

#### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>
      <task-size-block>
        <tsb-size>
          tsb-size
        </tsb-size>
        <tsb-terse-transient>
          tsb-terse-transient
        </tsb-terse-transient>
        <tsb-terse-fullpage>
          tsb-terse-fullpage
        </tsb-terse-fullpage>
        <tsb-allocs>
          tsb-allocs
        </tsb-allocs>
        <tsb-mallocs>
          tsb-mallocs
        </tsb-mallocs>
        <tsb-alloc-bytes>
          tsb-alloc-bytes
        </tsb-alloc-bytes>
        <tsb-max-allocs>
          tsb-max-allocs
        </tsb-max-allocs>
        <tsb-max-bytes>
          tsb-max-bytes
        </tsb-max-bytes>
        <tsb-free-bytes>
          tsb-free-bytes
        </tsb-free-bytes>
      </task-size-block>
    </task-size-block-list>
  </task-memory-overall-report>
</task-memory-information>

```

## Description

## <task-size-block-list>

### Usage

```
<task-size-block-list>
  <task-size-block>....</task-size-block>
</task-size-block-list>
```

### Description

## <task-size-block-list>

### Usage

```
<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>
      <task-size-block>....</task-size-block>
    </task-size-block-list>
  </task-memory-overall-report>
</task-memory-information>
```

### Description

## <task-timer>

### Usage

```
<task-information>
  <task>
    <task-timer>
      <timer-name>
        timer-name
      </timer-name>
      <timer-late>
        timer-late
      </timer-late>
      <timer-expires>
        timer-expires
      </timer-expires>
      <timer-jitter>
        timer-jitter
      </timer-jitter>
      <timer-interval>
        timer-interval
      </timer-interval>
      <timer-flags>
        timer-flags
      </timer-flags>
    </task-timer>
  </task>
</task-information>
```

### Description

## &lt;task-timer&gt;

## Usage

```

<task-timer>
  <timer-name>
    timer-name
  </timer-name>
  <timer-late>
    timer-late
  </timer-late>
  <timer-expires>
    timer-expires
  </timer-expires>
  <timer-jitter>
    timer-jitter
  </timer-jitter>
  <timer-interval>
    timer-interval
  </timer-interval>
  <timer-flags>
    timer-flags
  </timer-flags>
</task-timer>

```

## Description

## &lt;task-timer&gt;

## Usage

```

<task-timer-information>
  <task>
    <task-timer>
      <timer-name>
        timer-name
      </timer-name>
      <timer-late>
        timer-late
      </timer-late>
      <timer-expires>
        timer-expires
      </timer-expires>
      <timer-jitter>
        timer-jitter
      </timer-jitter>
      <timer-interval>
        timer-interval
      </timer-interval>
      <timer-flags>
        timer-flags
      </timer-flags>
    </task-timer>
  </task>
</task-timer-information>

```

**Description****<task-timer-information>****Usage**

```
<task-timer-information>
  <task>....</task>
</task-timer-information>
```

**Description****<this-bridge>****Usage**

```
<cist-bridge-parameters>
  <this-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </this-bridge>
</cist-bridge-parameters>
```

**Description** ID of bridge

**<this-bridge>****Usage**

```
<vst-bridge-parameters>
  <this-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </this-bridge>
</vst-bridge-parameters>
```

**Description** ID of bridge

**<this-bridge>****Usage**

```
<msti-bridge-parameters>
  <this-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
```

```

        bridge-mac
      </bridge-mac>
    </this-bridge>
  </msti-bridge-parameters>

```

**Description** ID of bridge

### <this-bridge>

#### Usage

```

<stp-bridge>
  <cist-bridge-parameters>
    <this-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </this-bridge>
  </cist-bridge-parameters>
</stp-bridge>

```

**Description** ID of bridge

### <this-bridge>

#### Usage

```

<stp-bridge>
  <msti-bridge-parameters>
    <this-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </this-bridge>
  </msti-bridge-parameters>
</stp-bridge>

```

**Description** ID of bridge

### <this-bridge>

#### Usage

```

<stp-bridge>
  <vst-bridge-parameters>
    <this-bridge>
      <bridge-priority>
        bridge-priority

```

```
</bridge-priority>
<bridge-mac>
  bridge-mac
</bridge-mac>
</this-bridge>
</vst-bridge-parameters>
</stp-bridge>
```

**Description** ID of bridge

## <vlan-map>

### Usage

```
<mstp-configuration>
  <vlan-map>
    <vlan-map-entry>....</vlan-map-entry>
  </vlan-map>
</mstp-configuration>
```

**Description**

## <vlan-map-entry>

### Usage

```
<mstp-configuration>
  <vlan-map>
    <vlan-map-entry>
      <msti-id>
        msti-id
      </msti-id>
      <vlan-string>
        vlan-string
      </vlan-string>
    </vlan-map-entry>
  </vlan-map>
</mstp-configuration>
```

**Description**

## <vst-bridge-parameters>

### Usage

```
<vst-bridge-parameters>
  <vlan-id>
    vlan-id
  </vlan-id>
  <root-bridge>....</root-bridge>
  <root-port>
    root-port
  </root-port>
  <root-cost>
    root-cost
```



```

</root-cost>
<hello-time-learned>
  hello-time-learned
</hello-time-learned>
<max-age-learned>
  max-age-learned
</max-age-learned>
<forward-delay-learned>
  forward-delay-learned
</forward-delay-learned>
<msg-age>
  msg-age
</msg-age>
<time-since-last-tc>
  time-since-last-tc
</time-since-last-tc>
<topology-change-count>
  topology-change-count
</topology-change-count>
<extended-system-id>
  extended-system-id
</extended-system-id>
<this-bridge>....</this-bridge>
<hello-time-configured>
  hello-time-configured
</hello-time-configured>
<max-age-configured>
  max-age-configured
</max-age-configured>
<forward-delay-configured>
  forward-delay-configured
</forward-delay-configured>
<path-cost-method>
  path-cost-method
</path-cost-method>
</vst-bridge-parameters>

```

**Description** STP bridge parameters for VLAN Spanning Tree

### <vst-bridge-parameters>

#### Usage

```

<stp-bridge>
  <vst-bridge-parameters>
    <vlan-id>
      vlan-id
    </vlan-id>
    <root-bridge>....</root-bridge>
    <root-port>
      root-port
    </root-port>
    <root-cost>
      root-cost
    </root-cost>
  
```

```
<hello-time-learned>
  hello-time-learned
</hello-time-learned>
<max-age-learned>
  max-age-learned
</max-age-learned>
<forward-delay-learned>
  forward-delay-learned
</forward-delay-learned>
<msg-age>
  msg-age
</msg-age>
<time-since-last-tc>
  time-since-last-tc
</time-since-last-tc>
<topology-change-count>
  topology-change-count
</topology-change-count>
<extended-system-id>
  extended-system-id
</extended-system-id>
<this-bridge>....</this-bridge>
<hello-time-configured>
  hello-time-configured
</hello-time-configured>
<max-age-configured>
  max-age-configured
</max-age-configured>
<forward-delay-configured>
  forward-delay-configured
</forward-delay-configured>
<path-cost-method>
  path-cost-method
</path-cost-method>
</vst-bridge-parameters>
</stp-bridge>
```

**Description** STP bridge parameters for VLAN Spanning Tree

### <vstp-interface-statistics>

#### Usage

```
<stp-interface-statistics>
<vstp-interface-statistics>
  <vlan-id>
    vlan-id
  </vlan-id>
  <stp-interface-statistics-entry>....</stp-interface-statistics-entry>
</vstp-interface-statistics>
</stp-interface-statistics>
```

**Description** Statistics information about one or more VLAN STP interfaces

**<vstp-statistics>****Usage**

```

<vstp-statistics>
  <vlan-id>
    vlan-id
  </vlan-id>
  <message-type>
    message-type
  </message-type>
  <total-bpdus-sent>
    total-bpdus-sent
  </total-bpdus-sent>
  <total-bpdus-received>
    total-bpdus-received
  </total-bpdus-received>
  <bpdus-sent-5seconds>
    bpdus-sent-5seconds
  </bpdus-sent-5seconds>
  <bpdus-received-5seconds>
    bpdus-received-5seconds
  </bpdus-received-5seconds>
</vstp-statistics>

```

**Description** VLAN Spanning Tree Protocol statistics

**<vstp-statistics>****Usage**

```

<stp-context-statistics-information>
  <vstp-statistics>
    <vlan-id>
      vlan-id
    </vlan-id>
    <message-type>
      message-type
    </message-type>
    <total-bpdus-sent>
      total-bpdus-sent
    </total-bpdus-sent>
    <total-bpdus-received>
      total-bpdus-received
    </total-bpdus-received>
    <bpdus-sent-5seconds>
      bpdus-sent-5seconds
    </bpdus-sent-5seconds>
    <bpdus-received-5seconds>
      bpdus-received-5seconds
    </bpdus-received-5seconds>
  </vstp-statistics>
</stp-context-statistics-information>

```

**Description**    VLAN Spanning Tree Protocol statistics

## Summary of sFLOW Response Tags

---

### <sflow>

#### Usage

```
<sflow>
  <sflow-information>....</sflow-information>
  <sflow-collector>....</sflow-collector>
  <sflow-interface>....</sflow-interface>
</sflow>
```

#### Description

### <sflow-collector>

#### Usage

```
<sflow>
  <sflow-collector>
    <remote-collector-interface-address>
      remote-collector-interface-address
    </remote-collector-interface-address>
    <collector-udp-port>
      collector-udp-port
    </collector-udp-port>
    <collector-number-of-samples>
      collector-number-of-samples
    </collector-number-of-samples>
  </sflow-collector>
</sflow>
```

#### Description

### <sflow-information>

#### Usage

```
<sflow>
  <sflow-information>
    <sflow-status>
      sflow-status
    </sflow-status>
    <sflow-sample-limit>
      sflow-sample-limit
    </sflow-sample-limit>
    <sflow-polling-interval>
      sflow-polling-interval
    </sflow-polling-interval>
    <sflow-sample-rate-egress>
      sflow-sample-rate-egress
    </sflow-sample-rate-egress>
    <sflow-sample-rate-ingress>
      sflow-sample-rate-ingress
    </sflow-sample-rate-ingress>
  </sflow-information>
</sflow>
```

```

</sflow-sample-rate-ingress>
<sflow-agent-id>
  sflow-agent-id
</sflow-agent-id>
<sflow-source-ip>
  sflow-source-ip
</sflow-source-ip>
</sflow-information>
</sflow>

```

## Description

### <sflow-interface>

#### Usage

```

<sflow>
  <sflow-interface>
    <interface-status-egress>
      interface-status-egress
    </interface-status-egress>
    <interface-status-ingress>
      interface-status-ingress
    </interface-status-ingress>
    <interface-name>
      interface-name
    </interface-name>
    <interface-sample-rate-egress>
      interface-sample-rate-egress
    </interface-sample-rate-egress>
    <interface-sample-rate-ingress>
      interface-sample-rate-ingress
    </interface-sample-rate-ingress>
    <interface-adapt-sample-rate-egress>
      interface-adapt-sample-rate-egress
    </interface-adapt-sample-rate-egress>
    <interface-adapt-sample-rate-ingress>
      interface-adapt-sample-rate-ingress
    </interface-adapt-sample-rate-ingress>
    <interface-polling-interval>
      interface-polling-interval
    </interface-polling-interval>
  </sflow-interface>
</sflow>

```

## Description

### Summary of VCCP Response Tags

#### <backup-info-tlv>

#### Usage

```

<vccp-tlv>
  <backup-info-tlv>
    <system-name>

```

```
    system-name
  </system-name>
</backup-info-tlv>
</vccp-tlv>
```

**Description****<backup-info-tlv>****Usage**

```
<vccp-database-entry>
  <vccp-tlv>
    <backup-info-tlv>
      <system-name>
        system-name
      </system-name>
    </backup-info-tlv>
  </vccp-tlv>
</vccp-database-entry>
```

**Description****<backup-info-tlv>****Usage**

```
<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>
      <backup-info-tlv>
        <system-name>
          system-name
        </system-name>
      </backup-info-tlv>
    </vccp-tlv>
  </vccp-database-entry>
</vccp-database>
```

**Description****<backup-info-tlv>****Usage**

```
<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <vccp-tlv>
        <backup-info-tlv>
          <system-name>
            system-name
          </system-name>
        </backup-info-tlv>
      </vccp-tlv>
    </vccp-database-entry>
```

```
</vccp-database>
</virtual-chassis-database-information>
```

**Description****<chassis-pic-mode-information>****Usage**

```
<chassis-pic-mode-information>
  <chassis-pic-mode>
    chassis-pic-mode
  </chassis-pic-mode>
</chassis-pic-mode-information>
```

**Description****<current-test>****Usage**

```
<virtual-chassis-diagnostic-information>
  <current-test>
    <test-number>
      test-number
    </test-number>
  </current-test>
</virtual-chassis-diagnostic-information>
```

**Description** Serial number of the test being performed

**<dcp-atomicity-tlv>****Usage**

```
<vccp-tlv>
  <dcp-atomicity-tlv>
    <fragment-offset>
      fragment-offset
    </fragment-offset>
    <fragment-count>
      fragment-count
    </fragment-count>
    <fragment-sequence-number-list>....</fragment-sequence-number-list>
  </dcp-atomicity-tlv>
</vccp-tlv>
```

**Description****<dcp-atomicity-tlv>****Usage**

```
<vccp-database-entry>
  <vccp-tlv>
```

```
<dcp-atomicity-tlv>
  <fragment-offset>
    fragment-offset
  </fragment-offset>
  <fragment-count>
    fragment-count
  </fragment-count>
  <fragment-sequence-number-list>....</fragment-sequence-number-list>
</dcp-atomicity-tlv>
</vccp-tlv>
</vccp-database-entry>
```

#### Description

#### <dcp-atomicity-tlv>

##### Usage

```
<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>
      <dcp-atomicity-tlv>
        <fragment-offset>
          fragment-offset
        </fragment-offset>
        <fragment-count>
          fragment-count
        </fragment-count>
        <fragment-sequence-number-list>....</fragment-sequence-number-list>
      </dcp-atomicity-tlv>
    </vccp-tlv>
  </vccp-database-entry>
</vccp-database>
```

#### Description

#### <dcp-atomicity-tlv>

##### Usage

```
<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <vccp-tlv>
        <dcp-atomicity-tlv>
          <fragment-offset>
            fragment-offset
          </fragment-offset>
          <fragment-count>
            fragment-count
          </fragment-count>
          <fragment-sequence-number-list>....</fragment-sequence-number-list>
        </dcp-atomicity-tlv>
      </vccp-tlv>
    </vccp-database-entry>
  </vccp-database>
```



```
</virtual-chassis-database-information>
```

#### Description

**<dcp-device-information>**

#### Usage

```
<dcp-device-information>
  <vc-mode>
    vc-mode
  </vc-mode>
  <vc-size>
    vc-size
  </vc-size>
  <my-master-id>
    my-master-id
  </my-master-id>
  <device-physical-id>
    device-physical-id
  </device-physical-id>
  <dcp-system-id>
    dcp-system-id
  </dcp-system-id>
  <dcp-device-id>
    dcp-device-id
  </dcp-device-id>
  <device-physical-type>
    device-physical-type
  </device-physical-type>
  <dcp-device-start-ppfe-id>
    dcp-device-start-ppfe-id
  </dcp-device-start-ppfe-id>
  <dcp-device-ppfe-count>
    dcp-device-ppfe-count
  </dcp-device-ppfe-count>
  <dcp-device-flags>
    dcp-device-flags
  </dcp-device-flags>
  <dcp-device-name>
    dcp-device-name
  </dcp-device-name>
  <logical-function-bitmap>
    logical-function-bitmap
  </logical-function-bitmap>
</dcp-device-information>
```

#### Description

**<dcp-device-information>**

#### Usage

```
<vccp-tlv>
  <node-info-tlv>
    <dcp-device-information>
```

```
<vc-mode>
  vc-mode
</vc-mode>
<vc-size>
  vc-size
</vc-size>
<my-master-id>
  my-master-id
</my-master-id>
<device-physical-id>
  device-physical-id
</device-physical-id>
<dcp-system-id>
  dcp-system-id
</dcp-system-id>
<dcp-device-id>
  dcp-device-id
</dcp-device-id>
<device-physical-type>
  device-physical-type
</device-physical-type>
<dcp-device-start-ppfe-id>
  dcp-device-start-ppfe-id
</dcp-device-start-ppfe-id>
<dcp-device-ppfe-count>
  dcp-device-ppfe-count
</dcp-device-ppfe-count>
<dcp-device-flags>
  dcp-device-flags
</dcp-device-flags>
<dcp-device-name>
  dcp-device-name
</dcp-device-name>
<logical-function-bitmap>
  logical-function-bitmap
</logical-function-bitmap>
</dcp-device-information>
</node-info-tlv>
</vccp-tlv>
```

#### Description

### <dcp-device-information>

#### Usage

```
<vccp-database-entry>
  <vccp-tlv>
    <node-info-tlv>
      <dcp-device-information>
        <vc-mode>
          vc-mode
        </vc-mode>
        <vc-size>
          vc-size
        </vc-size>
```

```

<my-master-id>
  my-master-id
</my-master-id>
<device-physical-id>
  device-physical-id
</device-physical-id>
<dcp-system-id>
  dcp-system-id
</dcp-system-id>
<dcp-device-id>
  dcp-device-id
</dcp-device-id>
<device-physical-type>
  device-physical-type
</device-physical-type>
<dcp-device-start-ppfe-id>
  dcp-device-start-ppfe-id
</dcp-device-start-ppfe-id>
<dcp-device-ppfe-count>
  dcp-device-ppfe-count
</dcp-device-ppfe-count>
<dcp-device-flags>
  dcp-device-flags
</dcp-device-flags>
<dcp-device-name>
  dcp-device-name
</dcp-device-name>
<logical-function-bitmap>
  logical-function-bitmap
</logical-function-bitmap>
</dcp-device-information>
</node-info-tlv>
</vccp-tlv>
</vccp-database-entry>

```

## Description

### <dcp-device-information>

#### Usage

```

<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>
      <node-info-tlv>
        <dcp-device-information>
          <vc-mode>
            vc-mode
          </vc-mode>
          <vc-size>
            vc-size
          </vc-size>
          <my-master-id>
            my-master-id
          </my-master-id>
          <device-physical-id>

```

```
    device-physical-id
  </device-physical-id>
  <dcp-system-id>
    dcp-system-id
  </dcp-system-id>
  <dcp-device-id>
    dcp-device-id
  </dcp-device-id>
  <device-physical-type>
    device-physical-type
  </device-physical-type>
  <dcp-device-start-ppfe-id>
    dcp-device-start-ppfe-id
  </dcp-device-start-ppfe-id>
  <dcp-device-ppfe-count>
    dcp-device-ppfe-count
  </dcp-device-ppfe-count>
  <dcp-device-flags>
    dcp-device-flags
  </dcp-device-flags>
  <dcp-device-name>
    dcp-device-name
  </dcp-device-name>
  <logical-function-bitmap>
    logical-function-bitmap
  </logical-function-bitmap>
</dcp-device-information>
</node-info-tlv>
</vccp-tlv>
</vccp-database-entry>
</vccp-database>
```

## Description

### <dcp-device-information>

#### Usage

```
<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <vccp-tlv>
        <node-info-tlv>
          <dcp-device-information>
            <vc-mode>
              vc-mode
            </vc-mode>
            <vc-size>
              vc-size
            </vc-size>
            <my-master-id>
              my-master-id
            </my-master-id>
            <device-physical-id>
              device-physical-id
            </device-physical-id>
```

```

    <dcp-system-id>
      dcp-system-id
    </dcp-system-id>
    <dcp-device-id>
      dcp-device-id
    </dcp-device-id>
    <device-physical-type>
      device-physical-type
    </device-physical-type>
    <dcp-device-start-ppfe-id>
      dcp-device-start-ppfe-id
    </dcp-device-start-ppfe-id>
    <dcp-device-ppfe-count>
      dcp-device-ppfe-count
    </dcp-device-ppfe-count>
    <dcp-device-flags>
      dcp-device-flags
    </dcp-device-flags>
    <dcp-device-name>
      dcp-device-name
    </dcp-device-name>
    <logical-function-bitmap>
      logical-function-bitmap
    </logical-function-bitmap>
  </dcp-device-information>
</node-info-tlv>
</vccp-tlv>
</vccp-database-entry>
</vccp-database>
</virtual-chassis-database-information>

```

## Description

### <dcp-device-information-tlv>

#### Usage

```

<vccp-tlv>
  <dcp-device-information-tlv>
    <device-system-id>
      device-system-id
    </device-system-id>
    <dcp-device-id>
      dcp-device-id
    </dcp-device-id>
    <dcp-device-start-ppfe-id>
      dcp-device-start-ppfe-id
    </dcp-device-start-ppfe-id>
    <dcp-device-ppfe-count>
      dcp-device-ppfe-count
    </dcp-device-ppfe-count>
    <device-name>
      device-name
    </device-name>
    <device-flags>
      device-flags

```

```
</device-flags>
<device-physical-id>
  device-physical-id
</device-physical-id>
</dcp-device-information-tlv>
</vccp-tlv>
```

#### Description

### <dcp-device-information-tlv>

#### Usage

```
<vccp-database-entry>
<vccp-tlv>
  <dcp-device-information-tlv>
    <device-system-id>
      device-system-id
    </device-system-id>
    <dcp-device-id>
      dcp-device-id
    </dcp-device-id>
    <dcp-device-start-ppfe-id>
      dcp-device-start-ppfe-id
    </dcp-device-start-ppfe-id>
    <dcp-device-ppfe-count>
      dcp-device-ppfe-count
    </dcp-device-ppfe-count>
    <device-name>
      device-name
    </device-name>
    <device-flags>
      device-flags
    </device-flags>
    <device-physical-id>
      device-physical-id
    </device-physical-id>
  </dcp-device-information-tlv>
</vccp-tlv>
</vccp-database-entry>
```

#### Description

### <dcp-device-information-tlv>

#### Usage

```
<vccp-database>
<vccp-database-entry>
  <vccp-tlv>
    <dcp-device-information-tlv>
      <device-system-id>
        device-system-id
      </device-system-id>
      <dcp-device-id>
        dcp-device-id
```

```

</dcp-device-id>
<dcp-device-start-ppfe-id>
  dcp-device-start-ppfe-id
</dcp-device-start-ppfe-id>
<dcp-device-ppfe-count>
  dcp-device-ppfe-count
</dcp-device-ppfe-count>
<device-name>
  device-name
</device-name>
<device-flags>
  device-flags
</device-flags>
<device-physical-id>
  device-physical-id
</device-physical-id>
</dcp-device-information-tlv>
</vccp-tlv>
</vccp-database-entry>
</vccp-database>

```

## Description

### <dcp-device-information-tlv>

#### Usage

```

<virtual-chassis-database-information>
<vccp-database>
<vccp-database-entry>
<vccp-tlv>
<dcp-device-information-tlv>
<device-system-id>
  device-system-id
</device-system-id>
<dcp-device-id>
  dcp-device-id
</dcp-device-id>
<dcp-device-start-ppfe-id>
  dcp-device-start-ppfe-id
</dcp-device-start-ppfe-id>
<dcp-device-ppfe-count>
  dcp-device-ppfe-count
</dcp-device-ppfe-count>
<device-name>
  device-name
</device-name>
<device-flags>
  device-flags
</device-flags>
<device-physical-id>
  device-physical-id
</device-physical-id>
</dcp-device-information-tlv>
</vccp-tlv>
</vccp-database-entry>

```

```
</vccp-database>
</virtual-chassis-database-information>
```

### Description

#### <dcp-dynamic-device-tlv>

##### Usage

```
<vccp-tlv>
  <dcp-dynamic-device-tlv>
    <dynamic-device-id>
      dynamic-device-id
    </dynamic-device-id>
    <dynamic-device-name>
      dynamic-device-name
    </dynamic-device-name>
    <dynamic-device-type>
      dynamic-device-type
    </dynamic-device-type>
    <dynamic-device-physical-type>
      dynamic-device-physical-type
    </dynamic-device-physical-type>
    <dynamic-flags>
      dynamic-flags
    </dynamic-flags>
  </dcp-dynamic-device-tlv>
</vccp-tlv>
```

### Description

#### <dcp-dynamic-device-tlv>

##### Usage

```
<vccp-database-entry>
  <vccp-tlv>
    <dcp-dynamic-device-tlv>
      <dynamic-device-id>
        dynamic-device-id
      </dynamic-device-id>
      <dynamic-device-name>
        dynamic-device-name
      </dynamic-device-name>
      <dynamic-device-type>
        dynamic-device-type
      </dynamic-device-type>
      <dynamic-device-physical-type>
        dynamic-device-physical-type
      </dynamic-device-physical-type>
      <dynamic-flags>
        dynamic-flags
      </dynamic-flags>
    </dcp-dynamic-device-tlv>
  </vccp-tlv>
```



```
</vccp-database-entry>
```

#### Description

#### <dcv-dynamic-device-tlv>

#### Usage

```
<vccp-database>
<vccp-database-entry>
  <vccp-tlv>
    <dcv-dynamic-device-tlv>
      <dynamic-device-id>
        dynamic-device-id
      </dynamic-device-id>
      <dynamic-device-name>
        dynamic-device-name
      </dynamic-device-name>
      <dynamic-device-type>
        dynamic-device-type
      </dynamic-device-type>
      <dynamic-device-physical-type>
        dynamic-device-physical-type
      </dynamic-device-physical-type>
      <dynamic-flags>
        dynamic-flags
      </dynamic-flags>
    </dcv-dynamic-device-tlv>
  </vccp-tlv>
</vccp-database-entry>
</vccp-database>
```

#### Description

#### <dcv-dynamic-device-tlv>

#### Usage

```
<virtual-chassis-database-information>
<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>
      <dcv-dynamic-device-tlv>
        <dynamic-device-id>
          dynamic-device-id
        </dynamic-device-id>
        <dynamic-device-name>
          dynamic-device-name
        </dynamic-device-name>
        <dynamic-device-type>
          dynamic-device-type
        </dynamic-device-type>
        <dynamic-device-physical-type>
          dynamic-device-physical-type
        </dynamic-device-physical-type>
        <dynamic-flags>
```

```
        dynamic-flags
      </dynamic-flags>
    </dcp-dynamic-device-tlv>
  </vccp-tlv>
</vccp-database-entry>
</vccp-database>
</virtual-chassis-database-information>
```

#### Description

### <dcp-ine-information-tlv>

#### Usage

```
<vccp-tlv>
  <dcp-ine-information-tlv>
    <logical-function-bitmap>
      logical-function-bitmap
    </logical-function-bitmap>
    <ine-flags>
      ine-flags
    </ine-flags>
  </dcp-ine-information-tlv>
</vccp-tlv>
```

#### Description

### <dcp-ine-information-tlv>

#### Usage

```
<vccp-database-entry>
  <vccp-tlv>
    <dcp-ine-information-tlv>
      <logical-function-bitmap>
        logical-function-bitmap
      </logical-function-bitmap>
      <ine-flags>
        ine-flags
      </ine-flags>
    </dcp-ine-information-tlv>
  </vccp-tlv>
</vccp-database-entry>
```

#### Description

### <dcp-ine-information-tlv>

#### Usage

```
<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>
      <dcp-ine-information-tlv>
        <logical-function-bitmap>
          logical-function-bitmap
```

```

    </logical-function-bitmap>
    <ine-flags>
      ine-flags
    </ine-flags>
  </dcp-ine-information-tlv>
</vccp-tlv>
</vccp-database-entry>
</vccp-database>

```

### Description

#### <dcp-ine-information-tlv>

##### Usage

```

<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <vccp-tlv>
        <dcp-ine-information-tlv>
          <logical-function-bitmap>
            logical-function-bitmap
          </logical-function-bitmap>
          <ine-flags>
            ine-flags
          </ine-flags>
        </dcp-ine-information-tlv>
      </vccp-tlv>
    </vccp-database-entry>
  </vccp-database>
</virtual-chassis-database-information>

```

### Description

#### <dcp-ine-membership-information-tlv>

##### Usage

```

<vccp-tlv>
  <dcp-ine-membership-information-tlv>
    <ine-system-id>
      ine-system-id
    </ine-system-id>
    <ine-id>
      ine-id
    </ine-id>
    <ine-slot>
      ine-slot
    </ine-slot>
    <ine-member-flags>
      ine-member-flags
    </ine-member-flags>
  </dcp-ine-membership-information-tlv>
</vccp-tlv>

```

## Description

### <dcp-ine-membership-information-tlv>

#### Usage

```
<vccp-database-entry>
  <vccp-tlv>
    <dcp-ine-membership-information-tlv>
      <ine-system-id>
        ine-system-id
      </ine-system-id>
      <ine-id>
        ine-id
      </ine-id>
      <ine-slot>
        ine-slot
      </ine-slot>
      <ine-member-flags>
        ine-member-flags
      </ine-member-flags>
    </dcp-ine-membership-information-tlv>
  </vccp-tlv>
</vccp-database-entry>
```

## Description

### <dcp-ine-membership-information-tlv>

#### Usage

```
<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>
      <dcp-ine-membership-information-tlv>
        <ine-system-id>
          ine-system-id
        </ine-system-id>
        <ine-id>
          ine-id
        </ine-id>
        <ine-slot>
          ine-slot
        </ine-slot>
        <ine-member-flags>
          ine-member-flags
        </ine-member-flags>
      </dcp-ine-membership-information-tlv>
    </vccp-tlv>
  </vccp-database-entry>
</vccp-database>
```

## Description

**<dcp-ine-membership-information-tlv>****Usage**

```

<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <vccp-tlv>
        <dcp-ine-membership-information-tlv>
          <ine-system-id>
            ine-system-id
          </ine-system-id>
          <ine-id>
            ine-id
          </ine-id>
          <ine-slot>
            ine-slot
          </ine-slot>
          <ine-member-flags>
            ine-member-flags
          </ine-member-flags>
        </dcp-ine-membership-information-tlv>
      </vccp-tlv>
    </vccp-database-entry>
  </vccp-database>
</virtual-chassis-database-information>

```

**Description****<destination-reachability>****Usage**

```

<virtual-chassis-active-topology>
  <destination-reachability>
    <destination-member>
      destination-member
    </destination-member>
    <nexthop-list>
      nexthop-list
    </nexthop-list>
  </destination-reachability>
</virtual-chassis-active-topology>

```

**Description****<device>****Usage**

```

<virtual-chassis-device-information>
  <device-list>
    <device>
      <member-id>
        member-id
      </member-id>
    </device>
  </device-list>
</virtual-chassis-device-information>

```

```
<device-id>
  device-id
</device-id>
<device-status>
  device-status
</device-status>
<system-id>
  system-id
</system-id>
<neighbor-list>....</neighbor-list>
<hop>
  hop
</hop>
<interface-name>
  interface-name
</interface-name>
</device>
</device-list>
</virtual-chassis-device-information>
```

#### Description

<device>

#### Usage

```
<virtual-chassis-packet-path>
<device>
  <member-id>
    member-id
  </member-id>
  <device-id>
    device-id
  </device-id>
  <device-status>
    device-status
  </device-status>
  <system-id>
    system-id
  </system-id>
  <neighbor-list>....</neighbor-list>
  <hop>
    hop
  </hop>
  <interface-name>
    interface-name
  </interface-name>
</device>
</virtual-chassis-packet-path>
```

#### Description

**<device-info>****Usage**

```

<device-info>
  <system-name>
    system-name
  </system-name>
  <device-id>
    device-id
  </device-id>
</device-info>

```

**Description****<device-info>****Usage**

```

<vccp-tlv>
  <node-info-tlv>
    <device-info>
      <system-name>
        system-name
      </system-name>
      <device-id>
        device-id
      </device-id>
    </device-info>
  </node-info-tlv>
</vccp-tlv>

```

**Description****<device-info>****Usage**

```

<vccp-tlv>
  <member-info-tlv>
    <device-info>
      <system-name>
        system-name
      </system-name>
      <device-id>
        device-id
      </device-id>
    </device-info>
  </member-info-tlv>
</vccp-tlv>

```

**Description**

## <device-info>

### Usage

```
<vccp-database-entry>
  <vccp-tlv>
    <node-info-tlv>
      <device-info>
        <system-name>
          system-name
        </system-name>
        <device-id>
          device-id
        </device-id>
      </device-info>
    </node-info-tlv>
  </vccp-tlv>
</vccp-database-entry>
```

### Description

## <device-info>

### Usage

```
<vccp-database-entry>
  <vccp-tlv>
    <member-info-tlv>
      <device-info>
        <system-name>
          system-name
        </system-name>
        <device-id>
          device-id
        </device-id>
      </device-info>
    </member-info-tlv>
  </vccp-tlv>
</vccp-database-entry>
```

### Description

## <device-info>

### Usage

```
<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>
      <node-info-tlv>
        <device-info>
          <system-name>
            system-name
          </system-name>
          <device-id>
            device-id
          </device-id>
        </device-info>
      </node-info-tlv>
    </vccp-tlv>
  </vccp-database-entry>
</vccp-database>
```



```

        </device-id>
      </device-info>
    </node-info-tlv>
  </vccp-tlv>
</vccp-database-entry>
</vccp-database>

```

#### Description

#### <device-info>

#### Usage

```

<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>
      <member-info-tlv>
        <device-info>
          <system-name>
            system-name
          </system-name>
          <device-id>
            device-id
          </device-id>
        </device-info>
      </member-info-tlv>
    </vccp-tlv>
  </vccp-database-entry>
</vccp-database>

```

#### Description

#### <device-info>

#### Usage

```

<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <vccp-tlv>
        <node-info-tlv>
          <device-info>
            <system-name>
              system-name
            </system-name>
            <device-id>
              device-id
            </device-id>
          </device-info>
        </node-info-tlv>
      </vccp-tlv>
    </vccp-database-entry>
  </vccp-database>
</virtual-chassis-database-information>

```

**Description****<device-info>****Usage**

```
<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <vccp-tlv>
        <member-info-tlv>
          <device-info>
            <system-name>
              system-name
            </system-name>
            <device-id>
              device-id
            </device-id>
          </device-info>
        </member-info-tlv>
      </vccp-tlv>
    </vccp-database-entry>
  </vccp-database>
</virtual-chassis-database-information>
```

**Description****<device-list>****Usage**

```
<virtual-chassis-device-information>
  <device-list>
    <device>....</device>
  </device-list>
</virtual-chassis-device-information>
```

**Description****<device-reachability-information>****Usage**

```
<virtual-chassis-diagnostic-information>
  <device-reachability-information>
    <reachability-acknowledge>
      reachability-acknowledge
    </reachability-acknowledge>
    <connectivity-statistics-header>
      connectivity-statistics-header
    </connectivity-statistics-header>
    <session-information>
      session-information
    </session-information>
    <session-id>
      session-id
    </session-id>
```

```

<packet-response-information>
  packet-response-information
</packet-response-information>
<packet-count>
  packet-count
</packet-count>
<packets-sent>
  packets-sent
</packets-sent>
<packets-received>
  packets-received
</packets-received>
<packets-sendfail>
  packets-sendfail
</packets-sendfail>
<packet-breakup-information>
  packet-breakup-information
</packet-breakup-information>
<packets-unknown>
  packets-unknown
</packets-unknown>
<packets-timedout>
  packets-timedout
</packets-timedout>
<packets-duplicate-reply>
  packets-duplicate-reply
</packets-duplicate-reply>
<round-trip-information>
  round-trip-information
</round-trip-information>
<round-trip-time-minimum>
  round-trip-time-minimum
</round-trip-time-minimum>
<round-trip-time-average>
  round-trip-time-average
</round-trip-time-average>
<round-trip-time-maximum>
  round-trip-time-maximum
</round-trip-time-maximum>
<test-interval>
  test-interval
</test-interval>
</device-reachability-information>
</virtual-chassis-diagnostic-information>

```

**Description** Device reachability statistics

### <fragment-sequence-number-list>

#### Usage

```

<vccp-tlv>
  <dcp-atomicity-tlv>
    <fragment-sequence-number-list>
      <fragment-id>

```

```
        fragment-id
      </fragment-id>
    <sequence-number>
      sequence-number
    </sequence-number>
  </fragment-sequence-number-list>
</dcp-atomicity-tlv>
</vccp-tlv>
```

#### Description

### <fragment-sequence-number-list>

#### Usage

```
<vccp-database-entry>
  <vccp-tlv>
    <dcp-atomicity-tlv>
      <fragment-sequence-number-list>
        <fragment-id>
          fragment-id
        </fragment-id>
        <sequence-number>
          sequence-number
        </sequence-number>
      </fragment-sequence-number-list>
    </dcp-atomicity-tlv>
  </vccp-tlv>
</vccp-database-entry>
```

#### Description

### <fragment-sequence-number-list>

#### Usage

```
<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>
      <dcp-atomicity-tlv>
        <fragment-sequence-number-list>
          <fragment-id>
            fragment-id
          </fragment-id>
          <sequence-number>
            sequence-number
          </sequence-number>
        </fragment-sequence-number-list>
      </dcp-atomicity-tlv>
    </vccp-tlv>
  </vccp-database-entry>
</vccp-database>
```

#### Description

**<fragment-sequence-number-list>****Usage**

```

<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <vccp-tlv>
        <dcp-atomicity-tlv>
          <fragment-sequence-number-list>
            <fragment-id>
              fragment-id
            </fragment-id>
            <sequence-number>
              sequence-number
            </sequence-number>
          </fragment-sequence-number-list>
        </dcp-atomicity-tlv>
      </vccp-tlv>
    </vccp-database-entry>
  </vccp-database>
</virtual-chassis-database-information>

```

**Description****<interface-level-data>****Usage**

```

<interface-level-data>
  <adjacency-count>
    adjacency-count
  </adjacency-count>
  <metric>
    metric
  </metric>
  <hello-time>
    hello-time
  </hello-time>
  <holdtime>
    holdtime
  </holdtime>
</interface-level-data>

```

**Description****<interface-level-data>****Usage**

```

<vccp-interface>
  <interface-level-data>
    <adjacency-count>
      adjacency-count
    </adjacency-count>
    <metric>

```

```
    metric
  </metric>
  <hello-time>
    hello-time
  </hello-time>
  <holdtime>
    holdtime
  </holdtime>
</interface-level-data>
</vccp-interface>
```

#### Description

### <interface-level-data>

#### Usage

```
<virtual-chassis-interface-information>
  <vccp-interface>
    <interface-level-data>
      <adjacency-count>
        adjacency-count
      </adjacency-count>
      <metric>
        metric
      </metric>
      <hello-time>
        hello-time
      </hello-time>
      <holdtime>
        holdtime
      </holdtime>
    </interface-level-data>
  </vccp-interface>
</virtual-chassis-interface-information>
```

#### Description

### <iri-tlv>

#### Usage

```
<vccp-tlv>
  <iri-tlv>
    <ip-address>
      ip-address
    </ip-address>
  </iri-tlv>
</vccp-tlv>
```

#### Description

**<iri-tlv>****Usage**

```

<vccp-database-entry>
  <vccp-tlv>
    <iri-tlv>
      <ip-address>
        ip-address
      </ip-address>
    </iri-tlv>
  </vccp-tlv>
</vccp-database-entry>

```

**Description****<iri-tlv>****Usage**

```

<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>
      <iri-tlv>
        <ip-address>
          ip-address
        </ip-address>
      </iri-tlv>
    </vccp-tlv>
  </vccp-database-entry>
</vccp-database>

```

**Description****<iri-tlv>****Usage**

```

<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <vccp-tlv>
        <iri-tlv>
          <ip-address>
            ip-address
          </ip-address>
        </iri-tlv>
      </vccp-tlv>
    </vccp-database-entry>
  </vccp-database>
</virtual-chassis-database-information>

```

**Description**

## <line-card-group>

### Usage

```
<line-card-group>
  <line-card-group-name>
    line-card-group-name
  </line-card-group-name>
  <line-card-group-id>
    line-card-group-id
  </line-card-group-id>
  <line-card-group-type>
    line-card-group-type
  </line-card-group-type>
  <line-card-group-instance>
    line-card-group-instance
  </line-card-group-instance>
  <line-card-group-master>
    line-card-group-master
  </line-card-group-master>
  <line-card-group-member>....</line-card-group-member>
</line-card-group>
```

### Description

## <line-card-group-member>

### Usage

```
<line-card-group-member>
  <device-physical-id>
    device-physical-id
  </device-physical-id>
  <line-card-group-member-id>
    line-card-group-member-id
  </line-card-group-member-id>
  <mastership-mode>
    mastership-mode
  </mastership-mode>
  <device-physical-type>
    device-physical-type
  </device-physical-type>
  <device-name>
    device-name
  </device-name>
</line-card-group-member>
```

### Description

## <line-card-group-member>

### Usage

```
<line-card-group>
  <line-card-group-member>
    <device-physical-id>
```



```

    device-physical-id
  </device-physical-id>
  <line-card-group-member-id>
    line-card-group-member-id
  </line-card-group-member-id>
  <mastership-mode>
    mastership-mode
  </mastership-mode>
  <device-physical-type>
    device-physical-type
  </device-physical-type>
  <device-name>
    device-name
  </device-name>
</line-card-group-member>
</line-card-group>

```

**Description****<master-info-tlv>****Usage**

```

<vccp-tlv>
  <master-info-tlv>
    <system-name>
      system-name
    </system-name>
  </master-info-tlv>
</vccp-tlv>

```

**Description****<master-info-tlv>****Usage**

```

<vccp-database-entry>
  <vccp-tlv>
    <master-info-tlv>
      <system-name>
        system-name
      </system-name>
    </master-info-tlv>
  </vccp-tlv>
</vccp-database-entry>

```

**Description****<master-info-tlv>****Usage**

```

<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>

```

```
<master-info-tlv>
  <system-name>
    system-name
  </system-name>
</master-info-tlv>
</vccp-tlv>
</vccp-database-entry>
</vccp-database>
```

#### Description

#### <master-info-tlv>

##### Usage

```
<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <vccp-tlv>
        <master-info-tlv>
          <system-name>
            system-name
          </system-name>
        </master-info-tlv>
      </vccp-tlv>
    </vccp-database-entry>
  </vccp-database>
</virtual-chassis-database-information>
```

#### Description

#### <member>

##### Usage

```
<virtual-chassis-information>
  <member-list>
    <member>
      <member-id>
        member-id
      </member-id>
      <fpc-slot>
        fpc-slot
      </fpc-slot>
      <fpc-slot-range>
        fpc-slot-range
      </fpc-slot-range>
      <member-model>
        member-model
      </member-model>
      <member-status>
        member-status
      </member-status>
      <member-serial-number>
        member-serial-number
      </member-serial-number>
    </member>
  </member-list>
</virtual-chassis-information>
```

```

    <member-priority>
      member-priority
    </member-priority>
    <member-role>
      member-role
    </member-role>
    <member-location>
      member-location
    </member-location>
    <member-mixed-mode>
      member-mixed-mode
    </member-mixed-mode>
    <neighbor-list>....</neighbor-list>
  </member>
</member-list>
</virtual-chassis-information>

```

**Description****<member-info-tlv>****Usage**

```

<vccp-tlv>
  <member-info-tlv>
    <system-name>
      system-name
    </system-name>
    <member-id>
      member-id
    </member-id>
    <member-role>
      member-role
    </member-role>
    <device-info>....</device-info>
  </member-info-tlv>
</vccp-tlv>

```

**Description****<member-info-tlv>****Usage**

```

<vccp-database-entry>
  <vccp-tlv>
    <member-info-tlv>
      <system-name>
        system-name
      </system-name>
      <member-id>
        member-id
      </member-id>
      <member-role>
        member-role
      </member-role>
    </member-info-tlv>
  </vccp-tlv>
</vccp-database-entry>

```

```
<device-info>....</device-info>
</member-info-tlv>
</vccp-tlv>
</vccp-database-entry>
```

#### Description

### <member-info-tlv>

#### Usage

```
<vccp-database>
<vccp-database-entry>
<vccp-tlv>
<member-info-tlv>
<system-name>
  system-name
</system-name>
<member-id>
  member-id
</member-id>
<member-role>
  member-role
</member-role>
<device-info>....</device-info>
</member-info-tlv>
</vccp-tlv>
</vccp-database-entry>
</vccp-database>
```

#### Description

### <member-info-tlv>

#### Usage

```
<virtual-chassis-database-information>
<vccp-database>
<vccp-database-entry>
<vccp-tlv>
<member-info-tlv>
<system-name>
  system-name
</system-name>
<member-id>
  member-id
</member-id>
<member-role>
  member-role
</member-role>
<device-info>....</device-info>
</member-info-tlv>
</vccp-tlv>
</vccp-database-entry>
</vccp-database>
```

```
</virtual-chassis-database-information>
```

#### Description

**<member-list>**

#### Usage

```
<virtual-chassis-information>
  <member-list>
    <member>....</member>
  </member-list>
</virtual-chassis-information>
```

#### Description

**<neighbor>**

#### Usage

```
<virtual-chassis-information>
  <member-list>
    <member>
      <neighbor-list>
        <neighbor>
          <neighbor-id>
            neighbor-id
          </neighbor-id>
          <neighbor-interface>
            neighbor-interface
          </neighbor-interface>
          <neighbor-device-id>
            neighbor-device-id
          </neighbor-device-id>
        </neighbor>
      </neighbor-list>
    </member>
  </member-list>
</virtual-chassis-information>
```

#### Description

**<neighbor>**

#### Usage

```
<virtual-chassis-device-information>
  <device-list>
    <device>
      <neighbor-list>
        <neighbor>
          <neighbor-id>
            neighbor-id
          </neighbor-id>
          <neighbor-interface>
            neighbor-interface
```

```
</neighbor-interface>
<neighbor-device-id>
  neighbor-device-id
</neighbor-device-id>
</neighbor>
</neighbor-list>
</device>
</device-list>
</virtual-chassis-device-information>
```

#### Description

### <neighbor>

#### Usage

```
<virtual-chassis-packet-path>
<device>
  <neighbor-list>
    <neighbor>
      <neighbor-id>
        neighbor-id
      </neighbor-id>
      <neighbor-interface>
        neighbor-interface
      </neighbor-interface>
      <neighbor-device-id>
        neighbor-device-id
      </neighbor-device-id>
    </neighbor>
  </neighbor-list>
</device>
</virtual-chassis-packet-path>
```

#### Description

### <neighbor-list>

#### Usage

```
<virtual-chassis-information>
<member-list>
  <member>
    <neighbor-list>
      <neighbor>....</neighbor>
    </neighbor-list>
  </member>
</member-list>
</virtual-chassis-information>
```

#### Description

### <neighbor-list>

#### Usage

```
<virtual-chassis-device-information>
<device-list>
  <device>
    <neighbor-list>
      <neighbor>....</neighbor>
    </neighbor-list>
  </device>
</device-list>
</virtual-chassis-device-information>
```

#### Description

### <neighbor-list>

#### Usage

```
<virtual-chassis-packet-path>
<device>
  <neighbor-list>
    <neighbor>....</neighbor>
  </neighbor-list>
</device>
</virtual-chassis-packet-path>
```

#### Description

### <next-member-information>

#### Usage

```
<virtual-chassis-information>
<next-member-information>
  <next-member-id>
    next-member-id
  </next-member-id>
  <next-fpc-slot>
    next-fpc-slot
  </next-fpc-slot>
</next-member-information>
</virtual-chassis-information>
```

#### Description

### <node-info-tlv>

#### Usage

```
<vccp-tlv>
<node-info-tlv>
  <member-id>
    member-id
  </member-id>
```

```
<mastership-priority>
  mastership-priority
</mastership-priority>
<vc-id>
  vc-id
</vc-id>
<ni-flags>
  ni-flags
</ni-flags>
<device-info>....</device-info>
<dcg-device-information>....</dcg-device-information>
</node-info-tlv>
</vccp-tlv>
```

#### Description

### <node-info-tlv>

#### Usage

```
<vccp-database-entry>
<vccp-tlv>
  <node-info-tlv>
    <member-id>
      member-id
    </member-id>
    <mastership-priority>
      mastership-priority
    </mastership-priority>
    <vc-id>
      vc-id
    </vc-id>
    <ni-flags>
      ni-flags
    </ni-flags>
    <device-info>....</device-info>
    <dcg-device-information>....</dcg-device-information>
  </node-info-tlv>
</vccp-tlv>
</vccp-database-entry>
```

#### Description

### <node-info-tlv>

#### Usage

```
<vccp-database>
<vccp-database-entry>
  <vccp-tlv>
    <node-info-tlv>
      <member-id>
        member-id
      </member-id>
      <mastership-priority>
        mastership-priority
```



```

</mastership-priority>
<vc-id>
  vc-id
</vc-id>
<ni-flags>
  ni-flags
</ni-flags>
<device-info>....</device-info>
<dcg-device-information>....</dcg-device-information>
</node-info-tlv>
</vccp-tlv>
</vccp-database-entry>
</vccp-database>

```

#### Description

#### <node-info-tlv>

#### Usage

```

<virtual-chassis-database-information>
<vccp-database>
<vccp-database-entry>
<vccp-tlv>
<node-info-tlv>
<member-id>
  member-id
</member-id>
<mastership-priority>
  mastership-priority
</mastership-priority>
<vc-id>
  vc-id
</vc-id>
<ni-flags>
  ni-flags
</ni-flags>
<device-info>....</device-info>
<dcg-device-information>....</dcg-device-information>
</node-info-tlv>
</vccp-tlv>
</vccp-database-entry>
</vccp-database>
</virtual-chassis-database-information>

```

#### Description

#### <packet-path-information>

#### Usage

```

<virtual-chassis-packet-path>
<packet-path-information>
<source-interface>
  source-interface
</source-interface>

```

```
<destination-interface>
  destination-interface
</destination-interface>
</packet-path-information>
</virtual-chassis-packet-path>
```

#### Description

### <port-information>

#### Usage

```
<virtual-chassis-port-information>
  <port-list>
    <port-information>
      <port-name>
        port-name
      </port-name>
      <port-status>
        port-status
      </port-status>
      <port-speed>
        port-speed
      </port-speed>
      <port-type>
        port-type
      </port-type>
      <neighbor-id>
        neighbor-id
      </neighbor-id>
      <neighbor-interface>
        neighbor-interface
      </neighbor-interface>
      <port-trunk-id>
        port-trunk-id
      </port-trunk-id>
    </port-information>
  </port-list>
</virtual-chassis-port-information>
```

#### Description

### <port-list>

#### Usage

```
<virtual-chassis-port-information>
  <port-list>
    <port-information>....</port-information>
  </port-list>
</virtual-chassis-port-information>
```

#### Description

**<preprovisioned-virtual-chassis-information>****Usage**

```

<virtual-chassis-information>
  <preprovisioned-virtual-chassis-information>
    <virtual-chassis-id>
      virtual-chassis-id
    </virtual-chassis-id>
    <virtual-chassis-mode>
      virtual-chassis-mode
    </virtual-chassis-mode>
  </preprovisioned-virtual-chassis-information>
</virtual-chassis-information>

```

**Description****<provision-tlv>****Usage**

```

<vccp-tlv>
  <provision-tlv>
    <serial-number>
      serial-number
    </serial-number>
    <member-id>
      member-id
    </member-id>
  </provision-tlv>
</vccp-tlv>

```

**Description****<provision-tlv>****Usage**

```

<vccp-database-entry>
  <vccp-tlv>
    <provision-tlv>
      <serial-number>
        serial-number
      </serial-number>
      <member-id>
        member-id
      </member-id>
    </provision-tlv>
  </vccp-tlv>
</vccp-database-entry>

```

**Description**

### <provision-tlv>

#### Usage

```
<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>
      <provision-tlv>
        <serial-number>
          serial-number
        </serial-number>
        <member-id>
          member-id
        </member-id>
      </provision-tlv>
    </vccp-tlv>
  </vccp-database-entry>
</vccp-database>
```

#### Description

### <provision-tlv>

#### Usage

```
<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <vccp-tlv>
        <provision-tlv>
          <serial-number>
            serial-number
          </serial-number>
          <member-id>
            member-id
          </member-id>
        </provision-tlv>
      </vccp-tlv>
    </vccp-database-entry>
  </vccp-database>
</virtual-chassis-database-information>
```

#### Description

### <reachability-tlv>

#### Usage

```
<vccp-tlv>
  <reachability-tlv>
    <system-name>
      system-name
    </system-name>
    <interface-name>
      interface-name
    </interface-name>
```

```

<metric>
  metric
</metric>
<tlv-length>
  tlv-length
</tlv-length>
</reachability-tlv>
</vccp-tlv>

```

#### Description

#### <reachability-tlv>

#### Usage

```

<vccp-database-entry>
  <vccp-tlv>
    <reachability-tlv>
      <system-name>
        system-name
      </system-name>
      <interface-name>
        interface-name
      </interface-name>
      <metric>
        metric
      </metric>
      <tlv-length>
        tlv-length
      </tlv-length>
    </reachability-tlv>
  </vccp-tlv>
</vccp-database-entry>

```

#### Description

#### <reachability-tlv>

#### Usage

```

<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>
      <reachability-tlv>
        <system-name>
          system-name
        </system-name>
        <interface-name>
          interface-name
        </interface-name>
        <metric>
          metric
        </metric>
        <tlv-length>
          tlv-length
        </tlv-length>
      </reachability-tlv>
    </vccp-tlv>
  </vccp-database-entry>
</vccp-database>

```

```
</reachability-tlv>
</vccp-tlv>
</vccp-database-entry>
</vccp-database>
```

#### Description

### <reachability-tlv>

#### Usage

```
<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <vccp-tlv>
        <reachability-tlv>
          <system-name>
            system-name
          </system-name>
          <interface-name>
            interface-name
          </interface-name>
          <metric>
            metric
          </metric>
          <tlv-length>
            tlv-length
          </tlv-length>
        </reachability-tlv>
      </vccp-tlv>
    </vccp-database-entry>
  </vccp-database>
</virtual-chassis-database-information>
```

#### Description

### <stable-state-tlv>

#### Usage

```
<vccp-tlv>
  <stable-state-tlv>
    <stable-master>
      stable-master
    </stable-master>
    <stable-backup>
      stable-backup
    </stable-backup>
  </stable-state-tlv>
</vccp-tlv>
```

#### Description

**<stable-state-tlv>****Usage**

```

<vccp-database-entry>
  <vccp-tlv>
    <stable-state-tlv>
      <stable-master>
        stable-master
      </stable-master>
      <stable-backup>
        stable-backup
      </stable-backup>
    </stable-state-tlv>
  </vccp-tlv>
</vccp-database-entry>

```

**Description****<stable-state-tlv>****Usage**

```

<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>
      <stable-state-tlv>
        <stable-master>
          stable-master
        </stable-master>
        <stable-backup>
          stable-backup
        </stable-backup>
      </stable-state-tlv>
    </vccp-tlv>
  </vccp-database-entry>
</vccp-database>

```

**Description****<stable-state-tlv>****Usage**

```

<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <vccp-tlv>
        <stable-state-tlv>
          <stable-master>
            stable-master
          </stable-master>
          <stable-backup>
            stable-backup
          </stable-backup>
        </stable-state-tlv>
      </vccp-tlv>
    </vccp-database-entry>
  </vccp-database>
</virtual-chassis-database-information>

```

```
</vccp-tlv>
</vccp-database-entry>
</vccp-database>
</virtual-chassis-database-information>
```

## Description

### <statistics>

#### Usage

```
<virtual-chassis-port-statistics-information>
  <statistics-port-list>
    <statistics>
      <port-name>
        port-name
      </port-name>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>
        output-packets
      </output-packets>
      <input-unicasts>
        input-unicasts
      </input-unicasts>
      <output-unicasts>
        output-unicasts
      </output-unicasts>
      <input-broadcasts>
        input-broadcasts
      </input-broadcasts>
      <output-broadcasts>
        output-broadcasts
      </output-broadcasts>
      <input-multicasts>
        input-multicasts
      </input-multicasts>
      <output-multicasts>
        output-multicasts
      </output-multicasts>
      <input-mac-control-frames>
        input-mac-control-frames
      </input-mac-control-frames>
      <output-mac-control-frames>
        output-mac-control-frames
      </output-mac-control-frames>
      <crc-align-errors>
        crc-align-errors
      </crc-align-errors>
```



```

<input-oversized-frames>
  input-oversized-frames
</input-oversized-frames>
<input-undersized-frames>
  input-undersized-frames
</input-undersized-frames>
<input-jabber-frames>
  input-jabber-frames
</input-jabber-frames>
<input-fragment-frames>
  input-fragment-frames
</input-fragment-frames>
<interface-tx-errors>
  interface-tx-errors
</interface-tx-errors>
<octets-size-64-count>
  octets-size-64-count
</octets-size-64-count>
<octets-size-65-127-count>
  octets-size-65-127-count
</octets-size-65-127-count>
<octets-size-128-255-count>
  octets-size-128-255-count
</octets-size-128-255-count>
<octets-size-256-511-count>
  octets-size-256-511-count
</octets-size-256-511-count>
<octets-size-512-1023-count>
  octets-size-512-1023-count
</octets-size-512-1023-count>
<octets-size-1024-1518-count>
  octets-size-1024-1518-count
</octets-size-1024-1518-count>
<packet-drop-event>
  packet-drop-event
</packet-drop-event>
<input-pps>
  input-pps
</input-pps>
<output-pps>
  output-pps
</output-pps>
<input-bps>
  input-bps
</input-bps>
<output-bps>
  output-bps
</output-bps>
</statistics>
</statistics-port-list>
</virtual-chassis-port-statistics-information>

```

## Description

### <statistics-port-list>

#### Usage

```
<virtual-chassis-port-statistics-information>
  <statistics-port-list>
    <statistics>....</statistics>
  </statistics-port-list>
</virtual-chassis-port-statistics-information>
```

#### Description

### <task>

#### Usage

```
<task-timer-information>
  <task>
    <task-name>
      task-name
    </task-name>
    <task-timer-priority>....</task-timer-priority>
    <task-timer-summary>....</task-timer-summary>
    <task-timer>....</task-timer>
  </task>
</task-timer-information>
```

#### Description

### <task-account-information>

#### Usage

```
<task-accounting-information>
  <task-account-information>
  </task-account-information>
</task-accounting-information>
```

#### Description

### <task-account-status>

#### Usage

```
<task-accounting-information>
  <task-account-status>
  </task-account-status>
</task-accounting-information>
```

#### Description

### <task-accounting-information>

#### Usage

```
<task-accounting-information>
  <task-acc-task-name>
```

```

    task-acc-task-name
  </task-acc-task-name>
  <task-acc-status>
    task-acc-status
  </task-acc-status>
  <task-acc-task-started>
    task-acc-task-started
  </task-acc-task-started>
  <task-acc-task-user-time>
    task-acc-task-user-time
  </task-acc-task-user-time>
  <task-acc-task-system-time>
    task-acc-task-system-time
  </task-acc-task-system-time>
  <task-acc-task-longest-run>
    task-acc-task-longest-run
  </task-acc-task-longest-run>
  <task-account-status>....</task-account-status>
  <task-account-information>....</task-account-information>
</task-accounting-information>

```

## Description

<task-block>

## Usage

```

<task-block-list>
  <task-block>
    <tb-name>
      tb-name
    </tb-name>
    <tb-size>
      tb-size
    </tb-size>
    <tb-alloc-size>
      tb-alloc-size
    </tb-alloc-size>
    <tb-terse-transient>
      tb-terse-transient
    </tb-terse-transient>
    <tb-terse-fullpage>
      tb-terse-fullpage
    </tb-terse-fullpage>
    <tb-terse-debug>
      tb-terse-debug
    </tb-terse-debug>
    <tb-alloc-blocks>
      tb-alloc-blocks
    </tb-alloc-blocks>
    <tb-alloc-bytes>
      tb-alloc-bytes
    </tb-alloc-bytes>
    <tb-max-alloc-blocks>
      tb-max-alloc-blocks
    </tb-max-alloc-blocks>
  </task-block>
</task-block-list>

```

```
<tb-max-alloc-bytes>
  tb-max-alloc-bytes
</tb-max-alloc-bytes>
</task-block>
</task-block-list>
```

## Description

### <task-block>

#### Usage

```
<task-memory-information>
<task-memory-allocator-report>
<task-block-list>
  <task-block>
    <tb-name>
      tb-name
    </tb-name>
    <tb-size>
      tb-size
    </tb-size>
    <tb-alloc-size>
      tb-alloc-size
    </tb-alloc-size>
    <tb-terse-transient>
      tb-terse-transient
    </tb-terse-transient>
    <tb-terse-fullpage>
      tb-terse-fullpage
    </tb-terse-fullpage>
    <tb-terse-debug>
      tb-terse-debug
    </tb-terse-debug>
    <tb-alloc-blocks>
      tb-alloc-blocks
    </tb-alloc-blocks>
    <tb-alloc-bytes>
      tb-alloc-bytes
    </tb-alloc-bytes>
    <tb-max-alloc-blocks>
      tb-max-alloc-blocks
    </tb-max-alloc-blocks>
    <tb-max-alloc-bytes>
      tb-max-alloc-bytes
    </tb-max-alloc-bytes>
  </task-block>
</task-block-list>
</task-memory-allocator-report>
</task-memory-information>
```

## Description

**<task-block-list>****Usage**

```
<task-block-list>
  <task-block>....</task-block>
</task-block-list>
```

**Description****<task-block-list>****Usage**

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>
      <task-block>....</task-block>
    </task-block-list>
  </task-memory-allocator-report>
</task-memory-information>
```

**Description****<task-io-information>****Usage**

```
<task-io-information>
  <task-io-task-name>
    task-io-task-name
  </task-io-task-name>
  <task-io-read>
    task-io-read
  </task-io-read>
  <task-io-write>
    task-io-write
  </task-io-write>
  <task-io-received>
    task-io-received
  </task-io-received>
  <task-io-sent>
    task-io-sent
  </task-io-sent>
  <task-io-dropped>
    task-io-dropped
  </task-io-dropped>
</task-io-information>
```

**Description****<task-jobs-background>****Usage**

```
<task-jobs-information>
```

```
<task-jobs-background>
</task-jobs-background>
</task-jobs-information>
```

#### Description

**<task-jobs-foreground>**

#### Usage

```
<task-jobs-information>
  <task-jobs-foreground>
</task-jobs-foreground>
</task-jobs-information>
```

#### Description

**<task-jobs-information>**

#### Usage

```
<task-jobs-information>
  <task-jobs-fg-priority>
    task-jobs-fg-priority
  </task-jobs-fg-priority>
  <task-jobs-fg-task-name>
    task-jobs-fg-task-name
  </task-jobs-fg-task-name>
  <task-jobs-fg-wait>
    task-jobs-fg-wait
  </task-jobs-fg-wait>
  <task-jobs-fg-flags>
    task-jobs-fg-flags
  </task-jobs-fg-flags>
  <task-jobs-bg-priority>
    task-jobs-bg-priority
  </task-jobs-bg-priority>
  <task-jobs-bg-task-name>
    task-jobs-bg-task-name
  </task-jobs-bg-task-name>
  <task-jobs-bg-misses>
    task-jobs-bg-misses
  </task-jobs-bg-misses>
  <task-jobs-bg-runs>
    task-jobs-bg-runs
  </task-jobs-bg-runs>
  <task-jobs-bg-wait>
    task-jobs-bg-wait
  </task-jobs-bg-wait>
  <task-jobs-bg-flags>
    task-jobs-bg-flags
  </task-jobs-bg-flags>
  <task-jobs-foreground>....</task-jobs-foreground>
  <task-jobs-background>....</task-jobs-background>
</task-jobs-information>
```

## Description

## &lt;task-lite-page&gt;

## Usage

```

<task-lite-page-list>
  <task-lite-page>
    <tlp-name>
      tlp-name
    </tlp-name>
    <tlp-alloc-pages>
      tlp-alloc-pages
    </tlp-alloc-pages>
    <tlp-alloc-bytes>
      tlp-alloc-bytes
    </tlp-alloc-bytes>
    <tlp-max-alloc-pages>
      tlp-max-alloc-pages
    </tlp-max-alloc-pages>
    <tlp-max-alloc-bytes>
      tlp-max-alloc-bytes
    </tlp-max-alloc-bytes>
  </task-lite-page>
</task-lite-page-list>

```

## Description

## &lt;task-lite-page&gt;

## Usage

```

<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>
        <tlp-name>
          tlp-name
        </tlp-name>
        <tlp-alloc-pages>
          tlp-alloc-pages
        </tlp-alloc-pages>
        <tlp-alloc-bytes>
          tlp-alloc-bytes
        </tlp-alloc-bytes>
        <tlp-max-alloc-pages>
          tlp-max-alloc-pages
        </tlp-max-alloc-pages>
        <tlp-max-alloc-bytes>
          tlp-max-alloc-bytes
        </tlp-max-alloc-bytes>
      </task-lite-page>
    </task-lite-page-list>
  </task-memory-allocator-report>
</task-memory-information>

```

**Description****<task-lite-page-list>****Usage**

```
<task-lite-page-list>
  <task-lite-page>....</task-lite-page>
</task-lite-page-list>
```

**Description****<task-lite-page-list>****Usage**

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>....</task-lite-page>
    </task-lite-page-list>
  </task-memory-allocator-report>
</task-memory-information>
```

**Description****<task-malloc>****Usage**

```
<task-malloc-list>
  <task-malloc>
    <tm-name>
      tm-name
    </tm-name>
    <tm-allocs>
      tm-allocs
    </tm-allocs>
    <tm-alloc-bytes>
      tm-alloc-bytes
    </tm-alloc-bytes>
    <tm-max-allocs>
      tm-max-allocs
    </tm-max-allocs>
    <tm-max-alloc-bytes>
      tm-max-alloc-bytes
    </tm-max-alloc-bytes>
    <tm-function-calls>
      tm-function-calls
    </tm-function-calls>
  </task-malloc>
</task-malloc-list>
```

**Description**



**<task-malloc>****Usage**

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>
        <tm-name>
          tm-name
        </tm-name>
        <tm-allocs>
          tm-allocs
        </tm-allocs>
        <tm-alloc-bytes>
          tm-alloc-bytes
        </tm-alloc-bytes>
        <tm-max-allocs>
          tm-max-allocs
        </tm-max-allocs>
        <tm-max-alloc-bytes>
          tm-max-alloc-bytes
        </tm-max-alloc-bytes>
        <tm-function-calls>
          tm-function-calls
        </tm-function-calls>
      </task-malloc>
    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

**Description****<task-malloc-list>****Usage**

```

<task-malloc-list>
  <task-malloc>....</task-malloc>
</task-malloc-list>

```

**Description****<task-malloc-list>****Usage**

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>....</task-malloc>
    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

## Description

### <task-memory-allocator-report>

#### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>....</task-block-list>
    <task-lite-page-list>....</task-lite-page-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-allocator-report>
</task-memory-information>
```

## Description

### <task-memory-information>

#### Usage

```
<task-memory-information>
  <task-memory-in-use-size>
    task-memory-in-use-size
  </task-memory-in-use-size>
  <task-memory-in-use-avail>
    task-memory-in-use-avail
  </task-memory-in-use-avail>
  <task-memory-max-size>
    task-memory-max-size
  </task-memory-max-size>
  <task-memory-max-avail>
    task-memory-max-avail
  </task-memory-max-avail>
  <task-memory-max-when>
    task-memory-max-when
  </task-memory-max-when>
  <task-memory-free-size>
    task-memory-free-size
  </task-memory-free-size>
  <task-memory-overall-report>....</task-memory-overall-report>
  <task-memory-allocator-report>....</task-memory-allocator-report>
  <task-memory-malloc-usage-report>....</task-memory-malloc-usage-report>
  <task-memory-dynamic-allocs>
    task-memory-dynamic-allocs
  </task-memory-dynamic-allocs>
  <task-memory-max-dynamic-allocs>
    task-memory-max-dynamic-allocs
  </task-memory-max-dynamic-allocs>
  <task-memory-bss-bytes>
    task-memory-bss-bytes
  </task-memory-bss-bytes>
  <task-memory-max-bss-bytes>
```

```

    task-memory-max-bss-bytes
  </task-memory-max-bss-bytes>
  <task-memory-page-data-bytes>
    task-memory-page-data-bytes
  </task-memory-page-data-bytes>
  <task-memory-max-page-data-bytes>
    task-memory-max-page-data-bytes
  </task-memory-max-page-data-bytes>
  <task-memory-dir-bytes>
    task-memory-dir-bytes
  </task-memory-dir-bytes>
  <task-memory-max-dir-bytes>
    task-memory-max-dir-bytes
  </task-memory-max-dir-bytes>
  <task-memory-total-bytes-in-use>
    task-memory-total-bytes-in-use
  </task-memory-total-bytes-in-use>
  <task-memory-total-bytes-percent>
    task-memory-total-bytes-percent
  </task-memory-total-bytes-percent>
</task-memory-information>

```

#### Description

### <task-memory-malloc-usage-report>

#### Usage

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>....</task-malloc-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

#### Description

### <task-memory-overall-report>

#### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>....</task-size-block-list>
    <task-memory-stats-list>....</task-memory-stats-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-overall-report>
</task-memory-information>

```

```
<task-memory-total-free-bytes>
  task-memory-total-free-bytes
</task-memory-total-free-bytes>
</task-memory-overall-report>
</task-memory-information>
```

#### Description

### <task-memory-stats>

#### Usage

```
<task-memory-stats>
  <tms-name>
    tms-name
  </tms-name>
  <tms-allocs>
    tms-allocs
  </tms-allocs>
  <tms-mallocs>
    tms-mallocs
  </tms-mallocs>
  <tms-alloc-bytes>
    tms-alloc-bytes
  </tms-alloc-bytes>
  <tms-max-allocs>
    tms-max-allocs
  </tms-max-allocs>
  <tms-max-bytes>
    tms-max-bytes
  </tms-max-bytes>
  <tms-free-bytes>
    tms-free-bytes
  </tms-free-bytes>
</task-memory-stats>
```

#### Description

### <task-memory-stats>

#### Usage

```
<task-memory-information>
  <task-memory-overall-report>
    <task-memory-stats-list>
      <task-memory-stats>
        <tms-name>
          tms-name
        </tms-name>
        <tms-allocs>
          tms-allocs
        </tms-allocs>
        <tms-mallocs>
          tms-mallocs
        </tms-mallocs>
        <tms-alloc-bytes>
```

```

        tms-alloc-bytes
      </tms-alloc-bytes>
      <tms-max-allocs>
        tms-max-allocs
      </tms-max-allocs>
      <tms-max-bytes>
        tms-max-bytes
      </tms-max-bytes>
      <tms-free-bytes>
        tms-free-bytes
      </tms-free-bytes>
    </task-memory-stats>
  </task-memory-stats-list>
</task-memory-overall-report>
</task-memory-information>

```

**Description****<task-memory-stats-list>****Usage**

```

<task-memory-information>
  <task-memory-overall-report>
    <task-memory-stats-list>
      <task-memory-stats>....</task-memory-stats>
    </task-memory-stats-list>
  </task-memory-overall-report>
</task-memory-information>

```

**Description****<task-replication-state>****Usage**

```

<task-replication-state>
  <task-gres-state>
    task-gres-state
  </task-gres-state>
  <task-re-mode>
    task-re-mode
  </task-re-mode>
</task-replication-state>

```

**Description** Current state of task replication

**<task-size-block>****Usage**

```

<task-size-block-list>
  <task-size-block>
    <tsb-size>
      tsb-size
    
```

```

</tsb-size>
<tsb-terse-transient>
  tsb-terse-transient
</tsb-terse-transient>
<tsb-terse-fullpage>
  tsb-terse-fullpage
</tsb-terse-fullpage>
<tsb-allocs>
  tsb-allocs
</tsb-allocs>
<tsb-mallocs>
  tsb-mallocs
</tsb-mallocs>
<tsb-alloc-bytes>
  tsb-alloc-bytes
</tsb-alloc-bytes>
<tsb-max-allocs>
  tsb-max-allocs
</tsb-max-allocs>
<tsb-max-bytes>
  tsb-max-bytes
</tsb-max-bytes>
<tsb-free-bytes>
  tsb-free-bytes
</tsb-free-bytes>
</task-size-block>
</task-size-block-list>

```

## Description

### <task-size-block>

#### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>
      <task-size-block>
        <tsb-size>
          tsb-size
        </tsb-size>
        <tsb-terse-transient>
          tsb-terse-transient
        </tsb-terse-transient>
        <tsb-terse-fullpage>
          tsb-terse-fullpage
        </tsb-terse-fullpage>
        <tsb-allocs>
          tsb-allocs
        </tsb-allocs>
        <tsb-mallocs>
          tsb-mallocs
        </tsb-mallocs>
        <tsb-alloc-bytes>
          tsb-alloc-bytes
        </tsb-alloc-bytes>
      </task-size-block>
    </task-size-block-list>
  </task-memory-overall-report>
</task-memory-information>

```

```

    <tsb-max-allocs>
      tsb-max-allocs
    </tsb-max-allocs>
    <tsb-max-bytes>
      tsb-max-bytes
    </tsb-max-bytes>
    <tsb-free-bytes>
      tsb-free-bytes
    </tsb-free-bytes>
  </task-size-block>
</task-size-block-list>
</task-memory-overall-report>
</task-memory-information>

```

#### Description

### <task-size-block-list>

#### Usage

```

<task-size-block-list>
  <task-size-block>....</task-size-block>
</task-size-block-list>

```

#### Description

### <task-size-block-list>

#### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>
      <task-size-block>....</task-size-block>
    </task-size-block-list>
  </task-memory-overall-report>
</task-memory-information>

```

#### Description

### <task-statistics-information>

#### Usage

```

<task-statistics-information>
  <task-stat-event-name>
    task-stat-event-name
  </task-stat-event-name>
  <task-stat-event-count>
    task-stat-event-count
  </task-stat-event-count>
</task-statistics-information>

```

#### Description

## <task-summary-information>

### Usage

```
<task-summary-information>
  <task-summary-priority>
    task-summary-priority
  </task-summary-priority>
  <task-summary-task-name>
    task-summary-task-name
  </task-summary-task-name>
  <task-summary-protocol>
    task-summary-protocol
  </task-summary-protocol>
  <task-summary-port>
    task-summary-port
  </task-summary-port>
  <task-summary-socket>
    task-summary-socket
  </task-summary-socket>
  <task-summary-flags>
    task-summary-flags
  </task-summary-flags>
</task-summary-information>
```

### Description

## <task-timer>

### Usage

```
<task-timer>
  <timer-name>
    timer-name
  </timer-name>
  <timer-late>
    timer-late
  </timer-late>
  <timer-expires>
    timer-expires
  </timer-expires>
  <timer-jitter>
    timer-jitter
  </timer-jitter>
  <timer-interval>
    timer-interval
  </timer-interval>
  <timer-flags>
    timer-flags
  </timer-flags>
</task-timer>
```

### Description



**<task-timer>****Usage**

```

<task-timer-information>
  <task>
    <task-timer>
      <timer-name>
        timer-name
      </timer-name>
      <timer-late>
        timer-late
      </timer-late>
      <timer-expires>
        timer-expires
      </timer-expires>
      <timer-jitter>
        timer-jitter
      </timer-jitter>
      <timer-interval>
        timer-interval
      </timer-interval>
      <timer-flags>
        timer-flags
      </timer-flags>
    </task-timer>
  </task>
</task-timer-information>

```

**Description****<task-timer-information>****Usage**

```

<task-timer-information>
  <task>....</task>
</task-timer-information>

```

**Description****<task-timer-priority>****Usage**

```

<task-timer-priority>
  <task-timer-type>
    task-timer-type
  </task-timer-type>
</task-timer-priority>

```

**Description**

### <task-timer-priority>

#### Usage

```
<task-timer-information>
<task>
  <task-timer-priority>
    <task-timer-type>
      task-timer-type
    </task-timer-type>
  </task-timer-priority>
</task>
</task-timer-information>
```

#### Description

### <task-timer-summary>

#### Usage

```
<task-timer-summary>
<task-timer-leaf>
  task-timer-leaf
</task-timer-leaf>
<task-timer-parent>
  task-timer-parent
</task-timer-parent>
<task-timer-expired>
  task-timer-expired
</task-timer-expired>
</task-timer-summary>
```

#### Description

### <task-timer-summary>

#### Usage

```
<task-timer-information>
<task>
  <task-timer-summary>
    <task-timer-leaf>
      task-timer-leaf
    </task-timer-leaf>
    <task-timer-parent>
      task-timer-parent
    </task-timer-parent>
    <task-timer-expired>
      task-timer-expired
    </task-timer-expired>
  </task-timer-summary>
</task>
</task-timer-information>
```

#### Description

**<test-information>****Usage**

```

<virtual-chassis-diagnostic-information>
  <test-information>
    <test-name>
      test-name
    </test-name>
  </test-information>
</virtual-chassis-diagnostic-information>

```

**Description** Details of the test

**<tlv-stragglers>****Usage**

```

<vccp-tlv>
  <tlv-stragglers>
    <bytes-left>
      bytes-left
    </bytes-left>
  </tlv-stragglers>
</vccp-tlv>

```

**Description**

**<tlv-stragglers>****Usage**

```

<vccp-database-entry>
  <vccp-tlv>
    <tlv-stragglers>
      <bytes-left>
        bytes-left
      </bytes-left>
    </tlv-stragglers>
  </vccp-tlv>
</vccp-database-entry>

```

**Description**

**<tlv-stragglers>****Usage**

```

<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>
      <tlv-stragglers>
        <bytes-left>
          bytes-left
        </bytes-left>
      </tlv-stragglers>
    </vccp-tlv>
  </vccp-database-entry>
</vccp-database>

```

```
</vccp-tlv>
</vccp-database-entry>
</vccp-database>
```

#### Description

### <tlv-stragglers>

#### Usage

```
<virtual-chassis-database-information>
<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>
      <tlv-stragglers>
        <bytes-left>
          bytes-left
        </bytes-left>
      </tlv-stragglers>
    </vccp-tlv>
  </vccp-database-entry>
</vccp-database>
</virtual-chassis-database-information>
```

#### Description

### <topology-tlv>

#### Usage

```
<vccp-tlv>
  <topology-tlv>
    <system-name>
      system-name
    </system-name>
  </topology-tlv>
</vccp-tlv>
```

#### Description

### <topology-tlv>

#### Usage

```
<vccp-database-entry>
  <vccp-tlv>
    <topology-tlv>
      <system-name>
        system-name
      </system-name>
    </topology-tlv>
  </vccp-tlv>
</vccp-database-entry>
```

#### Description

**<topology-tlv>****Usage**

```

<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>
      <topology-tlv>
        <system-name>
          system-name
        </system-name>
      </topology-tlv>
    </vccp-tlv>
  </vccp-database-entry>
</vccp-database>

```

**Description****<topology-tlv>****Usage**

```

<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <vccp-tlv>
        <topology-tlv>
          <system-name>
            system-name
          </system-name>
        </topology-tlv>
      </vccp-tlv>
    </vccp-database-entry>
  </vccp-database>
</virtual-chassis-database-information>

```

**Description****<totals-information>****Usage**

```

<vccp-statistics>
  <totals-information>
    <packets-received>
      packets-received
    </packets-received>
    <packets-sent>
      packets-sent
    </packets-sent>
  </totals-information>
</vccp-statistics>

```

**Description**

## <totals-information>

### Usage

```
<virtual-chassis-statistics-information>
  <vccp-statistics>
    <totals-information>
      <packets-received>
        packets-received
      </packets-received>
      <packets-sent>
        packets-sent
      </packets-sent>
    </totals-information>
  </vccp-statistics>
</virtual-chassis-statistics-information>
```

### Description

## <tracing-information>

### Usage

```
<tracing-information>
  <flags>
    flags
  </flags>
  <filename>
    filename
  </filename>
  <filesize>
    filesize
  </filesize>
  <filelimit>
    filelimit
  </filelimit>
</tracing-information>
```

### Description

## <transmission-status>

### Usage

```
<transmission-status>
  <transmit-count>
    transmit-count
  </transmit-count>
  <message>
    message
  </message>
  <interface-name>
    interface-name
  </interface-name>
  <transmit-time>
    transmit-time
  </transmit-time>
</transmission-status>
```

```

    </transmit-time>
  </transmission-status>

```

#### Description

### <transmission-status>

#### Usage

```

<vccp-database-entry>
  <transmission-status>
    <transmit-count>
      transmit-count
    </transmit-count>
    <message>
      message
    </message>
    <interface-name>
      interface-name
    </interface-name>
    <transmit-time>
      transmit-time
    </transmit-time>
  </transmission-status>
</vccp-database-entry>

```

#### Description

### <transmission-status>

#### Usage

```

<vccp-database>
  <vccp-database-entry>
    <transmission-status>
      <transmit-count>
        transmit-count
      </transmit-count>
      <message>
        message
      </message>
      <interface-name>
        interface-name
      </interface-name>
      <transmit-time>
        transmit-time
      </transmit-time>
    </transmission-status>
  </vccp-database-entry>
</vccp-database>

```

#### Description

## <transmission-status>

### Usage

```
<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <transmission-status>
        <transmit-count>
          transmit-count
        </transmit-count>
        <message>
          message
        </message>
        <interface-name>
          interface-name
        </interface-name>
        <transmit-time>
          transmit-time
        </transmit-time>
      </transmission-status>
    </vccp-database-entry>
  </vccp-database>
</virtual-chassis-database-information>
```

### Description

## <unknown-tlv>

### Usage

```
<vccp-tlv>
  <unknown-tlv>
    <tlv-type>
      tlv-type
    </tlv-type>
    <tlv-length>
      tlv-length
    </tlv-length>
  </unknown-tlv>
</vccp-tlv>
```

### Description

## <unknown-tlv>

### Usage

```
<vccp-database-entry>
  <vccp-tlv>
    <unknown-tlv>
      <tlv-type>
        tlv-type
      </tlv-type>
      <tlv-length>
        tlv-length
      </tlv-length>
    </unknown-tlv>
  </vccp-tlv>
</vccp-database-entry>
```



```

    </tlv-length>
  </unknown-tlv>
</vccp-tlv>
</vccp-database-entry>

```

**Description****<unknown-tlv>****Usage**

```

<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>
      <unknown-tlv>
        <tlv-type>
          tlv-type
        </tlv-type>
        <tlv-length>
          tlv-length
        </tlv-length>
      </unknown-tlv>
    </vccp-tlv>
  </vccp-database-entry>
</vccp-database>

```

**Description****<unknown-tlv>****Usage**

```

<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <vccp-tlv>
        <unknown-tlv>
          <tlv-type>
            tlv-type
          </tlv-type>
          <tlv-length>
            tlv-length
          </tlv-length>
        </unknown-tlv>
      </vccp-tlv>
    </vccp-database-entry>
  </vccp-database>
</virtual-chassis-database-information>

```

**Description****<vccp-adjacency>****Usage**

```

<vccp-adjacency>

```

```
<interface-name>
  interface-name
</interface-name>
<system-name>
  system-name
</system-name>
<adjacency-state>
  adjacency-state
</adjacency-state>
<holdtime>
  holdtime
</holdtime>
<interface-priority>
  interface-priority
</interface-priority>
<transition-count>
  transition-count
</transition-count>
<last-transition-time>
  last-transition-time
</last-transition-time>
<adjacency-flag>
  adjacency-flag
</adjacency-flag>
<vccp-adjacency-log>....</vccp-adjacency-log>
</vccp-adjacency>
```

## Description

### <vccp-adjacency>

#### Usage

```
<virtual-chassis-adjacency-information>
  <vccp-adjacency>
    <interface-name>
      interface-name
    </interface-name>
    <system-name>
      system-name
    </system-name>
    <adjacency-state>
      adjacency-state
    </adjacency-state>
    <holdtime>
      holdtime
    </holdtime>
    <interface-priority>
      interface-priority
    </interface-priority>
    <transition-count>
      transition-count
    </transition-count>
    <last-transition-time>
      last-transition-time
    </last-transition-time>
```

```

    <adjacency-flag>
      adjacency-flag
    </adjacency-flag>
    <vccp-adjacency-log>....</vccp-adjacency-log>
  </vccp-adjacency>
</virtual-chassis-adjacency-information>

```

#### Description

#### <vccp-adjacency-log>

##### Usage

```

<vccp-adjacency>
  <vccp-adjacency-log>
    <adjacency-when>
      adjacency-when
    </adjacency-when>
    <adjacency-state>
      adjacency-state
    </adjacency-state>
    <adjacency-event>
      adjacency-event
    </adjacency-event>
    <adjacency-down-reason>
      adjacency-down-reason
    </adjacency-down-reason>
  </vccp-adjacency-log>
</vccp-adjacency>

```

**Description** Entry describing adjacency transition

#### <vccp-adjacency-log>

##### Usage

```

<virtual-chassis-adjacency-information>
  <vccp-adjacency>
    <vccp-adjacency-log>
      <adjacency-when>
        adjacency-when
      </adjacency-when>
      <adjacency-state>
        adjacency-state
      </adjacency-state>
      <adjacency-event>
        adjacency-event
      </adjacency-event>
      <adjacency-down-reason>
        adjacency-down-reason
      </adjacency-down-reason>
    </vccp-adjacency-log>
  </vccp-adjacency>
</virtual-chassis-adjacency-information>

```

**Description** Entry describing adjacency transition

### <vccp-database>

**Usage**

```
<vccp-database>
  <vccp-database-entry>....</vccp-database-entry>
  <lsp-count>
    lsp-count
  </lsp-count>
</vccp-database>
```

**Description**

### <vccp-database>

**Usage**

```
<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>....</vccp-database-entry>
    <lsp-count>
      lsp-count
    </lsp-count>
  </vccp-database>
</virtual-chassis-database-information>
```

**Description**

### <vccp-database-entry>

**Usage**

```
<vccp-database-entry>
  <lsp-id>
    lsp-id
  </lsp-id>
  <sequence-number>
    sequence-number
  </sequence-number>
  <checksum>
    checksum
  </checksum>
  <remaining-lifetime>
    remaining-lifetime
  </remaining-lifetime>
  <vccp-isis-neighbor>....</vccp-isis-neighbor>
  <vccp-header>....</vccp-header>
  <vccp-packet>....</vccp-packet>
  <lsp-stub>
    lsp-stub
  </lsp-stub>
  <vccp-tlv>....</vccp-tlv>
  <transmission-status>....</transmission-status>
```

</vccp-database-entry>

#### Description

<vccp-database-entry>

#### Usage

```
<vccp-database>
  <vccp-database-entry>
    <lsp-id>
      lsp-id
    </lsp-id>
    <sequence-number>
      sequence-number
    </sequence-number>
    <checksum>
      checksum
    </checksum>
    <remaining-lifetime>
      remaining-lifetime
    </remaining-lifetime>
    <vccp-isis-neighbor>....</vccp-isis-neighbor>
    <vccp-header>....</vccp-header>
    <vccp-packet>....</vccp-packet>
    <lsp-stub>
      lsp-stub
    </lsp-stub>
    <vccp-tlv>....</vccp-tlv>
    <transmission-status>....</transmission-status>
  </vccp-database-entry>
</vccp-database>
```

#### Description

<vccp-database-entry>

#### Usage

```
<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <lsp-id>
        lsp-id
      </lsp-id>
      <sequence-number>
        sequence-number
      </sequence-number>
      <checksum>
        checksum
      </checksum>
      <remaining-lifetime>
        remaining-lifetime
      </remaining-lifetime>
      <vccp-isis-neighbor>....</vccp-isis-neighbor>
      <vccp-header>....</vccp-header>
```

```
<vccp-packet>....</vccp-packet>
<lsp-stub>
  lsp-stub
</lsp-stub>
<vccp-tlv>....</vccp-tlv>
<transmission-status>....</transmission-status>
</vccp-database-entry>
</vccp-database>
</virtual-chassis-database-information>
```

#### Description

### <vccp-header>

#### Usage

```
<vccp-header>
<lsp-id>
  lsp-id
</lsp-id>
<pdu-length>
  pdu-length
</pdu-length>
<allocated-length>
  allocated-length
</allocated-length>
<remaining-lifetime>
  remaining-lifetime
</remaining-lifetime>
<interface-index>
  interface-index
</interface-index>
<estimated-free-bytes>
  estimated-free-bytes
</estimated-free-bytes>
<actual-free-bytes>
  actual-free-bytes
</actual-free-bytes>
<lsdb-timer-type>
  lsdb-timer-type
</lsdb-timer-type>
<lsdb-expiration-time>
  lsdb-expiration-time
</lsdb-expiration-time>
<needs-rebuild>
  needs-rebuild
</needs-rebuild>
</vccp-header>
```

#### Description

### <vccp-header>

#### Usage

```
<vccp-database-entry>
```

```

<vccp-header>
  <lsp-id>
    lsp-id
  </lsp-id>
  <pdu-length>
    pdu-length
  </pdu-length>
  <allocated-length>
    allocated-length
  </allocated-length>
  <remaining-lifetime>
    remaining-lifetime
  </remaining-lifetime>
  <interface-index>
    interface-index
  </interface-index>
  <estimated-free-bytes>
    estimated-free-bytes
  </estimated-free-bytes>
  <actual-free-bytes>
    actual-free-bytes
  </actual-free-bytes>
  <lsdb-timer-type>
    lsdb-timer-type
  </lsdb-timer-type>
  <lsdb-expiration-time>
    lsdb-expiration-time
  </lsdb-expiration-time>
  <needs-rebuild>
    needs-rebuild
  </needs-rebuild>
</vccp-header>
</vccp-database-entry>

```

## Description

### <vccp-header>

#### Usage

```

<vccp-database>
  <vccp-database-entry>
    <vccp-header>
      <lsp-id>
        lsp-id
      </lsp-id>
      <pdu-length>
        pdu-length
      </pdu-length>
      <allocated-length>
        allocated-length
      </allocated-length>
      <remaining-lifetime>
        remaining-lifetime
      </remaining-lifetime>
      <interface-index>

```

```
    interface-index
  </interface-index>
  <estimated-free-bytes>
    estimated-free-bytes
  </estimated-free-bytes>
  <actual-free-bytes>
    actual-free-bytes
  </actual-free-bytes>
  <lsdb-timer-type>
    lsdb-timer-type
  </lsdb-timer-type>
  <lsdb-expiration-time>
    lsdb-expiration-time
  </lsdb-expiration-time>
  <needs-rebuild>
    needs-rebuild
  </needs-rebuild>
</vccp-header>
</vccp-database-entry>
</vccp-database>
```

## Description

### <vccp-header>

#### Usage

```
<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <vccp-header>
        <lsp-id>
          lsp-id
        </lsp-id>
        <pdu-length>
          pdu-length
        </pdu-length>
        <allocated-length>
          allocated-length
        </allocated-length>
        <remaining-lifetime>
          remaining-lifetime
        </remaining-lifetime>
        <interface-index>
          interface-index
        </interface-index>
        <estimated-free-bytes>
          estimated-free-bytes
        </estimated-free-bytes>
        <actual-free-bytes>
          actual-free-bytes
        </actual-free-bytes>
        <lsdb-timer-type>
          lsdb-timer-type
        </lsdb-timer-type>
        <lsdb-expiration-time>
```



```

        lsdbs-expiration-time
      </lsdb-expiration-time>
      <needs-rebuild>
        needs-rebuild
      </needs-rebuild>
    </vccp-header>
  </vccp-database-entry>
</vccp-database>
</virtual-chassis-database-information>

```

## Description

### <vccp-interface>

#### Usage

```

<vccp-interface>
  <interface-name>
    interface-name
  </interface-name>
  <vccp-interface-state>
    vccp-interface-state
  </vccp-interface-state>
  <interface-disabled-flag>
    interface-disabled-flag
  </interface-disabled-flag>
  <metric>
    metric
  </metric>
  <interface-index>
    interface-index
  </interface-index>
  <interface-state-value>
    interface-state-value
  </interface-state-value>
  <lsp-interval>
    lsp-interval
  </lsp-interval>
  <hello-padding>
    hello-padding
  </hello-padding>
  <system-name>
    system-name
  </system-name>
  <interface-level-data>....</interface-level-data>
</vccp-interface>

```

## Description

### <vccp-interface>

#### Usage

```

<virtual-chassis-interface-information>
  <vccp-interface>
    <interface-name>

```

```
    interface-name
  </interface-name>
  <vccp-interface-state>
    vccp-interface-state
  </vccp-interface-state>
  <interface-disabled-flag>
    interface-disabled-flag
  </interface-disabled-flag>
  <metric>
    metric
  </metric>
  <interface-index>
    interface-index
  </interface-index>
  <interface-state-value>
    interface-state-value
  </interface-state-value>
  <lsp-interval>
    lsp-interval
  </lsp-interval>
  <hello-padding>
    hello-padding
  </hello-padding>
  <system-name>
    system-name
  </system-name>
  <interface-level-data>....</interface-level-data>
</vccp-interface>
</virtual-chassis-interface-information>
```

#### Description

### <vccp-isis-neighbor>

#### Usage

```
<vccp-isis-neighbor>
  <is-neighbor-id>
    is-neighbor-id
  </is-neighbor-id>
  <interface-name>
    interface-name
  </interface-name>
  <metric>
    metric
  </metric>
</vccp-isis-neighbor>
```

#### Description

### <vccp-isis-neighbor>

#### Usage

```
<vccp-database-entry>
  <vccp-isis-neighbor>
```

```

<is-neighbor-id>
  is-neighbor-id
</is-neighbor-id>
<interface-name>
  interface-name
</interface-name>
<metric>
  metric
</metric>
</vccp-isis-neighbor>
</vccp-database-entry>

```

#### Description

#### <vccp-isis-neighbor>

##### Usage

```

<vccp-database>
  <vccp-database-entry>
    <vccp-isis-neighbor>
      <is-neighbor-id>
        is-neighbor-id
      </is-neighbor-id>
      <interface-name>
        interface-name
      </interface-name>
      <metric>
        metric
      </metric>
    </vccp-isis-neighbor>
  </vccp-database-entry>
</vccp-database>

```

#### Description

#### <vccp-isis-neighbor>

##### Usage

```

<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <vccp-isis-neighbor>
        <is-neighbor-id>
          is-neighbor-id
        </is-neighbor-id>
        <interface-name>
          interface-name
        </interface-name>
        <metric>
          metric
        </metric>
      </vccp-isis-neighbor>
    </vccp-database-entry>
  </vccp-database>

```

</virtual-chassis-database-information>

#### Description

<vccp-packet>

#### Usage

```
<vccp-packet>
  <lsp-id>
    lsp-id
  </lsp-id>
  <pdu-length>
    pdu-length
  </pdu-length>
  <pdu-lifetime>
    pdu-lifetime
  </pdu-lifetime>
  <checksum>
    checksum
  </checksum>
  <sequence-number>
    sequence-number
  </sequence-number>
  <lsp-length>
    lsp-length
  </lsp-length>
  <pdu-version>
    pdu-version
  </pdu-version>
  <system-id-length>
    system-id-length
  </system-id-length>
  <vccp-packet-type>
    vccp-packet-type
  </vccp-packet-type>
  <software-major-version>
    software-major-version
  </software-major-version>
  <software-minor-version>
    software-minor-version
  </software-minor-version>
</vccp-packet>
```

#### Description

<vccp-packet>

#### Usage

```
<vccp-database-entry>
  <vccp-packet>
    <lsp-id>
      lsp-id
    </lsp-id>
    <pdu-length>
```

```

    pdu-length
  </pdu-length>
  <pdu-lifetime>
    pdu-lifetime
  </pdu-lifetime>
  <checksum>
    checksum
  </checksum>
  <sequence-number>
    sequence-number
  </sequence-number>
  <lsp-length>
    lsp-length
  </lsp-length>
  <pdu-version>
    pdu-version
  </pdu-version>
  <system-id-length>
    system-id-length
  </system-id-length>
  <vccp-packet-type>
    vccp-packet-type
  </vccp-packet-type>
  <software-major-version>
    software-major-version
  </software-major-version>
  <software-minor-version>
    software-minor-version
  </software-minor-version>
</vccp-packet>
</vccp-database-entry>

```

## Description

<vccp-packet>

## Usage

```

<vccp-database>
  <vccp-database-entry>
    <vccp-packet>
      <lsp-id>
        lsp-id
      </lsp-id>
      <pdu-length>
        pdu-length
      </pdu-length>
      <pdu-lifetime>
        pdu-lifetime
      </pdu-lifetime>
      <checksum>
        checksum
      </checksum>
      <sequence-number>
        sequence-number
      </sequence-number>
    </vccp-packet>
  </vccp-database-entry>
</vccp-database>

```

```
<lsp-length>
  lsp-length
</lsp-length>
<pdu-version>
  pdu-version
</pdu-version>
<system-id-length>
  system-id-length
</system-id-length>
<vccp-packet-type>
  vccp-packet-type
</vccp-packet-type>
<software-major-version>
  software-major-version
</software-major-version>
<software-minor-version>
  software-minor-version
</software-minor-version>
</vccp-packet>
</vccp-database-entry>
</vccp-database>
```

## Description

### <vccp-packet>

#### Usage

```
<virtual-chassis-database-information>
<vccp-database>
<vccp-database-entry>
<vccp-packet>
<lsp-id>
  lsp-id
</lsp-id>
<pdu-length>
  pdu-length
</pdu-length>
<pdu-lifetime>
  pdu-lifetime
</pdu-lifetime>
<checksum>
  checksum
</checksum>
<sequence-number>
  sequence-number
</sequence-number>
<lsp-length>
  lsp-length
</lsp-length>
<pdu-version>
  pdu-version
</pdu-version>
<system-id-length>
  system-id-length
</system-id-length>
```

```

    <vccp-packet-type>
      vccp-packet-type
    </vccp-packet-type>
    <software-major-version>
      software-major-version
    </software-major-version>
    <software-minor-version>
      software-minor-version
    </software-minor-version>
  </vccp-packet>
</vccp-database-entry>
</vccp-database>
</virtual-chassis-database-information>

```

#### Description

### <vccp-pdu-statistics>

#### Usage

```

<vccp-pdu-statistics>
  <vccp-pdu-type>
    vccp-pdu-type
  </vccp-pdu-type>
  <packets-received>
    packets-received
  </packets-received>
  <packets-processed>
    packets-processed
  </packets-processed>
  <packets-dropped>
    packets-dropped
  </packets-dropped>
  <packets-sent>
    packets-sent
  </packets-sent>
  <packets-retransmitted>
    packets-retransmitted
  </packets-retransmitted>
</vccp-pdu-statistics>

```

#### Description

### <vccp-pdu-statistics>

#### Usage

```

<vccp-statistics>
  <vccp-pdu-statistics>
    <vccp-pdu-type>
      vccp-pdu-type
    </vccp-pdu-type>
    <packets-received>
      packets-received
    </packets-received>
    <packets-processed>

```

```
    packets-processed
  </packets-processed>
  <packets-dropped>
    packets-dropped
  </packets-dropped>
  <packets-sent>
    packets-sent
  </packets-sent>
  <packets-retransmitted>
    packets-retransmitted
  </packets-retransmitted>
</vccp-pdu-statistics>
</vccp-statistics>
```

#### Description

### <vccp-pdu-statistics>

#### Usage

```
<virtual-chassis-statistics-information>
  <vccp-statistics>
    <vccp-pdu-statistics>
      <vccp-pdu-type>
        vccp-pdu-type
      </vccp-pdu-type>
      <packets-received>
        packets-received
      </packets-received>
      <packets-processed>
        packets-processed
      </packets-processed>
      <packets-dropped>
        packets-dropped
      </packets-dropped>
      <packets-sent>
        packets-sent
      </packets-sent>
      <packets-retransmitted>
        packets-retransmitted
      </packets-retransmitted>
    </vccp-pdu-statistics>
  </vccp-statistics>
</virtual-chassis-statistics-information>
```

#### Description

### <vccp-route>

#### Usage

```
<vccp-route>
  <system-name>
    system-name
  </system-name>
  <route-version>
```



```

    route-version
  </route-version>
  <metric>
    metric
  </metric>
  <interface-name>
    interface-name
  </interface-name>
  <vccp-next-hop>
    vccp-next-hop
  </vccp-next-hop>
</vccp-route>

```

#### Description

#### <vccp-route>

#### Usage

```

<vccp-routing-table>
  <vccp-route>
    <system-name>
      system-name
    </system-name>
    <route-version>
      route-version
    </route-version>
    <metric>
      metric
    </metric>
    <interface-name>
      interface-name
    </interface-name>
    <vccp-next-hop>
      vccp-next-hop
    </vccp-next-hop>
  </vccp-route>
</vccp-routing-table>

```

#### Description

#### <vccp-route>

#### Usage

```

<virtual-chassis-route-information>
  <vccp-routing-table>
    <vccp-route>
      <system-name>
        system-name
      </system-name>
      <route-version>
        route-version
      </route-version>
      <metric>
        metric

```

```
</metric>
<interface-name>
  interface-name
</interface-name>
<vccp-next-hop>
  vccp-next-hop
</vccp-next-hop>
</vccp-route>
</vccp-routing-table>
</virtual-chassis-route-information>
```

#### Description

### <vccp-routing-table>

#### Usage

```
<vccp-routing-table>
  <vccp-rtttype>
    vccp-rtttype
  </vccp-rtttype>
  <system-name>
    system-name
  </system-name>
  <table-version>
    table-version
  </table-version>
  <vccp-route>....</vccp-route>
</vccp-routing-table>
```

#### Description

### <vccp-routing-table>

#### Usage

```
<virtual-chassis-route-information>
  <vccp-routing-table>
    <vccp-rtttype>
      vccp-rtttype
    </vccp-rtttype>
    <system-name>
      system-name
    </system-name>
    <table-version>
      table-version
    </table-version>
    <vccp-route>....</vccp-route>
  </vccp-routing-table>
</virtual-chassis-route-information>
```

#### Description

**<vccp-statistics>****Usage**

```

<vccp-statistics>
  <system-name>
    system-name
  </system-name>
  <vccp-pdu-statistics>....</vccp-pdu-statistics>
  <totals-information>....</totals-information>
  <lsp-queue-length>
    lsp-queue-length
  </lsp-queue-length>
  <lsp-queue-drops>
    lsp-queue-drops
  </lsp-queue-drops>
  <spf-runs>
    spf-runs
  </spf-runs>
  <fragments-rebuilt>
    fragments-rebuilt
  </fragments-rebuilt>
  <lsp-regenerated>
    lsp-regenerated
  </lsp-regenerated>
  <purges-initiated>
    purges-initiated
  </purges-initiated>
</vccp-statistics>

```

**Description****<vccp-statistics>****Usage**

```

<virtual-chassis-statistics-information>
  <vccp-statistics>
    <system-name>
      system-name
    </system-name>
    <vccp-pdu-statistics>....</vccp-pdu-statistics>
    <totals-information>....</totals-information>
    <lsp-queue-length>
      lsp-queue-length
    </lsp-queue-length>
    <lsp-queue-drops>
      lsp-queue-drops
    </lsp-queue-drops>
    <spf-runs>
      spf-runs
    </spf-runs>
    <fragments-rebuilt>
      fragments-rebuilt
    </fragments-rebuilt>
    <lsp-regenerated>

```

```
    lsps-regenerated
  </lsps-regenerated>
  <purges-initiated>
    purges-initiated
  </purges-initiated>
</vccp-statistics>
</virtual-chassis-statistics-information>
```

#### Description

### <vccp-tlv>

#### Usage

```
<vccp-tlv>
  <vccp-tlv-overhead>....</vccp-tlv-overhead>
  <reachability-tlv>....</reachability-tlv>
  <node-info-tlv>....</node-info-tlv>
  <dcg-atomicity-tlv>....</dcg-atomicity-tlv>
  <dcg-dynamic-device-tlv>....</dcg-dynamic-device-tlv>
  <dcg-device-information-tlv>....</dcg-device-information-tlv>
  <dcg-ine-information-tlv>....</dcg-ine-information-tlv>
  <dcg-ine-membership-information-tlv>....</dcg-ine-membership-information-tlv>

  <master-info-tlv>....</master-info-tlv>
  <backup-info-tlv>....</backup-info-tlv>
  <stable-state-tlv>....</stable-state-tlv>
  <member-info-tlv>....</member-info-tlv>
  <topology-tlv>....</topology-tlv>
  <provision-tlv>....</provision-tlv>
  <iri-tlv>....</iri-tlv>
  <unknown-tlv>....</unknown-tlv>
  <tlv-stragglers>....</tlv-stragglers>
</vccp-tlv>
```

#### Description

### <vccp-tlv>

#### Usage

```
<vccp-database-entry>
  <vccp-tlv>
    <vccp-tlv-overhead>....</vccp-tlv-overhead>
    <reachability-tlv>....</reachability-tlv>
    <node-info-tlv>....</node-info-tlv>
    <dcg-atomicity-tlv>....</dcg-atomicity-tlv>
    <dcg-dynamic-device-tlv>....</dcg-dynamic-device-tlv>
    <dcg-device-information-tlv>....</dcg-device-information-tlv>
    <dcg-ine-information-tlv>....</dcg-ine-information-tlv>
    <dcg-ine-membership-information-tlv>....</dcg-ine-membership-information-tlv>

    <master-info-tlv>....</master-info-tlv>
    <backup-info-tlv>....</backup-info-tlv>
    <stable-state-tlv>....</stable-state-tlv>
    <member-info-tlv>....</member-info-tlv>
```

```

    <topology-tlv>....</topology-tlv>
    <provision-tlv>....</provision-tlv>
    <iri-tlv>....</iri-tlv>
    <unknown-tlv>....</unknown-tlv>
    <tlv-stragglers>....</tlv-stragglers>
  </vccp-tlv>
</vccp-database-entry>

```

#### Description

#### <vccp-tlv>

#### Usage

```

<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>
      <vccp-tlv-overhead>....</vccp-tlv-overhead>
      <reachability-tlv>....</reachability-tlv>
      <node-info-tlv>....</node-info-tlv>
      <dcp-atomicity-tlv>....</dcp-atomicity-tlv>
      <dcp-dynamic-device-tlv>....</dcp-dynamic-device-tlv>
      <dcp-device-information-tlv>....</dcp-device-information-tlv>
      <master-info-tlv>....</master-info-tlv>
      <backup-info-tlv>....</backup-info-tlv>
      <stable-state-tlv>....</stable-state-tlv>
      <member-info-tlv>....</member-info-tlv>
      <topology-tlv>....</topology-tlv>
      <provision-tlv>....</provision-tlv>
      <iri-tlv>....</iri-tlv>
      <unknown-tlv>....</unknown-tlv>
      <tlv-stragglers>....</tlv-stragglers>
    </vccp-tlv>
  </vccp-database-entry>
</vccp-database>

```

#### Description

#### <vccp-tlv>

#### Usage

```

<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <vccp-tlv>
        <vccp-tlv-overhead>....</vccp-tlv-overhead>
        <reachability-tlv>....</reachability-tlv>
        <node-info-tlv>....</node-info-tlv>
        <dcp-atomicity-tlv>....</dcp-atomicity-tlv>
        <dcp-dynamic-device-tlv>....</dcp-dynamic-device-tlv>
        <dcp-device-information-tlv>....</dcp-device-information-tlv>
        <dcp-ine-information-tlv>....</dcp-ine-information-tlv>

      <dcp-ine-membership-information-tlv>....</dcp-ine-membership-information-tlv>
      <master-info-tlv>....</master-info-tlv>
    </vccp-tlv>
  </vccp-database-entry>
</vccp-database>

```

```
<backup-info-tlv>....</backup-info-tlv>
<stable-state-tlv>....</stable-state-tlv>
<member-info-tlv>....</member-info-tlv>
<topology-tlv>....</topology-tlv>
<provision-tlv>....</provision-tlv>
<iri-tlv>....</iri-tlv>
<unknown-tlv>....</unknown-tlv>
<tlv-stragglers>....</tlv-stragglers>
</vccp-tlv>
</vccp-database-entry>
</vccp-database>
</virtual-chassis-database-information>
```

#### Description

### <vccp-tlv-overhead>

#### Usage

```
<vccp-tlv>
<vccp-tlv-overhead>
  <tlv-type>
    tlv-type
  </tlv-type>
  <tlv-length>
    tlv-length
  </tlv-length>
  <bytes-left>
    bytes-left
  </bytes-left>
</vccp-tlv-overhead>
</vccp-tlv>
```

#### Description

### <vccp-tlv-overhead>

#### Usage

```
<vccp-database-entry>
<vccp-tlv>
  <vccp-tlv-overhead>
    <tlv-type>
      tlv-type
    </tlv-type>
    <tlv-length>
      tlv-length
    </tlv-length>
    <bytes-left>
      bytes-left
    </bytes-left>
  </vccp-tlv-overhead>
</vccp-tlv>
</vccp-database-entry>
```

## Description

## &lt;vccp-tlv-overhead&gt;

## Usage

```

<vccp-database>
  <vccp-database-entry>
    <vccp-tlv>
      <vccp-tlv-overhead>
        <tlv-type>
          tlv-type
        </tlv-type>
        <tlv-length>
          tlv-length
        </tlv-length>
        <bytes-left>
          bytes-left
        </bytes-left>
      </vccp-tlv-overhead>
    </vccp-tlv>
  </vccp-database-entry>
</vccp-database>

```

## Description

## &lt;vccp-tlv-overhead&gt;

## Usage

```

<virtual-chassis-database-information>
  <vccp-database>
    <vccp-database-entry>
      <vccp-tlv>
        <vccp-tlv-overhead>
          <tlv-type>
            tlv-type
          </tlv-type>
          <tlv-length>
            tlv-length
          </tlv-length>
          <bytes-left>
            bytes-left
          </bytes-left>
        </vccp-tlv-overhead>
      </vccp-tlv>
    </vccp-database-entry>
  </vccp-database>
</virtual-chassis-database-information>

```

## Description

## &lt;virtual-chassis-active-topology&gt;

## Usage

```

<virtual-chassis-active-topology>

```

```
<destination-reachability>....</destination-reachability>
</virtual-chassis-active-topology>
```

#### Description

### <virtual-chassis-adjacency-information>

#### Usage

```
<virtual-chassis-adjacency-information>
  <vccp-adjacency>....</vccp-adjacency>
</virtual-chassis-adjacency-information>
```

#### Description

### <virtual-chassis-database-information>

#### Usage

```
<virtual-chassis-database-information>
  <vccp-database>....</vccp-database>
</virtual-chassis-database-information>
```

#### Description

### <virtual-chassis-device-information>

#### Usage

```
<virtual-chassis-device-information>
  <device-list>....</device-list>
</virtual-chassis-device-information>
```

#### Description

### <virtual-chassis-diagnostic-error>

#### Usage

```
<virtual-chassis-diagnostic-information>
  <virtual-chassis-diagnostic-error>
    <name>
      name
    </name>
  </virtual-chassis-diagnostic-error>
</virtual-chassis-diagnostic-information>
```

#### Description

### <virtual-chassis-diagnostic-information>

#### Usage

```
<virtual-chassis-diagnostic-information>
  <test-information>....</test-information>
  <current-test>....</current-test>
```



```

<device-reachability-information>....</device-reachability-information>
<virtual-chassis-diagnostic-error>....</virtual-chassis-diagnostic-error>
</virtual-chassis-diagnostic-information>

```

**Description** Reachability information for devices in virtual-chassis

### <virtual-chassis-fast-failover>

#### Usage

```

<virtual-chassis-fast-failover>
  <virtual-chassis-fast-failover-vcp>
    virtual-chassis-fast-failover-vcp
  </virtual-chassis-fast-failover-vcp>
  <virtual-chassis-fast-failover-xe>
    virtual-chassis-fast-failover-xe
  </virtual-chassis-fast-failover-xe>
  <virtual-chassis-fast-failover-ge>
    virtual-chassis-fast-failover-ge
  </virtual-chassis-fast-failover-ge>
</virtual-chassis-fast-failover>

```

#### Description

### <virtual-chassis-id-information>

#### Usage

```

<virtual-chassis-information>
  <virtual-chassis-id-information>
    <virtual-chassis-id>
      virtual-chassis-id
    </virtual-chassis-id>
    <virtual-chassis-mode>
      virtual-chassis-mode
    </virtual-chassis-mode>
  </virtual-chassis-id-information>
</virtual-chassis-information>

```

#### Description

### <virtual-chassis-information>

#### Usage

```

<virtual-chassis-information>
  <virtual-chassis-id>
    virtual-chassis-id
  </virtual-chassis-id>

  <preprovisioned-virtual-chassis-information>....</preprovisioned-virtual-chassis-information>

  <virtual-chassis-id-information>....</virtual-chassis-id-information>
  <member-list>....</member-list>
  <next-member-information>....</next-member-information>

```

</virtual-chassis-information>

#### Description

### <virtual-chassis-interface-information>

#### Usage

```
<virtual-chassis-interface-information>  
<vccp-interface>....</vccp-interface>  
</virtual-chassis-interface-information>
```

#### Description

### <virtual-chassis-mode-information>

#### Usage

```
<virtual-chassis-mode-information>  
</virtual-chassis-mode-information>
```

#### Description

### <virtual-chassis-packet-path>

#### Usage

```
<virtual-chassis-packet-path>  
<packet-path-information>....</packet-path-information>  
<device>....</device>  
</virtual-chassis-packet-path>
```

#### Description

### <virtual-chassis-port-information>

#### Usage

```
<virtual-chassis-port-information>  
<port-list>....</port-list>  
</virtual-chassis-port-information>
```

#### Description

### <virtual-chassis-port-statistics-information>

#### Usage

```
<virtual-chassis-port-statistics-information>  
<statistics-port-list>....</statistics-port-list>  
</virtual-chassis-port-statistics-information>
```

#### Description

### <virtual-chassis-route-information>

#### Usage

```
<virtual-chassis-route-information>  
  <vccp-routing-table>....</vccp-routing-table>  
</virtual-chassis-route-information>
```

#### Description

### <virtual-chassis-statistics-information>

#### Usage

```
<virtual-chassis-statistics-information>  
  <vccp-statistics>....</vccp-statistics>  
</virtual-chassis-statistics-information>
```

#### Description

---

## Summary of Uplink Failure Detection Information Response Tags

---

### <link-to-disable-list>

#### Usage

```
<uplink-failure-detection-information>  
  <ufd-group-information>  
    <ufd-group>  
      <link-to-disable-list>  
        <downlink-interface>  
          downlink-interface  
        </downlink-interface>  
      </link-to-disable-list>  
    </ufd-group>  
  </ufd-group-information>  
</uplink-failure-detection-information>
```

#### Description

### <link-to-monitor-list>

#### Usage

```
<uplink-failure-detection-information>  
  <ufd-group-information>  
    <ufd-group>  
      <link-to-monitor-list>  
        <uplink-interface>  
          uplink-interface  
        </uplink-interface>  
      </link-to-monitor-list>  
    </ufd-group>  
  </ufd-group-information>  
</uplink-failure-detection-information>
```

**Description****<ufd-group>****Usage**

```
<uplink-failure-detection-information>
  <ufd-group-information>
    <ufd-group>
      <ufd-group-name>
        ufd-group-name
      </ufd-group-name>
      <link-to-monitor-list>....</link-to-monitor-list>
      <link-to-disable-list>....</link-to-disable-list>
      <failure-action>
        failure-action
      </failure-action>
    </ufd-group>
  </ufd-group-information>
</uplink-failure-detection-information>
```

**Description****<ufd-group-information>****Usage**

```
<uplink-failure-detection-information>
  <ufd-group-information>
    <ufd-group>....</ufd-group>
  </ufd-group-information>
</uplink-failure-detection-information>
```

**Description****<uplink-failure-detection-information>****Usage**

```
<uplink-failure-detection-information>
  <ufd-group-information>....</ufd-group-information>
</uplink-failure-detection-information>
```

**Description**

# Operational Response Tag Elements Specific to J Series and SRX Series

This chapter lists the Extensible Markup Language (XML) tag elements in the Junos XML application programming interface (API) that contain operational information. The Junos XML protocol and NETCONF servers return them in response to requests from client applications.

The tags listed in this chapter are specific to devices belonging to the following platforms:

- J Series
- SRX Series

The tags are divided into the following sections and listed in alphabetical order within each section.

- [Summary of Allowed System Services and Protocols Response Tags on page 7978](#)
- [Summary of ALG Response Tags on page 7983](#)
- [Summary of AVT Response Tags on page 8004](#)
- [Summary of Data Link Switching Response Tags on page 8005](#)
- [Summary of 802.1X Process Response Tags on page 8044](#)
- [Summary of DS-Lite Response Tags on page 8069](#)
- [Summary of Dynamic VPN Response Tags on page 8071](#)
- [Summary of End-to-End Debug Response Tags on page 8074](#)
- [Summary of ESW Response Tags on page 8077](#)
- [Summary of sFlow Response Tags on page 8203](#)
- [Summary of Firewall Authentication Response Tags on page 8217](#)
- [Summary of GPRS Tunneling Protocol Response Tags on page 8223](#)
- [Summary of IDS Response Tags on page 8230](#)
- [Summary of IPSec Response Tags on page 8233](#)
- [Summary of ISDN Response Tags on page 8386](#)
- [Summary of Stateful Redundancy Response Tags on page 8396](#)
- [Summary of Logical Systems Response Tags on page 8430](#)

- [Summary of DNS Proxy Response Tags on page 8431](#)
- [Summary of NAT Response Tags on page 8434](#)
- [Summary of Junos OS Reports Response Tags on page 8456](#)
- [Summary of Resource Manager Response Tags on page 8465](#)
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- [Summary of Security Firewall Response Tags on page 8476](#)
- [Summary of Security Policy Response Tags on page 8481](#)
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## Summary of Allowed System Services and Protocols Response Tags ---

### <allowed-host-inbound-traffic>

#### Usage

```
<allowed-host-inbound-traffic>
  <inbound-all-protocols>
    inbound-all-protocols
  </inbound-all-protocols>
  <inbound-any-service>
    inbound-any-service
  </inbound-any-service>
  <inbound-bootp>
    inbound-bootp
  </inbound-bootp>
  <inbound-bfd>
    inbound-bfd
  </inbound-bfd>
  <inbound-bgp>
    inbound-bgp
  </inbound-bgp>
  <inbound-dns>
    inbound-dns
```

```
</inbound-dns>
<inbound-dvmrp>
  inbound-dvmrp
</inbound-dvmrp>
<inbound-igmp>
  inbound-igmp
</inbound-igmp>
<inbound-ldp>
  inbound-ldp
</inbound-ldp>
<inbound-msdp>
  inbound-msdp
</inbound-msdp>
<inbound-nhrp>
  inbound-nhrp
</inbound-nhrp>
<inbound-ospf>
  inbound-ospf
</inbound-ospf>
<inbound-ospf3>
  inbound-ospf3
</inbound-ospf3>
<inbound-pgm>
  inbound-pgm
</inbound-pgm>
<inbound-pim>
  inbound-pim
</inbound-pim>
<inbound-rip>
  inbound-rip
</inbound-rip>
<inbound-ripng>
  inbound-ripng
</inbound-ripng>
<inbound-router-discovery>
  inbound-router-discovery
</inbound-router-discovery>
<inbound-rsvp>
  inbound-rsvp
</inbound-rsvp>
<inbound-sap>
  inbound-sap
</inbound-sap>
<inbound-vrrp>
  inbound-vrrp
</inbound-vrrp>
<inbound-all-services>
  inbound-all-services
</inbound-all-services>
<inbound-dhcp>
  inbound-dhcp
</inbound-dhcp>
<inbound-finger>
  inbound-finger
</inbound-finger>
<inbound-ftp>
```

```
inbound-ftp
</inbound-ftp>
<inbound-tftp>
  inbound-tftp
</inbound-tftp>
<ident-reset>
  ident-reset
</ident-reset>
<inbound-http>
  inbound-http
</inbound-http>
<inbound-https>
  inbound-https
</inbound-https>
<inbound-ike>
  inbound-ike
</inbound-ike>
<inbound-netconf>
  inbound-netconf
</inbound-netconf>
<inbound-ping>
  inbound-ping
</inbound-ping>
<inbound-reverse-telnet>
  inbound-reverse-telnet
</inbound-reverse-telnet>
<inbound-reverse-ssh>
  inbound-reverse-ssh
</inbound-reverse-ssh>
<inbound-rlogin>
  inbound-rlogin
</inbound-rlogin>
<inbound-rpm>
  inbound-rpm
</inbound-rpm>
<inbound-rsh>
  inbound-rsh
</inbound-rsh>
<inbound-snmp>
  inbound-snmp
</inbound-snmp>
<inbound-snmp-trap>
  inbound-snmp-trap
</inbound-snmp-trap>
<inbound-ssh>
  inbound-ssh
</inbound-ssh>
<inbound-telnet>
  inbound-telnet
</inbound-telnet>
<inbound-traceroute>
  inbound-traceroute
</inbound-traceroute>
<inbound-xnm-clear-text>
  inbound-xnm-clear-text
</inbound-xnm-clear-text>
```



```

<inbound-xnm-ssl>
  inbound-xnm-ssl
</inbound-xnm-ssl>
<inbound-lsping>
  inbound-lsping
</inbound-lsping>
<inbound-ntp>
  inbound-ntp
</inbound-ntp>
<inbound-sip>
  inbound-sip
</inbound-sip>
<inbound-r2cp>
  inbound-r2cp
</inbound-r2cp>
</allowed-host-inbound-traffic>

```

**Description** List of allowed system services and protocols

### <security-error-flow-statistics>

#### Usage

```

<security-error-flow-statistics>
  <flow-error-policy-denied>
    flow-error-policy-denied
  </flow-error-policy-denied>
  <flow-error-no-gate-parent>
    flow-error-no-gate-parent
  </flow-error-no-gate-parent>
  <flow-error-syn-protection>
    flow-error-syn-protection
  </flow-error-syn-protection>
  <flow-error-incoming-nat>
    flow-error-incoming-nat
  </flow-error-incoming-nat>
  <flow-error-no-tunnel>
    flow-error-no-tunnel
  </flow-error-no-tunnel>
  <flow-error-no-more-session>
    flow-error-no-more-session
  </flow-error-no-more-session>
  <flow-error-invalid-zone>
    flow-error-invalid-zone
  </flow-error-invalid-zone>
  <flow-error-user-authentication>
    flow-error-user-authentication
  </flow-error-user-authentication>
  <flow-error-multiple-auth>
    flow-error-multiple-auth
  </flow-error-multiple-auth>
  <flow-error-multiple-incoming-nat>
    flow-error-multiple-incoming-nat
  </flow-error-multiple-incoming-nat>
  <flow-error-address-spoofing>

```

```
    flow-error-address-spoofing
  </flow-error-address-spoofing>
  <flow-error-null-zone>
    flow-error-null-zone
  </flow-error-null-zone>
  <flow-error-no-nat-gate>
    flow-error-no-nat-gate
  </flow-error-no-nat-gate>
  <flow-error-no-minor-session>
    flow-error-no-minor-session
  </flow-error-no-minor-session>
  <flow-error-no-session-gate>
    flow-error-no-session-gate
  </flow-error-no-session-gate>
  <flow-error-seq-outside-window>
    flow-error-seq-outside-window
  </flow-error-seq-outside-window>
  <flow-error-no-route-present>
    flow-error-no-route-present
  </flow-error-no-route-present>
  <flow-error-authentication-failed>
    flow-error-authentication-failed
  </flow-error-authentication-failed>
  <flow-error-security-association-missing>
    flow-error-security-association-missing
  </flow-error-security-association-missing>
  <flow-error-no-sa-for-spi>
    flow-error-no-sa-for-spi
  </flow-error-no-sa-for-spi>
  <flow-error-no-interest-self-packet>
    flow-error-no-interest-self-packet
  </flow-error-no-interest-self-packet>
</security-error-flow-statistics>
```

**Description** Flow error statistics for the interface

## <security-input-flow-statistics>

### Usage

```
<security-input-flow-statistics>
  <flow-input-self-packets>
    flow-input-self-packets
  </flow-input-self-packets>
  <flow-input-icmp-packets>
    flow-input-icmp-packets
  </flow-input-icmp-packets>
  <flow-input-vpn-packets>
    flow-input-vpn-packets
  </flow-input-vpn-packets>
  <flow-input-multicast-packets>
    flow-input-multicast-packets
  </flow-input-multicast-packets>
  <flow-input-policy-bytes>
    flow-input-policy-bytes
```

```

</flow-input-policy-bytes>
<flow-input-connections>
  flow-input-connections
</flow-input-connections>
</security-input-flow-statistics>

```

**Description** Flow input statistics for the interface

### <security-output-flow-statistics>

#### Usage

```

<security-output-flow-statistics>
  <flow-output-multicast-packets>
    flow-output-multicast-packets
  </flow-output-multicast-packets>
  <flow-output-policy-bytes>
    flow-output-policy-bytes
  </flow-output-policy-bytes>
</security-output-flow-statistics>

```

**Description** Flow output statistics for the interface

## Summary of ALG Response Tags

### <alg-configuration>

#### Usage

```

<alg-configuration>
  <alg-configuration-activate-dns>
    alg-configuration-activate-dns
  </alg-configuration-activate-dns>
  <alg-configuration-activate-ftp>
    alg-configuration-activate-ftp
  </alg-configuration-activate-ftp>
  <alg-configuration-activate-h323>
    alg-configuration-activate-h323
  </alg-configuration-activate-h323>
  <alg-configuration-activate-mgcp>
    alg-configuration-activate-mgcp
  </alg-configuration-activate-mgcp>
  <alg-configuration-activate-msrpc>
    alg-configuration-activate-msrpc
  </alg-configuration-activate-msrpc>
  <alg-configuration-activate-real>
    alg-configuration-activate-real
  </alg-configuration-activate-real>
  <alg-configuration-activate-rsh>
    alg-configuration-activate-rsh
  </alg-configuration-activate-rsh>
  <alg-configuration-activate-rtsp>
    alg-configuration-activate-rtsp
  </alg-configuration-activate-rtsp>

```

```
<alg-configuration-activate-sccp>
  alg-configuration-activate-sccp
</alg-configuration-activate-sccp>
<alg-configuration-activate-sip>
  alg-configuration-activate-sip
</alg-configuration-activate-sip>
<alg-configuration-activate-sql>
  alg-configuration-activate-sql
</alg-configuration-activate-sql>
<alg-configuration-activate-sunrpc>
  alg-configuration-activate-sunrpc
</alg-configuration-activate-sunrpc>
<alg-configuration-activate-talk>
  alg-configuration-activate-talk
</alg-configuration-activate-talk>
<alg-configuration-activate-tftp>
  alg-configuration-activate-tftp
</alg-configuration-activate-tftp>
<alg-configuration-activate-pptp>
  alg-configuration-activate-pptp
</alg-configuration-activate-pptp>
<alg-configuration-dns-max-message-length>
  alg-configuration-dns-max-message-length
</alg-configuration-dns-max-message-length>
<alg-configuration-ftp-ftp-extension>
  alg-configuration-ftp-ftp-extension
</alg-configuration-ftp-ftp-extension>
<alg-configuration-ftp-line-break-extension>
  alg-configuration-ftp-line-break-extension
</alg-configuration-ftp-line-break-extension>
<alg-configuration-h323-endpoint-registration-timeout>
  alg-configuration-h323-endpoint-registration-timeout
</alg-configuration-h323-endpoint-registration-timeout>
<alg-configuration-h323-media-source-port-any>
  alg-configuration-h323-media-source-port-any
</alg-configuration-h323-media-source-port-any>
<alg-configuration-h323-app-scrn-unknown-msg-nat>
  alg-configuration-h323-app-scrn-unknown-msg-nat
</alg-configuration-h323-app-scrn-unknown-msg-nat>
<alg-configuration-h323-app-scrn-unknown-msg-route>
  alg-configuration-h323-app-scrn-unknown-msg-route
</alg-configuration-h323-app-scrn-unknown-msg-route>
<alg-configuration-h323-app-scrn-msg-flood-gatekeeper-threshold>
  alg-configuration-h323-app-scrn-msg-flood-gatekeeper-threshold
</alg-configuration-h323-app-scrn-msg-flood-gatekeeper-threshold>
<alg-configuration-h323-dscp-codepoint>
  alg-configuration-h323-dscp-codepoint
</alg-configuration-h323-dscp-codepoint>
<alg-configuration-mgcp-inactive-media-timeout>
  alg-configuration-mgcp-inactive-media-timeout
</alg-configuration-mgcp-inactive-media-timeout>
<alg-configuration-mgcp-transaction-timeout>
  alg-configuration-mgcp-transaction-timeout
</alg-configuration-mgcp-transaction-timeout>
<alg-configuration-mgcp-max-call-duration>
  alg-configuration-mgcp-max-call-duration
```

```
</alg-configuration-mgcp-max-call-duration>
<alg-configuration-mgcp-app-scrn-unknown-msg-nat>
  alg-configuration-mgcp-app-scrn-unknown-msg-nat
</alg-configuration-mgcp-app-scrn-unknown-msg-nat>
<alg-configuration-mgcp-app-scrn-unknown-msg-route>
  alg-configuration-mgcp-app-scrn-unknown-msg-route
</alg-configuration-mgcp-app-scrn-unknown-msg-route>
<alg-configuration-mgcp-app-scrn-msg-flood-threshold>
  alg-configuration-mgcp-app-scrn-msg-flood-threshold
</alg-configuration-mgcp-app-scrn-msg-flood-threshold>
<alg-configuration-mgcp-app-scrn-con-flood-threshold>
  alg-configuration-mgcp-app-scrn-con-flood-threshold
</alg-configuration-mgcp-app-scrn-con-flood-threshold>
<alg-configuration-mgcp-dscp-codepoint>
  alg-configuration-mgcp-dscp-codepoint
</alg-configuration-mgcp-dscp-codepoint>
<alg-configuration-sccp-inactive-media-timeout>
  alg-configuration-sccp-inactive-media-timeout
</alg-configuration-sccp-inactive-media-timeout>
<alg-configuration-sccp-app-scrn-unknown-msg-nat>
  alg-configuration-sccp-app-scrn-unknown-msg-nat
</alg-configuration-sccp-app-scrn-unknown-msg-nat>
<alg-configuration-sccp-app-scrn-unknown-msg-route>
  alg-configuration-sccp-app-scrn-unknown-msg-route
</alg-configuration-sccp-app-scrn-unknown-msg-route>
<alg-configuration-sccp-app-scrn-call-flood-threshold>
  alg-configuration-sccp-app-scrn-call-flood-threshold
</alg-configuration-sccp-app-scrn-call-flood-threshold>
<alg-configuration-sccp-dscp-codepoint>
  alg-configuration-sccp-dscp-codepoint
</alg-configuration-sccp-dscp-codepoint>
<alg-configuration-sip-inactive-media-timeout>
  alg-configuration-sip-inactive-media-timeout
</alg-configuration-sip-inactive-media-timeout>
<alg-configuration-sip-max-call-duration>
  alg-configuration-sip-max-call-duration
</alg-configuration-sip-max-call-duration>
<alg-configuration-sip-t1-interval>
  alg-configuration-sip-t1-interval
</alg-configuration-sip-t1-interval>
<alg-configuration-sip-t4-interval>
  alg-configuration-sip-t4-interval
</alg-configuration-sip-t4-interval>
<alg-configuration-sip-c-timeout>
  alg-configuration-sip-c-timeout
</alg-configuration-sip-c-timeout>
<alg-configuration-sip-dscp-codepoint>
  alg-configuration-sip-dscp-codepoint
</alg-configuration-sip-dscp-codepoint>
<alg-configuration-sip-app-scrn-unknown-msg-nat>
  alg-configuration-sip-app-scrn-unknown-msg-nat
</alg-configuration-sip-app-scrn-unknown-msg-nat>
<alg-configuration-sip-app-scrn-unknown-msg-route>
  alg-configuration-sip-app-scrn-unknown-msg-route
</alg-configuration-sip-app-scrn-unknown-msg-route>
<alg-configuration-sip-app-scrn-prt-deny-timeout>
```

```
alg-configuration-sip-app-scrn-prt-deny-timeout
</alg-configuration-sip-app-scrn-prt-deny-timeout>
<alg-configuration-sip-app-scrn-prt-deny-dest-ip-entry>
  alg-configuration-sip-app-scrn-prt-deny-dest-ip-entry
</alg-configuration-sip-app-scrn-prt-deny-dest-ip-entry>
</alg-configuration>
```

## Description

### <alg-h323-counters>

#### Usage

```
<alg-h323-counters>
  <alg-h323-counters-pkt-rcvd>
    alg-h323-counters-pkt-rcvd
  </alg-h323-counters-pkt-rcvd>
  <alg-h323-counters-pkt-drpd>
    alg-h323-counters-pkt-drpd
  </alg-h323-counters-pkt-drpd>
  <alg-h323-counters-ras-msg-rcvd>
    alg-h323-counters-ras-msg-rcvd
  </alg-h323-counters-ras-msg-rcvd>
  <alg-h323-counters-q931-msg-rcvd>
    alg-h323-counters-q931-msg-rcvd
  </alg-h323-counters-q931-msg-rcvd>
  <alg-h323-counters-h245-msg-rcvd>
    alg-h323-counters-h245-msg-rcvd
  </alg-h323-counters-h245-msg-rcvd>
  <alg-h323-counters-num-calls>
    alg-h323-counters-num-calls
  </alg-h323-counters-num-calls>
  <alg-h323-counters-num-active-calls>
    alg-h323-counters-num-active-calls
  </alg-h323-counters-num-active-calls>
  <alg-h323-counters-num-dscp-marked>
    alg-h323-counters-num-dscp-marked
  </alg-h323-counters-num-dscp-marked>
  <alg-h323-counters-err-decode>
    alg-h323-counters-err-decode
  </alg-h323-counters-err-decode>
  <alg-h323-counters-err-msg-flood-drpd>
    alg-h323-counters-err-msg-flood-drpd
  </alg-h323-counters-err-msg-flood-drpd>
  <alg-h323-counters-err-nat>
    alg-h323-counters-err-nat
  </alg-h323-counters-err-nat>
  <alg-h323-counters-err-rm>
    alg-h323-counters-err-rm
  </alg-h323-counters-err-rm>
  <alg-h323-counters-err-dscp>
    alg-h323-counters-err-dscp
  </alg-h323-counters-err-dscp>
  <alg-h323-counters-msg-rrq>
    alg-h323-counters-msg-rrq
  </alg-h323-counters-msg-rrq>
```

```
<alg-h323-counters-msg-rcf>
  alg-h323-counters-msg-rcf
</alg-h323-counters-msg-rcf>
<alg-h323-counters-msg-arq>
  alg-h323-counters-msg-arq
</alg-h323-counters-msg-arq>
<alg-h323-counters-msg-acf>
  alg-h323-counters-msg-acf
</alg-h323-counters-msg-acf>
<alg-h323-counters-msg-urq>
  alg-h323-counters-msg-urq
</alg-h323-counters-msg-urq>
<alg-h323-counters-msg-ucf>
  alg-h323-counters-msg-ucf
</alg-h323-counters-msg-ucf>
<alg-h323-counters-msg-drq>
  alg-h323-counters-msg-drq
</alg-h323-counters-msg-drq>
<alg-h323-counters-msg-oth-ras>
  alg-h323-counters-msg-oth-ras
</alg-h323-counters-msg-oth-ras>
<alg-h323-counters-msg-setup>
  alg-h323-counters-msg-setup
</alg-h323-counters-msg-setup>
<alg-h323-counters-msg-alert>
  alg-h323-counters-msg-alert
</alg-h323-counters-msg-alert>
<alg-h323-counters-msg-connect>
  alg-h323-counters-msg-connect
</alg-h323-counters-msg-connect>
<alg-h323-counters-msg-callprod>
  alg-h323-counters-msg-callprod
</alg-h323-counters-msg-callprod>
<alg-h323-counters-msg-info>
  alg-h323-counters-msg-info
</alg-h323-counters-msg-info>
<alg-h323-counters-msg-relcmpl>
  alg-h323-counters-msg-relcmpl
</alg-h323-counters-msg-relcmpl>
<alg-h323-counters-msg-facility>
  alg-h323-counters-msg-facility
</alg-h323-counters-msg-facility>
<alg-h323-counters-msg-empty>
  alg-h323-counters-msg-empty
</alg-h323-counters-msg-empty>
<alg-h323-counters-msg-olc>
  alg-h323-counters-msg-olc
</alg-h323-counters-msg-olc>
<alg-h323-counters-msg-olc-ack>
  alg-h323-counters-msg-olc-ack
</alg-h323-counters-msg-olc-ack>
<alg-h323-counters-msg-oth-h245>
  alg-h323-counters-msg-oth-h245
</alg-h323-counters-msg-oth-h245>
</alg-h323-counters>
```

**Description****<alg-ike-esp-clear>****Usage**

```
<alg-ike-esp-clear>
  <alg-ike-esp-clear-count>
    alg-ike-esp-clear-count
  </alg-ike-esp-clear-count>
</alg-ike-esp-clear>
```

**Description** Information about cleared IKE-ESP ALG state

**<alg-ike-esp-show>****Usage**

```
<alg-ike-esp-show>
  <ike-esp-cookies>....</ike-esp-cookies>
</alg-ike-esp-show>
```

**Description****<alg-ike-esp-show-summary>****Usage**

```
<alg-ike-esp-show-summary>
  <alg-ike-esp-use-count>
    alg-ike-esp-use-count
  </alg-ike-esp-use-count>
  <alg-ike-esp-total-count>
    alg-ike-esp-total-count
  </alg-ike-esp-total-count>
</alg-ike-esp-show-summary>
```

**Description** IKE-ESP ALG summary

**<alg-mgcp-call-connections-data>****Usage**

```
<alg-mgcp-call-information>
  <alg-mgcp-call-data>
    <alg-mgcp-call-connections-data>
      <alg-mgcp-call-connection-id>
        alg-mgcp-call-connection-id
      </alg-mgcp-call-connection-id>
      <alg-mgcp-call-local-sdp-o>
        alg-mgcp-call-local-sdp-o
      </alg-mgcp-call-local-sdp-o>
      <alg-mgcp-call-local-sdp-x-o>
        alg-mgcp-call-local-sdp-x-o
      </alg-mgcp-call-local-sdp-x-o>
      <alg-mgcp-call-local-sdp-m-lines>....</alg-mgcp-call-local-sdp-m-lines>
```



```

    <alg-mgcp-call-remote-sdp-o>
      alg-mgcp-call-remote-sdp-o
    </alg-mgcp-call-remote-sdp-o>
    <alg-mgcp-call-remote-sdp-x-o>
      alg-mgcp-call-remote-sdp-x-o
    </alg-mgcp-call-remote-sdp-x-o>
    <alg-mgcp-call-remote-sdp-m-lines>....</alg-mgcp-call-remote-sdp-m-lines>

  </alg-mgcp-call-connections-data>
</alg-mgcp-call-data>
</alg-mgcp-call-information>

```

**Description****<alg-mgcp-call-data>****Usage**

```

<alg-mgcp-call-information>
  <alg-mgcp-call-data>
    <alg-mgcp-call-ep>
      alg-mgcp-call-ep
    </alg-mgcp-call-ep>
    <alg-mgcp-call-ep-gw>
      alg-mgcp-call-ep-gw
    </alg-mgcp-call-ep-gw>
    <alg-mgcp-call-zone>
      alg-mgcp-call-zone
    </alg-mgcp-call-zone>
    <alg-mgcp-call-call-id>
      alg-mgcp-call-call-id
    </alg-mgcp-call-call-id>
    <alg-mgcp-call-resmgr-group>
      alg-mgcp-call-resmgr-group
    </alg-mgcp-call-resmgr-group>
    <alg-mgcp-call-call-duration>
      alg-mgcp-call-call-duration
    </alg-mgcp-call-call-duration>
    <alg-mgcp-call-connections-data>....</alg-mgcp-call-connections-data>
  </alg-mgcp-call-data>
</alg-mgcp-call-information>

```

**Description****<alg-mgcp-call-information>****Usage**

```

<alg-mgcp-call-information>
  <alg-mgcp-call-data>....</alg-mgcp-call-data>
</alg-mgcp-call-information>

```

**Description** Information about the Media Gateway Control Protocol (MGCP) application-level gateway (ALG) calls

## <alg-mgcp-call-local-sdp-m-lines>

### Usage

```
<alg-mgcp-call-information>
  <alg-mgcp-call-data>
    <alg-mgcp-call-connections-data>
      <alg-mgcp-call-local-sdp-m-lines>
        <alg-mgcp-call-local-sdp-c-ip>
          alg-mgcp-call-local-sdp-c-ip
        </alg-mgcp-call-local-sdp-c-ip>
        <alg-mgcp-call-local-sdp-c-port>
          alg-mgcp-call-local-sdp-c-port
        </alg-mgcp-call-local-sdp-c-port>
        <alg-mgcp-call-local-sdp-c-x-ip>
          alg-mgcp-call-local-sdp-c-x-ip
        </alg-mgcp-call-local-sdp-c-x-ip>
        <alg-mgcp-call-local-sdp-c-x-port>
          alg-mgcp-call-local-sdp-c-x-port
        </alg-mgcp-call-local-sdp-c-x-port>
      </alg-mgcp-call-local-sdp-m-lines>
    </alg-mgcp-call-connections-data>
  </alg-mgcp-call-data>
</alg-mgcp-call-information>
```

### Description

## <alg-mgcp-call-remote-sdp-m-lines>

### Usage

```
<alg-mgcp-call-information>
  <alg-mgcp-call-data>
    <alg-mgcp-call-connections-data>
      <alg-mgcp-call-remote-sdp-m-lines>
        <alg-mgcp-call-remote-sdp-c-ip>
          alg-mgcp-call-remote-sdp-c-ip
        </alg-mgcp-call-remote-sdp-c-ip>
        <alg-mgcp-call-remote-sdp-c-port>
          alg-mgcp-call-remote-sdp-c-port
        </alg-mgcp-call-remote-sdp-c-port>
        <alg-mgcp-call-remote-sdp-c-x-ip>
          alg-mgcp-call-remote-sdp-c-x-ip
        </alg-mgcp-call-remote-sdp-c-x-ip>
        <alg-mgcp-call-remote-sdp-c-x-port>
          alg-mgcp-call-remote-sdp-c-x-port
        </alg-mgcp-call-remote-sdp-c-x-port>
      </alg-mgcp-call-remote-sdp-m-lines>
    </alg-mgcp-call-connections-data>
  </alg-mgcp-call-data>
</alg-mgcp-call-information>
```

### Description

## &lt;alg-mgcp-counter-information&gt;

## Usage

```

<alg-mgcp-counter-information>
  <alg-mgcp-counters-packets-received>
    alg-mgcp-counters-packets-received
  </alg-mgcp-counters-packets-received>
  <alg-mgcp-counters-packets-dropped>
    alg-mgcp-counters-packets-dropped
  </alg-mgcp-counters-packets-dropped>
  <alg-mgcp-counters-message-received>
    alg-mgcp-counters-message-received
  </alg-mgcp-counters-message-received>
  <alg-mgcp-counters-connections>
    alg-mgcp-counters-connections
  </alg-mgcp-counters-connections>
  <alg-mgcp-counters-active-connections>
    alg-mgcp-counters-active-connections
  </alg-mgcp-counters-active-connections>
  <alg-mgcp-counters-calls>
    alg-mgcp-counters-calls
  </alg-mgcp-counters-calls>
  <alg-mgcp-counters-active-calls>
    alg-mgcp-counters-active-calls
  </alg-mgcp-counters-active-calls>
  <alg-mgcp-counters-transactions>
    alg-mgcp-counters-transactions
  </alg-mgcp-counters-transactions>
  <alg-mgcp-counters-active-transactions>
    alg-mgcp-counters-active-transactions
  </alg-mgcp-counters-active-transactions>
  <alg-mgcp-counters-retransmissions>
    alg-mgcp-counters-retransmissions
  </alg-mgcp-counters-retransmissions>
  <alg-mgcp-counters-active-endpoints>
    alg-mgcp-counters-active-endpoints
  </alg-mgcp-counters-active-endpoints>
  <alg-mgcp-counters-dscp-marked>
    alg-mgcp-counters-dscp-marked
  </alg-mgcp-counters-dscp-marked>
  <alg-mgcp-counters-unknown-method>
    alg-mgcp-counters-unknown-method
  </alg-mgcp-counters-unknown-method>
  <alg-mgcp-counters-decoding-errors>
    alg-mgcp-counters-decoding-errors
  </alg-mgcp-counters-decoding-errors>
  <alg-mgcp-counters-transaction-errors>
    alg-mgcp-counters-transaction-errors
  </alg-mgcp-counters-transaction-errors>
  <alg-mgcp-counters-call-errors>
    alg-mgcp-counters-call-errors
  </alg-mgcp-counters-call-errors>
  <alg-mgcp-counters-connection-errors>
    alg-mgcp-counters-connection-errors
  </alg-mgcp-counters-connection-errors>

```

```
<alg-mgcp-counters-connection-flood-drop>
  alg-mgcp-counters-connection-flood-drop
</alg-mgcp-counters-connection-flood-drop>
<alg-mgcp-counters-message-flood-drop>
  alg-mgcp-counters-message-flood-drop
</alg-mgcp-counters-message-flood-drop>
<alg-mgcp-counters-ip-resolution-errors>
  alg-mgcp-counters-ip-resolution-errors
</alg-mgcp-counters-ip-resolution-errors>
<alg-mgcp-counters-nat-errors>
  alg-mgcp-counters-nat-errors
</alg-mgcp-counters-nat-errors>
<alg-mgcp-counters-resource-mgr-errors>
  alg-mgcp-counters-resource-mgr-errors
</alg-mgcp-counters-resource-mgr-errors>
<alg-mgcp-counters-dscp-errors>
  alg-mgcp-counters-dscp-errors
</alg-mgcp-counters-dscp-errors>
<alg-mgcp-counters-crcx-packets>
  alg-mgcp-counters-crcx-packets
</alg-mgcp-counters-crcx-packets>
<alg-mgcp-counters-mdcx-packets>
  alg-mgcp-counters-mdcx-packets
</alg-mgcp-counters-mdcx-packets>
<alg-mgcp-counters-dlcx-packets>
  alg-mgcp-counters-dlcx-packets
</alg-mgcp-counters-dlcx-packets>
<alg-mgcp-counters-auap-packets>
  alg-mgcp-counters-auap-packets
</alg-mgcp-counters-auap-packets>
<alg-mgcp-counters-aucx-packets>
  alg-mgcp-counters-aucx-packets
</alg-mgcp-counters-aucx-packets>
<alg-mgcp-counters-ntfy-packets>
  alg-mgcp-counters-ntfy-packets
</alg-mgcp-counters-ntfy-packets>
<alg-mgcp-counters-rsip-packets>
  alg-mgcp-counters-rsip-packets
</alg-mgcp-counters-rsip-packets>
<alg-mgcp-counters-epcf-packets>
  alg-mgcp-counters-epcf-packets
</alg-mgcp-counters-epcf-packets>
<alg-mgcp-counters-rqnt-packets>
  alg-mgcp-counters-rqnt-packets
</alg-mgcp-counters-rqnt-packets>
<alg-mgcp-counters-000-199-packets>
  alg-mgcp-counters-000-199-packets
</alg-mgcp-counters-000-199-packets>
<alg-mgcp-counters-200-299-packets>
  alg-mgcp-counters-200-299-packets
</alg-mgcp-counters-200-299-packets>
<alg-mgcp-counters-300-999-packets>
  alg-mgcp-counters-300-999-packets
</alg-mgcp-counters-300-999-packets>
</alg-mgcp-counter-information>
```

**Description****<alg-mgcp-endpoint-information>****Usage**

```
<alg-mgcp-endpoint-information>
  <alg-mgcp-endpoints-data>....</alg-mgcp-endpoints-data>
</alg-mgcp-endpoint-information>
```

**Description****<alg-mgcp-endpoints-data>****Usage**

```
<alg-mgcp-endpoint-information>
  <alg-mgcp-endpoints-data>
    <alg-mgcp-endpoints-gateway>
      alg-mgcp-endpoints-gateway
    </alg-mgcp-endpoints-gateway>
    <alg-mgcp-endpoints-zone>
      alg-mgcp-endpoints-zone
    </alg-mgcp-endpoints-zone>
    <alg-mgcp-gw-ip>
      alg-mgcp-gw-ip
    </alg-mgcp-gw-ip>
    <alg-mgcp-gw-x-ip>
      alg-mgcp-gw-x-ip
    </alg-mgcp-gw-x-ip>
    <alg-mgcp-endpoints-name>
      alg-mgcp-endpoints-name
    </alg-mgcp-endpoints-name>
    <alg-mgcp-endpoints-transaction-num>
      alg-mgcp-endpoints-transaction-num
    </alg-mgcp-endpoints-transaction-num>
    <alg-mgcp-endpoints-call-num>
      alg-mgcp-endpoints-call-num
    </alg-mgcp-endpoints-call-num>
    <alg-mgcp-endpoints-ntfy-ip>
      alg-mgcp-endpoints-ntfy-ip
    </alg-mgcp-endpoints-ntfy-ip>
    <alg-mgcp-endpoints-ntfy-port>
      alg-mgcp-endpoints-ntfy-port
    </alg-mgcp-endpoints-ntfy-port>
    <alg-mgcp-endpoints-ntfy-x-ip>
      alg-mgcp-endpoints-ntfy-x-ip
    </alg-mgcp-endpoints-ntfy-x-ip>
    <alg-mgcp-endpoints-ntfy-x-port>
      alg-mgcp-endpoints-ntfy-x-port
    </alg-mgcp-endpoints-ntfy-x-port>
  </alg-mgcp-endpoints-data>
</alg-mgcp-endpoint-information>
```

**Description**

## <alg-msrpc-map>

### Usage

```
<alg-msrpc-map>  
  <alg-msrpc-map-data>....</alg-msrpc-map-data>  
</alg-msrpc-map>
```

### Description

## <alg-msrpc-map-data>

### Usage

```
<alg-msrpc-map>  
  <alg-msrpc-map-data>  
    <alg-msrpc-map-data-ip>  
      alg-msrpc-map-data-ip  
    </alg-msrpc-map-data-ip>  
    <alg-msrpc-map-data-port>  
      alg-msrpc-map-data-port  
    </alg-msrpc-map-data-port>  
    <alg-msrpc-map-data-protocol>  
      alg-msrpc-map-data-protocol  
    </alg-msrpc-map-data-protocol>  
    <alg-msrpc-map-data-uuid>  
      alg-msrpc-map-data-uuid  
    </alg-msrpc-map-data-uuid>  
  </alg-msrpc-map-data>  
</alg-msrpc-map>
```

### Description

## <alg-msrpc-uuid2oid>

### Usage

```
<alg-msrpc-uuid2oid>  
  <alg-msrpc-uuid2oid-data>....</alg-msrpc-uuid2oid-data>  
</alg-msrpc-uuid2oid>
```

### Description

## <alg-msrpc-uuid2oid-data>

### Usage

```
<alg-msrpc-uuid2oid>  
  <alg-msrpc-uuid2oid-data>  
    <alg-msrpc-uuid2oid-data-uuid>  
      alg-msrpc-uuid2oid-data-uuid  
    </alg-msrpc-uuid2oid-data-uuid>  
    <alg-msrpc-uuid2oid-data-oid>  
      alg-msrpc-uuid2oid-data-oid  
    </alg-msrpc-uuid2oid-data-oid>  
  </alg-msrpc-uuid2oid-data>
```

```
</alg-msrpc-uuid2oid>
```

## Description

### <alg-sccp-call-channel-data>

#### Usage

```
<alg-sccp-call-information>
  <alg-sccp-call-data>
    <alg-sccp-call-channel-data>
      <alg-sccp-media-receive-channel-ip-address>
        alg-sccp-media-receive-channel-ip-address
      </alg-sccp-media-receive-channel-ip-address>
      <alg-sccp-media-receive-channel-port>
        alg-sccp-media-receive-channel-port
      </alg-sccp-media-receive-channel-port>
      <alg-sccp-media-receive-channel-translated-ip-address>
        alg-sccp-media-receive-channel-translated-ip-address
      </alg-sccp-media-receive-channel-translated-ip-address>
      <alg-sccp-media-receive-channel-translated-port>
        alg-sccp-media-receive-channel-translated-port
      </alg-sccp-media-receive-channel-translated-port>
      <alg-sccp-media-receive-channel-pass-through-party-id>
        alg-sccp-media-receive-channel-pass-through-party-id
      </alg-sccp-media-receive-channel-pass-through-party-id>
      <alg-sccp-media-receive-channel-resource-id>
        alg-sccp-media-receive-channel-resource-id
      </alg-sccp-media-receive-channel-resource-id>
      <alg-sccp-media-transmit-channel-ip-address>
        alg-sccp-media-transmit-channel-ip-address
      </alg-sccp-media-transmit-channel-ip-address>
      <alg-sccp-media-transmit-channel-port>
        alg-sccp-media-transmit-channel-port
      </alg-sccp-media-transmit-channel-port>
      <alg-sccp-media-transmit-channel-translated-ip-address>
        alg-sccp-media-transmit-channel-translated-ip-address
      </alg-sccp-media-transmit-channel-translated-ip-address>
      <alg-sccp-media-transmit-channel-translated-port>
        alg-sccp-media-transmit-channel-translated-port
      </alg-sccp-media-transmit-channel-translated-port>
      <alg-sccp-media-transmit-channel-pass-through-party-id>
        alg-sccp-media-transmit-channel-pass-through-party-id
      </alg-sccp-media-transmit-channel-pass-through-party-id>
      <alg-sccp-media-transmit-channel-resource-id>
        alg-sccp-media-transmit-channel-resource-id
      </alg-sccp-media-transmit-channel-resource-id>
      <alg-sccp-multimedia-receive-channel-ip-address>
        alg-sccp-multimedia-receive-channel-ip-address
      </alg-sccp-multimedia-receive-channel-ip-address>
      <alg-sccp-multimedia-receive-channel-port>
        alg-sccp-multimedia-receive-channel-port
      </alg-sccp-multimedia-receive-channel-port>
      <alg-sccp-multimedia-receive-channel-translated-ip-address>
        alg-sccp-multimedia-receive-channel-translated-ip-address
      </alg-sccp-multimedia-receive-channel-translated-ip-address>
```

```
<alg-sccp-multimedia-receive-channel-translated-port>
  alg-sccp-multimedia-receive-channel-translated-port
</alg-sccp-multimedia-receive-channel-translated-port>
<alg-sccp-multimedia-receive-channel-pass-through-party-id>
  alg-sccp-multimedia-receive-channel-pass-through-party-id
</alg-sccp-multimedia-receive-channel-pass-through-party-id>
<alg-sccp-multimedia-receive-channel-resource-id>
  alg-sccp-multimedia-receive-channel-resource-id
</alg-sccp-multimedia-receive-channel-resource-id>
<alg-sccp-multimedia-transmit-channel-ip-address>
  alg-sccp-multimedia-transmit-channel-ip-address
</alg-sccp-multimedia-transmit-channel-ip-address>
<alg-sccp-multimedia-transmit-channel-port>
  alg-sccp-multimedia-transmit-channel-port
</alg-sccp-multimedia-transmit-channel-port>
<alg-sccp-multimedia-transmit-channel-translated-ip-address>
  alg-sccp-multimedia-transmit-channel-translated-ip-address
</alg-sccp-multimedia-transmit-channel-translated-ip-address>
<alg-sccp-multimedia-transmit-channel-translated-port>
  alg-sccp-multimedia-transmit-channel-translated-port
</alg-sccp-multimedia-transmit-channel-translated-port>
<alg-sccp-multimedia-transmit-channel-pass-through-party-id>
  alg-sccp-multimedia-transmit-channel-pass-through-party-id
</alg-sccp-multimedia-transmit-channel-pass-through-party-id>
<alg-sccp-multimedia-transmit-channel-resource-id>
  alg-sccp-multimedia-transmit-channel-resource-id
</alg-sccp-multimedia-transmit-channel-resource-id>
</alg-sccp-call-channel-data>
</alg-sccp-call-data>
</alg-sccp-call-information>
```

**Description** Channel information for the SCCP call

### <alg-sccp-call-data>

#### Usage

```
<alg-sccp-call-information>
  <alg-sccp-call-data>
    <alg-sccp-call-client-ip-address>
      alg-sccp-call-client-ip-address
    </alg-sccp-call-client-ip-address>
    <alg-sccp-call-client-zone-name>
      alg-sccp-call-client-zone-name
    </alg-sccp-call-client-zone-name>
    <alg-sccp-call-client-zone-id>
      alg-sccp-call-client-zone-id
    </alg-sccp-call-client-zone-id>
    <alg-sccp-call-manager-ip-address>
      alg-sccp-call-manager-ip-address
    </alg-sccp-call-manager-ip-address>
    <alg-sccp-call-conference-id>
      alg-sccp-call-conference-id
    </alg-sccp-call-conference-id>
    <alg-sccp-call-resource-manager-group-id>
```



```

    alg-sccp-call-resource-manager-group-id
  </alg-sccp-call-resource-manager-group-id>
  <alg-sccp-call-channel-data>....</alg-sccp-call-channel-data>
</alg-sccp-call-data>
</alg-sccp-call-information>

```

**Description** Information about an SCCP call

### <alg-sccp-call-information>

#### Usage

```

<alg-sccp-call-information>
  <alg-sccp-call-data>....</alg-sccp-call-data>
  <alg-sccp-calls-num-active-calls>
    alg-sccp-calls-num-active-calls
  </alg-sccp-calls-num-active-calls>
</alg-sccp-call-information>

```

**Description** Information about one or more Skinny Client Control Protocol (SCCP) calls

### <alg-sccp-counters>

#### Usage

```

<alg-sccp-counters>
  <alg-sccp-counters-active-client-sessions>
    alg-sccp-counters-active-client-sessions
  </alg-sccp-counters-active-client-sessions>
  <alg-sccp-counters-packets-dropped>
    alg-sccp-counters-packets-dropped
  </alg-sccp-counters-packets-dropped>
  <alg-sccp-counters-decode-errors>
    alg-sccp-counters-decode-errors
  </alg-sccp-counters-decode-errors>
  <alg-sccp-counters-protocol-errors>
    alg-sccp-counters-protocol-errors
  </alg-sccp-counters-protocol-errors>
  <alg-sccp-counters-nat-errors>
    alg-sccp-counters-nat-errors
  </alg-sccp-counters-nat-errors>
  <alg-sccp-counters-policy-not-found>
    alg-sccp-counters-policy-not-found
  </alg-sccp-counters-policy-not-found>
  <alg-sccp-counters-unknown-pdus>
    alg-sccp-counters-unknown-pdus
  </alg-sccp-counters-unknown-pdus>
  <alg-sccp-counters-maximum-calls-exceeded>
    alg-sccp-counters-maximum-calls-exceeded
  </alg-sccp-counters-maximum-calls-exceeded>
  <alg-sccp-counters-maximum-call-rate-exceeded>
    alg-sccp-counters-maximum-call-rate-exceeded
  </alg-sccp-counters-maximum-call-rate-exceeded>
  <alg-sccp-counters-init-errors>

```

```
    alg-sccp-counters-init-errors
  </alg-sccp-counters-init-errors>
  <alg-sccp-counters-internal-errors>
    alg-sccp-counters-internal-errors
  </alg-sccp-counters-internal-errors>
  <alg-sccp-counters-unspecified-errors>
    alg-sccp-counters-unspecified-errors
  </alg-sccp-counters-unspecified-errors>
  <alg-sccp-counters-no-active-calls>
    alg-sccp-counters-no-active-calls
  </alg-sccp-counters-no-active-calls>
  <alg-sccp-counters-no-active-sessions>
    alg-sccp-counters-no-active-sessions
  </alg-sccp-counters-no-active-sessions>
  <alg-sccp-counters-cookie-create-errors>
    alg-sccp-counters-cookie-create-errors
  </alg-sccp-counters-cookie-create-errors>
  <alg-sccp-counters-bad-nat-cookie>
    alg-sccp-counters-bad-nat-cookie
  </alg-sccp-counters-bad-nat-cookie>
  <alg-sccp-counters-nat-cookie-not-found>
    alg-sccp-counters-nat-cookie-not-found
  </alg-sccp-counters-nat-cookie-not-found>
  <alg-sccp-counters-dscp-marked-errors>
    alg-sccp-counters-dscp-marked-errors
  </alg-sccp-counters-dscp-marked-errors>
  <alg-sccp-counters-active-calls>
    alg-sccp-counters-active-calls
  </alg-sccp-counters-active-calls>
  <alg-sccp-counters-total-calls>
    alg-sccp-counters-total-calls
  </alg-sccp-counters-total-calls>
  <alg-sccp-counters-packets-received>
    alg-sccp-counters-packets-received
  </alg-sccp-counters-packets-received>
  <alg-sccp-counters-pdus-processed>
    alg-sccp-counters-pdus-processed
  </alg-sccp-counters-pdus-processed>
  <alg-sccp-counters-current-call-rate>
    alg-sccp-counters-current-call-rate
  </alg-sccp-counters-current-call-rate>
  <alg-sccp-counters-dscp-marked>
    alg-sccp-counters-dscp-marked
  </alg-sccp-counters-dscp-marked>
</alg-sccp-counters>
```

**Description** Skinny Client Control Protocol (SCCP) Application Layer Gateway (ALG) counters representing runtime information

## <alg-sip-call-information>

### Usage

```
<alg-sip-call-information>
  <alg-sip-calls-total-num-calls>
```

```

    alg-sip-calls-total-num-calls
  </alg-sip-calls-total-num-calls>
  <alg-sip-calls-data>....</alg-sip-calls-data>
</alg-sip-call-information>

```

#### Description

### <alg-sip-calls-data>

#### Usage

```

<alg-sip-call-information>
  <alg-sip-calls-data>
    <alg-sip-calls-call-id>
      alg-sip-calls-call-id
    </alg-sip-calls-call-id>
    <alg-sip-calls-method>
      alg-sip-calls-method
    </alg-sip-calls-method>
    <alg-sip-calls-state>
      alg-sip-calls-state
    </alg-sip-calls-state>
    <alg-sip-calls-rm-group-id>
      alg-sip-calls-rm-group-id
    </alg-sip-calls-rm-group-id>
  </alg-sip-calls-data>
</alg-sip-call-information>

```

#### Description

### <alg-sip-counter-information>

#### Usage

```

<alg-sip-counter-information>
  <alg-sip-counters-data>....</alg-sip-counters-data>
  <alg-sip-counters-total-packet-in>
    alg-sip-counters-total-packet-in
  </alg-sip-counters-total-packet-in>
  <alg-sip-counters-pkt-drop-on-error>
    alg-sip-counters-pkt-drop-on-error
  </alg-sip-counters-pkt-drop-on-error>
  <alg-sip-counters-call-error>
    alg-sip-counters-call-error
  </alg-sip-counters-call-error>
  <alg-sip-counters-ip-resolve-error>
    alg-sip-counters-ip-resolve-error
  </alg-sip-counters-ip-resolve-error>
  <alg-sip-counters-nat-error>
    alg-sip-counters-nat-error
  </alg-sip-counters-nat-error>
  <alg-sip-counters-resmgr-error>
    alg-sip-counters-resmgr-error
  </alg-sip-counters-resmgr-error>
  <alg-sip-counters-rr-hdr-exceeded-max>
    alg-sip-counters-rr-hdr-exceeded-max

```

```
</alg-sip-counters-rr-hdr-exceeded-max>
<alg-sip-counters-contact-hdr-exceeded-max>
  alg-sip-counters-contact-hdr-exceeded-max
</alg-sip-counters-contact-hdr-exceeded-max>
<alg-sip-counters-call-drop-to-limit>
  alg-sip-counters-call-drop-to-limit
</alg-sip-counters-call-drop-to-limit>
<alg-sip-counters-sip-stack-error>
  alg-sip-counters-sip-stack-error
</alg-sip-counters-sip-stack-error>
<alg-sip-counters-sip-decode-error>
  alg-sip-counters-sip-decode-error
</alg-sip-counters-sip-decode-error>
<alg-sip-counters-unknown-method-error>
  alg-sip-counters-unknown-method-error
</alg-sip-counters-unknown-method-error>
<alg-sip-counters-dscp-marked>
  alg-sip-counters-dscp-marked
</alg-sip-counters-dscp-marked>
<alg-sip-counters-dscp-marked-error>
  alg-sip-counters-dscp-marked-error
</alg-sip-counters-dscp-marked-error>
<alg-sip-counters-ha-packet-out>
  alg-sip-counters-ha-packet-out
</alg-sip-counters-ha-packet-out>
<alg-sip-counters-ha-packet-in>
  alg-sip-counters-ha-packet-in
</alg-sip-counters-ha-packet-in>
<alg-sip-counters-ha-buffer-alloc-error>
  alg-sip-counters-ha-buffer-alloc-error
</alg-sip-counters-ha-buffer-alloc-error>
<alg-sip-counters-ha-transmit-error>
  alg-sip-counters-ha-transmit-error
</alg-sip-counters-ha-transmit-error>
<alg-sip-counters-ha-send-proc-error>
  alg-sip-counters-ha-send-proc-error
</alg-sip-counters-ha-send-proc-error>
<alg-sip-counters-ha-receive-proc-error>
  alg-sip-counters-ha-receive-proc-error
</alg-sip-counters-ha-receive-proc-error>
<alg-sip-counters-ha-receive-inv-len-error>
  alg-sip-counters-ha-receive-inv-len-error
</alg-sip-counters-ha-receive-inv-len-error>
<alg-sip-counters-ha-receive-call-proc-error>
  alg-sip-counters-ha-receive-call-proc-error
</alg-sip-counters-ha-receive-call-proc-error>
<alg-sip-counters-ha-receive-call-alloc-error>
  alg-sip-counters-ha-receive-call-alloc-error
</alg-sip-counters-ha-receive-call-alloc-error>
<alg-sip-counters-ha-receive-call-reg-error>
  alg-sip-counters-ha-receive-call-reg-error
</alg-sip-counters-ha-receive-call-reg-error>
<alg-sip-counters-ha-receive-invalid-status-error>
  alg-sip-counters-ha-receive-invalid-status-error
</alg-sip-counters-ha-receive-invalid-status-error>
```

```
</alg-sip-counter-information>
```

## Description

```
<alg-sip-counters-data>
```

## Usage

```
<alg-sip-counter-information>
  <alg-sip-counters-data>
    <alg-sip-counters-tbl-method>
      alg-sip-counters-tbl-method
    </alg-sip-counters-tbl-method>
    <alg-sip-counters-tbl-transmit>
      alg-sip-counters-tbl-transmit
    </alg-sip-counters-tbl-transmit>
    <alg-sip-counters-tbl-retransmit>
      alg-sip-counters-tbl-retransmit
    </alg-sip-counters-tbl-retransmit>
    <alg-sip-counters-tbl-transmit-1xx>
      alg-sip-counters-tbl-transmit-1xx
    </alg-sip-counters-tbl-transmit-1xx>
    <alg-sip-counters-tbl-retransmit-1xx>
      alg-sip-counters-tbl-retransmit-1xx
    </alg-sip-counters-tbl-retransmit-1xx>
    <alg-sip-counters-tbl-transmit-2xx>
      alg-sip-counters-tbl-transmit-2xx
    </alg-sip-counters-tbl-transmit-2xx>
    <alg-sip-counters-tbl-retransmit-2xx>
      alg-sip-counters-tbl-retransmit-2xx
    </alg-sip-counters-tbl-retransmit-2xx>
    <alg-sip-counters-tbl-transmit-3xx>
      alg-sip-counters-tbl-transmit-3xx
    </alg-sip-counters-tbl-transmit-3xx>
    <alg-sip-counters-tbl-retransmit-3xx>
      alg-sip-counters-tbl-retransmit-3xx
    </alg-sip-counters-tbl-retransmit-3xx>
    <alg-sip-counters-tbl-transmit-4xx>
      alg-sip-counters-tbl-transmit-4xx
    </alg-sip-counters-tbl-transmit-4xx>
    <alg-sip-counters-tbl-retransmit-4xx>
      alg-sip-counters-tbl-retransmit-4xx
    </alg-sip-counters-tbl-retransmit-4xx>
    <alg-sip-counters-tbl-transmit-5xx>
      alg-sip-counters-tbl-transmit-5xx
    </alg-sip-counters-tbl-transmit-5xx>
    <alg-sip-counters-tbl-retransmit-5xx>
      alg-sip-counters-tbl-retransmit-5xx
    </alg-sip-counters-tbl-retransmit-5xx>
    <alg-sip-counters-tbl-transmit-6xx>
      alg-sip-counters-tbl-transmit-6xx
    </alg-sip-counters-tbl-transmit-6xx>
    <alg-sip-counters-tbl-retransmit-6xx>
      alg-sip-counters-tbl-retransmit-6xx
    </alg-sip-counters-tbl-retransmit-6xx>
  </alg-sip-counters-data>
```

</alg-sip-counter-information>

#### Description

### <alg-sip-rate>

#### Usage

```
<alg-sip-rate>
  <alg-sip-rate-cpu-tick>
    alg-sip-rate-cpu-tick
  </alg-sip-rate-cpu-tick>
  <alg-sip-rate-last-msg-time>
    alg-sip-rate-last-msg-time
  </alg-sip-rate-last-msg-time>
  <alg-sip-rate-num_message>
    alg-sip-rate-num_message
  </alg-sip-rate-num_message>
  <alg-sip-rate-msg-time-taken>
    alg-sip-rate-msg-time-taken
  </alg-sip-rate-msg-time-taken>
  <alg-sip-rate-msg-rate>
    alg-sip-rate-msg-rate
  </alg-sip-rate-msg-rate>
</alg-sip-rate>
```

#### Description

### <alg-status>

#### Usage

```
<alg-status>
  <alg-dns-status>
    alg-dns-status
  </alg-dns-status>
  <alg-ftp-status>
    alg-ftp-status
  </alg-ftp-status>
  <alg-h323-status>
    alg-h323-status
  </alg-h323-status>
  <alg-mgcp-status>
    alg-mgcp-status
  </alg-mgcp-status>
  <alg-msrpc-status>
    alg-msrpc-status
  </alg-msrpc-status>
  <alg-pptp-status>
    alg-pptp-status
  </alg-pptp-status>
  <alg-rsh-status>
    alg-rsh-status
  </alg-rsh-status>
  <alg-rtsp-status>
    alg-rtsp-status
```

```

</alg-rtsp-status>
<alg-sccp-status>
  alg-sccp-status
</alg-sccp-status>
<alg-sip-status>
  alg-sip-status
</alg-sip-status>
<alg-sql-status>
  alg-sql-status
</alg-sql-status>
<alg-sunrpc-status>
  alg-sunrpc-status
</alg-sunrpc-status>
<alg-talk-status>
  alg-talk-status
</alg-talk-status>
<alg-tftp-status>
  alg-tftp-status
</alg-tftp-status>
<alg-ike-esp-nat-status>
  alg-ike-esp-nat-status
</alg-ike-esp-nat-status>
</alg-status>

```

#### Description

#### <alg-sunrpc-map>

##### Usage

```

<alg-sunrpc-map>
  <alg-sunrpc-map-data>....</alg-sunrpc-map-data>
</alg-sunrpc-map>

```

#### Description

#### <alg-sunrpc-map-data>

##### Usage

```

<alg-sunrpc-map>
  <alg-sunrpc-map-data>
    <alg-sunrpc-map-data-ip>
      alg-sunrpc-map-data-ip
    </alg-sunrpc-map-data-ip>
    <alg-sunrpc-map-data-port>
      alg-sunrpc-map-data-port
    </alg-sunrpc-map-data-port>
    <alg-sunrpc-map-data-protocol>
      alg-sunrpc-map-data-protocol
    </alg-sunrpc-map-data-protocol>
    <alg-sunrpc-map-data-program>
      alg-sunrpc-map-data-program
    </alg-sunrpc-map-data-program>
  </alg-sunrpc-map-data>

```

```
</alg-sunrpc-map>
```

#### Description

**<ike-esp-cookies>**

#### Usage

```
<alg-ike-esp-show>
  <ike-esp-cookies>
    <ike-esp-icookie>
      ike-esp-icookie
    </ike-esp-icookie>
    <ike-esp-rcookie>
      ike-esp-rcookie
    </ike-esp-rcookie>
    <ike-esp-session>
      ike-esp-session
    </ike-esp-session>
    <ike-esp-state>
      ike-esp-state
    </ike-esp-state>
    <ike-esp-age>
      ike-esp-age
    </ike-esp-age>
  </ike-esp-cookies>
</alg-ike-esp-show>
```

#### Description

### Summary of AVT Response Tags ---

**<avt-counter-statistics>**

#### Usage

```
<avt-counters>
  <avt-counter-statistics>
    <name>
      name
    </name>
    <value>
      value
    </value>
  </avt-counter-statistics>
</avt-counters>
```

#### Description

**<avt-counters>**

#### Usage

```
<avt-counters>
  <avt-counter-statistics>....</avt-counter-statistics>
```



</avt-counters>

#### Description

### Summary of Data Link Switching Response Tags

#### <dlsw-capabilities>

##### Usage

```
<dlsw-capabilities>
  <peer-address>
    peer-address
  </peer-address>
  <vendor-id>
    vendor-id
  </vendor-id>
  <version-number>
    version-number
  </version-number>
  <initial-pacing-window-size>
    initial-pacing-window-size
  </initial-pacing-window-size>
  <version-string>
    version-string
  </version-string>
  <dlsw-capability-strings>....</dlsw-capability-strings>
  <version-string-multi>....</version-string-multi>
</dlsw-capabilities>
```

#### Description

#### <dlsw-capabilities>

##### Usage

```
<dlsw-capabilities-list>
  <dlsw-capabilities>
    <peer-address>
      peer-address
    </peer-address>
    <vendor-id>
      vendor-id
    </vendor-id>
    <version-number>
      version-number
    </version-number>
    <initial-pacing-window-size>
      initial-pacing-window-size
    </initial-pacing-window-size>
    <version-string>
      version-string
    </version-string>
    <dlsw-capability-strings>....</dlsw-capability-strings>
    <version-string-multi>....</version-string-multi>
  </dlsw-capabilities>
```

</dlsw-capabilities-list>

#### Description

<dlsw-capabilities-list>

#### Usage

```
<dlsw-capabilities-list>
  <dlsw-capabilities>....</dlsw-capabilities>
</dlsw-capabilities-list>
```

#### Description

<dlsw-capability-strings>

#### Usage

```
<dlsw-capabilities>
  <dlsw-capability-strings>
</dlsw-capability-strings>
</dlsw-capabilities>
```

#### Description

<dlsw-capability-strings>

#### Usage

```
<dlsw-capabilities-list>
  <dlsw-capabilities>
    <dlsw-capability-strings>
  </dlsw-capability-strings>
</dlsw-capabilities>
</dlsw-capabilities-list>
```

#### Description

<dlsw-circuit>

#### Usage

```
<dlsw-circuit>
  <local-address>
    local-address
  </local-address>
  <lsap>
    lsap
  </lsap>
  <remote-address>
    remote-address
  </remote-address>
  <dsap>
    dsap
  </dsap>
  <circuit-state>
```

```

    circuit-state
  </circuit-state>
  <peer-address>
    peer-address
  </peer-address>
  <circuit-id>
    circuit-id
  </circuit-id>
  <circuit-uptime>
    circuit-uptime
  </circuit-uptime>
  <current-state-time>
    current-state-time
  </current-state-time>
  <max-btu-size>
    max-btu-size
  </max-btu-size>
  <circuit-priority>
    circuit-priority
  </circuit-priority>
  <dlsw-circuit-statistics>....</dlsw-circuit-statistics>
</dlsw-circuit>

```

#### Description

<dlsw-circuit>

#### Usage

```

<dlsw-circuit-list>
  <dlsw-circuit>
    <local-address>
      local-address
    </local-address>
    <lsap>
      lsap
    </lsap>
    <remote-address>
      remote-address
    </remote-address>
    <dsap>
      dsap
    </dsap>
    <circuit-state>
      circuit-state
    </circuit-state>
    <peer-address>
      peer-address
    </peer-address>
    <circuit-id>
      circuit-id
    </circuit-id>
    <circuit-uptime>
      circuit-uptime
    </circuit-uptime>
    <current-state-time>

```

```
        current-state-time
      </current-state-time>
    <max-btu-size>
      max-btu-size
    </max-btu-size>
    <circuit-priority>
      circuit-priority
    </circuit-priority>
    <dlsw-circuit-statistics>....</dlsw-circuit-statistics>
  </dlsw-circuit>
</dlsw-circuit-list>
```

#### Description

### <dlsw-circuit-list>

#### Usage

```
<dlsw-circuit-list>
  <dlsw-circuit>....</dlsw-circuit>
</dlsw-circuit-list>
```

#### Description

### <dlsw-circuit-statistics>

#### Usage

```
<dlsw-circuit-statistics>
  <iframes-received>
    iframes-received
  </iframes-received>
  <iframes-sent>
    iframes-sent
  </iframes-sent>
  <ibytes-received>
    ibytes-received
  </ibytes-received>
  <ibytes-sent>
    ibytes-sent
  </ibytes-sent>
  <iframes-rejected>
    iframes-rejected
  </iframes-rejected>
  <ibytes-rejected>
    ibytes-rejected
  </ibytes-rejected>
  <iframes-retransmitted>
    iframes-retransmitted
  </iframes-retransmitted>
  <ibytes-retransmitted>
    ibytes-retransmitted
  </ibytes-retransmitted>
  <reject-sent>
    reject-sent
  </reject-sent>
```

```

<reject-received>
  reject-received
</reject-received>
<xid-sent>
  xid-sent
</xid-sent>
<xid-received>
  xid-received
</xid-received>
</dlsw-circuit-statistics>

```

**Description** DLSw circuit statistics

### <dlsw-circuit-statistics>

#### Usage

```

<dlsw-circuit>
  <dlsw-circuit-statistics>
    <iframes-received>
      iframes-received
    </iframes-received>
    <iframes-sent>
      iframes-sent
    </iframes-sent>
    <ibytes-received>
      ibytes-received
    </ibytes-received>
    <ibytes-sent>
      ibytes-sent
    </ibytes-sent>
    <iframes-rejected>
      iframes-rejected
    </iframes-rejected>
    <ibytes-rejected>
      ibytes-rejected
    </ibytes-rejected>
    <iframes-retransmitted>
      iframes-retransmitted
    </iframes-retransmitted>
    <ibytes-retransmitted>
      ibytes-retransmitted
    </ibytes-retransmitted>
    <reject-sent>
      reject-sent
    </reject-sent>
    <reject-received>
      reject-received
    </reject-received>
    <xid-sent>
      xid-sent
    </xid-sent>
    <xid-received>
      xid-received
    </xid-received>
  </dlsw-circuit-statistics>
</dlsw-circuit>

```

```
</dlsw-circuit-statistics>
</dlsw-circuit>
```

**Description** DLSw circuit statistics

### <dlsw-circuit-statistics>

#### Usage

```
<dlsw-circuit-list>
<dlsw-circuit>
  <dlsw-circuit-statistics>
    <iframes-received>
      iframes-received
    </iframes-received>
    <iframes-sent>
      iframes-sent
    </iframes-sent>
    <ibytes-received>
      ibytes-received
    </ibytes-received>
    <ibytes-sent>
      ibytes-sent
    </ibytes-sent>
    <iframes-rejected>
      iframes-rejected
    </iframes-rejected>
    <ibytes-rejected>
      ibytes-rejected
    </ibytes-rejected>
    <iframes-retransmitted>
      iframes-retransmitted
    </iframes-retransmitted>
    <ibytes-retransmitted>
      ibytes-retransmitted
    </ibytes-retransmitted>
    <reject-sent>
      reject-sent
    </reject-sent>
    <reject-received>
      reject-received
    </reject-received>
    <xid-sent>
      xid-sent
    </xid-sent>
    <xid-received>
      xid-received
    </xid-received>
  </dlsw-circuit-statistics>
</dlsw-circuit>
</dlsw-circuit-list>
```

**Description** DLSw circuit statistics

**<dlsw-peer>****Usage**

```

<dlsw-peer>
  <peer-address>
    peer-address
  </peer-address>
  <peer-state>
    peer-state
  </peer-state>
  <peer-circuits>
    peer-circuits
  </peer-circuits>
  <local-address>
    local-address
  </local-address>
  <peer-uptime>
    peer-uptime
  </peer-uptime>
  <initial-receive-pacing>
    initial-receive-pacing
  </initial-receive-pacing>
  <connection-idle-timeout>
    connection-idle-timeout
  </connection-idle-timeout>
  <dlsw-peer-statistics>....</dlsw-peer-statistics>
  <tos-value>
    tos-value
  </tos-value>
  <destination-sna-interface>
    destination-sna-interface
  </destination-sna-interface>
  <peer-cost>
    peer-cost
  </peer-cost>
  <peer-circuit-weight>
    peer-circuit-weight
  </peer-circuit-weight>
  <load-balance>
    load-balance
  </load-balance>
</dlsw-peer>

```

**Description****<dlsw-peer>****Usage**

```

<dlsw-peer-list>
  <dlsw-peer>
    <peer-address>
      peer-address
    </peer-address>
    <peer-state>

```

```
    peer-state
  </peer-state>
  <peer-circuits>
    peer-circuits
  </peer-circuits>
  <local-address>
    local-address
  </local-address>
  <peer-uptime>
    peer-uptime
  </peer-uptime>
  <initial-receive-pacing>
    initial-receive-pacing
  </initial-receive-pacing>
  <connection-idle-timeout>
    connection-idle-timeout
  </connection-idle-timeout>
  <dlsw-peer-statistics>....</dlsw-peer-statistics>
  <tos-value>
    tos-value
  </tos-value>
  <destination-sna-interface>
    destination-sna-interface
  </destination-sna-interface>
  <peer-cost>
    peer-cost
  </peer-cost>
  <peer-circuit-weight>
    peer-circuit-weight
  </peer-circuit-weight>
  <load-balance>
    load-balance
  </load-balance>
</dlsw-peer>
</dlsw-peer-list>
```

#### Description

#### <dlsw-peer-list>

##### Usage

```
<dlsw-peer-list>
  <dlsw-peer>....</dlsw-peer>
</dlsw-peer-list>
```

#### Description

#### <dlsw-peer-statistics>

##### Usage

```
<dlsw-peer-statistics>
  <packets-received>
    packets-received
  </packets-received>
```



```

<packets-sent>
  packets-sent
</packets-sent>
<bytes-received>
  bytes-received
</bytes-received>
<bytes-sent>
  bytes-sent
</bytes-sent>
<control-packets-received>
  control-packets-received
</control-packets-received>
<control-packets-sent>
  control-packets-sent
</control-packets-sent>
<canureach-ex-received>
  canureach-ex-received
</canureach-ex-received>
<canureach-ex-sent>
  canureach-ex-sent
</canureach-ex-sent>
<icanreach-ex-received>
  icanreach-ex-received
</icanreach-ex-received>
<icanreach-ex-sent>
  icanreach-ex-sent
</icanreach-ex-sent>
</dlsw-peer-statistics>

```

**Description** DLSw Peer Statistics

### <dlsw-peer-statistics>

#### Usage

```

<dlsw-peer>
  <dlsw-peer-statistics>
    <packets-received>
      packets-received
    </packets-received>
    <packets-sent>
      packets-sent
    </packets-sent>
    <bytes-received>
      bytes-received
    </bytes-received>
    <bytes-sent>
      bytes-sent
    </bytes-sent>
    <control-packets-received>
      control-packets-received
    </control-packets-received>
    <control-packets-sent>
      control-packets-sent
    </control-packets-sent>
  </dlsw-peer-statistics>
</dlsw-peer>

```

```
<canureach-ex-received>
  canureach-ex-received
</canureach-ex-received>
<canureach-ex-sent>
  canureach-ex-sent
</canureach-ex-sent>
<icanreach-ex-received>
  icanreach-ex-received
</icanreach-ex-received>
<icanreach-ex-sent>
  icanreach-ex-sent
</icanreach-ex-sent>
</dlsw-peer-statistics>
</dlsw-peer>
```

**Description** DLSw Peer Statistics

### <dlsw-peer-statistics>

#### Usage

```
<dlsw-peer-list>
<dlsw-peer>
  <dlsw-peer-statistics>
    <packets-received>
      packets-received
    </packets-received>
    <packets-sent>
      packets-sent
    </packets-sent>
    <bytes-received>
      bytes-received
    </bytes-received>
    <bytes-sent>
      bytes-sent
    </bytes-sent>
    <control-packets-received>
      control-packets-received
    </control-packets-received>
    <control-packets-sent>
      control-packets-sent
    </control-packets-sent>
    <canureach-ex-received>
      canureach-ex-received
    </canureach-ex-received>
    <canureach-ex-sent>
      canureach-ex-sent
    </canureach-ex-sent>
    <icanreach-ex-received>
      icanreach-ex-received
    </icanreach-ex-received>
    <icanreach-ex-sent>
      icanreach-ex-sent
    </icanreach-ex-sent>
  </dlsw-peer-statistics>
```

```

</dlsw-peer>
</dlsw-peer-list>

```

**Description** DLSw Peer Statistics

### <dlsw-reachability>

#### Usage

```

<dlsw-reachability>
  <mac-index>
    mac-index
  </mac-index>
  <mac-address>
    mac-address
  </mac-address>
  <mac-location>
    mac-location
  </mac-location>
  <remote-dlsw-address>
    remote-dlsw-address
  </remote-dlsw-address>
  <dlsw-peer-interface>
    dlsw-peer-interface
  </dlsw-peer-interface>
</dlsw-reachability>

```

#### Description

### <dlsw-reachability>

#### Usage

```

<dlsw-reachability-list>
  <dlsw-reachability>
    <mac-index>
      mac-index
    </mac-index>
    <mac-address>
      mac-address
    </mac-address>
    <mac-location>
      mac-location
    </mac-location>
    <remote-dlsw-address>
      remote-dlsw-address
    </remote-dlsw-address>
    <dlsw-peer-interface>
      dlsw-peer-interface
    </dlsw-peer-interface>
  </dlsw-reachability>
</dlsw-reachability-list>

```

#### Description

## <dlsw-reachability-list>

### Usage

```
<dlsw-reachability-list>
  <dlsw-reachability>....</dlsw-reachability>
</dlsw-reachability-list>
```

### Description

## <dlsw-version>

### Usage

```
<dlsw-version>
</dlsw-version>
```

### Description

## <llc2>

### Usage

```
<llc2>
  <interface>
    interface
  </interface>
  <track-peer>
    track-peer
  </track-peer>
  <track-destination>
    track-destination
  </track-destination>
  <track-interface>
    track-interface
  </track-interface>
  <unit>
    unit
  </unit>
  <group>
    group
  </group>
  <interface-state>
    interface-state
  </interface-state>
  <state>
    state
  </state>
  <track-interface-state>
    track-interface-state
  </track-interface-state>
  <track-interface-cost>
    track-interface-cost
  </track-interface-cost>
  <track-peer-state>
    track-peer-state
```

```
</track-peer-state>
<track-peer-cost>
  track-peer-cost
</track-peer-cost>
<track-destination-state>
  track-destination-state
</track-destination-state>
<track-destination-cost>
  track-destination-cost
</track-destination-cost>
<group-configured-priority>
  group-configured-priority
</group-configured-priority>
<group-run-priority>
  group-run-priority
</group-run-priority>
<local-mac>
  local-mac
</local-mac>
<remote-mac>
  remote-mac
</remote-mac>
<ifl-index>
  ifl-index
</ifl-index>
<advertise-interval>
  advertise-interval
</advertise-interval>
<advertise-timer>
  advertise-timer
</advertise-timer>
<preempt>
  preempt
</preempt>
<master-router-uptime>
  master-router-uptime
</master-router-uptime>
<tracking>
  tracking
</tracking>
<interface-ads-sent>
  interface-ads-sent
</interface-ads-sent>
<interface-ads-received>
  interface-ads-received
</interface-ads-received>
<interface-bad-ttl-value-received>
  interface-bad-ttl-value-received
</interface-bad-ttl-value-received>
<interface-bad-version-received>
  interface-bad-version-received
</interface-bad-version-received>
<interface-bad-pdu-type-received>
  interface-bad-pdu-type-received
</interface-bad-pdu-type-received>
<interface-bad-checksum-received>
```

```
    interface-bad-checksum-received
  </interface-bad-checksum-received>
</llc2>
```

## Description

<llc2>

## Usage

```
<llc2-redundancy-track-interface>
<llc2>
  <interface>
    interface
  </interface>
  <track-peer>
    track-peer
  </track-peer>
  <track-destination>
    track-destination
  </track-destination>
  <track-interface>
    track-interface
  </track-interface>
  <unit>
    unit
  </unit>
  <group>
    group
  </group>
  <interface-state>
    interface-state
  </interface-state>
  <state>
    state
  </state>
  <track-interface-state>
    track-interface-state
  </track-interface-state>
  <track-interface-cost>
    track-interface-cost
  </track-interface-cost>
  <track-peer-state>
    track-peer-state
  </track-peer-state>
  <track-peer-cost>
    track-peer-cost
  </track-peer-cost>
  <track-destination-state>
    track-destination-state
  </track-destination-state>
  <track-destination-cost>
    track-destination-cost
  </track-destination-cost>
  <group-configured-priority>
    group-configured-priority
```

```

</group-configured-priority>
<group-run-priority>
  group-run-priority
</group-run-priority>
<local-mac>
  local-mac
</local-mac>
<remote-mac>
  remote-mac
</remote-mac>
<ifl-index>
  ifl-index
</ifl-index>
<advertise-interval>
  advertise-interval
</advertise-interval>
<advertise-timer>
  advertise-timer
</advertise-timer>
<preempt>
  preempt
</preempt>
<master-router-uptime>
  master-router-uptime
</master-router-uptime>
<tracking>
  tracking
</tracking>
<interface-ads-sent>
  interface-ads-sent
</interface-ads-sent>
<interface-ads-received>
  interface-ads-received
</interface-ads-received>
<interface-bad-ttl-value-received>
  interface-bad-ttl-value-received
</interface-bad-ttl-value-received>
<interface-bad-version-received>
  interface-bad-version-received
</interface-bad-version-received>
<interface-bad-pdu-type-received>
  interface-bad-pdu-type-received
</interface-bad-pdu-type-received>
<interface-bad-checksum-received>
  interface-bad-checksum-received
</interface-bad-checksum-received>
</llc2>
</llc2-redundancy-track-interface>

```

#### Description

<llc2>

#### Usage

<llc2-redundancy-track-interface-list>

```
<llc2-redundancy-track-interface>
<llc2>
  <interface>
    interface
  </interface>
  <track-peer>
    track-peer
  </track-peer>
  <track-destination>
    track-destination
  </track-destination>
  <track-interface>
    track-interface
  </track-interface>
  <unit>
    unit
  </unit>
  <group>
    group
  </group>
  <interface-state>
    interface-state
  </interface-state>
  <state>
    state
  </state>
  <track-interface-state>
    track-interface-state
  </track-interface-state>
  <track-interface-cost>
    track-interface-cost
  </track-interface-cost>
  <track-peer-state>
    track-peer-state
  </track-peer-state>
  <track-peer-cost>
    track-peer-cost
  </track-peer-cost>
  <track-destination-state>
    track-destination-state
  </track-destination-state>
  <track-destination-cost>
    track-destination-cost
  </track-destination-cost>
  <group-configured-priority>
    group-configured-priority
  </group-configured-priority>
  <group-run-priority>
    group-run-priority
  </group-run-priority>
  <local-mac>
    local-mac
  </local-mac>
  <remote-mac>
    remote-mac
  </remote-mac>
```



```

<ifl-index>
  ifl-index
</ifl-index>
<advertise-interval>
  advertise-interval
</advertise-interval>
<advertise-timer>
  advertise-timer
</advertise-timer>
<preempt>
  preempt
</preempt>
<master-router-uptime>
  master-router-uptime
</master-router-uptime>
<tracking>
  tracking
</tracking>
<interface-ads-sent>
  interface-ads-sent
</interface-ads-sent>
<interface-ads-received>
  interface-ads-received
</interface-ads-received>
<interface-bad-ttl-value-received>
  interface-bad-ttl-value-received
</interface-bad-ttl-value-received>
<interface-bad-version-received>
  interface-bad-version-received
</interface-bad-version-received>
<interface-bad-pdu-type-received>
  interface-bad-pdu-type-received
</interface-bad-pdu-type-received>
<interface-bad-checksum-received>
  interface-bad-checksum-received
</interface-bad-checksum-received>
</llc2>
</llc2-redundancy-track-interface>
</llc2-redundancy-track-interface-list>

```

## Description

<llc2>

## Usage

```

<llc2-redundancy-track-dlsw-peer>
<llc2>
  <interface>
    interface
  </interface>
  <track-peer>
    track-peer
  </track-peer>
  <track-destination>
    track-destination

```

```
</track-destination>
<track-interface>
  track-interface
</track-interface>
<unit>
  unit
</unit>
<group>
  group
</group>
<interface-state>
  interface-state
</interface-state>
<state>
  state
</state>
<track-interface-state>
  track-interface-state
</track-interface-state>
<track-interface-cost>
  track-interface-cost
</track-interface-cost>
<track-peer-state>
  track-peer-state
</track-peer-state>
<track-peer-cost>
  track-peer-cost
</track-peer-cost>
<track-destination-state>
  track-destination-state
</track-destination-state>
<track-destination-cost>
  track-destination-cost
</track-destination-cost>
<group-configured-priority>
  group-configured-priority
</group-configured-priority>
<group-run-priority>
  group-run-priority
</group-run-priority>
<local-mac>
  local-mac
</local-mac>
<remote-mac>
  remote-mac
</remote-mac>
<ifl-index>
  ifl-index
</ifl-index>
<advertise-interval>
  advertise-interval
</advertise-interval>
<advertise-timer>
  advertise-timer
</advertise-timer>
<preempt>
```

```

    preempt
  </preempt>
  <master-router-uptime>
    master-router-uptime
  </master-router-uptime>
  <tracking>
    tracking
  </tracking>
  <interface-ads-sent>
    interface-ads-sent
  </interface-ads-sent>
  <interface-ads-received>
    interface-ads-received
  </interface-ads-received>
  <interface-bad-ttl-value-received>
    interface-bad-ttl-value-received
  </interface-bad-ttl-value-received>
  <interface-bad-version-received>
    interface-bad-version-received
  </interface-bad-version-received>
  <interface-bad-pdu-type-received>
    interface-bad-pdu-type-received
  </interface-bad-pdu-type-received>
  <interface-bad-checksum-received>
    interface-bad-checksum-received
  </interface-bad-checksum-received>
</llc2>
</llc2-redundancy-track-dlsw-peer>

```

## Description

### <llc2>

## Usage

```

<llc2-redundancy-track-dlsw-peer-list>
  <llc2-redundancy-track-dlsw-peer>
    <llc2>
      <interface>
        interface
      </interface>
      <track-peer>
        track-peer
      </track-peer>
      <track-destination>
        track-destination
      </track-destination>
      <track-interface>
        track-interface
      </track-interface>
    <unit>
      unit
    </unit>
  </group>
  group
</group>

```

```
<interface-state>
  interface-state
</interface-state>
<state>
  state
</state>
<track-interface-state>
  track-interface-state
</track-interface-state>
<track-interface-cost>
  track-interface-cost
</track-interface-cost>
<track-peer-state>
  track-peer-state
</track-peer-state>
<track-peer-cost>
  track-peer-cost
</track-peer-cost>
<track-destination-state>
  track-destination-state
</track-destination-state>
<track-destination-cost>
  track-destination-cost
</track-destination-cost>
<group-configured-priority>
  group-configured-priority
</group-configured-priority>
<group-run-priority>
  group-run-priority
</group-run-priority>
<local-mac>
  local-mac
</local-mac>
<remote-mac>
  remote-mac
</remote-mac>
<ifl-index>
  ifl-index
</ifl-index>
<advertise-interval>
  advertise-interval
</advertise-interval>
<advertise-timer>
  advertise-timer
</advertise-timer>
<preempt>
  preempt
</preempt>
<master-router-uptime>
  master-router-uptime
</master-router-uptime>
<tracking>
  tracking
</tracking>
<interface-ads-sent>
  interface-ads-sent
```

```

</interface-ads-sent>
<interface-ads-received>
  interface-ads-received
</interface-ads-received>
<interface-bad-ttl-value-received>
  interface-bad-ttl-value-received
</interface-bad-ttl-value-received>
<interface-bad-version-received>
  interface-bad-version-received
</interface-bad-version-received>
<interface-bad-pdu-type-received>
  interface-bad-pdu-type-received
</interface-bad-pdu-type-received>
<interface-bad-checksum-received>
  interface-bad-checksum-received
</interface-bad-checksum-received>
</llc2>
</llc2-redundancy-track-dlsw-peer>
</llc2-redundancy-track-dlsw-peer-list>

```

## Description

<llc2>

## Usage

```

<llc2-redundancy-track-dlsw-destination>
<llc2>
  <interface>
    interface
  </interface>
  <track-peer>
    track-peer
  </track-peer>
  <track-destination>
    track-destination
  </track-destination>
  <track-interface>
    track-interface
  </track-interface>
  <unit>
    unit
  </unit>
  <group>
    group
  </group>
  <interface-state>
    interface-state
  </interface-state>
  <state>
    state
  </state>
  <track-interface-state>
    track-interface-state
  </track-interface-state>
  <track-interface-cost>

```

```
    track-interface-cost
  </track-interface-cost>
  <track-peer-state>
    track-peer-state
  </track-peer-state>
  <track-peer-cost>
    track-peer-cost
  </track-peer-cost>
  <track-destination-state>
    track-destination-state
  </track-destination-state>
  <track-destination-cost>
    track-destination-cost
  </track-destination-cost>
  <group-configured-priority>
    group-configured-priority
  </group-configured-priority>
  <group-run-priority>
    group-run-priority
  </group-run-priority>
  <local-mac>
    local-mac
  </local-mac>
  <remote-mac>
    remote-mac
  </remote-mac>
  <ifl-index>
    ifl-index
  </ifl-index>
  <advertise-interval>
    advertise-interval
  </advertise-interval>
  <advertise-timer>
    advertise-timer
  </advertise-timer>
  <preempt>
    preempt
  </preempt>
  <master-router-uptime>
    master-router-uptime
  </master-router-uptime>
  <tracking>
    tracking
  </tracking>
  <interface-ads-sent>
    interface-ads-sent
  </interface-ads-sent>
  <interface-ads-received>
    interface-ads-received
  </interface-ads-received>
  <interface-bad-ttl-value-received>
    interface-bad-ttl-value-received
  </interface-bad-ttl-value-received>
  <interface-bad-version-received>
    interface-bad-version-received
  </interface-bad-version-received>
```

```

<interface-bad-pdu-type-received>
  interface-bad-pdu-type-received
</interface-bad-pdu-type-received>
<interface-bad-checksum-received>
  interface-bad-checksum-received
</interface-bad-checksum-received>
</llc2>
</llc2-redundancy-track-dlsw-destination>

```

## Description

### <llc2>

## Usage

```

<llc2-redundancy-track-dlsw-destination-list>
<llc2-redundancy-track-dlsw-destination>
  <llc2>
    <interface>
      interface
    </interface>
    <track-peer>
      track-peer
    </track-peer>
    <track-destination>
      track-destination
    </track-destination>
    <track-interface>
      track-interface
    </track-interface>
    <unit>
      unit
    </unit>
    <group>
      group
    </group>
    <interface-state>
      interface-state
    </interface-state>
    <state>
      state
    </state>
    <track-interface-state>
      track-interface-state
    </track-interface-state>
    <track-interface-cost>
      track-interface-cost
    </track-interface-cost>
    <track-peer-state>
      track-peer-state
    </track-peer-state>
    <track-peer-cost>
      track-peer-cost
    </track-peer-cost>
    <track-destination-state>
      track-destination-state

```

```
</track-destination-state>
<track-destination-cost>
  track-destination-cost
</track-destination-cost>
<group-configured-priority>
  group-configured-priority
</group-configured-priority>
<group-run-priority>
  group-run-priority
</group-run-priority>
<local-mac>
  local-mac
</local-mac>
<remote-mac>
  remote-mac
</remote-mac>
<ifl-index>
  ifl-index
</ifl-index>
<advertise-interval>
  advertise-interval
</advertise-interval>
<advertise-timer>
  advertise-timer
</advertise-timer>
<preempt>
  preempt
</preempt>
<master-router-uptime>
  master-router-uptime
</master-router-uptime>
<tracking>
  tracking
</tracking>
<interface-ads-sent>
  interface-ads-sent
</interface-ads-sent>
<interface-ads-received>
  interface-ads-received
</interface-ads-received>
<interface-bad-ttl-value-received>
  interface-bad-ttl-value-received
</interface-bad-ttl-value-received>
<interface-bad-version-received>
  interface-bad-version-received
</interface-bad-version-received>
<interface-bad-pdu-type-received>
  interface-bad-pdu-type-received
</interface-bad-pdu-type-received>
<interface-bad-checksum-received>
  interface-bad-checksum-received
</interface-bad-checksum-received>
</llc2>
</llc2-redundancy-track-dlsw-destination>
</llc2-redundancy-track-dlsw-destination-list>
```



## Description

&lt;llc2&gt;

## Usage

```

<llc2-redundancy-mac-translation>
<llc2>
  <interface>
    interface
  </interface>
  <track-peer>
    track-peer
  </track-peer>
  <track-destination>
    track-destination
  </track-destination>
  <track-interface>
    track-interface
  </track-interface>
  <unit>
    unit
  </unit>
  <group>
    group
  </group>
  <interface-state>
    interface-state
  </interface-state>
  <state>
    state
  </state>
  <track-interface-state>
    track-interface-state
  </track-interface-state>
  <track-interface-cost>
    track-interface-cost
  </track-interface-cost>
  <track-peer-state>
    track-peer-state
  </track-peer-state>
  <track-peer-cost>
    track-peer-cost
  </track-peer-cost>
  <track-destination-state>
    track-destination-state
  </track-destination-state>
  <track-destination-cost>
    track-destination-cost
  </track-destination-cost>
  <group-configured-priority>
    group-configured-priority
  </group-configured-priority>
  <group-run-priority>
    group-run-priority
  </group-run-priority>
  <local-mac>

```

```
    local-mac
  </local-mac>
  <remote-mac>
    remote-mac
  </remote-mac>
  <ifl-index>
    ifl-index
  </ifl-index>
  <advertise-interval>
    advertise-interval
  </advertise-interval>
  <advertise-timer>
    advertise-timer
  </advertise-timer>
  <preempt>
    preempt
  </preempt>
  <master-router-uptime>
    master-router-uptime
  </master-router-uptime>
  <tracking>
    tracking
  </tracking>
  <interface-ads-sent>
    interface-ads-sent
  </interface-ads-sent>
  <interface-ads-received>
    interface-ads-received
  </interface-ads-received>
  <interface-bad-ttl-value-received>
    interface-bad-ttl-value-received
  </interface-bad-ttl-value-received>
  <interface-bad-version-received>
    interface-bad-version-received
  </interface-bad-version-received>
  <interface-bad-pdu-type-received>
    interface-bad-pdu-type-received
  </interface-bad-pdu-type-received>
  <interface-bad-checksum-received>
    interface-bad-checksum-received
  </interface-bad-checksum-received>
</llc2>
</llc2-redundancy-mac-translation>
```

#### Description

<llc2>

#### Usage

```
<llc2-redundancy-mac-translation-list>
<llc2-redundancy-mac-translation>
  <llc2>
    <interface>
      interface
    </interface>
```

```
<track-peer>
  track-peer
</track-peer>
<track-destination>
  track-destination
</track-destination>
<track-interface>
  track-interface
</track-interface>
<unit>
  unit
</unit>
<group>
  group
</group>
<interface-state>
  interface-state
</interface-state>
<state>
  state
</state>
<track-interface-state>
  track-interface-state
</track-interface-state>
<track-interface-cost>
  track-interface-cost
</track-interface-cost>
<track-peer-state>
  track-peer-state
</track-peer-state>
<track-peer-cost>
  track-peer-cost
</track-peer-cost>
<track-destination-state>
  track-destination-state
</track-destination-state>
<track-destination-cost>
  track-destination-cost
</track-destination-cost>
<group-configured-priority>
  group-configured-priority
</group-configured-priority>
<group-run-priority>
  group-run-priority
</group-run-priority>
<local-mac>
  local-mac
</local-mac>
<remote-mac>
  remote-mac
</remote-mac>
<ifl-index>
  ifl-index
</ifl-index>
<advertise-interval>
  advertise-interval
```

```
</advertise-interval>
<advertise-timer>
  advertise-timer
</advertise-timer>
<preempt>
  preempt
</preempt>
<master-router-uptime>
  master-router-uptime
</master-router-uptime>
<tracking>
  tracking
</tracking>
<interface-ads-sent>
  interface-ads-sent
</interface-ads-sent>
<interface-ads-received>
  interface-ads-received
</interface-ads-received>
<interface-bad-ttl-value-received>
  interface-bad-ttl-value-received
</interface-bad-ttl-value-received>
<interface-bad-version-received>
  interface-bad-version-received
</interface-bad-version-received>
<interface-bad-pdu-type-received>
  interface-bad-pdu-type-received
</interface-bad-pdu-type-received>
<interface-bad-checksum-received>
  interface-bad-checksum-received
</interface-bad-checksum-received>
</llc2>
</llc2-redundancy-mac-translation>
</llc2-redundancy-mac-translation-list>
```

## Description

### <llc2>

## Usage

```
<llc2-redundancy>
<llc2>
  <interface>
    interface
  </interface>
  <track-peer>
    track-peer
  </track-peer>
  <track-destination>
    track-destination
  </track-destination>
  <track-interface>
    track-interface
  </track-interface>
</unit>
```

```
    unit
  </unit>
  <group>
    group
  </group>
  <interface-state>
    interface-state
  </interface-state>
  <state>
    state
  </state>
  <track-interface-state>
    track-interface-state
  </track-interface-state>
  <track-interface-cost>
    track-interface-cost
  </track-interface-cost>
  <track-peer-state>
    track-peer-state
  </track-peer-state>
  <track-peer-cost>
    track-peer-cost
  </track-peer-cost>
  <track-destination-state>
    track-destination-state
  </track-destination-state>
  <track-destination-cost>
    track-destination-cost
  </track-destination-cost>
  <group-configured-priority>
    group-configured-priority
  </group-configured-priority>
  <group-run-priority>
    group-run-priority
  </group-run-priority>
  <local-mac>
    local-mac
  </local-mac>
  <remote-mac>
    remote-mac
  </remote-mac>
  <ifl-index>
    ifl-index
  </ifl-index>
  <advertise-interval>
    advertise-interval
  </advertise-interval>
  <advertise-timer>
    advertise-timer
  </advertise-timer>
  <preempt>
    preempt
  </preempt>
  <master-router-uptime>
    master-router-uptime
  </master-router-uptime>
```

```
<tracking>
  tracking
</tracking>
<interface-ads-sent>
  interface-ads-sent
</interface-ads-sent>
<interface-ads-received>
  interface-ads-received
</interface-ads-received>
<interface-bad-ttl-value-received>
  interface-bad-ttl-value-received
</interface-bad-ttl-value-received>
<interface-bad-version-received>
  interface-bad-version-received
</interface-bad-version-received>
<interface-bad-pdu-type-received>
  interface-bad-pdu-type-received
</interface-bad-pdu-type-received>
<interface-bad-checksum-received>
  interface-bad-checksum-received
</interface-bad-checksum-received>
</llc2>
</llc2-redundancy>
```

## Description

<llc2>

## Usage

```
<llc2-redundancy-list>
<llc2-redundancy>
  <llc2>
    <interface>
      interface
    </interface>
    <track-peer>
      track-peer
    </track-peer>
    <track-destination>
      track-destination
    </track-destination>
    <track-interface>
      track-interface
    </track-interface>
    <unit>
      unit
    </unit>
    <group>
      group
    </group>
    <interface-state>
      interface-state
    </interface-state>
    <state>
      state
```

```
</state>
<track-interface-state>
  track-interface-state
</track-interface-state>
<track-interface-cost>
  track-interface-cost
</track-interface-cost>
<track-peer-state>
  track-peer-state
</track-peer-state>
<track-peer-cost>
  track-peer-cost
</track-peer-cost>
<track-destination-state>
  track-destination-state
</track-destination-state>
<track-destination-cost>
  track-destination-cost
</track-destination-cost>
<group-configured-priority>
  group-configured-priority
</group-configured-priority>
<group-run-priority>
  group-run-priority
</group-run-priority>
<local-mac>
  local-mac
</local-mac>
<remote-mac>
  remote-mac
</remote-mac>
<ifl-index>
  ifl-index
</ifl-index>
<advertise-interval>
  advertise-interval
</advertise-interval>
<advertise-timer>
  advertise-timer
</advertise-timer>
<preempt>
  preempt
</preempt>
<master-router-uptime>
  master-router-uptime
</master-router-uptime>
<tracking>
  tracking
</tracking>
<interface-ads-sent>
  interface-ads-sent
</interface-ads-sent>
<interface-ads-received>
  interface-ads-received
</interface-ads-received>
<interface-bad-ttl-value-received>
```

```
        interface-bad-ttl-value-received
      </interface-bad-ttl-value-received>
    <interface-bad-version-received>
      interface-bad-version-received
    </interface-bad-version-received>
    <interface-bad-pdu-type-received>
      interface-bad-pdu-type-received
    </interface-bad-pdu-type-received>
    <interface-bad-checksum-received>
      interface-bad-checksum-received
    </interface-bad-checksum-received>
  </llc2>
</llc2-redundancy>
</llc2-redundancy-list>
```

## Description

<llc2>

## Usage

```
<llc2-redundancy-interface-statistics>
<llc2>
  <interface>
    interface
  </interface>
  <track-peer>
    track-peer
  </track-peer>
  <track-destination>
    track-destination
  </track-destination>
  <track-interface>
    track-interface
  </track-interface>
  <unit>
    unit
  </unit>
  <group>
    group
  </group>
  <interface-state>
    interface-state
  </interface-state>
  <state>
    state
  </state>
  <track-interface-state>
    track-interface-state
  </track-interface-state>
  <track-interface-cost>
    track-interface-cost
  </track-interface-cost>
  <track-peer-state>
    track-peer-state
  </track-peer-state>
```



```
<track-peer-cost>
  track-peer-cost
</track-peer-cost>
<track-destination-state>
  track-destination-state
</track-destination-state>
<track-destination-cost>
  track-destination-cost
</track-destination-cost>
<group-configured-priority>
  group-configured-priority
</group-configured-priority>
<group-run-priority>
  group-run-priority
</group-run-priority>
<local-mac>
  local-mac
</local-mac>
<remote-mac>
  remote-mac
</remote-mac>
<ifl-index>
  ifl-index
</ifl-index>
<advertise-interval>
  advertise-interval
</advertise-interval>
<advertise-timer>
  advertise-timer
</advertise-timer>
<preempt>
  preempt
</preempt>
<master-router-uptime>
  master-router-uptime
</master-router-uptime>
<tracking>
  tracking
</tracking>
<interface-ads-sent>
  interface-ads-sent
</interface-ads-sent>
<interface-ads-received>
  interface-ads-received
</interface-ads-received>
<interface-bad-ttl-value-received>
  interface-bad-ttl-value-received
</interface-bad-ttl-value-received>
<interface-bad-version-received>
  interface-bad-version-received
</interface-bad-version-received>
<interface-bad-pdu-type-received>
  interface-bad-pdu-type-received
</interface-bad-pdu-type-received>
<interface-bad-checksum-received>
  interface-bad-checksum-received
```

```
</interface-bad-checksum-received>  
</llc2>  
</llc2-redundancy-interface-statistics>
```

## Description

<llc2>

## Usage

```
<llc2-redundancy-interface-statistics-list>  
<llc2-redundancy-interface-statistics>  
  <llc2>  
    <interface>  
      interface  
    </interface>  
    <track-peer>  
      track-peer  
    </track-peer>  
    <track-destination>  
      track-destination  
    </track-destination>  
    <track-interface>  
      track-interface  
    </track-interface>  
    <unit>  
      unit  
    </unit>  
    <group>  
      group  
    </group>  
    <interface-state>  
      interface-state  
    </interface-state>  
    <state>  
      state  
    </state>  
    <track-interface-state>  
      track-interface-state  
    </track-interface-state>  
    <track-interface-cost>  
      track-interface-cost  
    </track-interface-cost>  
    <track-peer-state>  
      track-peer-state  
    </track-peer-state>  
    <track-peer-cost>  
      track-peer-cost  
    </track-peer-cost>  
    <track-destination-state>  
      track-destination-state  
    </track-destination-state>  
    <track-destination-cost>  
      track-destination-cost  
    </track-destination-cost>  
    <group-configured-priority>
```

```

    group-configured-priority
  </group-configured-priority>
  <group-run-priority>
    group-run-priority
  </group-run-priority>
  <local-mac>
    local-mac
  </local-mac>
  <remote-mac>
    remote-mac
  </remote-mac>
  <ifl-index>
    ifl-index
  </ifl-index>
  <advertise-interval>
    advertise-interval
  </advertise-interval>
  <advertise-timer>
    advertise-timer
  </advertise-timer>
  <preempt>
    preempt
  </preempt>
  <master-router-uptime>
    master-router-uptime
  </master-router-uptime>
  <tracking>
    tracking
  </tracking>
  <interface-ads-sent>
    interface-ads-sent
  </interface-ads-sent>
  <interface-ads-received>
    interface-ads-received
  </interface-ads-received>
  <interface-bad-ttl-value-received>
    interface-bad-ttl-value-received
  </interface-bad-ttl-value-received>
  <interface-bad-version-received>
    interface-bad-version-received
  </interface-bad-version-received>
  <interface-bad-pdu-type-received>
    interface-bad-pdu-type-received
  </interface-bad-pdu-type-received>
  <interface-bad-checksum-received>
    interface-bad-checksum-received
  </interface-bad-checksum-received>
</llc2>
</llc2-redundancy-interface-statistics>
</llc2-redundancy-interface-statistics-list>

```

## Description

## <llc2-redundancy>

### Usage

```
<llc2-redundancy>  
<llc2>....</llc2>  
</llc2-redundancy>
```

### Description

## <llc2-redundancy>

### Usage

```
<llc2-redundancy-list>  
<llc2-redundancy>  
<llc2>....</llc2>  
</llc2-redundancy>  
</llc2-redundancy-list>
```

### Description

## <llc2-redundancy-interface-statistics>

### Usage

```
<llc2-redundancy-interface-statistics>  
<llc2>....</llc2>  
</llc2-redundancy-interface-statistics>
```

### Description

## <llc2-redundancy-interface-statistics>

### Usage

```
<llc2-redundancy-interface-statistics-list>  
<llc2-redundancy-interface-statistics>  
<llc2>....</llc2>  
</llc2-redundancy-interface-statistics>  
</llc2-redundancy-interface-statistics-list>
```

### Description

## <llc2-redundancy-interface-statistics-list>

### Usage

```
<llc2-redundancy-interface-statistics-list>  
<llc2-redundancy-interface-statistics>....</llc2-redundancy-interface-statistics>  
  
</llc2-redundancy-interface-statistics-list>
```

### Description

### <llc2-redundancy-list>

#### Usage

```
<llc2-redundancy-list>  
<llc2-redundancy>....</llc2-redundancy>  
</llc2-redundancy-list>
```

#### Description

### <llc2-redundancy-mac-translation>

#### Usage

```
<llc2-redundancy-mac-translation>  
<llc2>....</llc2>  
</llc2-redundancy-mac-translation>
```

#### Description

### <llc2-redundancy-mac-translation-list>

#### Usage

```
<llc2-redundancy-mac-translation-list>  
<llc2-redundancy-mac-translation>  
<llc2>....</llc2>  
</llc2-redundancy-mac-translation>  
</llc2-redundancy-mac-translation-list>
```

#### Description

### <llc2-redundancy-mac-translation-list>

#### Usage

```
<llc2-redundancy-mac-translation-list>  
<llc2-redundancy-mac-translation>....</llc2-redundancy-mac-translation>  
</llc2-redundancy-mac-translation-list>
```

#### Description

### <llc2-redundancy-track-dlsw-destination>

#### Usage

```
<llc2-redundancy-track-dlsw-destination>  
<llc2>....</llc2>  
</llc2-redundancy-track-dlsw-destination>
```

#### Description

### <llc2-redundancy-track-dlsw-destination-list>

#### Usage

```
<llc2-redundancy-track-dlsw-destination-list>
```

```
<llc2-redundancy-track-dlsw-destination>  
  <llc2>....</llc2>  
</llc2-redundancy-track-dlsw-destination>  
</llc2-redundancy-track-dlsw-destination-list>
```

#### Description

### <llc2-redundancy-track-dlsw-destination-list>

#### Usage

```
<llc2-redundancy-track-dlsw-destination-list>  
  
<llc2-redundancy-track-dlsw-destination>....</llc2-redundancy-track-dlsw-destination>  
  
</llc2-redundancy-track-dlsw-destination-list>
```

#### Description

### <llc2-redundancy-track-dlsw-peer>

#### Usage

```
<llc2-redundancy-track-dlsw-peer>  
  <llc2>....</llc2>  
</llc2-redundancy-track-dlsw-peer>
```

#### Description

### <llc2-redundancy-track-dlsw-peer>

#### Usage

```
<llc2-redundancy-track-dlsw-peer-list>  
  <llc2-redundancy-track-dlsw-peer>  
    <llc2>....</llc2>  
  </llc2-redundancy-track-dlsw-peer>  
</llc2-redundancy-track-dlsw-peer-list>
```

#### Description

### <llc2-redundancy-track-dlsw-peer-list>

#### Usage

```
<llc2-redundancy-track-dlsw-peer-list>  
  <llc2-redundancy-track-dlsw-peer>....</llc2-redundancy-track-dlsw-peer>  
</llc2-redundancy-track-dlsw-peer-list>
```

#### Description

### <llc2-redundancy-track-interface>

#### Usage

```
<llc2-redundancy-track-interface>
```

```
<llc2>....</llc2>
</llc2-redundancy-track-interface>
```

#### Description

### <llc2-redundancy-track-interface>

#### Usage

```
<llc2-redundancy-track-interface-list>
<llc2-redundancy-track-interface>
  <llc2>....</llc2>
</llc2-redundancy-track-interface>
</llc2-redundancy-track-interface-list>
```

#### Description

### <llc2-redundancy-track-interface-list>

#### Usage

```
<llc2-redundancy-track-interface-list>
  <llc2-redundancy-track-interface>....</llc2-redundancy-track-interface>
</llc2-redundancy-track-interface-list>
```

#### Description

### <version-string-multi>

#### Usage

```
<dlsw-capabilities>
  <version-string-multi>
</version-string-multi>
</dlsw-capabilities>
```

#### Description

### <version-string-multi>

#### Usage

```
<dlsw-capabilities-list>
  <dlsw-capabilities>
    <version-string-multi>
  </version-string-multi>
  </dlsw-capabilities>
</dlsw-capabilities-list>
```

#### Description

## Summary of 802.1X Process Response Tags

---

### <authentication-whitelist-information>

#### Usage

```
<authentication-whitelist-information>
  <authentication-whitelist-mac>....</authentication-whitelist-mac>

  <authentication-whitelist-mac-bypassed-users>....</authentication-whitelist-mac-bypassed-users>

</authentication-whitelist-information>
```

#### Description

### <authentication-whitelist-mac>

#### Usage

```
<authentication-whitelist-information>
  <authentication-whitelist-mac>
    <authentication-whitelist-mac-address>
      authentication-whitelist-mac-address
    </authentication-whitelist-mac-address>
    <authentication-whitelist-mac-prefix>
      authentication-whitelist-mac-prefix
    </authentication-whitelist-mac-prefix>
    <authentication-whitelist-mac-vlan-assignment>
      authentication-whitelist-mac-vlan-assignment
    </authentication-whitelist-mac-vlan-assignment>
    <authentication-whitelist-mac-interface>
      authentication-whitelist-mac-interface
    </authentication-whitelist-mac-interface>
  </authentication-whitelist-mac>
</authentication-whitelist-information>
```

**Description** Information about configured white-list MAC addresses

### <authentication-whitelist-mac-bypassed-users>

#### Usage

```
<authentication-whitelist-information>
  <authentication-whitelist-mac-bypassed-users>
    <authentication-whitelist-mac-bypass>
      authentication-whitelist-mac-bypass
    </authentication-whitelist-mac-bypass>
    <authentication-whitelist-mac-bypass-vlan>
      authentication-whitelist-mac-bypass-vlan
    </authentication-whitelist-mac-bypass-vlan>
    <authentication-whitelist-mac-bypass-interface>
      authentication-whitelist-mac-bypass-interface
    </authentication-whitelist-mac-bypass-interface>
  </authentication-whitelist-mac-bypassed-users>
```



```
</authentication-whitelist-information>
```

**Description** List of users who bypassed authentication

## <cp-interface>

### Usage

```
<cp-interface-information>
  <cp-interface>
    <cp-interface-name>
      cp-interface-name
    </cp-interface-name>
    <cp-user-name>
      cp-user-name
    </cp-user-name>
    <cp-user-mac-address>
      cp-user-mac-address
    </cp-user-mac-address>
    <cp-state>
      cp-state
    </cp-state>
    <cp-administrative-mode>
      cp-administrative-mode
    </cp-administrative-mode>
    <cp-number-of-retries>
      cp-number-of-retries
    </cp-number-of-retries>
    <cp-quiet-period>
      cp-quiet-period
    </cp-quiet-period>
    <cp-configured-session-lifespan>
      cp-configured-session-lifespan
    </cp-configured-session-lifespan>
    <cp-server-timeout>
      cp-server-timeout
    </cp-server-timeout>
    <cp-number-of-connected-suplicants>
      cp-number-of-connected-suplicants
    </cp-number-of-connected-suplicants>
    <cp-supPLICANT-list>....</cp-supPLICANT-list>
  </cp-interface>
</cp-interface-information>
```

### Description

## <cp-interface-information>

### Usage

```
<cp-interface-information>
  <cp-interface>....</cp-interface>
</cp-interface-information>
```

**Description****<cp-supPLICant>****Usage**

```
<cp-interface-information>
  <cp-interface>
    <cp-supPLICant-list>
      <cp-supPLICant>
        <cp-supPLICant-name>
          cp-supPLICant-name
        </cp-supPLICant-name>
        <cp-supPLICant-mac-address>
          cp-supPLICant-mac-address
        </cp-supPLICant-mac-address>
        <cp-supPLICant-state>
          cp-supPLICant-state
        </cp-supPLICant-state>
        <cp-dynamic-filter>
          cp-dynamic-filter
        </cp-dynamic-filter>
        <cp-dynamic-session-lifespan>
          cp-dynamic-session-lifespan
        </cp-dynamic-session-lifespan>
        <cp-session-expiration-time>
          cp-session-expiration-time
        </cp-session-expiration-time>
      </cp-supPLICant>
    </cp-supPLICant-list>
  </cp-interface>
</cp-interface-information>
```

**Description****<cp-supPLICant-list>****Usage**

```
<cp-interface-information>
  <cp-interface>
    <cp-supPLICant-list>
      <cp-supPLICant>....</cp-supPLICant>
    </cp-supPLICant-list>
  </cp-interface>
</cp-interface-information>
```

**Description****<dot1x-authentication-failed-users>****Usage**

```
<dot1x-interface-information>
  <dot1x-authentication-failed-users>
    <authentication-failed-interface>
      authentication-failed-interface
    </authentication-failed-interface>
  </dot1x-authentication-failed-users>
</dot1x-interface-information>
```

```

</authentication-failed-interface>
<authentication-failed-mac-addr>
  authentication-failed-mac-addr
</authentication-failed-mac-addr>
<authentication-failed-user>
  authentication-failed-user
</authentication-failed-user>
<authentication-failed-count>
  authentication-failed-count
</authentication-failed-count>
</dot1x-authentication-failed-users>
</dot1x-interface-information>

```

**Description** List of users who failed authentication

### <dot1x-firewall-interface>

#### Usage

```

<dot1x-interface-information>
  <dot1x-firewall-interface>
    <filter-name>
      filter-name
    </filter-name>
    <counter-name>
      counter-name
    </counter-name>
    <policer-name>
      policer-name
    </policer-name>
    <bytes>
      bytes
    </bytes>
    <packets>
      packets
    </packets>
    <packet-count>
      packet-count
    </packet-count>
  </dot1x-firewall-interface>
</dot1x-interface-information>

```

**Description**

### <dot1x-interface-information>

#### Usage

```

<dot1x-interface-information>
  <interface>....</interface>
  <dot1x-static-mac-address>....</dot1x-static-mac-address>
  <dot1x-authentication-failed-users>....</dot1x-authentication-failed-users>
  <dot1x-interface-statistics>....</dot1x-interface-statistics>
  <dot1x-staticmac-bypassed-users>....</dot1x-staticmac-bypassed-users>
  <dot1x-firewall-interface>....</dot1x-firewall-interface>

```

</dot1x-interface-information>

## Description

<dot1x-interface-statistics>

## Usage

```
<dot1x-interface-information>
  <dot1x-interface-statistics>
    <eapol-interface-name>
      eapol-interface-name
    </eapol-interface-name>
    <eapol-total-received-frames>
      eapol-total-received-frames
    </eapol-total-received-frames>
    <eapol-start-frames>
      eapol-start-frames
    </eapol-start-frames>
    <eapol-logout-frames>
      eapol-logout-frames
    </eapol-logout-frames>
    <eapol-response-id-frames>
      eapol-response-id-frames
    </eapol-response-id-frames>
    <eapol-response-frames>
      eapol-response-frames
    </eapol-response-frames>
    <eapol-invalid-frames>
      eapol-invalid-frames
    </eapol-invalid-frames>
    <eapol-length-error-frames>
      eapol-length-error-frames
    </eapol-length-error-frames>
    <eapol-lastframe-version>
      eapol-lastframe-version
    </eapol-lastframe-version>
    <eapol-lastframe-macaddress>
      eapol-lastframe-macaddress
    </eapol-lastframe-macaddress>
    <eapol-total-transmitted-packets>
      eapol-total-transmitted-packets
    </eapol-total-transmitted-packets>
    <eapol-request-id-frames>
      eapol-request-id-frames
    </eapol-request-id-frames>
    <eapol-request-frames>
      eapol-request-frames
    </eapol-request-frames>
  </dot1x-interface-statistics>
</dot1x-interface-information>
```

**Description**    Display interface statistics

**<dot1x-static-mac-address>****Usage**

```

<dot1x-interface-information>
  <dot1x-static-mac-address>
    <static-mac-address>
      static-mac-address
    </static-mac-address>
    <static-mac-prefix>
      static-mac-prefix
    </static-mac-prefix>
    <static-mac-vlan-assignment>
      static-mac-vlan-assignment
    </static-mac-vlan-assignment>
    <static-mac-interface>
      static-mac-interface
    </static-mac-interface>
  </dot1x-static-mac-address>
</dot1x-interface-information>

```

**Description** Information about configured static MAC addresses

**<dot1x-staticmac-bypassed-users>****Usage**

```

<dot1x-interface-information>
  <dot1x-staticmac-bypassed-users>
    <static-mac-bypass>
      static-mac-bypass
    </static-mac-bypass>
    <static-mac-bypass-vlan>
      static-mac-bypass-vlan
    </static-mac-bypass-vlan>
    <static-mac-bypass-interface>
      static-mac-bypass-interface
    </static-mac-bypass-interface>
  </dot1x-staticmac-bypassed-users>
</dot1x-interface-information>

```

**Description** List of users who bypassed authentication

**<interface>****Usage**

```

<dot1x-interface-information>
  <interface>
    <interface-name>
      interface-name
    </interface-name>
    <user-name>
      user-name
    </user-name>
  </interface>
</dot1x-interface-information>

```

```
<user-mac-address>
  user-mac-address
</user-mac-address>
<role>
  role
</role>
<state>
  state
</state>
<administrative-state>
  administrative-state
</administrative-state>
<administrative-mode>
  administrative-mode
</administrative-mode>
<number-of-retries>
  number-of-retries
</number-of-retries>
<quiet-period>
  quiet-period
</quiet-period>
<transmit-period>
  transmit-period
</transmit-period>
<mac-radius>
  mac-radius
</mac-radius>
<mac-radius-strict>
  mac-radius-strict
</mac-radius-strict>
<reauthentication>
  reauthentication
</reauthentication>
<reauthentication-interval>
  reauthentication-interval
</reauthentication-interval>
<supplicant-timeout>
  supplicant-timeout
</supplicant-timeout>
<server-timeout>
  server-timeout
</server-timeout>
<max-eapol-request>
  max-eapol-request
</max-eapol-request>
<frame-control>
  frame-control
</frame-control>
<guest-vlan>
  guest-vlan
</guest-vlan>
<number-of-connected-supplicants>
  number-of-connected-supplicants
</number-of-connected-supplicants>
<supplicant-list>....</supplicant-list>
</interface>
```

```
</dot1x-interface-information>
```

## Description

### <supplicant>

#### Usage

```
<dot1x-interface-information>
<interface>
  <supplicant-list>
    <supplicant>
      <supplicant-name>
        supplicant-name
      </supplicant-name>
      <supplicant-mac-address>
        supplicant-mac-address
      </supplicant-mac-address>
      <supplicant-state>
        supplicant-state
      </supplicant-state>
      <backend-administrative-state>
        backend-administrative-state
      </backend-administrative-state>
      <authentication-method>
        authentication-method
      </authentication-method>
      <vlan>
        vlan
      </vlan>
      <dynamic-filter>
        dynamic-filter
      </dynamic-filter>
      <session-reauthentication-interval>
        session-reauthentication-interval
      </session-reauthentication-interval>
      <reauthentication-due>
        reauthentication-due
      </reauthentication-due>
    </supplicant>
  </supplicant-list>
</interface>
</dot1x-interface-information>
```

## Description

### <supplicant-list>

#### Usage

```
<dot1x-interface-information>
<interface>
  <supplicant-list>
    <supplicant>....</supplicant>
  </supplicant-list>
</interface>
```

</dot1x-interface-information>

#### Description

<task>

#### Usage

```
<task-timer-information>
  <task>
    <task-name>
      task-name
    </task-name>
    <task-timer-priority>....</task-timer-priority>
    <task-timer-summary>....</task-timer-summary>
    <task-timer>....</task-timer>
  </task>
</task-timer-information>
```

#### Description

<task-account-information>

#### Usage

```
<task-accounting-information>
  <task-account-information>
  </task-account-information>
</task-accounting-information>
```

#### Description

<task-account-status>

#### Usage

```
<task-accounting-information>
  <task-account-status>
  </task-account-status>
</task-accounting-information>
```

#### Description

<task-accounting-information>

#### Usage

```
<task-accounting-information>
  <task-acc-task-name>
    task-acc-task-name
  </task-acc-task-name>
  <task-acc-status>
    task-acc-status
  </task-acc-status>
  <task-acc-task-started>
    task-acc-task-started
```



```

</task-acc-task-started>
<task-acc-task-user-time>
  task-acc-task-user-time
</task-acc-task-user-time>
<task-acc-task-system-time>
  task-acc-task-system-time
</task-acc-task-system-time>
<task-acc-task-longest-run>
  task-acc-task-longest-run
</task-acc-task-longest-run>
<task-account-status>....</task-account-status>
<task-account-information>....</task-account-information>
</task-accounting-information>

```

## Description

### <task-block>

#### Usage

```

<task-block-list>
<task-block>
  <tb-name>
    tb-name
  </tb-name>
  <tb-size>
    tb-size
  </tb-size>
  <tb-alloc-size>
    tb-alloc-size
  </tb-alloc-size>
  <tb-terse-transient>
    tb-terse-transient
  </tb-terse-transient>
  <tb-terse-fullpage>
    tb-terse-fullpage
  </tb-terse-fullpage>
  <tb-terse-debug>
    tb-terse-debug
  </tb-terse-debug>
  <tb-alloc-blocks>
    tb-alloc-blocks
  </tb-alloc-blocks>
  <tb-alloc-bytes>
    tb-alloc-bytes
  </tb-alloc-bytes>
  <tb-max-alloc-blocks>
    tb-max-alloc-blocks
  </tb-max-alloc-blocks>
  <tb-max-alloc-bytes>
    tb-max-alloc-bytes
  </tb-max-alloc-bytes>
</task-block>
</task-block-list>

```

**Description****<task-block>****Usage**

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>
      <task-block>
        <tb-name>
          tb-name
        </tb-name>
        <tb-size>
          tb-size
        </tb-size>
        <tb-alloc-size>
          tb-alloc-size
        </tb-alloc-size>
        <tb-terse-transient>
          tb-terse-transient
        </tb-terse-transient>
        <tb-terse-fullpage>
          tb-terse-fullpage
        </tb-terse-fullpage>
        <tb-terse-debug>
          tb-terse-debug
        </tb-terse-debug>
        <tb-alloc-blocks>
          tb-alloc-blocks
        </tb-alloc-blocks>
        <tb-alloc-bytes>
          tb-alloc-bytes
        </tb-alloc-bytes>
        <tb-max-alloc-blocks>
          tb-max-alloc-blocks
        </tb-max-alloc-blocks>
        <tb-max-alloc-bytes>
          tb-max-alloc-bytes
        </tb-max-alloc-bytes>
      </task-block>
    </task-block-list>
  </task-memory-allocator-report>
</task-memory-information>
```

**Description****<task-block-list>****Usage**

```
<task-block-list>
  <task-block>....</task-block>
</task-block-list>
```

**Description**

## <task-block-list>

### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>
      <task-block>.....</task-block>
    </task-block-list>
  </task-memory-allocator-report>
</task-memory-information>
```

### Description

## <task-io-information>

### Usage

```
<task-io-information>
  <task-io-task-name>
    task-io-task-name
  </task-io-task-name>
  <task-io-read>
    task-io-read
  </task-io-read>
  <task-io-write>
    task-io-write
  </task-io-write>
  <task-io-received>
    task-io-received
  </task-io-received>
  <task-io-sent>
    task-io-sent
  </task-io-sent>
  <task-io-dropped>
    task-io-dropped
  </task-io-dropped>
</task-io-information>
```

### Description

## <task-jobs-background>

### Usage

```
<task-jobs-information>
  <task-jobs-background>
  </task-jobs-background>
</task-jobs-information>
```

### Description

## <task-jobs-foreground>

### Usage

```
<task-jobs-information>  
  <task-jobs-foreground>  
</task-jobs-foreground>  
</task-jobs-information>
```

### Description

## <task-jobs-information>

### Usage

```
<task-jobs-information>  
  <task-jobs-fg-priority>  
    task-jobs-fg-priority  
  </task-jobs-fg-priority>  
  <task-jobs-fg-task-name>  
    task-jobs-fg-task-name  
  </task-jobs-fg-task-name>  
  <task-jobs-fg-wait>  
    task-jobs-fg-wait  
  </task-jobs-fg-wait>  
  <task-jobs-fg-flags>  
    task-jobs-fg-flags  
  </task-jobs-fg-flags>  
  <task-jobs-bg-priority>  
    task-jobs-bg-priority  
  </task-jobs-bg-priority>  
  <task-jobs-bg-task-name>  
    task-jobs-bg-task-name  
  </task-jobs-bg-task-name>  
  <task-jobs-bg-misses>  
    task-jobs-bg-misses  
  </task-jobs-bg-misses>  
  <task-jobs-bg-runs>  
    task-jobs-bg-runs  
  </task-jobs-bg-runs>  
  <task-jobs-bg-wait>  
    task-jobs-bg-wait  
  </task-jobs-bg-wait>  
  <task-jobs-bg-flags>  
    task-jobs-bg-flags  
  </task-jobs-bg-flags>  
  <task-jobs-foreground>....</task-jobs-foreground>  
  <task-jobs-background>....</task-jobs-background>  
</task-jobs-information>
```

### Description

**<task-lite-page>****Usage**

```

<task-lite-page-list>
  <task-lite-page>
    <tlp-name>
      tlp-name
    </tlp-name>
    <tlp-alloc-pages>
      tlp-alloc-pages
    </tlp-alloc-pages>
    <tlp-alloc-bytes>
      tlp-alloc-bytes
    </tlp-alloc-bytes>
    <tlp-max-alloc-pages>
      tlp-max-alloc-pages
    </tlp-max-alloc-pages>
    <tlp-max-alloc-bytes>
      tlp-max-alloc-bytes
    </tlp-max-alloc-bytes>
  </task-lite-page>
</task-lite-page-list>

```

**Description****<task-lite-page>****Usage**

```

<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>
        <tlp-name>
          tlp-name
        </tlp-name>
        <tlp-alloc-pages>
          tlp-alloc-pages
        </tlp-alloc-pages>
        <tlp-alloc-bytes>
          tlp-alloc-bytes
        </tlp-alloc-bytes>
        <tlp-max-alloc-pages>
          tlp-max-alloc-pages
        </tlp-max-alloc-pages>
        <tlp-max-alloc-bytes>
          tlp-max-alloc-bytes
        </tlp-max-alloc-bytes>
      </task-lite-page>
    </task-lite-page-list>
  </task-memory-allocator-report>
</task-memory-information>

```

**Description**

## <task-lite-page-list>

### Usage

```
<task-lite-page-list>
  <task-lite-page>....</task-lite-page>
</task-lite-page-list>
```

### Description

## <task-lite-page-list>

### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>....</task-lite-page>
    </task-lite-page-list>
  </task-memory-allocator-report>
</task-memory-information>
```

### Description

## <task-malloc>

### Usage

```
<task-malloc-list>
  <task-malloc>
    <tm-name>
      tm-name
    </tm-name>
    <tm-allocs>
      tm-allocs
    </tm-allocs>
    <tm-alloc-bytes>
      tm-alloc-bytes
    </tm-alloc-bytes>
    <tm-max-allocs>
      tm-max-allocs
    </tm-max-allocs>
    <tm-max-alloc-bytes>
      tm-max-alloc-bytes
    </tm-max-alloc-bytes>
    <tm-function-calls>
      tm-function-calls
    </tm-function-calls>
  </task-malloc>
</task-malloc-list>
```

### Description

**<task-malloc>****Usage**

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>
        <tm-name>
          tm-name
        </tm-name>
        <tm-allocs>
          tm-allocs
        </tm-allocs>
        <tm-alloc-bytes>
          tm-alloc-bytes
        </tm-alloc-bytes>
        <tm-max-allocs>
          tm-max-allocs
        </tm-max-allocs>
        <tm-max-alloc-bytes>
          tm-max-alloc-bytes
        </tm-max-alloc-bytes>
        <tm-function-calls>
          tm-function-calls
        </tm-function-calls>
      </task-malloc>
    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

**Description****<task-malloc-list>****Usage**

```

<task-malloc-list>
  <task-malloc>....</task-malloc>
</task-malloc-list>

```

**Description****<task-malloc-list>****Usage**

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>....</task-malloc>
    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

## Description

### <task-memory-allocator-report>

#### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>....</task-block-list>
    <task-lite-page-list>....</task-lite-page-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-allocator-report>
</task-memory-information>
```

## Description

### <task-memory-information>

#### Usage

```
<task-memory-information>
  <task-memory-in-use-size>
    task-memory-in-use-size
  </task-memory-in-use-size>
  <task-memory-in-use-avail>
    task-memory-in-use-avail
  </task-memory-in-use-avail>
  <task-memory-max-size>
    task-memory-max-size
  </task-memory-max-size>
  <task-memory-max-avail>
    task-memory-max-avail
  </task-memory-max-avail>
  <task-memory-max-when>
    task-memory-max-when
  </task-memory-max-when>
  <task-memory-free-size>
    task-memory-free-size
  </task-memory-free-size>
  <task-memory-overall-report>....</task-memory-overall-report>
  <task-memory-allocator-report>....</task-memory-allocator-report>
  <task-memory-malloc-usage-report>....</task-memory-malloc-usage-report>
  <task-memory-dynamic-allocs>
    task-memory-dynamic-allocs
  </task-memory-dynamic-allocs>
  <task-memory-max-dynamic-allocs>
    task-memory-max-dynamic-allocs
  </task-memory-max-dynamic-allocs>
  <task-memory-bss-bytes>
    task-memory-bss-bytes
  </task-memory-bss-bytes>
  <task-memory-max-bss-bytes>
```



```

    task-memory-max-bss-bytes
  </task-memory-max-bss-bytes>
  <task-memory-page-data-bytes>
    task-memory-page-data-bytes
  </task-memory-page-data-bytes>
  <task-memory-max-page-data-bytes>
    task-memory-max-page-data-bytes
  </task-memory-max-page-data-bytes>
  <task-memory-dir-bytes>
    task-memory-dir-bytes
  </task-memory-dir-bytes>
  <task-memory-max-dir-bytes>
    task-memory-max-dir-bytes
  </task-memory-max-dir-bytes>
  <task-memory-total-bytes-in-use>
    task-memory-total-bytes-in-use
  </task-memory-total-bytes-in-use>
  <task-memory-total-bytes-percent>
    task-memory-total-bytes-percent
  </task-memory-total-bytes-percent>
</task-memory-information>

```

#### Description

### <task-memory-malloc-usage-report>

#### Usage

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>....</task-malloc-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

#### Description

### <task-memory-overall-report>

#### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>....</task-size-block-list>
    <task-memory-stats-list>....</task-memory-stats-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-overall-report>
</task-memory-information>

```

```
<task-memory-total-free-bytes>
  task-memory-total-free-bytes
</task-memory-total-free-bytes>
</task-memory-overall-report>
</task-memory-information>
```

#### Description

### <task-memory-stats>

#### Usage

```
<task-memory-stats>
  <tms-name>
    tms-name
  </tms-name>
  <tms-allocs>
    tms-allocs
  </tms-allocs>
  <tms-mallocs>
    tms-mallocs
  </tms-mallocs>
  <tms-alloc-bytes>
    tms-alloc-bytes
  </tms-alloc-bytes>
  <tms-max-allocs>
    tms-max-allocs
  </tms-max-allocs>
  <tms-max-bytes>
    tms-max-bytes
  </tms-max-bytes>
  <tms-free-bytes>
    tms-free-bytes
  </tms-free-bytes>
</task-memory-stats>
```

#### Description

### <task-memory-stats>

#### Usage

```
<task-memory-information>
  <task-memory-overall-report>
    <task-memory-stats-list>
      <task-memory-stats>
        <tms-name>
          tms-name
        </tms-name>
        <tms-allocs>
          tms-allocs
        </tms-allocs>
        <tms-mallocs>
          tms-mallocs
        </tms-mallocs>
        <tms-alloc-bytes>
```

```

        tms-alloc-bytes
      </tms-alloc-bytes>
      <tms-max-allocs>
        tms-max-allocs
      </tms-max-allocs>
      <tms-max-bytes>
        tms-max-bytes
      </tms-max-bytes>
      <tms-free-bytes>
        tms-free-bytes
      </tms-free-bytes>
    </task-memory-stats>
  </task-memory-stats-list>
</task-memory-overall-report>
</task-memory-information>

```

**Description****<task-memory-stats-list>****Usage**

```

<task-memory-information>
  <task-memory-overall-report>
    <task-memory-stats-list>
      <task-memory-stats>....</task-memory-stats>
    </task-memory-stats-list>
  </task-memory-overall-report>
</task-memory-information>

```

**Description****<task-replication-state>****Usage**

```

<task-replication-state>
  <task-gres-state>
    task-gres-state
  </task-gres-state>
  <task-re-mode>
    task-re-mode
  </task-re-mode>
</task-replication-state>

```

**Description** Current state of task replication

**<task-size-block>****Usage**

```

<task-size-block-list>
  <task-size-block>
    <tsb-size>
      tsb-size
    
```

```
</tsb-size>
<tsb-terse-transient>
  tsb-terse-transient
</tsb-terse-transient>
<tsb-terse-fullpage>
  tsb-terse-fullpage
</tsb-terse-fullpage>
<tsb-allocs>
  tsb-allocs
</tsb-allocs>
<tsb-mallocs>
  tsb-mallocs
</tsb-mallocs>
<tsb-alloc-bytes>
  tsb-alloc-bytes
</tsb-alloc-bytes>
<tsb-max-allocs>
  tsb-max-allocs
</tsb-max-allocs>
<tsb-max-bytes>
  tsb-max-bytes
</tsb-max-bytes>
<tsb-free-bytes>
  tsb-free-bytes
</tsb-free-bytes>
</task-size-block>
</task-size-block-list>
```

## Description

### <task-size-block>

#### Usage

```
<task-memory-information>
<task-memory-overall-report>
  <task-size-block-list>
    <task-size-block>
      <tsb-size>
        tsb-size
      </tsb-size>
      <tsb-terse-transient>
        tsb-terse-transient
      </tsb-terse-transient>
      <tsb-terse-fullpage>
        tsb-terse-fullpage
      </tsb-terse-fullpage>
      <tsb-allocs>
        tsb-allocs
      </tsb-allocs>
      <tsb-mallocs>
        tsb-mallocs
      </tsb-mallocs>
      <tsb-alloc-bytes>
        tsb-alloc-bytes
      </tsb-alloc-bytes>
```

```

<tsb-max-allocs>
  tsb-max-allocs
</tsb-max-allocs>
<tsb-max-bytes>
  tsb-max-bytes
</tsb-max-bytes>
<tsb-free-bytes>
  tsb-free-bytes
</tsb-free-bytes>
</task-size-block>
</task-size-block-list>
</task-memory-overall-report>
</task-memory-information>

```

#### Description

### <task-size-block-list>

#### Usage

```

<task-size-block-list>
  <task-size-block>....</task-size-block>
</task-size-block-list>

```

#### Description

### <task-size-block-list>

#### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>
      <task-size-block>....</task-size-block>
    </task-size-block-list>
  </task-memory-overall-report>
</task-memory-information>

```

#### Description

### <task-statistics-information>

#### Usage

```

<task-statistics-information>
  <task-stat-event-name>
    task-stat-event-name
  </task-stat-event-name>
  <task-stat-event-count>
    task-stat-event-count
  </task-stat-event-count>
</task-statistics-information>

```

#### Description

## <task-summary-information>

### Usage

```
<task-summary-information>
  <task-summary-priority>
    task-summary-priority
  </task-summary-priority>
  <task-summary-task-name>
    task-summary-task-name
  </task-summary-task-name>
  <task-summary-protocol>
    task-summary-protocol
  </task-summary-protocol>
  <task-summary-port>
    task-summary-port
  </task-summary-port>
  <task-summary-socket>
    task-summary-socket
  </task-summary-socket>
  <task-summary-flags>
    task-summary-flags
  </task-summary-flags>
</task-summary-information>
```

### Description

## <task-timer>

### Usage

```
<task-timer>
  <timer-name>
    timer-name
  </timer-name>
  <timer-late>
    timer-late
  </timer-late>
  <timer-expires>
    timer-expires
  </timer-expires>
  <timer-jitter>
    timer-jitter
  </timer-jitter>
  <timer-interval>
    timer-interval
  </timer-interval>
  <timer-flags>
    timer-flags
  </timer-flags>
</task-timer>
```

### Description

**<task-timer>****Usage**

```

<task-timer-information>
<task>
  <task-timer>
    <timer-name>
      timer-name
    </timer-name>
    <timer-late>
      timer-late
    </timer-late>
    <timer-expires>
      timer-expires
    </timer-expires>
    <timer-jitter>
      timer-jitter
    </timer-jitter>
    <timer-interval>
      timer-interval
    </timer-interval>
    <timer-flags>
      timer-flags
    </timer-flags>
  </task-timer>
</task>
</task-timer-information>

```

**Description****<task-timer-information>****Usage**

```

<task-timer-information>
<task>....</task>
</task-timer-information>

```

**Description****<task-timer-priority>****Usage**

```

<task-timer-priority>
<task-timer-type>
  task-timer-type
</task-timer-type>
</task-timer-priority>

```

**Description**

### <task-timer-priority>

#### Usage

```
<task-timer-information>
<task>
  <task-timer-priority>
    <task-timer-type>
      task-timer-type
    </task-timer-type>
  </task-timer-priority>
</task>
</task-timer-information>
```

#### Description

### <task-timer-summary>

#### Usage

```
<task-timer-summary>
<task-timer-leaf>
  task-timer-leaf
</task-timer-leaf>
<task-timer-parent>
  task-timer-parent
</task-timer-parent>
<task-timer-expired>
  task-timer-expired
</task-timer-expired>
</task-timer-summary>
```

#### Description

### <task-timer-summary>

#### Usage

```
<task-timer-information>
<task>
  <task-timer-summary>
    <task-timer-leaf>
      task-timer-leaf
    </task-timer-leaf>
    <task-timer-parent>
      task-timer-parent
    </task-timer-parent>
    <task-timer-expired>
      task-timer-expired
    </task-timer-expired>
  </task-timer-summary>
</task>
</task-timer-information>
```

#### Description



## <tracing-information>

### Usage

```
<tracing-information>
  <flags>
    flags
  </flags>
  <filename>
    filename
  </filename>
  <filesize>
    filesize
  </filesize>
  <filelimit>
    filelimit
  </filelimit>
</tracing-information>
```

### Description

## Summary of DS-Lite Response Tags

---

## <ds-lite-softwire-sc>

### Usage

```
<ds-lite-softwire-sc-all-information>
  <ds-lite-softwire-sc>
    <ds-lite-softwire-sc-name>
      ds-lite-softwire-sc-name
    </ds-lite-softwire-sc-name>
    <ds-lite-softwire-sc-address>
      ds-lite-softwire-sc-address
    </ds-lite-softwire-sc-address>
    <ds-lite-softwire-sc-status>
      ds-lite-softwire-sc-status
    </ds-lite-softwire-sc-status>
    <ds-lite-softwire-sc-si-num>
      ds-lite-softwire-sc-si-num
    </ds-lite-softwire-sc-si-num>
  </ds-lite-softwire-sc>
</ds-lite-softwire-sc-all-information>
```

### Description

## <ds-lite-softwire-sc-all-information>

### Usage

```
<ds-lite-softwire-sc-all-information>
  <ds-lite-softwire-sc>...</ds-lite-softwire-sc>
</ds-lite-softwire-sc-all-information>
```

### Description

## <ds-lite-software-sc-detail-information>

### Usage

```
<ds-lite-software-sc-detail-information>
  <ds-lite-software-sc-pre>....</ds-lite-software-sc-pre>
  <ds-lite-software-si>....</ds-lite-software-si>
  <ds-lite-software-sc-si-num>
    ds-lite-software-sc-si-num
  </ds-lite-software-sc-si-num>
</ds-lite-software-sc-detail-information>
```

**Description** Information about specified SC

## <ds-lite-software-sc-pre>

### Usage

```
<ds-lite-software-sc-detail-information>
  <ds-lite-software-sc-pre>
    <ds-lite-software-sc-name>
      ds-lite-software-sc-name
    </ds-lite-software-sc-name>
    <ds-lite-software-sc-status>
      ds-lite-software-sc-status
    </ds-lite-software-sc-status>
    <ds-lite-software-sc-address>
      ds-lite-software-sc-address
    </ds-lite-software-sc-address>
    <ds-lite-software-sc-zone>
      ds-lite-software-sc-zone
    </ds-lite-software-sc-zone>
    <ds-lite-software-sc-vr-id>
      ds-lite-software-sc-vr-id
    </ds-lite-software-sc-vr-id>
  </ds-lite-software-sc-pre>
</ds-lite-software-sc-detail-information>
```

**Description** Brief information about specified SC

## <ds-lite-software-si>

### Usage

```
<ds-lite-software-sc-detail-information>
  <ds-lite-software-si>
    <ds-lite-software-si-address>
      ds-lite-software-si-address
    </ds-lite-software-si-address>
    <ds-lite-software-si-status>
      ds-lite-software-si-status
    </ds-lite-software-si-status>
    <ds-lite-software-si-spu>
      ds-lite-software-si-spu
    </ds-lite-software-si-spu>
```

```
</ds-lite-software-si>
</ds-lite-software-sc-detail-information>
```

**Description** Information about SI

## Summary of Dynamic VPN Response Tags

### <clear-all-dvpn-user-connection-information>

#### Usage

```
<clear-all-dvpn-user-connection-information>
  <cleared-user-connection-count>
    cleared-user-connection-count
  </cleared-user-connection-count>
</clear-all-dvpn-user-connection-information>
```

**Description** Information about cleared user connection information

### <clear-dvpn-user-connection-errors>

#### Usage

```
<clear-dvpn-user-connection-errors>
  <cleared-user-connection-for-user-errors>
    cleared-user-connection-for-user-errors
  </cleared-user-connection-for-user-errors>
</clear-dvpn-user-connection-errors>
```

**Description** Errors for clearing user connection information for specified user

### <clear-dvpn-user-connection-information>

#### Usage

```
<clear-dvpn-user-connection-information>
  <cleared-user-connection-for-user>
    cleared-user-connection-for-user
  </cleared-user-connection-for-user>
</clear-dvpn-user-connection-information>
```

**Description** Information about cleared user connection information for specified user

### <client-version>

#### Usage

```
<dvpn-client-version>
  <client-version>
    <dvpn-client-version-number>
      dvpn-client-version-number
    </dvpn-client-version-number>
  </client-version>
```

</dvpn-client-version>

**Description** Information about the dynamic vpn client version

### <dvpn-client-version>

#### Usage

```
<dvpn-client-version>
  <client-version>....</client-version>
</dvpn-client-version>
```

**Description** Information about dynamic-vpn client version

### <dvpn-connection>

#### Usage

```
<dvpn-connection>
  <dvpn-remote-ip-detail>
    dvpn-remote-ip-detail
  </dvpn-remote-ip-detail>
  <dvpn-ipsec-vpn>
    dvpn-ipsec-vpn
  </dvpn-ipsec-vpn>
  <dvpn-ike-gateway>
    dvpn-ike-gateway
  </dvpn-ike-gateway>
  <dvpn-ike-id-detail>
    dvpn-ike-id-detail
  </dvpn-ike-id-detail>
  <dvpn-ike-rekey-detail>
    dvpn-ike-rekey-detail
  </dvpn-ike-rekey-detail>
  <dvpn-ipsec-rekey-detail>
    dvpn-ipsec-rekey-detail
  </dvpn-ipsec-rekey-detail>
  <dvpn-status-detail>
    dvpn-status-detail
  </dvpn-status-detail>
</dvpn-connection>
```

**Description** User connection information

### <dvpn-connection>

#### Usage

```
<dvpn-users-information>
  <dvpn-user-conn-info>
    <dvpn-connection>
      <dvpn-remote-ip-detail>
        dvpn-remote-ip-detail
      </dvpn-remote-ip-detail>
```

```

<dvpn-ipsec-vpn>
  dvpn-ipsec-vpn
</dvpn-ipsec-vpn>
<dvpn-ike-gateway>
  dvpn-ike-gateway
</dvpn-ike-gateway>
<dvpn-ike-id-detail>
  dvpn-ike-id-detail
</dvpn-ike-id-detail>
<dvpn-ike-rekey-detail>
  dvpn-ike-rekey-detail
</dvpn-ike-rekey-detail>
<dvpn-ipsec-rekey-detail>
  dvpn-ipsec-rekey-detail
</dvpn-ipsec-rekey-detail>
<dvpn-status-detail>
  dvpn-status-detail
</dvpn-status-detail>
</dvpn-connection>
</dvpn-user-conn-info>
</dvpn-users-information>

```

**Description** User connection information

### <dvpn-user-conn-info>

#### Usage

```

<dvpn-users-information>
  <dvpn-user-conn-info>
    <dvpn-user>
      dvpn-user
    </dvpn-user>
    <dvpn-remote-ip>
      dvpn-remote-ip
    </dvpn-remote-ip>
    <dvpn-ike-id>
      dvpn-ike-id
    </dvpn-ike-id>
    <dvpn-ike-rekey>
      dvpn-ike-rekey
    </dvpn-ike-rekey>
    <dvpn-ipsec-rekey>
      dvpn-ipsec-rekey
    </dvpn-ipsec-rekey>
    <dvpn-client-config-name>
      dvpn-client-config-name
    </dvpn-client-config-name>
    <dvpn-status>
      dvpn-status
    </dvpn-status>
    <dvpn-connection-established-time>
      dvpn-connection-established-time
    </dvpn-connection-established-time>
    <dvpn-connected-tunnels-count>

```

```
        dvpn-connected-tunnels-count
      </dvpn-connected-tunnels-count>
    <dvpn-connection>....</dvpn-connection>
  </dvpn-user-conn-info>
</dvpn-users-information>
```

**Description** Information on a dvpn user connection

### <dvpn-users-information>

**Usage**

```
<dvpn-users-information>
  <dvpn-user-conn-info>....</dvpn-user-conn-info>
</dvpn-users-information>
```

**Description** Information about dynamic-vpn users

---

## Summary of End-to-End Debug Response Tags

### <eedebug-all-action-profile>

**Usage**

```
<eedebug-all-action-profile>
  <filter-name>
    filter-name
  </filter-name>
  <filter-index>
    filter-index
  </filter-index>
  <eedebug-action-profile-name>
    eedebug-action-profile-name
  </eedebug-action-profile-name>
  <eedebug-action-profile>
    eedebug-action-profile
  </eedebug-action-profile>
</eedebug-all-action-profile>
```

**Description**

### <eedebug-all-counters>

**Usage**

```
<eedebug-all-counters>
  <filter-name>
    filter-name
  </filter-name>
  <filter-index>
    filter-index
  </filter-index>
  <eedebug-counter-value>
    eedebug-counter-value
```

```

</eedebug-counter-value>
<eedebug-counter-name>
  eedebug-counter-name
</eedebug-counter-name>
<eedebug-cid>
  eedebug-cid
</eedebug-cid>
<eedebug-fpc>
  eedebug-fpc
</eedebug-fpc>
<eedebug-pic>
  eedebug-pic
</eedebug-pic>
</eedebug-all-counters>

```

#### Description

### <eedebug-all-events>

#### Usage

```

<eedebug-all-events>
  <eedebug-event>
    eedebug-event
  </eedebug-event>
  <chassis-id>
    chassis-id
  </chassis-id>
  <fpc-id>
    fpc-id
  </fpc-id>
  <pic-id>
    pic-id
  </pic-id>
  <eedebug-pfe>....</eedebug-pfe>
</eedebug-all-events>

```

#### Description

### <eedebug-capture-output>

#### Usage

```

<eedebug-capture-output>
  <eedebug-capture-output-blob>
    eedebug-capture-output-blob
  </eedebug-capture-output-blob>
</eedebug-capture-output>

```

#### Description

### <eedebug-pfe>

#### Usage

```

<eedebug-all-events>

```

```
<eedebug-pfe>
  <chassis-id>
    chassis-id
  </chassis-id>
  <fpc-id>
    fpc-id
  </fpc-id>
  <pic-id>
    pic-id
  </pic-id>
</eedebug-pfe>
</eedebug-all-events>
```

#### Description

### <eedebug-reload-result>

#### Usage

```
<eedebug-reload-result>
  <eedebug-reload-status>
    eedebug-reload-status
  </eedebug-reload-status>
</eedebug-reload-result>
```

#### Description

### <eedebug-trace-sort>

#### Usage

```
<eedebug-trace-sort>
  <eedebug-trace-sort-blob>
    eedebug-trace-sort-blob
  </eedebug-trace-sort-blob>
</eedebug-trace-sort>
```

#### Description

### <request-eedebug-capture-start-result>

#### Usage

```
<request-eedebug-capture-start-result>
  <eedebug-capture-start-status>
    eedebug-capture-start-status
  </eedebug-capture-start-status>
</request-eedebug-capture-start-result>
```

#### Description

### <request-eedebug-capture-stop-result>

#### Usage

```
<request-eedebug-capture-stop-result>
```



```

<eedebug-capture-stop-status>
  eedebug-capture-stop-status
</eedebug-capture-stop-status>
</request-eedebug-capture-stop-result>

```

## Description

## Summary of ESW Response Tags

### <age-statistics>

#### Usage

```

<age-statistics>
  <total-aging-message>
    total-aging-message
  </total-aging-message>
  <immediate-aging>
    immediate-aging
  </immediate-aging>
  <mac-address-seen>
    mac-address-seen
  </mac-address-seen>
  <mac-address-not-seen>
    mac-address-not-seen
  </mac-address-not-seen>
  <age-message-with-error>
    age-message-with-error
  </age-message-with-error>
  <age-message-with-invalid-vlan>
    age-message-with-invalid-vlan
  </age-message-with-invalid-vlan>
  <age-message-with-unfound-entry>
    age-message-with-unfound-entry
  </age-message-with-unfound-entry>
  <age-message-for-static-entry>
    age-message-for-static-entry
  </age-message-for-static-entry>
</age-statistics>

```

## Description

### <age-statistics>

#### Usage

```

<ethernet-switching-statistics>
  <ethernet-switching-aging-stats>
    <age-statistics>
      <total-aging-message>
        total-aging-message
      </total-aging-message>
      <immediate-aging>
        immediate-aging
      </immediate-aging>
      <mac-address-seen>

```

```
    mac-address-seen
  </mac-address-seen>
  <mac-address-not-seen>
    mac-address-not-seen
  </mac-address-not-seen>
  <age-message-with-error>
    age-message-with-error
  </age-message-with-error>
  <age-message-with-invalid-vlan>
    age-message-with-invalid-vlan
  </age-message-with-invalid-vlan>
  <age-message-with-unfound-entry>
    age-message-with-unfound-entry
  </age-message-with-unfound-entry>
  <age-message-for-static-entry>
    age-message-for-static-entry
  </age-message-for-static-entry>
</age-statistics>
</ethernet-switching-aging-stats>
</ethernet-switching-statistics>
```

#### Description

### <analyzer>

#### Usage

```
<analyzer>
  <analyzer-information>....</analyzer-information>
</analyzer>
```

#### Description

### <analyzer-egress-interface-list>

#### Usage

```
<analyzer-egress-interface-list>
  <analyzer-egress-interface-name>
    analyzer-egress-interface-name
  </analyzer-egress-interface-name>
</analyzer-egress-interface-list>
```

#### Description

### <analyzer-egress-interface-list>

#### Usage

```
<analyzer>
  <analyzer-information>
    <analyzer-egress-interface-list>
      <analyzer-egress-interface-name>
        analyzer-egress-interface-name
      </analyzer-egress-interface-name>
    </analyzer-egress-interface-list>
  </analyzer-information>
</analyzer>
```

```

    </analyzer-information>
  </analyzer>

```

#### Description

### <analyzer-egress-vlan-list>

#### Usage

```

<analyzer-egress-vlan-list>
  <analyzer-egress-vlan-name>
    analyzer-egress-vlan-name
  </analyzer-egress-vlan-name>
</analyzer-egress-vlan-list>

```

#### Description

### <analyzer-egress-vlan-list>

#### Usage

```

<analyzer>
  <analyzer-information>
    <analyzer-egress-vlan-list>
      <analyzer-egress-vlan-name>
        analyzer-egress-vlan-name
      </analyzer-egress-vlan-name>
    </analyzer-egress-vlan-list>
  </analyzer-information>
</analyzer>

```

#### Description

### <analyzer-information>

#### Usage

```

<analyzer>
  <analyzer-information>
    <analyzer-name>
      analyzer-name
    </analyzer-name>
    <analyzer-mirror-ratio>
      analyzer-mirror-ratio
    </analyzer-mirror-ratio>
    <analyzer-loss-priority>
      analyzer-loss-priority
    </analyzer-loss-priority>
    <analyzer-ingress-interface-list>....</analyzer-ingress-interface-list>
    <analyzer-egress-interface-list>....</analyzer-egress-interface-list>
    <analyzer-ingress-vlan-list>....</analyzer-ingress-vlan-list>
    <analyzer-egress-vlan-list>....</analyzer-egress-vlan-list>
    <analyzer-monitor>....</analyzer-monitor>
  </analyzer-information>
</analyzer>

```

**Description****<analyzer-ingress-interface-list>****Usage**

```
<analyzer-ingress-interface-list>
  <analyzer-ingress-interface-name>
    analyzer-ingress-interface-name
  </analyzer-ingress-interface-name>
</analyzer-ingress-interface-list>
```

**Description****<analyzer-ingress-interface-list>****Usage**

```
<analyzer>
  <analyzer-information>
    <analyzer-ingress-interface-list>
      <analyzer-ingress-interface-name>
        analyzer-ingress-interface-name
      </analyzer-ingress-interface-name>
    </analyzer-ingress-interface-list>
  </analyzer-information>
</analyzer>
```

**Description****<analyzer-ingress-vlan-list>****Usage**

```
<analyzer-ingress-vlan-list>
  <analyzer-ingress-vlan-name>
    analyzer-ingress-vlan-name
  </analyzer-ingress-vlan-name>
</analyzer-ingress-vlan-list>
```

**Description****<analyzer-ingress-vlan-list>****Usage**

```
<analyzer>
  <analyzer-information>
    <analyzer-ingress-vlan-list>
      <analyzer-ingress-vlan-name>
        analyzer-ingress-vlan-name
      </analyzer-ingress-vlan-name>
    </analyzer-ingress-vlan-list>
  </analyzer-information>
</analyzer>
```

**Description****<analyzer-monitor>****Usage**

```
<analyzer-monitor>
  <analyzer-monitor-port>
    analyzer-monitor-port
  </analyzer-monitor-port>
  <analyzer-monitor-vlan>
    analyzer-monitor-vlan
  </analyzer-monitor-vlan>
</analyzer-monitor>
```

**Description****<analyzer-monitor>****Usage**

```
<analyzer>
  <analyzer-information>
    <analyzer-monitor>
      <analyzer-monitor-port>
        analyzer-monitor-port
      </analyzer-monitor-port>
      <analyzer-monitor-vlan>
        analyzer-monitor-vlan
      </analyzer-monitor-vlan>
    </analyzer-monitor>
  </analyzer-information>
</analyzer>
```

**Description****<arp-inspection>****Usage**

```
<arp-inspection>
  <arp-inspection-statistics>....</arp-inspection-statistics>
</arp-inspection>
```

**Description****<arp-inspection-statistics>****Usage**

```
<arp-inspection>
  <arp-inspection-statistics>
    <arp-inspection-statistics-entry>....</arp-inspection-statistics-entry>
  </arp-inspection-statistics>
</arp-inspection>
```

## Description

### <arp-inspection-statistics-entry>

#### Usage

```
<arp-inspection>
  <arp-inspection-statistics>
    <arp-inspection-statistics-entry>
      <arp-interface>
        arp-interface
      </arp-interface>
      <arp-packet-count>
        arp-packet-count
      </arp-packet-count>
      <arp-packet-pass>
        arp-packet-pass
      </arp-packet-pass>
      <arp-packet-fail>
        arp-packet-fail
      </arp-packet-fail>
    </arp-inspection-statistics-entry>
  </arp-inspection-statistics>
</arp-inspection>
```

## Description

### <cist-bridge-parameters>

#### Usage

```
<cist-bridge-parameters>
  <cist-id>
    cist-id
  </cist-id>
  <root-bridge>....</root-bridge>
  <root-port>
    root-port
  </root-port>
  <root-cost>
    root-cost
  </root-cost>
  <regional-root-bridge>....</regional-root-bridge>
  <internal-root-cost>
    internal-root-cost
  </internal-root-cost>
  <hello-time-learned>
    hello-time-learned
  </hello-time-learned>
  <max-age-learned>
    max-age-learned
  </max-age-learned>
  <forward-delay-learned>
    forward-delay-learned
  </forward-delay-learned>
  <message-age>
    message-age
```

```

</message-age>
<hop-count>
  hop-count
</hop-count>
<time-since-last-topology-change>
  time-since-last-topology-change
</time-since-last-topology-change>
<topology-change-count>
  topology-change-count
</topology-change-count>
<topology-change-initiator>
  topology-change-initiator
</topology-change-initiator>
<topology-change-last-received-from>
  topology-change-last-received-from
</topology-change-last-received-from>
<extended-system-id>
  extended-system-id
</extended-system-id>
<internal-instance-id>
  internal-instance-id
</internal-instance-id>
<this-bridge>....</this-bridge>
<hello-time-configured>
  hello-time-configured
</hello-time-configured>
<max-age-configured>
  max-age-configured
</max-age-configured>
<forward-delay-configured>
  forward-delay-configured
</forward-delay-configured>
<maximum-hop-count-configured>
  maximum-hop-count-configured
</maximum-hop-count-configured>
<path-cost-method>
  path-cost-method
</path-cost-method>
</cist-bridge-parameters>

```

**Description** STP bridge parameters for common and internal spanning tree

### <cist-bridge-parameters>

#### Usage

```

<stp-bridge>
  <cist-bridge-parameters>
    <cist-id>
      cist-id
    </cist-id>
    <root-bridge>....</root-bridge>
    <root-port>
      root-port
    </root-port>
  </cist-bridge-parameters>

```

```
<root-cost>
  root-cost
</root-cost>
<regional-root-bridge>....</regional-root-bridge>
<internal-root-cost>
  internal-root-cost
</internal-root-cost>
<hello-time-learned>
  hello-time-learned
</hello-time-learned>
<max-age-learned>
  max-age-learned
</max-age-learned>
<forward-delay-learned>
  forward-delay-learned
</forward-delay-learned>
<message-age>
  message-age
</message-age>
<hop-count>
  hop-count
</hop-count>
<time-since-last-topology-change>
  time-since-last-topology-change
</time-since-last-topology-change>
<topology-change-count>
  topology-change-count
</topology-change-count>
<topology-change-initiator>
  topology-change-initiator
</topology-change-initiator>
<topology-change-last-received-from>
  topology-change-last-received-from
</topology-change-last-received-from>
<extended-system-id>
  extended-system-id
</extended-system-id>
<internal-instance-id>
  internal-instance-id
</internal-instance-id>
<this-bridge>....</this-bridge>
<hello-time-configured>
  hello-time-configured
</hello-time-configured>
<max-age-configured>
  max-age-configured
</max-age-configured>
<forward-delay-configured>
  forward-delay-configured
</forward-delay-configured>
<maximum-hop-count-configured>
  maximum-hop-count-configured
</maximum-hop-count-configured>
<path-cost-method>
  path-cost-method
</path-cost-method>
```



```

    </cist-bridge-parameters>
  </stp-bridge>

```

**Description** STP bridge parameters for common and internal spanning tree

### <customer-vlan-range>

#### Usage

```

<customer-vlan-range-list>
  <customer-vlan-range>
    <customer-vlan-range-start>
      customer-vlan-range-start
    </customer-vlan-range-start>
    <customer-vlan-range-end>
      customer-vlan-range-end
    </customer-vlan-range-end>
  </customer-vlan-range>
</customer-vlan-range-list>

```

#### Description

### <customer-vlan-range>

#### Usage

```

<vlan>
  <customer-vlan-range-list>
    <customer-vlan-range>
      <customer-vlan-range-start>
        customer-vlan-range-start
      </customer-vlan-range-start>
      <customer-vlan-range-end>
        customer-vlan-range-end
      </customer-vlan-range-end>
    </customer-vlan-range>
  </customer-vlan-range-list>
</vlan>

```

#### Description

### <customer-vlan-range>

#### Usage

```

<vlan-information>
  <vlan>
    <customer-vlan-range-list>
      <customer-vlan-range>
        <customer-vlan-range-start>
          customer-vlan-range-start
        </customer-vlan-range-start>
        <customer-vlan-range-end>
          customer-vlan-range-end
        </customer-vlan-range-end>
      </customer-vlan-range>
    </customer-vlan-range-list>
  </vlan>
</vlan-information>

```

```
</customer-vlan-range>
</customer-vlan-range-list>
</vlan>
</vlan-information>
```

#### Description

### <customer-vlan-range-list>

#### Usage

```
<customer-vlan-range-list>
  <customer-vlan-range>....</customer-vlan-range>
</customer-vlan-range-list>
```

#### Description

### <customer-vlan-range-list>

#### Usage

```
<vlan>
  <customer-vlan-range-list>
    <customer-vlan-range>....</customer-vlan-range>
  </customer-vlan-range-list>
</vlan>
```

#### Description

### <customer-vlan-range-list>

#### Usage

```
<vlan-information>
  <vlan>
    <customer-vlan-range-list>
      <customer-vlan-range>....</customer-vlan-range>
    </customer-vlan-range-list>
  </vlan>
</vlan-information>
```

#### Description

### <dhcp-snooping>

#### Usage

```
<dhcp-snooping>
  <dhcp-snooping-information>....</dhcp-snooping-information>
  <dhcp-snooping-statistics>....</dhcp-snooping-statistics>
</dhcp-snooping>
```

#### Description

## <dhcp-snooping-information>

### Usage

```

<dhcp-snooping>
<dhcp-snooping-information>
  <dhcp-mac>
    dhcp-mac
  </dhcp-mac>
  <dhcp-ip>
    dhcp-ip
  </dhcp-ip>
  <dhcp-lease>
    dhcp-lease
  </dhcp-lease>
  <dhcp-type>
    dhcp-type
  </dhcp-type>
  <dhcp-vlan>
    dhcp-vlan
  </dhcp-vlan>
  <dhcp-interface>
    dhcp-interface
  </dhcp-interface>
</dhcp-snooping-information>
</dhcp-snooping>

```

### Description

## <dhcp-snooping-statistics>

### Usage

```

<dhcp-snooping>
<dhcp-snooping-statistics>
  <successful-transfers>
    successful-transfers
  </successful-transfers>
  <failed-transfers>
    failed-transfers
  </failed-transfers>
  <successful-reads>
    successful-reads
  </successful-reads>
  <failed-reads>
    failed-reads
  </failed-reads>
  <successful-writes>
    successful-writes
  </successful-writes>
  <failed-writes>
    failed-writes
  </failed-writes>
</dhcp-snooping-statistics>
</dhcp-snooping>

```

**Description****<ethernet-switching-aging-stats>****Usage**

```
<ethernet-switching-statistics>
  <ethernet-switching-aging-stats>
    <age-statistics>....</age-statistics>
  </ethernet-switching-aging-stats>
</ethernet-switching-statistics>
```

**Description****<ethernet-switching-learning-stats>****Usage**

```
<ethernet-switching-learning-stats>
  <mac-stats-rcvd-total>
    mac-stats-rcvd-total
  </mac-stats-rcvd-total>
  <mac-stats-rcvd-local>
    mac-stats-rcvd-local
  </mac-stats-rcvd-local>
  <mac-stats-rcvd-transit>
    mac-stats-rcvd-transit
  </mac-stats-rcvd-transit>
  <mac-stats-error>
    mac-stats-error
  </mac-stats-error>
  <mac-stats-forced-update>
    mac-stats-forced-update
  </mac-stats-forced-update>
  <mac-statistics>....</mac-statistics>
</ethernet-switching-learning-stats>
```

**Description****<ethernet-switching-learning-stats>****Usage**

```
<ethernet-switching-statistics>
  <ethernet-switching-learning-stats>
    <mac-stats-rcvd-total>
      mac-stats-rcvd-total
    </mac-stats-rcvd-total>
    <mac-stats-rcvd-local>
      mac-stats-rcvd-local
    </mac-stats-rcvd-local>
    <mac-stats-rcvd-transit>
      mac-stats-rcvd-transit
    </mac-stats-rcvd-transit>
    <mac-stats-error>
      mac-stats-error
    </mac-stats-error>
  </ethernet-switching-learning-stats>
```

```
<mac-stats-forced-update>
  mac-stats-forced-update
</mac-stats-forced-update>
<mac-statistics>....</mac-statistics>
</ethernet-switching-learning-stats>
</ethernet-switching-statistics>
```

#### Description

### <ethernet-switching-mac-notification-information>

#### Usage

```
<ethernet-switching-mac-notification-information>
  <mac-notification-status>
    mac-notification-status
  </mac-notification-status>
  <mac-notification-interval>
    mac-notification-interval
  </mac-notification-interval>
  <mac-notification-sent>
    mac-notification-sent
  </mac-notification-sent>
  <mac-notification-max-tablesize>
    mac-notification-max-tablesize
  </mac-notification-max-tablesize>
</ethernet-switching-mac-notification-information>
```

#### Description

### <ethernet-switching-next-hop-information>

#### Usage

```
<ethernet-switching-next-hop-information>
  <nh-information>
    nh-information
  </nh-information>
  <ethernet-switching-next-hops>....</ethernet-switching-next-hops>
</ethernet-switching-next-hop-information>
```

#### Description

### <ethernet-switching-next-hops>

#### Usage

```
<ethernet-switching-next-hops>
  <nh-type>
    nh-type
  </nh-type>
  <direct-nh-index>
    direct-nh-index
  </direct-nh-index>
  <indirect-nh-index>
    indirect-nh-index
```

```
</indirect-nh-index>
<nh-index>
  nh-index
</nh-index>
<nh-8021q-tag>
  nh-8021q-tag
</nh-8021q-tag>
<nh-status>
  nh-status
</nh-status>
<nh-reference-count>
  nh-reference-count
</nh-reference-count>
<nh-flags>
  nh-flags
</nh-flags>
<nh-list-type>
  nh-list-type
</nh-list-type>
<nh-fdb-entry-count>
  nh-fdb-entry-count
</nh-fdb-entry-count>
<nh-tagged-interface-count>
  nh-tagged-interface-count
</nh-tagged-interface-count>
<nh-untagged-interface-count>
  nh-untagged-interface-count
</nh-untagged-interface-count>
<nh-fdb-count>
  nh-fdb-count
</nh-fdb-count>
<nh-hw-token>
  nh-hw-token
</nh-hw-token>
<nh-interface-list>.....</nh-interface-list>
<nh-detail-interface-list>.....</nh-detail-interface-list>
<nh-fdb-entry>.....</nh-fdb-entry>
</ethernet-switching-next-hops>
```

## Description

### <ethernet-switching-next-hops>

#### Usage

```
<ethernet-switching-next-hop-information>
<ethernet-switching-next-hops>
  <nh-type>
    nh-type
  </nh-type>
  <direct-nh-index>
    direct-nh-index
  </direct-nh-index>
  <indirect-nh-index>
    indirect-nh-index
  </indirect-nh-index>
```

```

<nh-index>
  nh-index
</nh-index>
<nh-8021q-tag>
  nh-8021q-tag
</nh-8021q-tag>
<nh-status>
  nh-status
</nh-status>
<nh-reference-count>
  nh-reference-count
</nh-reference-count>
<nh-flags>
  nh-flags
</nh-flags>
<nh-list-type>
  nh-list-type
</nh-list-type>
<nh-fdb-entry-count>
  nh-fdb-entry-count
</nh-fdb-entry-count>
<nh-tagged-interface-count>
  nh-tagged-interface-count
</nh-tagged-interface-count>
<nh-untagged-interface-count>
  nh-untagged-interface-count
</nh-untagged-interface-count>
<nh-fdb-count>
  nh-fdb-count
</nh-fdb-count>
<nh-hw-token>
  nh-hw-token
</nh-hw-token>
<nh-interface-list>....</nh-interface-list>
<nh-detail-interface-list>....</nh-detail-interface-list>
<nh-fdb-entry>....</nh-fdb-entry>
</ethernet-switching-next-hops>
</ethernet-switching-next-hop-information>

```

## Description

### <ethernet-switching-statistics>

#### Usage

```

<ethernet-switching-statistics>
  <ethernet-switching-learning-stats>....</ethernet-switching-learning-stats>
  <ethernet-switching-aging-stats>....</ethernet-switching-aging-stats>
</ethernet-switching-statistics>

```

## Description

## <ethernet-switching-table>

### Usage

```
<ethernet-switching-table>
  <mac-table-name>
    mac-table-name
  </mac-table-name>
  <mac-table-count>
    mac-table-count
  </mac-table-count>
  <mac-table-learned>
    mac-table-learned
  </mac-table-learned>
  <mac-table-entry>....</mac-table-entry>
</ethernet-switching-table>
```

### Description

## <ethernet-switching-table>

### Usage

```
<ethernet-switching-table-information>
  <ethernet-switching-table>
    <mac-table-name>
      mac-table-name
    </mac-table-name>
    <mac-table-count>
      mac-table-count
    </mac-table-count>
    <mac-table-learned>
      mac-table-learned
    </mac-table-learned>
    <mac-table-entry>....</mac-table-entry>
  </ethernet-switching-table>
</ethernet-switching-table-information>
```

### Description

## <ethernet-switching-table-information>

### Usage

```
<ethernet-switching-table-information>
  <ethernet-switching-table>....</ethernet-switching-table>
</ethernet-switching-table-information>
```

### Description

## <fdb-log-entry>

### Usage

```
<fdb-log-entry>
  <fdb-log-string>
```



```

    fdb-log-string
  </fdb-log-string>
</fdb-log-entry>

```

#### Description

### <fdb-log-entry>

#### Usage

```

<fdb-log-info>
  <fdb-log-entry>
    <fdb-log-string>
      fdb-log-string
    </fdb-log-string>
  </fdb-log-entry>
</fdb-log-info>

```

#### Description

### <fdb-log-info>

#### Usage

```

<fdb-log-info>
  <fdb-log-entry>....</fdb-log-entry>
</fdb-log-info>

```

#### Description

### <fip-snooping-enode-entry>

#### Usage

```

<fip-snooping-enode-entry>
  <enode-mac>
    enode-mac
  </enode-mac>
  <enode-vlan>
    enode-vlan
  </enode-vlan>
  <enode-configuration-timer>
    enode-configuration-timer
  </enode-configuration-timer>
  <enode-running-timer>
    enode-running-timer
  </enode-running-timer>
  <enode-interface>
    enode-interface
  </enode-interface>
  <fip-snooping-session-entry>....</fip-snooping-session-entry>
</fip-snooping-enode-entry>

```

#### Description

## <fip-snooping-enode-entry>

### Usage

```
<fip-snooping-enode-information>
  <fip-snooping-enode-entry>
    <enode-mac>
      enode-mac
    </enode-mac>
    <enode-vlan>
      enode-vlan
    </enode-vlan>
    <enode-configuration-timer>
      enode-configuration-timer
    </enode-configuration-timer>
    <enode-running-timer>
      enode-running-timer
    </enode-running-timer>
    <enode-interface>
      enode-interface
    </enode-interface>
    <fip-snooping-session-entry>....</fip-snooping-session-entry>
  </fip-snooping-enode-entry>
</fip-snooping-enode-information>
```

### Description

## <fip-snooping-enode-information>

### Usage

```
<fip-snooping-enode-information>
  <fip-snooping-enode-entry>....</fip-snooping-enode-entry>
</fip-snooping-enode-information>
```

### Description

## <fip-snooping-fcdsession-entry>

### Usage

```
<fip-snooping-fcdsession-entry>
  <fip-fcdsession-enode-mac>
    fip-fcdsession-enode-mac
  </fip-fcdsession-enode-mac>
  <fip-fcdsession-vnport-mac>
    fip-fcdsession-vnport-mac
  </fip-fcdsession-vnport-mac>
  <fip-fcdsession-classid>
    fip-fcdsession-classid
  </fip-fcdsession-classid>
</fip-snooping-fcdsession-entry>
```

### Description

**<fip-snooping-fcdsession-entry>****Usage**

```

<fip-snooping-fcdvlan-entry>
  <fip-snooping-fcdsession-entry>
    <fip-fcdsession-enode-mac>
      fip-fcdsession-enode-mac
    </fip-fcdsession-enode-mac>
    <fip-fcdsession-vnport-mac>
      fip-fcdsession-vnport-mac
    </fip-fcdsession-vnport-mac>
    <fip-fcdsession-classid>
      fip-fcdsession-classid
    </fip-fcdsession-classid>
  </fip-snooping-fcdsession-entry>
</fip-snooping-fcdvlan-entry>

```

**Description****<fip-snooping-fcdsession-entry>****Usage**

```

<fip-snooping-fcdstate-information>
  <fip-snooping-fcdvlan-entry>
    <fip-snooping-fcdsession-entry>
      <fip-fcdsession-enode-mac>
        fip-fcdsession-enode-mac
      </fip-fcdsession-enode-mac>
      <fip-fcdsession-vnport-mac>
        fip-fcdsession-vnport-mac
      </fip-fcdsession-vnport-mac>
      <fip-fcdsession-classid>
        fip-fcdsession-classid
      </fip-fcdsession-classid>
    </fip-snooping-fcdsession-entry>
  </fip-snooping-fcdvlan-entry>
</fip-snooping-fcdstate-information>

```

**Description****<fip-snooping-fcdstate-information>****Usage**

```

<fip-snooping-fcdstate-information>
  <fip-snooping-fcdvlan-entry>....</fip-snooping-fcdvlan-entry>
</fip-snooping-fcdstate-information>

```

**Description**

## <fip-snooping-fcdvlan-entry>

### Usage

```
<fip-snooping-fcdvlan-entry>
  <fip-fcdvlan-hw-token>
    fip-fcdvlan-hw-token
  </fip-fcdvlan-hw-token>
  <fip-fcdvlan-fc-map>
    fip-fcdvlan-fc-map
  </fip-fcdvlan-fc-map>
  <fip-fcdvlan-fcfmac>
    fip-fcdvlan-fcfmac
  </fip-fcdvlan-fcfmac>
  <fip-fcdvlan-applied>
    fip-fcdvlan-applied
  </fip-fcdvlan-applied>
  <fip-snooping-fcdsession-entry>....</fip-snooping-fcdsession-entry>
</fip-snooping-fcdvlan-entry>
```

### Description

## <fip-snooping-fcdvlan-entry>

### Usage

```
<fip-snooping-fcdstate-information>
  <fip-snooping-fcdvlan-entry>
    <fip-fcdvlan-hw-token>
      fip-fcdvlan-hw-token
    </fip-fcdvlan-hw-token>
    <fip-fcdvlan-fc-map>
      fip-fcdvlan-fc-map
    </fip-fcdvlan-fc-map>
    <fip-fcdvlan-fcfmac>
      fip-fcdvlan-fcfmac
    </fip-fcdvlan-fcfmac>
    <fip-fcdvlan-applied>
      fip-fcdvlan-applied
    </fip-fcdvlan-applied>
    <fip-snooping-fcdsession-entry>....</fip-snooping-fcdsession-entry>
  </fip-snooping-fcdvlan-entry>
</fip-snooping-fcdstate-information>
```

### Description

## <fip-snooping-fcf-enode-entry>

### Usage

```
<fip-snooping-fcf-enode-entry>
  <fcf-enode-mac>
    fcf-enode-mac
  </fcf-enode-mac>
  <fcf-enode-configuration-timer>
    fcf-enode-configuration-timer
```

```

</fcf-enode-configuration-timer>
<fcf-enode-running-timer>
  fcf-enode-running-timer
</fcf-enode-running-timer>
<fcf-enode-interface>
  fcf-enode-interface
</fcf-enode-interface>
<fip-snooping-session-entry>....</fip-snooping-session-entry>
</fip-snooping-fcf-enode-entry>

```

#### Description

### <fip-snooping-fcf-enode-entry>

#### Usage

```

<fip-snooping-fcf-entry>
  <fip-snooping-fcf-enode-entry>
    <fcf-enode-mac>
      fcf-enode-mac
    </fcf-enode-mac>
    <fcf-enode-configuration-timer>
      fcf-enode-configuration-timer
    </fcf-enode-configuration-timer>
    <fcf-enode-running-timer>
      fcf-enode-running-timer
    </fcf-enode-running-timer>
    <fcf-enode-interface>
      fcf-enode-interface
    </fcf-enode-interface>
    <fip-snooping-session-entry>....</fip-snooping-session-entry>
  </fip-snooping-fcf-enode-entry>
</fip-snooping-fcf-entry>

```

#### Description

### <fip-snooping-fcf-enode-entry>

#### Usage

```

<fip-snooping-vlan-fcf-entry>
  <fip-snooping-fcf-enode-entry>
    <fcf-enode-mac>
      fcf-enode-mac
    </fcf-enode-mac>
    <fcf-enode-configuration-timer>
      fcf-enode-configuration-timer
    </fcf-enode-configuration-timer>
    <fcf-enode-running-timer>
      fcf-enode-running-timer
    </fcf-enode-running-timer>
    <fcf-enode-interface>
      fcf-enode-interface
    </fcf-enode-interface>
    <fip-snooping-session-entry>....</fip-snooping-session-entry>
  </fip-snooping-fcf-enode-entry>

```

</fip-snooping-vlan-fcf-entry>

#### Description

### <fip-snooping-fcf-enode-entry>

#### Usage

```
<fip-snooping-vlan-entry>
  <fip-snooping-vlan-fcf-entry>
    <fip-snooping-fcf-enode-entry>
      <fcf-enode-mac>
        fcf-enode-mac
      </fcf-enode-mac>
      <fcf-enode-configuration-timer>
        fcf-enode-configuration-timer
      </fcf-enode-configuration-timer>
      <fcf-enode-running-timer>
        fcf-enode-running-timer
      </fcf-enode-running-timer>
      <fcf-enode-interface>
        fcf-enode-interface
      </fcf-enode-interface>
      <fip-snooping-session-entry>....</fip-snooping-session-entry>
    </fip-snooping-fcf-enode-entry>
  </fip-snooping-vlan-fcf-entry>
</fip-snooping-vlan-entry>
```

#### Description

### <fip-snooping-fcf-enode-entry>

#### Usage

```
<fip-snooping-statistics>
  <fip-snooping-vlan-entry>
    <fip-snooping-vlan-fcf-entry>
      <fip-snooping-fcf-enode-entry>
        <fcf-enode-mac>
          fcf-enode-mac
        </fcf-enode-mac>
        <fcf-enode-configuration-timer>
          fcf-enode-configuration-timer
        </fcf-enode-configuration-timer>
        <fcf-enode-running-timer>
          fcf-enode-running-timer
        </fcf-enode-running-timer>
        <fcf-enode-interface>
          fcf-enode-interface
        </fcf-enode-interface>
        <fip-snooping-session-entry>....</fip-snooping-session-entry>
      </fip-snooping-fcf-enode-entry>
    </fip-snooping-vlan-fcf-entry>
  </fip-snooping-vlan-entry>
</fip-snooping-statistics>
```

## Description

## &lt;fip-snooping-fcf-enode-entry&gt;

## Usage

```

<fip-snooping-fcf-information>
<fip-snooping-fcf-entry>
  <fip-snooping-fcf-enode-entry>
    <fcf-enode-mac>
      fcf-enode-mac
    </fcf-enode-mac>
    <fcf-enode-configuration-timer>
      fcf-enode-configuration-timer
    </fcf-enode-configuration-timer>
    <fcf-enode-running-timer>
      fcf-enode-running-timer
    </fcf-enode-running-timer>
    <fcf-enode-interface>
      fcf-enode-interface
    </fcf-enode-interface>
    <fip-snooping-session-entry>....</fip-snooping-session-entry>
  </fip-snooping-fcf-enode-entry>
</fip-snooping-fcf-entry>
</fip-snooping-fcf-information>

```

## Description

## &lt;fip-snooping-fcf-enode-entry&gt;

## Usage

```

<fip-snooping-information>
<fip-snooping-vlan-entry>
  <fip-snooping-vlan-fcf-entry>
    <fip-snooping-fcf-enode-entry>
      <fcf-enode-mac>
        fcf-enode-mac
      </fcf-enode-mac>
      <fcf-enode-configuration-timer>
        fcf-enode-configuration-timer
      </fcf-enode-configuration-timer>
      <fcf-enode-running-timer>
        fcf-enode-running-timer
      </fcf-enode-running-timer>
      <fcf-enode-interface>
        fcf-enode-interface
      </fcf-enode-interface>
      <fip-snooping-session-entry>....</fip-snooping-session-entry>
    </fip-snooping-fcf-enode-entry>
  </fip-snooping-vlan-fcf-entry>
</fip-snooping-vlan-entry>
</fip-snooping-information>

```

## Description

## <fip-snooping-fcf-entry>

### Usage

```
<fip-snooping-fcf-entry>
  <fcf-mac>
    fcf-mac
  </fcf-mac>
  <fcf-vlan>
    fcf-vlan
  </fcf-vlan>
  <fcf-session>
    fcf-session
  </fcf-session>
  <fcf-configuration-timer>
    fcf-configuration-timer
  </fcf-configuration-timer>
  <fcf-running-timer>
    fcf-running-timer
  </fcf-running-timer>
  <fip-snooping-fcf-enode-entry>....</fip-snooping-fcf-enode-entry>
</fip-snooping-fcf-entry>
```

### Description

## <fip-snooping-fcf-entry>

### Usage

```
<fip-snooping-fcf-information>
  <fip-snooping-fcf-entry>
    <fcf-mac>
      fcf-mac
    </fcf-mac>
    <fcf-vlan>
      fcf-vlan
    </fcf-vlan>
    <fcf-session>
      fcf-session
    </fcf-session>
    <fcf-configuration-timer>
      fcf-configuration-timer
    </fcf-configuration-timer>
    <fcf-running-timer>
      fcf-running-timer
    </fcf-running-timer>
    <fip-snooping-fcf-enode-entry>....</fip-snooping-fcf-enode-entry>
  </fip-snooping-fcf-entry>
</fip-snooping-fcf-information>
```

### Description



### <fip-snooping-fcf-information>

#### Usage

```
<fip-snooping-fcf-information>  
  <fip-snooping-fcf-entry>....</fip-snooping-fcf-entry>  
</fip-snooping-fcf-information>
```

#### Description

### <fip-snooping-information>

#### Usage

```
<fip-snooping-information>  
  <fip-snooping-vlan-entry>....</fip-snooping-vlan-entry>  
</fip-snooping-information>
```

#### Description

### <fip-snooping-session-entry>

#### Usage

```
<fip-snooping-session-entry>  
  <session-fcf-mac>  
    session-fcf-mac  
  </session-fcf-mac>  
  <session-vnport-mac>  
    session-vnport-mac  
  </session-vnport-mac>  
  <session-vnport-timer>  
    session-vnport-timer  
  </session-vnport-timer>  
</fip-snooping-session-entry>
```

#### Description

### <fip-snooping-session-entry>

#### Usage

```
<fip-snooping-fcf-enode-entry>  
  <fip-snooping-session-entry>  
    <session-fcf-mac>  
      session-fcf-mac  
    </session-fcf-mac>  
    <session-vnport-mac>  
      session-vnport-mac  
    </session-vnport-mac>  
    <session-vnport-timer>  
      session-vnport-timer  
    </session-vnport-timer>  
  </fip-snooping-session-entry>  
</fip-snooping-fcf-enode-entry>
```

**Description****<fip-snooping-session-entry>****Usage**

```
<fip-snooping-enode-entry>
  <fip-snooping-session-entry>
    <session-fcf-mac>
      session-fcf-mac
    </session-fcf-mac>
    <session-vnport-mac>
      session-vnport-mac
    </session-vnport-mac>
    <session-vnport-timer>
      session-vnport-timer
    </session-vnport-timer>
  </fip-snooping-session-entry>
</fip-snooping-enode-entry>
```

**Description****<fip-snooping-session-entry>****Usage**

```
<fip-snooping-fcf-entry>
  <fip-snooping-fcf-enode-entry>
    <fip-snooping-session-entry>
      <session-fcf-mac>
        session-fcf-mac
      </session-fcf-mac>
      <session-vnport-mac>
        session-vnport-mac
      </session-vnport-mac>
      <session-vnport-timer>
        session-vnport-timer
      </session-vnport-timer>
    </fip-snooping-session-entry>
  </fip-snooping-fcf-enode-entry>
</fip-snooping-fcf-entry>
```

**Description****<fip-snooping-session-entry>****Usage**

```
<fip-snooping-vlan-fcf-entry>
  <fip-snooping-fcf-enode-entry>
    <fip-snooping-session-entry>
      <session-fcf-mac>
        session-fcf-mac
      </session-fcf-mac>
      <session-vnport-mac>
        session-vnport-mac
      </session-vnport-mac>
```

```

    <session-vnport-timer>
      session-vnport-timer
    </session-vnport-timer>
  </fip-snooping-session-entry>
</fip-snooping-fcf-enode-entry>
</fip-snooping-vlan-fcf-entry>

```

#### Description

### <fip-snooping-session-entry>

#### Usage

```

<fip-snooping-vlan-entry>
  <fip-snooping-vlan-fcf-entry>
    <fip-snooping-fcf-enode-entry>
      <fip-snooping-session-entry>
        <session-fcf-mac>
          session-fcf-mac
        </session-fcf-mac>
        <session-vnport-mac>
          session-vnport-mac
        </session-vnport-mac>
        <session-vnport-timer>
          session-vnport-timer
        </session-vnport-timer>
      </fip-snooping-session-entry>
    </fip-snooping-fcf-enode-entry>
  </fip-snooping-vlan-fcf-entry>
</fip-snooping-vlan-entry>

```

#### Description

### <fip-snooping-session-entry>

#### Usage

```

<fip-snooping-statistics>
  <fip-snooping-vlan-entry>
    <fip-snooping-vlan-fcf-entry>
      <fip-snooping-fcf-enode-entry>
        <fip-snooping-session-entry>
          <session-fcf-mac>
            session-fcf-mac
          </session-fcf-mac>
          <session-vnport-mac>
            session-vnport-mac
          </session-vnport-mac>
          <session-vnport-timer>
            session-vnport-timer
          </session-vnport-timer>
        </fip-snooping-session-entry>
      </fip-snooping-fcf-enode-entry>
    </fip-snooping-vlan-fcf-entry>
  </fip-snooping-vlan-entry>

```

```
</fip-snooping-statistics>
```

#### Description

### <fip-snooping-session-entry>

#### Usage

```
<fip-snooping-enode-information>
  <fip-snooping-enode-entry>
    <fip-snooping-session-entry>
      <session-fcf-mac>
        session-fcf-mac
      </session-fcf-mac>
      <session-vnport-mac>
        session-vnport-mac
      </session-vnport-mac>
      <session-vnport-timer>
        session-vnport-timer
      </session-vnport-timer>
    </fip-snooping-session-entry>
  </fip-snooping-enode-entry>
</fip-snooping-enode-information>
```

#### Description

### <fip-snooping-session-entry>

#### Usage

```
<fip-snooping-fcf-information>
  <fip-snooping-fcf-entry>
    <fip-snooping-fcf-enode-entry>
      <fip-snooping-session-entry>
        <session-fcf-mac>
          session-fcf-mac
        </session-fcf-mac>
        <session-vnport-mac>
          session-vnport-mac
        </session-vnport-mac>
        <session-vnport-timer>
          session-vnport-timer
        </session-vnport-timer>
      </fip-snooping-session-entry>
    </fip-snooping-fcf-enode-entry>
  </fip-snooping-fcf-entry>
</fip-snooping-fcf-information>
```

#### Description

### <fip-snooping-session-entry>

#### Usage

```
<fip-snooping-information>
  <fip-snooping-vlan-entry>
```

```

<fip-snooping-vlan-fcf-entry>
  <fip-snooping-fcf-enode-entry>
    <fip-snooping-session-entry>
      <session-fcf-mac>
        session-fcf-mac
      </session-fcf-mac>
      <session-vnport-mac>
        session-vnport-mac
      </session-vnport-mac>
      <session-vnport-timer>
        session-vnport-timer
      </session-vnport-timer>
    </fip-snooping-session-entry>
  </fip-snooping-fcf-enode-entry>
</fip-snooping-vlan-fcf-entry>
</fip-snooping-vlan-entry>
</fip-snooping-information>

```

#### Description

### <fip-snooping-statistics>

#### Usage

```

<fip-snooping-statistics>
  <fip-snooping-vlan-entry>....</fip-snooping-vlan-entry>
</fip-snooping-statistics>

```

#### Description

### <fip-snooping-vlan-entry>

#### Usage

```

<fip-snooping-vlan-entry>
  <fip-vlan-name>
    fip-vlan-name
  </fip-vlan-name>
  <fip-vlan-fc-map>
    fip-vlan-fc-map
  </fip-vlan-fc-map>
  <fip-snooping-vlan-statistics>....</fip-snooping-vlan-statistics>
  <fip-snooping-vlan-fcf-entry>....</fip-snooping-vlan-fcf-entry>
</fip-snooping-vlan-entry>

```

#### Description

### <fip-snooping-vlan-entry>

#### Usage

```

<fip-snooping-statistics>
  <fip-snooping-vlan-entry>
    <fip-vlan-name>
      fip-vlan-name
    </fip-vlan-name>
  </fip-snooping-vlan-entry>

```

```
<fip-vlan-fc-map>
  fip-vlan-fc-map
</fip-vlan-fc-map>
<fip-snooping-vlan-statistics>....</fip-snooping-vlan-statistics>
<fip-snooping-vlan-fcf-entry>....</fip-snooping-vlan-fcf-entry>
</fip-snooping-vlan-entry>
</fip-snooping-statistics>
```

#### Description

### <fip-snooping-vlan-entry>

#### Usage

```
<fip-snooping-information>
  <fip-snooping-vlan-entry>
    <fip-vlan-name>
      fip-vlan-name
    </fip-vlan-name>
    <fip-vlan-fc-map>
      fip-vlan-fc-map
    </fip-vlan-fc-map>
    <fip-snooping-vlan-statistics>....</fip-snooping-vlan-statistics>
    <fip-snooping-vlan-fcf-entry>....</fip-snooping-vlan-fcf-entry>
  </fip-snooping-vlan-entry>
</fip-snooping-information>
```

#### Description

### <fip-snooping-vlan-fcf-entry>

#### Usage

```
<fip-snooping-vlan-fcf-entry>
  <vlan-fcf-mac>
    vlan-fcf-mac
  </vlan-fcf-mac>
  <vlan-fcf-session>
    vlan-fcf-session
  </vlan-fcf-session>
  <vlan-fcf-configuration-timer>
    vlan-fcf-configuration-timer
  </vlan-fcf-configuration-timer>
  <vlan-fcf-running-timer>
    vlan-fcf-running-timer
  </vlan-fcf-running-timer>
  <fip-snooping-fcf-enode-entry>....</fip-snooping-fcf-enode-entry>
</fip-snooping-vlan-fcf-entry>
```

#### Description

### <fip-snooping-vlan-fcf-entry>

#### Usage

```
<fip-snooping-vlan-entry>
```

```

<fip-snooping-vlan-fcf-entry>
  <vlan-fcf-mac>
    vlan-fcf-mac
  </vlan-fcf-mac>
  <vlan-fcf-session>
    vlan-fcf-session
  </vlan-fcf-session>
  <vlan-fcf-configuration-timer>
    vlan-fcf-configuration-timer
  </vlan-fcf-configuration-timer>
  <vlan-fcf-running-timer>
    vlan-fcf-running-timer
  </vlan-fcf-running-timer>
  <fip-snooping-fcf-enode-entry>....</fip-snooping-fcf-enode-entry>
</fip-snooping-vlan-fcf-entry>
</fip-snooping-vlan-entry>

```

#### Description

#### <fip-snooping-vlan-fcf-entry>

##### Usage

```

<fip-snooping-statistics>
  <fip-snooping-vlan-entry>
    <fip-snooping-vlan-fcf-entry>
      <vlan-fcf-mac>
        vlan-fcf-mac
      </vlan-fcf-mac>
      <vlan-fcf-session>
        vlan-fcf-session
      </vlan-fcf-session>
      <vlan-fcf-configuration-timer>
        vlan-fcf-configuration-timer
      </vlan-fcf-configuration-timer>
      <vlan-fcf-running-timer>
        vlan-fcf-running-timer
      </vlan-fcf-running-timer>
      <fip-snooping-fcf-enode-entry>....</fip-snooping-fcf-enode-entry>
    </fip-snooping-vlan-fcf-entry>
  </fip-snooping-vlan-entry>
</fip-snooping-statistics>

```

#### Description

#### <fip-snooping-vlan-fcf-entry>

##### Usage

```

<fip-snooping-information>
  <fip-snooping-vlan-entry>
    <fip-snooping-vlan-fcf-entry>
      <vlan-fcf-mac>
        vlan-fcf-mac
      </vlan-fcf-mac>
      <vlan-fcf-session>

```

```
    vlan-fcf-session
  </vlan-fcf-session>
  <vlan-fcf-configuration-timer>
    vlan-fcf-configuration-timer
  </vlan-fcf-configuration-timer>
  <vlan-fcf-running-timer>
    vlan-fcf-running-timer
  </vlan-fcf-running-timer>
  <fip-snooping-fcf-enode-entry>....</fip-snooping-fcf-enode-entry>
</fip-snooping-vlan-fcf-entry>
</fip-snooping-vlan-entry>
</fip-snooping-information>
```

## Description

### <fip-snooping-vlan-statistics>

#### Usage

```
<fip-snooping-vlan-statistics>
  <fcf-mda-count>
    fcf-mda-count
  </fcf-mda-count>
  <fcf-uda-count>
    fcf-uda-count
  </fcf-uda-count>
  <fcf-flogi-acc-count>
    fcf-flogi-acc-count
  </fcf-flogi-acc-count>
  <fcf-flogi-rjt-count>
    fcf-flogi-rjt-count
  </fcf-flogi-rjt-count>
  <fcf-fdisc-acc-count>
    fcf-fdisc-acc-count
  </fcf-fdisc-acc-count>
  <fcf-fdisc-rjt-count>
    fcf-fdisc-rjt-count
  </fcf-fdisc-rjt-count>
  <fcf-logo-acc-count>
    fcf-logo-acc-count
  </fcf-logo-acc-count>
  <fcf-logo-rjt-count>
    fcf-logo-rjt-count
  </fcf-logo-rjt-count>
  <fcf-cvl-count>
    fcf-cvl-count
  </fcf-cvl-count>
  <enode-mds-count>
    enode-mds-count
  </enode-mds-count>
  <enode-uds-count>
    enode-uds-count
  </enode-uds-count>
  <enode-flogi-count>
    enode-flogi-count
  </enode-flogi-count>
```



```

<enode-fdisc-count>
  enode-fdisc-count
</enode-fdisc-count>
<enode-logo-count>
  enode-logo-count
</enode-logo-count>
<enode-ka-count>
  enode-ka-count
</enode-ka-count>
<enode-vnport-ka-count>
  enode-vnport-ka-count
</enode-vnport-ka-count>
</fip-snooping-vlan-statistics>

```

### Description

## <fip-snooping-vlan-statistics>

### Usage

```

<fip-snooping-vlan-entry>
  <fip-snooping-vlan-statistics>
    <fcf-mds-count>
      fcf-mds-count
    </fcf-mds-count>
    <fcf-uda-count>
      fcf-uda-count
    </fcf-uda-count>
    <fcf-flogi-acc-count>
      fcf-flogi-acc-count
    </fcf-flogi-acc-count>
    <fcf-flogi-rjt-count>
      fcf-flogi-rjt-count
    </fcf-flogi-rjt-count>
    <fcf-fdisc-acc-count>
      fcf-fdisc-acc-count
    </fcf-fdisc-acc-count>
    <fcf-fdisc-rjt-count>
      fcf-fdisc-rjt-count
    </fcf-fdisc-rjt-count>
    <fcf-logo-acc-count>
      fcf-logo-acc-count
    </fcf-logo-acc-count>
    <fcf-logo-rjt-count>
      fcf-logo-rjt-count
    </fcf-logo-rjt-count>
    <fcf-cvl-count>
      fcf-cvl-count
    </fcf-cvl-count>
    <enode-mds-count>
      enode-mds-count
    </enode-mds-count>
    <enode-uds-count>
      enode-uds-count
    </enode-uds-count>
    <enode-flogi-count>

```

```
    enode-flogi-count
  </enode-flogi-count>
  <enode-fdisc-count>
    enode-fdisc-count
  </enode-fdisc-count>
  <enode-logo-count>
    enode-logo-count
  </enode-logo-count>
  <enode-ka-count>
    enode-ka-count
  </enode-ka-count>
  <enode-vnport-ka-count>
    enode-vnport-ka-count
  </enode-vnport-ka-count>
</fip-snooping-vlan-statistics>
</fip-snooping-vlan-entry>
```

## Description

### <fip-snooping-vlan-statistics>

#### Usage

```
<fip-snooping-statistics>
  <fip-snooping-vlan-entry>
    <fip-snooping-vlan-statistics>
      <fcf-mda-count>
        fcf-mda-count
      </fcf-mda-count>
      <fcf-uda-count>
        fcf-uda-count
      </fcf-uda-count>
      <fcf-flogi-acc-count>
        fcf-flogi-acc-count
      </fcf-flogi-acc-count>
      <fcf-flogi-rjt-count>
        fcf-flogi-rjt-count
      </fcf-flogi-rjt-count>
      <fcf-fdisc-acc-count>
        fcf-fdisc-acc-count
      </fcf-fdisc-acc-count>
      <fcf-fdisc-rjt-count>
        fcf-fdisc-rjt-count
      </fcf-fdisc-rjt-count>
      <fcf-logo-acc-count>
        fcf-logo-acc-count
      </fcf-logo-acc-count>
      <fcf-logo-rjt-count>
        fcf-logo-rjt-count
      </fcf-logo-rjt-count>
      <fcf-cvl-count>
        fcf-cvl-count
      </fcf-cvl-count>
      <enode-mds-count>
        enode-mds-count
      </enode-mds-count>
```

```

<enode-uds-count>
  enode-uds-count
</enode-uds-count>
<enode-flogi-count>
  enode-flogi-count
</enode-flogi-count>
<enode-fdisc-count>
  enode-fdisc-count
</enode-fdisc-count>
<enode-logo-count>
  enode-logo-count
</enode-logo-count>
<enode-ka-count>
  enode-ka-count
</enode-ka-count>
<enode-vnport-ka-count>
  enode-vnport-ka-count
</enode-vnport-ka-count>
</fip-snooping-vlan-statistics>
</fip-snooping-vlan-entry>
</fip-snooping-statistics>

```

## Description

### <fip-snooping-vlan-statistics>

#### Usage

```

<fip-snooping-information>
  <fip-snooping-vlan-entry>
    <fip-snooping-vlan-statistics>
      <fcf-mda-count>
        fcf-mda-count
      </fcf-mda-count>
      <fcf-uda-count>
        fcf-uda-count
      </fcf-uda-count>
      <fcf-flogi-acc-count>
        fcf-flogi-acc-count
      </fcf-flogi-acc-count>
      <fcf-flogi-rjt-count>
        fcf-flogi-rjt-count
      </fcf-flogi-rjt-count>
      <fcf-fdisc-acc-count>
        fcf-fdisc-acc-count
      </fcf-fdisc-acc-count>
      <fcf-fdisc-rjt-count>
        fcf-fdisc-rjt-count
      </fcf-fdisc-rjt-count>
      <fcf-logo-acc-count>
        fcf-logo-acc-count
      </fcf-logo-acc-count>
      <fcf-logo-rjt-count>
        fcf-logo-rjt-count
      </fcf-logo-rjt-count>
      <fcf-cvl-count>

```

```
    fcf-cvl-count
  </fcf-cvl-count>
  <enode-mds-count>
    enode-mds-count
  </enode-mds-count>
  <enode-uds-count>
    enode-uds-count
  </enode-uds-count>
  <enode-flogi-count>
    enode-flogi-count
  </enode-flogi-count>
  <enode-fdisc-count>
    enode-fdisc-count
  </enode-fdisc-count>
  <enode-logo-count>
    enode-logo-count
  </enode-logo-count>
  <enode-ka-count>
    enode-ka-count
  </enode-ka-count>
  <enode-vnport-ka-count>
    enode-vnport-ka-count
  </enode-vnport-ka-count>
</fip-snooping-vlan-statistics>
</fip-snooping-vlan-entry>
</fip-snooping-information>
```

## Description

### <fip-snooping-vlandiscovery-enode>

#### Usage

```
<fip-snooping-vlandiscovery-enode>
  <enode-mac>
    enode-mac
  </enode-mac>
  <fip-snooping-vlandiscovery-interface-name>
    fip-snooping-vlandiscovery-interface-name
  </fip-snooping-vlandiscovery-interface-name>
  <num-vlans>
    num-vlans
  </num-vlans>
  <fcdref-count>
    fcdref-count
  </fcdref-count>
  <unsolicited-notification-count>
    unsolicited-notification-count
  </unsolicited-notification-count>
  <notification-count>
    notification-count
  </notification-count>
  <request-count>
    request-count
  </request-count>
  <vlan-list>
```

```

    vlan-list
  </vlan-list>
</fip-snooping-vlandiscovery-enode>

```

#### Description

### <fip-snooping-vlandiscovery-enode>

#### Usage

```

<fip-snooping-vlandiscovery-enodes>
  <fip-snooping-vlandiscovery-enode>
    <enode-mac>
      enode-mac
    </enode-mac>
    <fip-snooping-vlandiscovery-interface-name>
      fip-snooping-vlandiscovery-interface-name
    </fip-snooping-vlandiscovery-interface-name>
    <num-vlans>
      num-vlans
    </num-vlans>
    <fcdref-count>
      fcdref-count
    </fcdref-count>
    <unsolicited-notification-count>
      unsolicited-notification-count
    </unsolicited-notification-count>
    <notification-count>
      notification-count
    </notification-count>
    <request-count>
      request-count
    </request-count>
    <vlan-list>
      vlan-list
    </vlan-list>
  </fip-snooping-vlandiscovery-enode>
</fip-snooping-vlandiscovery-enodes>

```

#### Description

### <fip-snooping-vlandiscovery-enodes>

#### Usage

```

<fip-snooping-vlandiscovery-enodes>
  <fip-snooping-vlandiscovery-enode>....</fip-snooping-vlandiscovery-enode>
</fip-snooping-vlandiscovery-enodes>

```

**Description** Information about VLAN discovery Enodes information

## <fip-snooping-vlandiscovery-interface>

### Usage

```
<fip-snooping-vlandiscovery-interface>
  <fip-snooping-vlandiscovery-interface-name>
    fip-snooping-vlandiscovery-interface-name
  </fip-snooping-vlandiscovery-interface-name>
  <enode-count>
    enode-count
  </enode-count>
  <enode-list>
    enode-list
  </enode-list>
</fip-snooping-vlandiscovery-interface>
```

### Description

## <fip-snooping-vlandiscovery-interface>

### Usage

```
<fip-snooping-vlandiscovery-interfaces>
  <fip-snooping-vlandiscovery-interface>
    <fip-snooping-vlandiscovery-interface-name>
      fip-snooping-vlandiscovery-interface-name
    </fip-snooping-vlandiscovery-interface-name>
    <enode-count>
      enode-count
    </enode-count>
    <enode-list>
      enode-list
    </enode-list>
  </fip-snooping-vlandiscovery-interface>
</fip-snooping-vlandiscovery-interfaces>
```

### Description

## <fip-snooping-vlandiscovery-interfaces>

### Usage

```
<fip-snooping-vlandiscovery-interfaces>
  <fip-snooping-vlandiscovery-interface>.....</fip-snooping-vlandiscovery-interface>
</fip-snooping-vlandiscovery-interfaces>
```

**Description** Information about VLAN discovery interfaces information

## <fip-snooping-vlandiscovery-statistics>

### Usage

```
<fip-snooping-vlandiscovery-statistics>
  <request-count>
    request-count
```

```

</request-count>
<notification-count>
  notification-count
</notification-count>
<unsolicited-notification-count>
  unsolicited-notification-count
</unsolicited-notification-count>
</fip-snooping-vlandiscovery-statistics>

```

#### Description

### <fip-snooping-vlandiscovery-statistics>

#### Usage

```

<fip-snooping-vlandiscovery-statistics-information>
  <fip-snooping-vlandiscovery-statistics>
    <request-count>
      request-count
    </request-count>
    <notification-count>
      notification-count
    </notification-count>
    <unsolicited-notification-count>
      unsolicited-notification-count
    </unsolicited-notification-count>
  </fip-snooping-vlandiscovery-statistics>
</fip-snooping-vlandiscovery-statistics-information>

```

#### Description

### <fip-snooping-vlandiscovery-statistics-information>

#### Usage

```

<fip-snooping-vlandiscovery-statistics-information>
<fip-snooping-vlandiscovery-statistics>....</fip-snooping-vlandiscovery-statistics>

</fip-snooping-vlandiscovery-statistics-information>

```

#### Description

### <gvrp>

#### Usage

```

<gvrp>
  <gvrp-timers>....</gvrp-timers>
  <gvrp-information>....</gvrp-information>
  <gvrp-statistics>....</gvrp-statistics>
</gvrp>

```

#### Description

## <gvrp-information>

### Usage

```
<gvrp>
  <gvrp-information>
    <gvrp-status>
      gvrp-status
    </gvrp-status>
    <gvrp-dynamic-vlan>
      gvrp-dynamic-vlan
    </gvrp-dynamic-vlan>
    <gvrp-maximum-vlan>
      gvrp-maximum-vlan
    </gvrp-maximum-vlan>
    <gvrp-join-timer>
      gvrp-join-timer
    </gvrp-join-timer>
    <gvrp-leave-timer>
      gvrp-leave-timer
    </gvrp-leave-timer>
    <gvrp-leaveall-timer>
      gvrp-leaveall-timer
    </gvrp-leaveall-timer>
    <gvrp-interface-information>....</gvrp-interface-information>
  </gvrp-information>
</gvrp>
```

### Description

## <gvrp-interface-information>

### Usage

```
<gvrp>
  <gvrp-information>
    <gvrp-interface-information>
      <gvrp-interface-name>
        gvrp-interface-name
      </gvrp-interface-name>
      <gvrp-interface-status>
        gvrp-interface-status
      </gvrp-interface-status>
    </gvrp-interface-information>
  </gvrp-information>
</gvrp>
```

### Description

## <gvrp-statistics>

### Usage

```
<gvrp>
  <gvrp-statistics>
    <join-empty-received>
```



```

    join-empty-received
  </join-empty-received>
  <join-in-received>
    join-in-received
  </join-in-received>
  <empty-received>
    empty-received
  </empty-received>
  <leave-in-received>
    leave-in-received
  </leave-in-received>
  <leave-empty-received>
    leave-empty-received
  </leave-empty-received>
  <leave-all-received>
    leave-all-received
  </leave-all-received>
  <join-empty-transmit>
    join-empty-transmit
  </join-empty-transmit>
  <join-in-transmit>
    join-in-transmit
  </join-in-transmit>
  <empty-transmit>
    empty-transmit
  </empty-transmit>
  <leave-in-transmit>
    leave-in-transmit
  </leave-in-transmit>
  <leave-empty-transmit>
    leave-empty-transmit
  </leave-empty-transmit>
  <leave-all-transmit>
    leave-all-transmit
  </leave-all-transmit>
</gvrp-statistics>
</gvrp>

```

#### Description

<gvrp-timers>

#### Usage

```

<gvrp>
  <gvrp-timers>
    <join-timer>
      join-timer
    </join-timer>
    <leave-timer>
      leave-timer
    </leave-timer>
    <leaveall-timer>
      leaveall-timer
    </leaveall-timer>
  </gvrp-timers>

```

```
</gvrp>
```

#### Description

**<interface>**

#### Usage

```
<interface>
  <interface-name>
    interface-name
  </interface-name>
  <interface-id>
    interface-id
  </interface-id>
  <interface-port-mode>
    interface-port-mode
  </interface-port-mode>
  <interface-mac-count>
    interface-mac-count
  </interface-mac-count>
  <interface-native-vlan-name>
    interface-native-vlan-name
  </interface-native-vlan-name>
  <interface-mac-learning-mode>
    interface-mac-learning-mode
  </interface-mac-learning-mode>
  <interface-reflective-relay-mode>
    interface-reflective-relay-mode
  </interface-reflective-relay-mode>
  <interface-error>
    interface-error
  </interface-error>
  <interface-ether-type>
    interface-ether-type
  </interface-ether-type>
  <interface-vlan-member-list>....</interface-vlan-member-list>
  <interface-state>
    interface-state
  </interface-state>
</interface>
```

#### Description

**<interface>**

#### Usage

```
<switching-interface-information>
  <interface>
    <interface-name>
      interface-name
    </interface-name>
    <interface-id>
      interface-id
    </interface-id>
```

```

<interface-port-mode>
  interface-port-mode
</interface-port-mode>
<interface-mac-count>
  interface-mac-count
</interface-mac-count>
<interface-native-vlan-name>
  interface-native-vlan-name
</interface-native-vlan-name>
<interface-mac-learning-mode>
  interface-mac-learning-mode
</interface-mac-learning-mode>
<interface-reflective-relay-mode>
  interface-reflective-relay-mode
</interface-reflective-relay-mode>
<interface-error>
  interface-error
</interface-error>
<interface-ether-type>
  interface-ether-type
</interface-ether-type>
<interface-vlan-member-list>....</interface-vlan-member-list>
<interface-state>
  interface-state
</interface-state>
</interface>
</switching-interface-information>

```

## Description

### <interface-vlan-member>

#### Usage

```

<interface>
  <interface-vlan-member-list>
    <interface-vlan-member>
      <interface-vlan-name>
        interface-vlan-name
      </interface-vlan-name>
      <interface-vlan-dot1q-tunneling>
        interface-vlan-dot1q-tunneling
      </interface-vlan-dot1q-tunneling>
      <interface-mapping-operation>
        interface-mapping-operation
      </interface-mapping-operation>
      <interface-mapping-tag>
        interface-mapping-tag
      </interface-mapping-tag>
      <interface-vlan-member-tagness>
        interface-vlan-member-tagness
      </interface-vlan-member-tagness>
      <interface-vlan-member-tagid>
        interface-vlan-member-tagid
      </interface-vlan-member-tagid>
      <interface-vlan-mac>

```

```
    interface-vlan-mac
  </interface-vlan-mac>
  <interface-msti-id>
    interface-msti-id
  </interface-msti-id>
  <blocking-status>
    blocking-status
  </blocking-status>
  <port-error-disable-time>
    port-error-disable-time
  </port-error-disable-time>
</interface-vlan-member>
</interface-vlan-member-list>
</interface>
```

## Description

### <interface-vlan-member>

#### Usage

```
<switching-interface-information>
<interface>
  <interface-vlan-member-list>
    <interface-vlan-member>
      <interface-vlan-name>
        interface-vlan-name
      </interface-vlan-name>
      <interface-vlan-dot1q-tunneling>
        interface-vlan-dot1q-tunneling
      </interface-vlan-dot1q-tunneling>
      <interface-mapping-operation>
        interface-mapping-operation
      </interface-mapping-operation>
      <interface-mapping-tag>
        interface-mapping-tag
      </interface-mapping-tag>
      <interface-vlan-member-tagness>
        interface-vlan-member-tagness
      </interface-vlan-member-tagness>
      <interface-vlan-member-tagid>
        interface-vlan-member-tagid
      </interface-vlan-member-tagid>
      <interface-vlan-mac>
        interface-vlan-mac
      </interface-vlan-mac>
      <interface-msti-id>
        interface-msti-id
      </interface-msti-id>
      <blocking-status>
        blocking-status
      </blocking-status>
      <port-error-disable-time>
        port-error-disable-time
      </port-error-disable-time>
    </interface-vlan-member>
```

```

    </interface-vlan-member-list>
  </interface>
</switching-interface-information>

```

#### Description

### <interface-vlan-member-list>

#### Usage

```

<interface>
  <interface-vlan-member-list>
    <interface-protocol-mode>
      interface-protocol-mode
    </interface-protocol-mode>
    <interface-vlan-member>....</interface-vlan-member>
  </interface-vlan-member-list>
</interface>

```

#### Description

### <interface-vlan-member-list>

#### Usage

```

<switching-interface-information>
  <interface>
    <interface-vlan-member-list>
      <interface-protocol-mode>
        interface-protocol-mode
      </interface-protocol-mode>
      <interface-vlan-member>....</interface-vlan-member>
    </interface-vlan-member-list>
  </interface>
</switching-interface-information>

```

#### Description

### <ip-source-guard>

#### Usage

```

<ip-source-guard>
  <ip-source-guard-information>....</ip-source-guard-information>
</ip-source-guard>

```

#### Description

### <ip-source-guard-information>

#### Usage

```

<ip-source-guard>
  <ip-source-guard-information>
    <ipsg-vlan>
      ipsg-vlan

```

```
</ipsg-vlan>
<ipsg-vlan-tag>
  ipsg-vlan-tag
</ipsg-vlan-tag>
<ipsg-interface>
  ipsg-interface
</ipsg-interface>
<ipsg-mac>
  ipsg-mac
</ipsg-mac>
<ipsg-ip>
  ipsg-ip
</ipsg-ip>
</ip-source-guard-information>
</ip-source-guard>
```

#### Description

### <krt-queue-all-entry>

#### Usage

```
<krt-queue-all-entry>
<krt-queue-entry>....</krt-queue-entry>
<krt-queue-entry-type>
  krt-queue-entry-type
</krt-queue-entry-type>
</krt-queue-all-entry>
```

#### Description

### <krt-queue-analyzer-information>

#### Usage

```
<krt-queue-analyzer-information>
<krt-queue-entry>....</krt-queue-entry>
<krt-queue-analyzer-name>
  krt-queue-analyzer-name
</krt-queue-analyzer-name>
</krt-queue-analyzer-information>
```

#### Description

### <krt-queue-dhcp-information>

#### Usage

```
<krt-queue-dhcp-information>
<krt-queue-entry>....</krt-queue-entry>
<krt-queue-dhcp-mac>
  krt-queue-dhcp-mac
</krt-queue-dhcp-mac>
<krt-queue-dhcp-ip>
  krt-queue-dhcp-ip
</krt-queue-dhcp-ip>
```

```

<krt-queue-dhcp-lease>
  krt-queue-dhcp-lease
</krt-queue-dhcp-lease>
<krt-queue-dhcp-type>
  krt-queue-dhcp-type
</krt-queue-dhcp-type>
<krt-queue-dhcp-vlan-name>
  krt-queue-dhcp-vlan-name
</krt-queue-dhcp-vlan-name>
<krt-queue-dhcp-interface-name>
  krt-queue-dhcp-interface-name
</krt-queue-dhcp-interface-name>
</krt-queue-dhcp-information>

```

#### Description

<krt-queue-entry>

#### Usage

```

<krt-queue-entry>
  <krt-queue-deferred>
    krt-queue-deferred
  </krt-queue-deferred>
  <krt-queue-operation>
    krt-queue-operation
  </krt-queue-operation>
  <krt-queue-last-error>
    krt-queue-last-error
  </krt-queue-last-error>
</krt-queue-entry>

```

#### Description

<krt-queue-entry>

#### Usage

```

<krt-queue-all-entry>
  <krt-queue-entry>
    <krt-queue-deferred>
      krt-queue-deferred
    </krt-queue-deferred>
    <krt-queue-operation>
      krt-queue-operation
    </krt-queue-operation>
    <krt-queue-last-error>
      krt-queue-last-error
    </krt-queue-last-error>
  </krt-queue-entry>
</krt-queue-all-entry>

```

#### Description

## <krt-queue-entry>

### Usage

```
<krt-queue-dhcp-information>
  <krt-queue-entry>
    <krt-queue-deferred>
      krt-queue-deferred
    </krt-queue-deferred>
    <krt-queue-operation>
      krt-queue-operation
    </krt-queue-operation>
    <krt-queue-last-error>
      krt-queue-last-error
    </krt-queue-last-error>
  </krt-queue-entry>
</krt-queue-dhcp-information>
```

### Description

## <krt-queue-entry>

### Usage

```
<krt-queue-vlan-information>
  <krt-queue-entry>
    <krt-queue-deferred>
      krt-queue-deferred
    </krt-queue-deferred>
    <krt-queue-operation>
      krt-queue-operation
    </krt-queue-operation>
    <krt-queue-last-error>
      krt-queue-last-error
    </krt-queue-last-error>
  </krt-queue-entry>
</krt-queue-vlan-information>
```

### Description

## <krt-queue-entry>

### Usage

```
<krt-queue-analyzer-information>
  <krt-queue-entry>
    <krt-queue-deferred>
      krt-queue-deferred
    </krt-queue-deferred>
    <krt-queue-operation>
      krt-queue-operation
    </krt-queue-operation>
    <krt-queue-last-error>
      krt-queue-last-error
    </krt-queue-last-error>
  </krt-queue-entry>
```



```
</krt-queue-analyzer-information>
```

#### Description

**<krt-queue-entry>**

#### Usage

```
<krt-queue-nh-information>
  <krt-queue-entry>
    <krt-queue-deferred>
      krt-queue-deferred
    </krt-queue-deferred>
    <krt-queue-operation>
      krt-queue-operation
    </krt-queue-operation>
    <krt-queue-last-error>
      krt-queue-last-error
    </krt-queue-last-error>
  </krt-queue-entry>
</krt-queue-nh-information>
```

#### Description

**<krt-queue-entry>**

#### Usage

```
<krt-queue-fdb-information>
  <krt-queue-entry>
    <krt-queue-deferred>
      krt-queue-deferred
    </krt-queue-deferred>
    <krt-queue-operation>
      krt-queue-operation
    </krt-queue-operation>
    <krt-queue-last-error>
      krt-queue-last-error
    </krt-queue-last-error>
  </krt-queue-entry>
</krt-queue-fdb-information>
```

#### Description

**<krt-queue-entry>**

#### Usage

```
<krt-queue-vclass-information>
  <krt-queue-entry>
    <krt-queue-deferred>
      krt-queue-deferred
    </krt-queue-deferred>
    <krt-queue-operation>
      krt-queue-operation
    </krt-queue-operation>
```

```
<krt-queue-last-error>
  krt-queue-last-error
</krt-queue-last-error>
</krt-queue-entry>
</krt-queue-vclass-information>
```

#### Description

### <krt-queue-fdb-information>

#### Usage

```
<krt-queue-fdb-information>
  <krt-queue-entry>....</krt-queue-entry>
  <krt-queue-fdb-vlan-index>
    krt-queue-fdb-vlan-index
  </krt-queue-fdb-vlan-index>
  <krt-queue-fdb-mac>
    krt-queue-fdb-mac
  </krt-queue-fdb-mac>
  <krt-queue-fdb-vlan-name>
    krt-queue-fdb-vlan-name
  </krt-queue-fdb-vlan-name>
  <krt-queue-fdb-nh-index>
    krt-queue-fdb-nh-index
  </krt-queue-fdb-nh-index>
</krt-queue-fdb-information>
```

#### Description

### <krt-queue-nh-information>

#### Usage

```
<krt-queue-nh-information>
  <krt-queue-entry>....</krt-queue-entry>
  <krt-queue-nh-index>
    krt-queue-nh-index
  </krt-queue-nh-index>
  <krt-queue-nh-type>
    krt-queue-nh-type
  </krt-queue-nh-type>
  <krt-queue-nh-local-index>
    krt-queue-nh-local-index
  </krt-queue-nh-local-index>
</krt-queue-nh-information>
```

#### Description

### <krt-queue-vclass-information>

#### Usage

```
<krt-queue-vclass-information>
  <krt-queue-entry>....</krt-queue-entry>
  <krt-queue-vclass-vlan>
```

```

    krt-queue-vclass-vlan
  </krt-queue-vclass-vlan>
  <krt-queue-vclass-oldvlan>
    krt-queue-vclass-oldvlan
  </krt-queue-vclass-oldvlan>
</krt-queue-vclass-information>

```

#### Description

### <krt-queue-vlan-information>

#### Usage

```

<krt-queue-vlan-information>
  <krt-queue-entry>....</krt-queue-entry>
  <krt-queue-vlan-name>
    krt-queue-vlan-name
  </krt-queue-vlan-name>
</krt-queue-vlan-information>

```

#### Description

### <l3-nexthop>

#### Usage

```

<l3-nexthop>
  <l3-nexthop-index>
    l3-nexthop-index
  </l3-nexthop-index>
  <l3nh-interface>
    l3nh-interface
  </l3nh-interface>
  <l3nh-mac>
    l3nh-mac
  </l3nh-mac>
  <l3nh-l2nh>
    l3nh-l2nh
  </l3nh-l2nh>
</l3-nexthop>

```

#### Description

### <l3-nexthop>

#### Usage

```

<l3-nexthop-information>
  <l3-nexthop>
    <l3-nexthop-index>
      l3-nexthop-index
    </l3-nexthop-index>
    <l3nh-interface>
      l3nh-interface
    </l3nh-interface>
    <l3nh-mac>

```

```
    l3nh-mac
  </l3nh-mac>
  <l3nh-l2nh>
    l3nh-l2nh
  </l3nh-l2nh>
</l3-nexthop>
</l3-nexthop-information>
```

#### Description

### <l3-nexthop-information>

#### Usage

```
<l3-nexthop-information>
  <l3-nexthop>....</l3-nexthop>
</l3-nexthop-information>
```

#### Description

### <layer2-protocol-tunneling-interface-entry>

#### Usage

```
<layer2-protocol-tunneling-interface-information>
  <layer2-protocol-tunneling-interface-entry>
    <l2pt-interface>
      l2pt-interface
    </l2pt-interface>
    <l2pt-operation>
      l2pt-operation
    </l2pt-operation>
    <l2pt-state>
      l2pt-state
    </l2pt-state>
    <l2pt-state-description>
      l2pt-state-description
    </l2pt-state-description>
  </layer2-protocol-tunneling-interface-entry>
</layer2-protocol-tunneling-interface-information>
```

#### Description

### <layer2-protocol-tunneling-interface-information>

#### Usage

```
<layer2-protocol-tunneling-interface-information>

  <layer2-protocol-tunneling-interface-entry>....</layer2-protocol-tunneling-interface-entry>

</layer2-protocol-tunneling-interface-information>
```

#### Description

## <layer2-protocol-tunneling-statistics>

### Usage

```

<layer2-protocol-tunneling-statistics>
  <layer2-protocol-tunneling-statistics-entry> .... </layer2-protocol-tunneling-statistics-entry>
</layer2-protocol-tunneling-statistics>

```

### Description

## <layer2-protocol-tunneling-statistics-entry>

### Usage

```

<layer2-protocol-tunneling-statistics>
  <layer2-protocol-tunneling-statistics-entry>
    <l2pt-statistics-vlan>
      l2pt-statistics-vlan
    </l2pt-statistics-vlan>
    <l2pt-statistics-interface>
      l2pt-statistics-interface
    </l2pt-statistics-interface>
    <l2pt-statistics-protocol>
      l2pt-statistics-protocol
    </l2pt-statistics-protocol>
    <l2pt-statistics-operation>
      l2pt-statistics-operation
    </l2pt-statistics-operation>
    <l2pt-statistics-packets>
      l2pt-statistics-packets
    </l2pt-statistics-packets>
    <l2pt-statistics-drops>
      l2pt-statistics-drops
    </l2pt-statistics-drops>
    <l2pt-statistics-shutdowns>
      l2pt-statistics-shutdowns
    </l2pt-statistics-shutdowns>
  </layer2-protocol-tunneling-statistics-entry>
</layer2-protocol-tunneling-statistics>

```

### Description

## <layer2-protocol-tunneling-vlan-entry>

### Usage

```

<layer2-protocol-tunneling-vlan-information>
  <layer2-protocol-tunneling-vlan-entry>
    <l2pt-vlan>
      l2pt-vlan
    </l2pt-vlan>
    <l2pt-protocol>
      l2pt-protocol
    </l2pt-protocol>
  </layer2-protocol-tunneling-vlan-entry>

```

```
<l2pt-drop-threshold>
  l2pt-drop-threshold
</l2pt-drop-threshold>
<l2pt-shutdown-threshold>
  l2pt-shutdown-threshold
</l2pt-shutdown-threshold>
</layer2-protocol-tunneling-vlan-entry>
</layer2-protocol-tunneling-vlan-information>
```

#### Description

### <layer2-protocol-tunneling-vlan-information>

#### Usage

```
<layer2-protocol-tunneling-vlan-information>
<layer2-protocol-tunneling-vlan-entry>....</layer2-protocol-tunneling-vlan-entry>

</layer2-protocol-tunneling-vlan-information>
```

#### Description

### <mac-based-vlan-member-list>

#### Usage

```
<mac-based-vlan-member-list>
<mac-based-vlan-member>
  mac-based-vlan-member
</mac-based-vlan-member>
</mac-based-vlan-member-list>
```

#### Description

### <mac-based-vlan-member-list>

#### Usage

```
<vlan>
<vlan-detail>
  <mac-based-vlan-member-list>
    <mac-based-vlan-member>
      mac-based-vlan-member
    </mac-based-vlan-member>
  </mac-based-vlan-member-list>
</vlan-detail>
</vlan>
```

#### Description

### <mac-based-vlan-member-list>

#### Usage

```
<vlan-information>
<vlan>
```

```

<vlan-detail>
  <mac-based-vlan-member-list>
    <mac-based-vlan-member>
      mac-based-vlan-member
    </mac-based-vlan-member>
  </mac-based-vlan-member-list>
</vlan-detail>
</vlan>
</vlan-information>

```

#### Description

<mac-interfaces-list>

#### Usage

```

<mac-interfaces-list>
  <mac-interfaces>
    mac-interfaces
  </mac-interfaces>
  <mac-tags>
    mac-tags
  </mac-tags>
</mac-interfaces-list>

```

#### Description

<mac-interfaces-list>

#### Usage

```

<mac-table-entry>
  <mac-interfaces-list>
    <mac-interfaces>
      mac-interfaces
    </mac-interfaces>
    <mac-tags>
      mac-tags
    </mac-tags>
  </mac-interfaces-list>
</mac-table-entry>

```

#### Description

<mac-interfaces-list>

#### Usage

```

<ethernet-switching-table>
  <mac-table-entry>
    <mac-interfaces-list>
      <mac-interfaces>
        mac-interfaces
      </mac-interfaces>
      <mac-tags>
        mac-tags
      </mac-tags>
    </mac-table-entry>
  </ethernet-switching-table>

```

```
</mac-tags>
</mac-interfaces-list>
</mac-table-entry>
</ethernet-switching-table>
```

#### Description

### <mac-interfaces-list>

#### Usage

```
<ethernet-switching-table-information>
  <ethernet-switching-table>
    <mac-table-entry>
      <mac-interfaces-list>
        <mac-interfaces>
          mac-interfaces
        </mac-interfaces>
      <mac-tags>
        mac-tags
      </mac-tags>
    </mac-interfaces-list>
  </mac-table-entry>
</ethernet-switching-table>
</ethernet-switching-table-information>
```

#### Description

### <mac-statistics>

#### Usage

```
<mac-statistics>
  <learning-interface>
    learning-interface
  </learning-interface>
  <received-local>
    received-local
  </received-local>
  <received-transit>
    received-transit
  </received-transit>
  <received-error>
    received-error
  </received-error>
  <invalid-vlan>
    invalid-vlan
  </invalid-vlan>
  <invalid-mac>
    invalid-mac
  </invalid-mac>
  <security-violation>
    security-violation
  </security-violation>
  <interface-down>
    interface-down
```



```

</interface-down>
<not-member>
  not-member
</not-member>
<interface-limit-exceeded>
  interface-limit-exceeded
</interface-limit-exceeded>
<mac-move-limit-exceeded>
  mac-move-limit-exceeded
</mac-move-limit-exceeded>
<vlan-limit-exceeded>
  vlan-limit-exceeded
</vlan-limit-exceeded>
<invalid-vlan-index>
  invalid-vlan-index
</invalid-vlan-index>
<interface-not-learning>
  interface-not-learning
</interface-not-learning>
<no-nexthop>
  no-nexthop
</no-nexthop>
<interface-no-learning>
  interface-no-learning
</interface-no-learning>
<others>
  others
</others>
</mac-statistics>

```

**Description** MAC learning statistics

## <mac-statistics>

### Usage

```

<ethernet-switching-learning-stats>
  <mac-statistics>
    <learning-interface>
      learning-interface
    </learning-interface>
    <received-local>
      received-local
    </received-local>
    <received-transit>
      received-transit
    </received-transit>
    <received-error>
      received-error
    </received-error>
    <invalid-vlan>
      invalid-vlan
    </invalid-vlan>
    <invalid-mac>
      invalid-mac

```

```
</invalid-mac>
<security-violation>
  security-violation
</security-violation>
<interface-down>
  interface-down
</interface-down>
<not-member>
  not-member
</not-member>
<interface-limit-exceeded>
  interface-limit-exceeded
</interface-limit-exceeded>
<mac-move-limit-exceeded>
  mac-move-limit-exceeded
</mac-move-limit-exceeded>
<vlan-limit-exceeded>
  vlan-limit-exceeded
</vlan-limit-exceeded>
<invalid-vlan-index>
  invalid-vlan-index
</invalid-vlan-index>
<interface-not-learning>
  interface-not-learning
</interface-not-learning>
<no-nexthop>
  no-nexthop
</no-nexthop>
<interface-no-learning>
  interface-no-learning
</interface-no-learning>
<others>
  others
</others>
</mac-statistics>
</ethernet-switching-learning-stats>
```

**Description** MAC learning statistics

### <mac-statistics>

#### Usage

```
<ethernet-switching-statistics>
<ethernet-switching-learning-stats>
  <mac-statistics>
    <learning-interface>
      learning-interface
    </learning-interface>
    <received-local>
      received-local
    </received-local>
    <received-transit>
      received-transit
    </received-transit>
```

```

<received-error>
  received-error
</received-error>
<invalid-vlan>
  invalid-vlan
</invalid-vlan>
<invalid-mac>
  invalid-mac
</invalid-mac>
<security-violation>
  security-violation
</security-violation>
<interface-down>
  interface-down
</interface-down>
<not-member>
  not-member
</not-member>
<interface-limit-exceeded>
  interface-limit-exceeded
</interface-limit-exceeded>
<mac-move-limit-exceeded>
  mac-move-limit-exceeded
</mac-move-limit-exceeded>
<vlan-limit-exceeded>
  vlan-limit-exceeded
</vlan-limit-exceeded>
<invalid-vlan-index>
  invalid-vlan-index
</invalid-vlan-index>
<interface-not-learning>
  interface-not-learning
</interface-not-learning>
<no-nexthop>
  no-nexthop
</no-nexthop>
<interface-no-learning>
  interface-no-learning
</interface-no-learning>
<others>
  others
</others>
</mac-statistics>
</ethernet-switching-learning-stats>
</ethernet-switching-statistics>

```

**Description** MAC learning statistics

### <mac-table-entry>

#### Usage

```

<mac-table-entry>
  <mac-vlan>
    mac-vlan

```

```
</mac-vlan>
<mac-vlan-tag>
  mac-vlan-tag
</mac-vlan-tag>
<mac-address>
  mac-address
</mac-address>
<mac-interface>
  mac-interface
</mac-interface>
<mac-type>
  mac-type
</mac-type>
<mac-age>
  mac-age
</mac-age>
<mac-interfaces-list>....</mac-interfaces-list>
<mac-entry-flags>
  mac-entry-flags
</mac-entry-flags>
<mac-learned-time>
  mac-learned-time
</mac-learned-time>
<mac-nexthop>
  mac-nexthop
</mac-nexthop>
<mac-table-total-count>
  mac-table-total-count
</mac-table-total-count>
<mac-table-unknown-unicast-count>
  mac-table-unknown-unicast-count
</mac-table-unknown-unicast-count>
<mac-table-dot1x-count>
  mac-table-dot1x-count
</mac-table-dot1x-count>
<mac-table-dynamic-count>
  mac-table-dynamic-count
</mac-table-dynamic-count>
<mac-table-static-count>
  mac-table-static-count
</mac-table-static-count>
<mac-table-flood-count>
  mac-table-flood-count
</mac-table-flood-count>
<mac-table-derived-count>
  mac-table-derived-count
</mac-table-derived-count>
<mac-table-incomplete-count>
  mac-table-incomplete-count
</mac-table-incomplete-count>
<mac-table-recieve-count>
  mac-table-recieve-count
</mac-table-recieve-count>
</mac-table-entry>
```

Description    MAC table

## <mac-table-entry>

### Usage

```
<ethernet-switching-table>
  <mac-table-entry>
    <mac-vlan>
      mac-vlan
    </mac-vlan>
    <mac-vlan-tag>
      mac-vlan-tag
    </mac-vlan-tag>
    <mac-address>
      mac-address
    </mac-address>
    <mac-interface>
      mac-interface
    </mac-interface>
    <mac-type>
      mac-type
    </mac-type>
    <mac-age>
      mac-age
    </mac-age>
    <mac-interfaces-list>....</mac-interfaces-list>
    <mac-entry-flags>
      mac-entry-flags
    </mac-entry-flags>
    <mac-learned-time>
      mac-learned-time
    </mac-learned-time>
    <mac-nexthop>
      mac-nexthop
    </mac-nexthop>
    <mac-table-total-count>
      mac-table-total-count
    </mac-table-total-count>
    <mac-table-unknown-unicast-count>
      mac-table-unknown-unicast-count
    </mac-table-unknown-unicast-count>
    <mac-table-dot1x-count>
      mac-table-dot1x-count
    </mac-table-dot1x-count>
    <mac-table-dynamic-count>
      mac-table-dynamic-count
    </mac-table-dynamic-count>
    <mac-table-static-count>
      mac-table-static-count
    </mac-table-static-count>
    <mac-table-flood-count>
      mac-table-flood-count
    </mac-table-flood-count>
    <mac-table-derived-count>
      mac-table-derived-count
```

```
</mac-table-derived-count>
<mac-table-incomplete-count>
  mac-table-incomplete-count
</mac-table-incomplete-count>
<mac-table-recieve-count>
  mac-table-recieve-count
</mac-table-recieve-count>
</mac-table-entry>
</ethernet-switching-table>
```

**Description**    MAC table

### <mac-table-entry>

#### Usage

```
<ethernet-switching-table-information>
<ethernet-switching-table>
  <mac-table-entry>
    <mac-vlan>
      mac-vlan
    </mac-vlan>
    <mac-vlan-tag>
      mac-vlan-tag
    </mac-vlan-tag>
    <mac-address>
      mac-address
    </mac-address>
    <mac-interface>
      mac-interface
    </mac-interface>
    <mac-type>
      mac-type
    </mac-type>
    <mac-age>
      mac-age
    </mac-age>
    <mac-interfaces-list>....</mac-interfaces-list>
    <mac-entry-flags>
      mac-entry-flags
    </mac-entry-flags>
    <mac-learned-time>
      mac-learned-time
    </mac-learned-time>
    <mac-nexthop>
      mac-nexthop
    </mac-nexthop>
    <mac-table-total-count>
      mac-table-total-count
    </mac-table-total-count>
    <mac-table-unknown-unicast-count>
      mac-table-unknown-unicast-count
    </mac-table-unknown-unicast-count>
    <mac-table-dot1x-count>
      mac-table-dot1x-count
```

```

</mac-table-dot1x-count>
<mac-table-dynamic-count>
  mac-table-dynamic-count
</mac-table-dynamic-count>
<mac-table-static-count>
  mac-table-static-count
</mac-table-static-count>
<mac-table-flood-count>
  mac-table-flood-count
</mac-table-flood-count>
<mac-table-derived-count>
  mac-table-derived-count
</mac-table-derived-count>
<mac-table-incomplete-count>
  mac-table-incomplete-count
</mac-table-incomplete-count>
<mac-table-recieve-count>
  mac-table-recieve-count
</mac-table-recieve-count>
</mac-table-entry>
</ethernet-switching-table>
</ethernet-switching-table-information>

```

**Description** MAC table

## <msti-bridge-parameters>

### Usage

```

<msti-bridge-parameters>
  <msti-id>
    msti-id
  </msti-id>
  <msti-regional-root-bridge>....</msti-regional-root-bridge>
  <root-port>
    root-port
  </root-port>
  <root-cost>
    root-cost
  </root-cost>
  <hello-time-learned>
    hello-time-learned
  </hello-time-learned>
  <max-age-learned>
    max-age-learned
  </max-age-learned>
  <forward-delay-learned>
    forward-delay-learned
  </forward-delay-learned>
  <maximum-hop-count-configured>
    maximum-hop-count-configured
  </maximum-hop-count-configured>
  <hop-count>
    hop-count
  </hop-count>

```

```
<time-since-last-tc>....</time-since-last-tc>
<topology-change-count>
  topology-change-count
</topology-change-count>
<topology-change-initiator>
  topology-change-initiator
</topology-change-initiator>
<topology-change-last-received-from>
  topology-change-last-received-from
</topology-change-last-received-from>
<extended-system-id>
  extended-system-id
</extended-system-id>
<internal-instance-id>
  internal-instance-id
</internal-instance-id>
<this-bridge>....</this-bridge>
<hello-time-configured>
  hello-time-configured
</hello-time-configured>
<max-age-configured>
  max-age-configured
</max-age-configured>
<forward-delay-configured>
  forward-delay-configured
</forward-delay-configured>
<time-since-last-topology-change>
  time-since-last-topology-change
</time-since-last-topology-change>
<path-cost-method>
  path-cost-method
</path-cost-method>
</msti-bridge-parameters>
```

**Description** STP bridge parameters for multiple spanning tree instances

### <msti-bridge-parameters>

#### Usage

```
<stp-bridge>
<msti-bridge-parameters>
  <msti-id>
    msti-id
  </msti-id>
  <msti-regional-root-bridge>....</msti-regional-root-bridge>
  <root-port>
    root-port
  </root-port>
  <root-cost>
    root-cost
  </root-cost>
  <hello-time-learned>
    hello-time-learned
  </hello-time-learned>
```



```

<max-age-learned>
  max-age-learned
</max-age-learned>
<forward-delay-learned>
  forward-delay-learned
</forward-delay-learned>
<maximum-hop-count-configured>
  maximum-hop-count-configured
</maximum-hop-count-configured>
<hop-count>
  hop-count
</hop-count>
<time-since-last-tc>....</time-since-last-tc>
<topology-change-count>
  topology-change-count
</topology-change-count>
<topology-change-initiator>
  topology-change-initiator
</topology-change-initiator>
<topology-change-last-received-from>
  topology-change-last-received-from
</topology-change-last-received-from>
<extended-system-id>
  extended-system-id
</extended-system-id>
<internal-instance-id>
  internal-instance-id
</internal-instance-id>
<this-bridge>....</this-bridge>
<hello-time-configured>
  hello-time-configured
</hello-time-configured>
<max-age-configured>
  max-age-configured
</max-age-configured>
<forward-delay-configured>
  forward-delay-configured
</forward-delay-configured>
<time-since-last-topology-change>
  time-since-last-topology-change
</time-since-last-topology-change>
<path-cost-method>
  path-cost-method
</path-cost-method>
</msti-bridge-parameters>
</stp-bridge>

```

**Description** STP bridge parameters for multiple spanning tree instances

### <msti-regional-root-bridge>

#### Usage

```

<msti-bridge-parameters>
  <msti-regional-root-bridge>

```

```
<bridge-priority>
  bridge-priority
</bridge-priority>
<bridge-mac>
  bridge-mac
</bridge-mac>
</msti-regional-root-bridge>
</msti-bridge-parameters>
```

**Description** MSTI regional root identifier

### <msti-regional-root-bridge>

#### Usage

```
<stp-bridge>
<msti-bridge-parameters>
  <msti-regional-root-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </msti-regional-root-bridge>
</msti-bridge-parameters>
</stp-bridge>
```

**Description** MSTI regional root identifier

### <mstp-configuration>

#### Usage

```
<mstp-configuration>
  <context-id>
    context-id
  </context-id>
  <mstp-name>
    mstp-name
  </mstp-name>
  <mstp-revision>
    mstp-revision
  </mstp-revision>
  <mstp-configuration-digest>
    mstp-configuration-digest
  </mstp-configuration-digest>
  <vlan-map>....</vlan-map>
</mstp-configuration>
```

**Description** MSTP information

## <mvrp>

### Usage

```

<mvrp>
  <mvrp-information>....</mvrp-information>
  <mvrp-vlans>....</mvrp-vlans>
  <mvrp-dynamic-vlan-information>....</mvrp-dynamic-vlan-information>
  <mvrp-statistics>....</mvrp-statistics>
</mvrp>

```

### Description

## <mvrp-dynamic-vlan-information>

### Usage

```

<mvrp>
  <mvrp-dynamic-vlan-information>
    <mvrp-vmember-vlanname>
      mvrp-vmember-vlanname
    </mvrp-vmember-vlanname>
    <mvrp-dynamic-vmembers>....</mvrp-dynamic-vmembers>
  </mvrp-dynamic-vlan-information>
</mvrp>

```

### Description

## <mvrp-dynamic-vmember-information>

### Usage

```

<mvrp>
  <mvrp-vlans>
    <mvrp-dynamic-vmember-information>
      <mvrp-vmember-name>
        mvrp-vmember-name
      </mvrp-vmember-name>
    </mvrp-dynamic-vmember-information>
  </mvrp-vlans>
</mvrp>

```

### Description

## <mvrp-dynamic-vmembers>

### Usage

```

<mvrp>
  <mvrp-dynamic-vlan-information>
    <mvrp-dynamic-vmembers>
      <mvrp-vmember-interface>
        mvrp-vmember-interface
      </mvrp-vmember-interface>
    </mvrp-dynamic-vmembers>
  </mvrp-dynamic-vlan-information>

```

```
</mvrp>
```

#### Description

### <mvrp-information>

#### Usage

```
<mvrp>
  <mvrp-information>
    <mvrp-status>
      mvrp-status
    </mvrp-status>
    <mvrp-dynamic-vlan>
      mvrp-dynamic-vlan
    </mvrp-dynamic-vlan>
    <mvrp-intf-timers>....</mvrp-intf-timers>
    <mvrp-interface-information>....</mvrp-interface-information>
  </mvrp-information>
</mvrp>
```

#### Description

### <mvrp-interface-information>

#### Usage

```
<mvrp>
  <mvrp-information>
    <mvrp-interface-information>
      <mvrp-interface-name>
        mvrp-interface-name
      </mvrp-interface-name>
      <mvrp-interface-status>
        mvrp-interface-status
      </mvrp-interface-status>
      <mvrp-interface-reg-ctrl>
        mvrp-interface-reg-ctrl
      </mvrp-interface-reg-ctrl>
    </mvrp-interface-information>
  </mvrp-information>
</mvrp>
```

#### Description

### <mvrp-intf-timers>

#### Usage

```
<mvrp>
  <mvrp-information>
    <mvrp-intf-timers>
      <mvrp-tmr-intf>
        mvrp-tmr-intf
      </mvrp-tmr-intf>
    <mvrp-tmr-join>
```

```

    mvrp-tmr-join
  </mvrp-tmr-join>
  <mvrp-tmr-leave>
    mvrp-tmr-leave
  </mvrp-tmr-leave>
  <mvrp-tmr-leaveall>
    mvrp-tmr-leaveall
  </mvrp-tmr-leaveall>
</mvrp-intf-timers>
</mvrp-information>
</mvrp>

```

## Description

### <mvrp-statistics>

#### Usage

```

<mvrp>
  <mvrp-statistics>
    <mvrp-statistics-interface-name>
      mvrp-statistics-interface-name
    </mvrp-statistics-interface-name>
    <mrpdu-received>
      mrpdu-received
    </mrpdu-received>
    <mrp-invalid-received>
      mrp-invalid-received
    </mrp-invalid-received>
    <mrp-new-received>
      mrp-new-received
    </mrp-new-received>
    <mrp-join-empty-received>
      mrp-join-empty-received
    </mrp-join-empty-received>
    <mrp-join-in-received>
      mrp-join-in-received
    </mrp-join-in-received>
    <mrp-empty-received>
      mrp-empty-received
    </mrp-empty-received>
    <mrp-in-received>
      mrp-in-received
    </mrp-in-received>
    <mrp-leave-received>
      mrp-leave-received
    </mrp-leave-received>
    <mrp-leaveall-received>
      mrp-leaveall-received
    </mrp-leaveall-received>
    <mrpdu-transmit>
      mrpdu-transmit
    </mrpdu-transmit>
    <mrpdu-tx-fail>
      mrpdu-tx-fail
    </mrpdu-tx-fail>
  </mvrp-statistics>
</mvrp>

```

```
<mrp-new-transmit>
  mrp-new-transmit
</mrp-new-transmit>
<mrp-join-empty-transmit>
  mrp-join-empty-transmit
</mrp-join-empty-transmit>
<mrp-join-in-transmit>
  mrp-join-in-transmit
</mrp-join-in-transmit>
<mrp-empty-transmit>
  mrp-empty-transmit
</mrp-empty-transmit>
<mrp-in-transmit>
  mrp-in-transmit
</mrp-in-transmit>
<mrp-leave-transmit>
  mrp-leave-transmit
</mrp-leave-transmit>
<mrp-leaveall-transmit>
  mrp-leaveall-transmit
</mrp-leaveall-transmit>
</mvrp-statistics>
</mvrp>
```

#### Description

### <mvrp-vlans>

#### Usage

```
<mvrp>
  <mvrp-vlans>
    <mvrp-vlan-id>
      mvrp-vlan-id
    </mvrp-vlan-id>

    <mvrp-dynamic-vmember-information>....</mvrp-dynamic-vmember-information>
  </mvrp-vlans>
</mvrp>
```

#### Description

### <nh-detail-interface-list>

#### Usage

```
<nh-detail-interface-list>
  <nh-detail-next-hop-index>
    nh-detail-next-hop-index
  </nh-detail-next-hop-index>
  <nh-detail-interface-name>
    nh-detail-interface-name
  </nh-detail-interface-name>
  <nh-detail-tag-string>
    nh-detail-tag-string
  </nh-detail-tag-string>
```

```
</nh-detail-interface-list>
```

#### Description

### <nh-detail-interface-list>

#### Usage

```
<ethernet-switching-next-hops>
  <nh-detail-interface-list>
    <nh-detail-next-hop-index>
      nh-detail-next-hop-index
    </nh-detail-next-hop-index>
    <nh-detail-interface-name>
      nh-detail-interface-name
    </nh-detail-interface-name>
    <nh-detail-tag-string>
      nh-detail-tag-string
    </nh-detail-tag-string>
  </nh-detail-interface-list>
</ethernet-switching-next-hops>
```

#### Description

### <nh-detail-interface-list>

#### Usage

```
<ethernet-switching-next-hop-information>
  <ethernet-switching-next-hops>
    <nh-detail-interface-list>
      <nh-detail-next-hop-index>
        nh-detail-next-hop-index
      </nh-detail-next-hop-index>
      <nh-detail-interface-name>
        nh-detail-interface-name
      </nh-detail-interface-name>
      <nh-detail-tag-string>
        nh-detail-tag-string
      </nh-detail-tag-string>
    </nh-detail-interface-list>
  </ethernet-switching-next-hops>
</ethernet-switching-next-hop-information>
```

#### Description

### <nh-fdb-entry>

#### Usage

```
<nh-fdb-entry>
  <nh-mac-vlan>
    nh-mac-vlan
  </nh-mac-vlan>
  <nh-mac-address>
    nh-mac-address
```

```
</nh-mac-address>
</nh-fdb-entry>
```

#### Description

### <nh-fdb-entry>

#### Usage

```
<ethernet-switching-next-hops>
  <nh-fdb-entry>
    <nh-mac-vlan>
      nh-mac-vlan
    </nh-mac-vlan>
    <nh-mac-address>
      nh-mac-address
    </nh-mac-address>
  </nh-fdb-entry>
</ethernet-switching-next-hops>
```

#### Description

### <nh-fdb-entry>

#### Usage

```
<ethernet-switching-next-hop-information>
  <ethernet-switching-next-hops>
    <nh-fdb-entry>
      <nh-mac-vlan>
        nh-mac-vlan
      </nh-mac-vlan>
      <nh-mac-address>
        nh-mac-address
      </nh-mac-address>
    </nh-fdb-entry>
  </ethernet-switching-next-hops>
</ethernet-switching-next-hop-information>
```

#### Description

### <nh-interface-list>

#### Usage

```
<nh-interface-list>
  <nh-interface-name>
    nh-interface-name
  </nh-interface-name>
</nh-interface-list>
```

#### Description



**<nh-interface-list>****Usage**

```

<ethernet-switching-next-hops>
  <nh-interface-list>
    <nh-interface-name>
      nh-interface-name
    </nh-interface-name>
  </nh-interface-list>
</ethernet-switching-next-hops>

```

**Description****<nh-interface-list>****Usage**

```

<ethernet-switching-next-hop-information>
  <ethernet-switching-next-hops>
    <nh-interface-list>
      <nh-interface-name>
        nh-interface-name
      </nh-interface-name>
    </nh-interface-list>
  </ethernet-switching-next-hops>
</ethernet-switching-next-hop-information>

```

**Description****<policy-vlan-member-list>****Usage**

```

<policy-vlan-member-list>
  <policy-vlan-member>
    policy-vlan-member
  </policy-vlan-member>
</policy-vlan-member-list>

```

**Description****<policy-vlan-member-list>****Usage**

```

<vlan>
  <vlan-detail>
    <policy-vlan-member-list>
      <policy-vlan-member>
        policy-vlan-member
      </policy-vlan-member>
    </policy-vlan-member-list>
  </vlan-detail>
</vlan>

```

**Description****<policy-vlan-member-list>****Usage**

```
<vlan-information>
  <vlan>
    <vlan-detail>
      <policy-vlan-member-list>
        <policy-vlan-member>
          policy-vlan-member
        </policy-vlan-member>
      </policy-vlan-member-list>
    </vlan-detail>
  </vlan>
</vlan-information>
```

**Description****<private-vlan-community-list>****Usage**

```
<private-vlan-community-list>
  <community-vlan>
    community-vlan
  </community-vlan>
</private-vlan-community-list>
```

**Description****<private-vlan-community-list>****Usage**

```
<vlan>
  <vlan-detail>
    <private-vlan-community-list>
      <community-vlan>
        community-vlan
      </community-vlan>
    </private-vlan-community-list>
  </vlan-detail>
</vlan>
```

**Description****<private-vlan-community-list>****Usage**

```
<vlan-information>
  <vlan>
    <vlan-detail>
      <private-vlan-community-list>
        <community-vlan>
```

```

        community-vlan
      </community-vlan>
    </private-vlan-community-list>
  </vlan-detail>
</vlan>
</vlan-information>

```

#### Description

### <private-vlan-isolated-list>

#### Usage

```

<private-vlan-isolated-list>
  <isolated-vlan>
    isolated-vlan
  </isolated-vlan>
</private-vlan-isolated-list>

```

#### Description

### <private-vlan-isolated-list>

#### Usage

```

<vlan>
  <vlan-detail>
    <private-vlan-isolated-list>
      <isolated-vlan>
        isolated-vlan
      </isolated-vlan>
    </private-vlan-isolated-list>
  </vlan-detail>
</vlan>

```

#### Description

### <private-vlan-isolated-list>

#### Usage

```

<vlan-information>
  <vlan>
    <vlan-detail>
      <private-vlan-isolated-list>
        <isolated-vlan>
          isolated-vlan
        </isolated-vlan>
      </private-vlan-isolated-list>
    </vlan-detail>
  </vlan>
</vlan-information>

```

#### Description

### <private-vlan-secondary-list>

#### Usage

```
<private-vlan-secondary-list>
  <secondary-vlan>
    secondary-vlan
  </secondary-vlan>
</private-vlan-secondary-list>
```

#### Description

### <private-vlan-secondary-list>

#### Usage

```
<vlan>
  <vlan-detail>
    <private-vlan-secondary-list>
      <secondary-vlan>
        secondary-vlan
      </secondary-vlan>
    </private-vlan-secondary-list>
  </vlan-detail>
</vlan>
```

#### Description

### <private-vlan-secondary-list>

#### Usage

```
<vlan-information>
  <vlan>
    <vlan-detail>
      <private-vlan-secondary-list>
        <secondary-vlan>
          secondary-vlan
        </secondary-vlan>
      </private-vlan-secondary-list>
    </vlan-detail>
  </vlan>
</vlan-information>
```

#### Description

### <push-vlan-member-list>

#### Usage

```
<push-vlan-member-list>
  <push-vlan-member>
    push-vlan-member
  </push-vlan-member>
</push-vlan-member-list>
```

**Description****<push-vlan-member-list>****Usage**

```

<vlan>
  <vlan-detail>
    <push-vlan-member-list>
      <push-vlan-member>
        push-vlan-member
      </push-vlan-member>
    </push-vlan-member-list>
  </vlan-detail>
</vlan>

```

**Description****<push-vlan-member-list>****Usage**

```

<vlan-information>
  <vlan>
    <vlan-detail>
      <push-vlan-member-list>
        <push-vlan-member>
          push-vlan-member
        </push-vlan-member>
      </push-vlan-member-list>
    </vlan-detail>
  </vlan>
</vlan-information>

```

**Description****<regional-root-bridge>****Usage**

```

<cist-bridge-parameters>
  <regional-root-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </regional-root-bridge>
</cist-bridge-parameters>

```

**Description** CIST regional root bridge identifier

## <regional-root-bridge>

### Usage

```
<stp-bridge>
  <cist-bridge-parameters>
    <regional-root-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </regional-root-bridge>
  </cist-bridge-parameters>
</stp-bridge>
```

**Description** CIST regional root bridge identifier

## <root-bridge>

### Usage

```
<cist-bridge-parameters>
  <root-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </root-bridge>
</cist-bridge-parameters>
```

**Description** Root bridge identifier

## <root-bridge>

### Usage

```
<vst-bridge-parameters>
  <root-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </root-bridge>
</vst-bridge-parameters>
```

**Description** Root bridge identifier

**<root-bridge>****Usage**

```

<stp-bridge>
  <cist-bridge-parameters>
    <root-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </root-bridge>
  </cist-bridge-parameters>
</stp-bridge>

```

**Description** Root bridge identifier

**<root-bridge>****Usage**

```

<stp-bridge>
  <vst-bridge-parameters>
    <root-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </root-bridge>
  </vst-bridge-parameters>
</stp-bridge>

```

**Description** Root bridge identifier

**<rtg>****Usage**

```

<rtg>
  <rtg-information>....</rtg-information>
  <rtg-information-pergrp>....</rtg-information-pergrp>
  <rtg-information-pergrp-err>....</rtg-information-pergrp-err>
</rtg>

```

**Description**

**<rtg-information>****Usage**

```

<rtg>

```

```
<rtg-information>
  <rtg-group-name>
    rtg-group-name
  </rtg-group-name>
  <rtg-first-interface-name>
    rtg-first-interface-name
  </rtg-first-interface-name>
  <rtg-second-interface-name>
    rtg-second-interface-name
  </rtg-second-interface-name>
  <rtg-first-interface-state>
    rtg-first-interface-state
  </rtg-first-interface-state>
  <rtg-second-interface-state>
    rtg-second-interface-state
  </rtg-second-interface-state>
  <rtg-first-interface-timeoflastflap>
    rtg-first-interface-timeoflastflap
  </rtg-first-interface-timeoflastflap>
  <rtg-second-interface-timeoflastflap>
    rtg-second-interface-timeoflastflap
  </rtg-second-interface-timeoflastflap>
  <rtg-first-interface-flaps>
    rtg-first-interface-flaps
  </rtg-first-interface-flaps>
  <rtg-second-interface-flaps>
    rtg-second-interface-flaps
  </rtg-second-interface-flaps>
  <rtg-first-interface-bandwidth>
    rtg-first-interface-bandwidth
  </rtg-first-interface-bandwidth>
  <rtg-second-interface-bandwidth>
    rtg-second-interface-bandwidth
  </rtg-second-interface-bandwidth>
</rtg-information>
</rtg>
```

#### Description

**<rtg-information-pergrp>**

#### Usage

```
<rtg>
  <rtg-information-pergrp>
    <rtg-first-interface-name>
      rtg-first-interface-name
    </rtg-first-interface-name>
    <rtg-first-interface-state>
      rtg-first-interface-state
    </rtg-first-interface-state>
    <rtg-first-interface-bandwidth>
      rtg-first-interface-bandwidth
    </rtg-first-interface-bandwidth>
    <rtg-first-interface-timeoflastflap>
      rtg-first-interface-timeoflastflap
```



```

</rtg-first-interface-timeoflastflap>
<rtg-first-interface-flaps>
  rtg-first-interface-flaps
</rtg-first-interface-flaps>
<rtg-second-interface-name>
  rtg-second-interface-name
</rtg-second-interface-name>
<rtg-second-interface-state>
  rtg-second-interface-state
</rtg-second-interface-state>
<rtg-second-interface-timeoflastflap>
  rtg-second-interface-timeoflastflap
</rtg-second-interface-timeoflastflap>
<rtg-second-interface-flaps>
  rtg-second-interface-flaps
</rtg-second-interface-flaps>
<rtg-second-interface-bandwidth>
  rtg-second-interface-bandwidth
</rtg-second-interface-bandwidth>
<rtg-group-description>
  rtg-group-description
</rtg-group-description>
</rtg-information-pergrp>
</rtg>

```

#### Description

#### <rtg-information-pergrp-err>

##### Usage

```

<rtg>
  <rtg-information-pergrp-err>
    <rtg-group-name>
      rtg-group-name
    </rtg-group-name>
  </rtg-information-pergrp-err>
</rtg>

```

#### Description

#### <stp-bridge>

##### Usage

```

<stp-bridge>
  <context-id>
    context-id
  </context-id>
  <protocol>
    protocol
  </protocol>
  <cist-bridge-parameters>....</cist-bridge-parameters>
  <msti-bridge-parameters>....</msti-bridge-parameters>
  <vst-bridge-parameters>....</vst-bridge-parameters>

```

</stp-bridge>

**Description** Information about STP bridge parameters

### <stp-context-statistics-information>

#### Usage

```
<stp-context-statistics-information>
  <message-type>
    message-type
  </message-type>
  <total-bpdus-sent>
    total-bpdus-sent
  </total-bpdus-sent>
  <total-bpdus-received>
    total-bpdus-received
  </total-bpdus-received>
  <vstp-statistics>....</vstp-statistics>
  <bpdus-sent-5seconds>
    bpdus-sent-5seconds
  </bpdus-sent-5seconds>
  <bpdus-received-5seconds>
    bpdus-received-5seconds
  </bpdus-received-5seconds>
</stp-context-statistics-information>
```

**Description** Spanning Tree Protocol statistics

### <stp-instance>

#### Usage

```
<stp-interface-information>
  <stp-instance>
    <instance-id>
      instance-id
    </instance-id>
    <vlan-id>
      vlan-id
    </vlan-id>
    <stp-interfaces>....</stp-interfaces>
  </stp-instance>
</stp-interface-information>
```

**Description**

### <stp-interface-entry>

#### Usage

```
<stp-interface-entry>
  <interface-name>
    interface-name
```

```

</interface-name>
<port-priority>
  port-priority
</port-priority>
<port-number>
  port-number
</port-number>
<designated-port-priority>
  designated-port-priority
</designated-port-priority>
<designated-port-number>
  designated-port-number
</designated-port-number>
<port-cost>
  port-cost
</port-cost>
<port-state>
  port-state
</port-state>
<designated-bridge-priority>
  designated-bridge-priority
</designated-bridge-priority>
<designated-bridge-mac>
  designated-bridge-mac
</designated-bridge-mac>
<port-role>
  port-role
</port-role>
<link-type>
  link-type
</link-type>
<port-migrated-protocol>
  port-migrated-protocol
</port-migrated-protocol>
<boundary-port>
  boundary-port
</boundary-port>
<edge-delay-while-expiry-count>
  edge-delay-while-expiry-count
</edge-delay-while-expiry-count>
<rcvd-info-while-expiry-count>
  rcvd-info-while-expiry-count
</rcvd-info-while-expiry-count>
</stp-interface-entry>

```

**Description** Information about Spanning Tree Protocol interface

### <stp-interface-entry>

#### Usage

```

<stp-interface-information>
  <stp-instance>
    <stp-interfaces>
      <stp-interface-entry>

```

```
<interface-name>
  interface-name
</interface-name>
<port-priority>
  port-priority
</port-priority>
<port-number>
  port-number
</port-number>
<designated-port-priority>
  designated-port-priority
</designated-port-priority>
<designated-port-number>
  designated-port-number
</designated-port-number>
<port-cost>
  port-cost
</port-cost>
<port-state>
  port-state
</port-state>
<designated-bridge-priority>
  designated-bridge-priority
</designated-bridge-priority>
<designated-bridge-mac>
  designated-bridge-mac
</designated-bridge-mac>
<port-role>
  port-role
</port-role>
<link-type>
  link-type
</link-type>
<port-migrated-protocol>
  port-migrated-protocol
</port-migrated-protocol>
<boundary-port>
  boundary-port
</boundary-port>
<edge-delay-while-expiry-count>
  edge-delay-while-expiry-count
</edge-delay-while-expiry-count>
<rcvd-info-while-expiry-count>
  rcvd-info-while-expiry-count
</rcvd-info-while-expiry-count>
</stp-interface-entry>
</stp-interfaces>
</stp-instance>
</stp-interface-information>
```

**Description** Information about Spanning Tree Protocol interface

### <stp-interface-information>

#### Usage

```

<stp-interface-information>
  <stp-instance>....</stp-instance>
</stp-interface-information>

```

**Description** Information about STP interfaces or instances

### <stp-interface-statistics>

#### Usage

```

<stp-interface-statistics>
  <stp-interface-statistics-entry>....</stp-interface-statistics-entry>
  <vstp-interface-statistics>....</vstp-interface-statistics>
</stp-interface-statistics>

```

**Description** STP interface statistics

### <stp-interface-statistics-entry>

#### Usage

```

<stp-interface-statistics-entry>
  <interface-name>
    interface-name
  </interface-name>
  <total-bpdus-sent>
    total-bpdus-sent
  </total-bpdus-sent>
  <total-bpdus-received>
    total-bpdus-received
  </total-bpdus-received>
  <next-bpdu-time>
    next-bpdu-time
  </next-bpdu-time>
</stp-interface-statistics-entry>

```

**Description** STP interface statistics

### <stp-interface-statistics-entry>

#### Usage

```

<stp-interface-statistics>
  <stp-interface-statistics-entry>
    <interface-name>
      interface-name
    </interface-name>
    <total-bpdus-sent>
      total-bpdus-sent
    </total-bpdus-sent>
  </stp-interface-statistics-entry>

```

```
<total-bpdus-received>
  total-bpdus-received
</total-bpdus-received>
<next-bpdu-time>
  next-bpdu-time
</next-bpdu-time>
</stp-interface-statistics-entry>
</stp-interface-statistics>
```

**Description** STP interface statistics

### <stp-interface-statistics-entry>

#### Usage

```
<stp-interface-statistics>
<vstp-interface-statistics>
  <stp-interface-statistics-entry>
    <interface-name>
      interface-name
    </interface-name>
    <total-bpdus-sent>
      total-bpdus-sent
    </total-bpdus-sent>
    <total-bpdus-received>
      total-bpdus-received
    </total-bpdus-received>
    <next-bpdu-time>
      next-bpdu-time
    </next-bpdu-time>
  </stp-interface-statistics-entry>
</vstp-interface-statistics>
</stp-interface-statistics>
```

**Description** STP interface statistics

### <stp-interface-statistics-entry>

#### Usage

```
<stp-vlan-interface-statistics>
  <stp-interface-statistics-entry>
    <interface-name>
      interface-name
    </interface-name>
    <total-bpdus-sent>
      total-bpdus-sent
    </total-bpdus-sent>
    <total-bpdus-received>
      total-bpdus-received
    </total-bpdus-received>
    <next-bpdu-time>
      next-bpdu-time
    </next-bpdu-time>
```

```

    </stp-interface-statistics-entry>
  </stp-vlan-interface-statistics>

```

**Description** STP interface statistics

### <stp-interfaces>

#### Usage

```

    <stp-interface-information>
      <stp-instance>
        <stp-interfaces>
          <stp-interface-entry>....</stp-interface-entry>
        </stp-interfaces>
      </stp-instance>
    </stp-interface-information>

```

**Description** Information about STP interfaces

### <stp-kernel-table>

#### Usage

```

    <stp-kernel-table>
      <stp-kernel-table-entry>....</stp-kernel-table-entry>
    </stp-kernel-table>

```

**Description** STP kernel table information

### <stp-kernel-table-entry>

#### Usage

```

    <stp-kernel-table>
      <stp-kernel-table-entry>
        <stp-index>
          stp-index
        </stp-index>
        <kernel-if-name>
          kernel-if-name
        </kernel-if-name>
        <kernel-stp-instance>
          kernel-stp-instance
        </kernel-stp-instance>
        <kernel-state>
          kernel-state
        </kernel-state>
        <kernel-action>
          kernel-action
        </kernel-action>
        <epoch>
          epoch
        </epoch>
        <hardware-learning>

```

```
        hardware-learning
      </hardware-learning>
    </stp-kernel-table-entry>
  </stp-kernel-table>
```

**Description****<stp-vlan-interface-statistics>****Usage**

```
<stp-vlan-interface-statistics>
  <stp-interface-statistics-entry>....</stp-interface-statistics-entry>
</stp-vlan-interface-statistics>
```

**Description** Statistics information about VLAN STP interfaces

**<swap-vlan-member-list>****Usage**

```
<swap-vlan-member-list>
  <swap-vlan-member>
    swap-vlan-member
  </swap-vlan-member>
</swap-vlan-member-list>
```

**Description****<swap-vlan-member-list>****Usage**

```
<vlan>
  <vlan-detail>
    <swap-vlan-member-list>
      <swap-vlan-member>
        swap-vlan-member
      </swap-vlan-member>
    </swap-vlan-member-list>
  </vlan-detail>
</vlan>
```

**Description****<swap-vlan-member-list>****Usage**

```
<vlan-information>
  <vlan>
    <vlan-detail>
      <swap-vlan-member-list>
        <swap-vlan-member>
          swap-vlan-member
        </swap-vlan-member>
      </swap-vlan-member-list>
    </vlan-detail>
  </vlan>
</vlan-information>
```



```
        </swap-vlan-member>
      </swap-vlan-member-list>
    </vlan-detail>
  </vlan>
</vlan-information>
```

**Description****<switching-interface-information>****Usage**

```
<switching-interface-information>
  <interface>....</interface>
</switching-interface-information>
```

**Description** Operational information about Ethernet-switching interfaces

**<tagged-vlan-member-list>****Usage**

```
<tagged-vlan-member-list>
  <tagged-vlan-member>
    tagged-vlan-member
  </tagged-vlan-member>
</tagged-vlan-member-list>
```

**Description****<tagged-vlan-member-list>****Usage**

```
<vlan>
  <vlan-detail>
    <tagged-vlan-member-list>
      <tagged-vlan-member>
        tagged-vlan-member
      </tagged-vlan-member>
    </tagged-vlan-member-list>
  </vlan-detail>
</vlan>
```

**Description****<tagged-vlan-member-list>****Usage**

```
<vlan-information>
  <vlan>
    <vlan-detail>
      <tagged-vlan-member-list>
        <tagged-vlan-member>
```

```

        tagged-vlan-member
      </tagged-vlan-member>
    </tagged-vlan-member-list>
  </vlan-detail>
</vlan>
</vlan-information>

```

#### Description

**<task>**

#### Usage

```

<task-timer-information>
  <task>
    <task-name>
      task-name
    </task-name>
    <task-timer-priority>....</task-timer-priority>
    <task-timer-summary>....</task-timer-summary>
    <task-timer>....</task-timer>
  </task>
</task-timer-information>

```

#### Description

**<task-account-information>**

#### Usage

```

<task-accounting-information>
  <task-account-information>
</task-account-information>
</task-accounting-information>

```

#### Description

**<task-account-status>**

#### Usage

```

<task-accounting-information>
  <task-account-status>
</task-account-status>
</task-accounting-information>

```

#### Description

**<task-accounting-information>**

#### Usage

```

<task-accounting-information>
  <task-acc-task-name>
    task-acc-task-name
  </task-acc-task-name>

```

```

<task-acc-status>
  task-acc-status
</task-acc-status>
<task-acc-task-started>
  task-acc-task-started
</task-acc-task-started>
<task-acc-task-user-time>
  task-acc-task-user-time
</task-acc-task-user-time>
<task-acc-task-system-time>
  task-acc-task-system-time
</task-acc-task-system-time>
<task-acc-task-longest-run>
  task-acc-task-longest-run
</task-acc-task-longest-run>
<task-account-status>....</task-account-status>
<task-account-information>....</task-account-information>
</task-accounting-information>

```

#### Description

<task-block>

#### Usage

```

<task-block-list>
<task-block>
  <tb-name>
    tb-name
  </tb-name>
  <tb-size>
    tb-size
  </tb-size>
  <tb-alloc-size>
    tb-alloc-size
  </tb-alloc-size>
  <tb-terse-transient>
    tb-terse-transient
  </tb-terse-transient>
  <tb-terse-fullpage>
    tb-terse-fullpage
  </tb-terse-fullpage>
  <tb-terse-debug>
    tb-terse-debug
  </tb-terse-debug>
  <tb-alloc-blocks>
    tb-alloc-blocks
  </tb-alloc-blocks>
  <tb-alloc-bytes>
    tb-alloc-bytes
  </tb-alloc-bytes>
  <tb-max-alloc-blocks>
    tb-max-alloc-blocks
  </tb-max-alloc-blocks>
  <tb-max-alloc-bytes>
    tb-max-alloc-bytes

```

```
</tb-max-alloc-bytes>
</task-block>
</task-block-list>
```

#### Description

### <task-block>

#### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>
      <task-block>
        <tb-name>
          tb-name
        </tb-name>
        <tb-size>
          tb-size
        </tb-size>
        <tb-alloc-size>
          tb-alloc-size
        </tb-alloc-size>
        <tb-terse-transient>
          tb-terse-transient
        </tb-terse-transient>
        <tb-terse-fullpage>
          tb-terse-fullpage
        </tb-terse-fullpage>
        <tb-terse-debug>
          tb-terse-debug
        </tb-terse-debug>
        <tb-alloc-blocks>
          tb-alloc-blocks
        </tb-alloc-blocks>
        <tb-alloc-bytes>
          tb-alloc-bytes
        </tb-alloc-bytes>
        <tb-max-alloc-blocks>
          tb-max-alloc-blocks
        </tb-max-alloc-blocks>
        <tb-max-alloc-bytes>
          tb-max-alloc-bytes
        </tb-max-alloc-bytes>
      </task-block>
    </task-block-list>
  </task-memory-allocator-report>
</task-memory-information>
```

#### Description

### <task-block-list>

#### Usage

```
<task-block-list>
```

```
<task-block>....</task-block>
</task-block-list>
```

#### Description

**<task-block-list>**

#### Usage

```
<task-memory-information>
<task-memory-allocator-report>
  <task-block-list>
    <task-block>....</task-block>
  </task-block-list>
</task-memory-allocator-report>
</task-memory-information>
```

#### Description

**<task-io-information>**

#### Usage

```
<task-io-information>
<task-io-task-name>
  task-io-task-name
</task-io-task-name>
<task-io-read>
  task-io-read
</task-io-read>
<task-io-write>
  task-io-write
</task-io-write>
<task-io-received>
  task-io-received
</task-io-received>
<task-io-sent>
  task-io-sent
</task-io-sent>
<task-io-dropped>
  task-io-dropped
</task-io-dropped>
</task-io-information>
```

#### Description

**<task-jobs-background>**

#### Usage

```
<task-jobs-information>
  <task-jobs-background>
</task-jobs-background>
</task-jobs-information>
```

**Description****<task-jobs-foreground>****Usage**

```
<task-jobs-information>
  <task-jobs-foreground>
</task-jobs-foreground>
</task-jobs-information>
```

**Description****<task-jobs-information>****Usage**

```
<task-jobs-information>
  <task-jobs-fg-priority>
    task-jobs-fg-priority
  </task-jobs-fg-priority>
  <task-jobs-fg-task-name>
    task-jobs-fg-task-name
  </task-jobs-fg-task-name>
  <task-jobs-fg-wait>
    task-jobs-fg-wait
  </task-jobs-fg-wait>
  <task-jobs-fg-flags>
    task-jobs-fg-flags
  </task-jobs-fg-flags>
  <task-jobs-bg-priority>
    task-jobs-bg-priority
  </task-jobs-bg-priority>
  <task-jobs-bg-task-name>
    task-jobs-bg-task-name
  </task-jobs-bg-task-name>
  <task-jobs-bg-misses>
    task-jobs-bg-misses
  </task-jobs-bg-misses>
  <task-jobs-bg-runs>
    task-jobs-bg-runs
  </task-jobs-bg-runs>
  <task-jobs-bg-wait>
    task-jobs-bg-wait
  </task-jobs-bg-wait>
  <task-jobs-bg-flags>
    task-jobs-bg-flags
  </task-jobs-bg-flags>
  <task-jobs-foreground>....</task-jobs-foreground>
  <task-jobs-background>....</task-jobs-background>
</task-jobs-information>
```

**Description**

**<task-lite-page>****Usage**

```

<task-lite-page-list>
  <task-lite-page>
    <tlp-name>
      tlp-name
    </tlp-name>
    <tlp-alloc-pages>
      tlp-alloc-pages
    </tlp-alloc-pages>
    <tlp-alloc-bytes>
      tlp-alloc-bytes
    </tlp-alloc-bytes>
    <tlp-max-alloc-pages>
      tlp-max-alloc-pages
    </tlp-max-alloc-pages>
    <tlp-max-alloc-bytes>
      tlp-max-alloc-bytes
    </tlp-max-alloc-bytes>
  </task-lite-page>
</task-lite-page-list>

```

**Description****<task-lite-page>****Usage**

```

<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>
        <tlp-name>
          tlp-name
        </tlp-name>
        <tlp-alloc-pages>
          tlp-alloc-pages
        </tlp-alloc-pages>
        <tlp-alloc-bytes>
          tlp-alloc-bytes
        </tlp-alloc-bytes>
        <tlp-max-alloc-pages>
          tlp-max-alloc-pages
        </tlp-max-alloc-pages>
        <tlp-max-alloc-bytes>
          tlp-max-alloc-bytes
        </tlp-max-alloc-bytes>
      </task-lite-page>
    </task-lite-page-list>
  </task-memory-allocator-report>
</task-memory-information>

```

**Description**

## <task-lite-page-list>

### Usage

```
<task-lite-page-list>
  <task-lite-page>....</task-lite-page>
</task-lite-page-list>
```

### Description

## <task-lite-page-list>

### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-lite-page-list>
      <task-lite-page>....</task-lite-page>
    </task-lite-page-list>
  </task-memory-allocator-report>
</task-memory-information>
```

### Description

## <task-malloc>

### Usage

```
<task-malloc-list>
  <task-malloc>
    <tm-name>
      tm-name
    </tm-name>
    <tm-allocs>
      tm-allocs
    </tm-allocs>
    <tm-alloc-bytes>
      tm-alloc-bytes
    </tm-alloc-bytes>
    <tm-max-allocs>
      tm-max-allocs
    </tm-max-allocs>
    <tm-max-alloc-bytes>
      tm-max-alloc-bytes
    </tm-max-alloc-bytes>
    <tm-function-calls>
      tm-function-calls
    </tm-function-calls>
  </task-malloc>
</task-malloc-list>
```

### Description



**<task-malloc>****Usage**

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>
        <tm-name>
          tm-name
        </tm-name>
        <tm-allocs>
          tm-allocs
        </tm-allocs>
        <tm-alloc-bytes>
          tm-alloc-bytes
        </tm-alloc-bytes>
        <tm-max-allocs>
          tm-max-allocs
        </tm-max-allocs>
        <tm-max-alloc-bytes>
          tm-max-alloc-bytes
        </tm-max-alloc-bytes>
        <tm-function-calls>
          tm-function-calls
        </tm-function-calls>
      </task-malloc>
    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

**Description****<task-malloc-list>****Usage**

```

<task-malloc-list>
  <task-malloc>....</task-malloc>
</task-malloc-list>

```

**Description****<task-malloc-list>****Usage**

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>
      <task-malloc>....</task-malloc>
    </task-malloc-list>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

## Description

### <task-memory-allocator-report>

#### Usage

```
<task-memory-information>
  <task-memory-allocator-report>
    <task-block-list>....</task-block-list>
    <task-lite-page-list>....</task-lite-page-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-allocator-report>
</task-memory-information>
```

## Description

### <task-memory-information>

#### Usage

```
<task-memory-information>
  <task-memory-in-use-size>
    task-memory-in-use-size
  </task-memory-in-use-size>
  <task-memory-in-use-avail>
    task-memory-in-use-avail
  </task-memory-in-use-avail>
  <task-memory-max-size>
    task-memory-max-size
  </task-memory-max-size>
  <task-memory-max-avail>
    task-memory-max-avail
  </task-memory-max-avail>
  <task-memory-max-when>
    task-memory-max-when
  </task-memory-max-when>
  <task-memory-free-size>
    task-memory-free-size
  </task-memory-free-size>
  <task-memory-overall-report>....</task-memory-overall-report>
  <task-memory-allocator-report>....</task-memory-allocator-report>
  <task-memory-malloc-usage-report>....</task-memory-malloc-usage-report>
  <task-memory-dynamic-allocs>
    task-memory-dynamic-allocs
  </task-memory-dynamic-allocs>
  <task-memory-max-dynamic-allocs>
    task-memory-max-dynamic-allocs
  </task-memory-max-dynamic-allocs>
  <task-memory-bss-bytes>
    task-memory-bss-bytes
  </task-memory-bss-bytes>
  <task-memory-max-bss-bytes>
```

```

    task-memory-max-bss-bytes
  </task-memory-max-bss-bytes>
  <task-memory-page-data-bytes>
    task-memory-page-data-bytes
  </task-memory-page-data-bytes>
  <task-memory-max-page-data-bytes>
    task-memory-max-page-data-bytes
  </task-memory-max-page-data-bytes>
  <task-memory-dir-bytes>
    task-memory-dir-bytes
  </task-memory-dir-bytes>
  <task-memory-max-dir-bytes>
    task-memory-max-dir-bytes
  </task-memory-max-dir-bytes>
  <task-memory-total-bytes-in-use>
    task-memory-total-bytes-in-use
  </task-memory-total-bytes-in-use>
  <task-memory-total-bytes-percent>
    task-memory-total-bytes-percent
  </task-memory-total-bytes-percent>
</task-memory-information>

```

#### Description

### <task-memory-malloc-usage-report>

#### Usage

```

<task-memory-information>
  <task-memory-malloc-usage-report>
    <task-malloc-list>....</task-malloc-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-malloc-usage-report>
</task-memory-information>

```

#### Description

### <task-memory-overall-report>

#### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>....</task-size-block-list>
    <task-memory-stats-list>....</task-memory-stats-list>
    <task-memory-total-bytes>
      task-memory-total-bytes
    </task-memory-total-bytes>
    <task-memory-total-max-bytes>
      task-memory-total-max-bytes
    </task-memory-total-max-bytes>
  </task-memory-overall-report>
</task-memory-information>

```

```
<task-memory-total-free-bytes>
  task-memory-total-free-bytes
</task-memory-total-free-bytes>
</task-memory-overall-report>
</task-memory-information>
```

#### Description

### <task-memory-stats>

#### Usage

```
<task-memory-stats>
  <tms-name>
    tms-name
  </tms-name>
  <tms-allocs>
    tms-allocs
  </tms-allocs>
  <tms-mallocs>
    tms-mallocs
  </tms-mallocs>
  <tms-alloc-bytes>
    tms-alloc-bytes
  </tms-alloc-bytes>
  <tms-max-allocs>
    tms-max-allocs
  </tms-max-allocs>
  <tms-max-bytes>
    tms-max-bytes
  </tms-max-bytes>
  <tms-free-bytes>
    tms-free-bytes
  </tms-free-bytes>
</task-memory-stats>
```

#### Description

### <task-memory-stats>

#### Usage

```
<task-memory-information>
  <task-memory-overall-report>
    <task-memory-stats-list>
      <task-memory-stats>
        <tms-name>
          tms-name
        </tms-name>
        <tms-allocs>
          tms-allocs
        </tms-allocs>
        <tms-mallocs>
          tms-mallocs
        </tms-mallocs>
        <tms-alloc-bytes>
```

```

        tms-alloc-bytes
      </tms-alloc-bytes>
      <tms-max-allocs>
        tms-max-allocs
      </tms-max-allocs>
      <tms-max-bytes>
        tms-max-bytes
      </tms-max-bytes>
      <tms-free-bytes>
        tms-free-bytes
      </tms-free-bytes>
    </task-memory-stats>
  </task-memory-stats-list>
</task-memory-overall-report>
</task-memory-information>

```

**Description****<task-memory-stats-list>****Usage**

```

<task-memory-information>
  <task-memory-overall-report>
    <task-memory-stats-list>
      <task-memory-stats>....</task-memory-stats>
    </task-memory-stats-list>
  </task-memory-overall-report>
</task-memory-information>

```

**Description****<task-replication-state>****Usage**

```

<task-replication-state>
  <task-gres-state>
    task-gres-state
  </task-gres-state>
  <task-re-mode>
    task-re-mode
  </task-re-mode>
</task-replication-state>

```

**Description** Current state of task replication

**<task-size-block>****Usage**

```

<task-size-block-list>
  <task-size-block>
    <tsb-size>
      tsb-size
    
```

```

</tsb-size>
<tsb-terse-transient>
  tsb-terse-transient
</tsb-terse-transient>
<tsb-terse-fullpage>
  tsb-terse-fullpage
</tsb-terse-fullpage>
<tsb-allocs>
  tsb-allocs
</tsb-allocs>
<tsb-mallocs>
  tsb-mallocs
</tsb-mallocs>
<tsb-alloc-bytes>
  tsb-alloc-bytes
</tsb-alloc-bytes>
<tsb-max-allocs>
  tsb-max-allocs
</tsb-max-allocs>
<tsb-max-bytes>
  tsb-max-bytes
</tsb-max-bytes>
<tsb-free-bytes>
  tsb-free-bytes
</tsb-free-bytes>
</task-size-block>
</task-size-block-list>

```

## Description

### <task-size-block>

#### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>
      <task-size-block>
        <tsb-size>
          tsb-size
        </tsb-size>
        <tsb-terse-transient>
          tsb-terse-transient
        </tsb-terse-transient>
        <tsb-terse-fullpage>
          tsb-terse-fullpage
        </tsb-terse-fullpage>
        <tsb-allocs>
          tsb-allocs
        </tsb-allocs>
        <tsb-mallocs>
          tsb-mallocs
        </tsb-mallocs>
        <tsb-alloc-bytes>
          tsb-alloc-bytes
        </tsb-alloc-bytes>
      </task-size-block>
    </task-size-block-list>
  </task-memory-overall-report>
</task-memory-information>

```

```

    <tsb-max-allocs>
      tsb-max-allocs
    </tsb-max-allocs>
    <tsb-max-bytes>
      tsb-max-bytes
    </tsb-max-bytes>
    <tsb-free-bytes>
      tsb-free-bytes
    </tsb-free-bytes>
  </task-size-block>
</task-size-block-list>
</task-memory-overall-report>
</task-memory-information>

```

#### Description

### <task-size-block-list>

#### Usage

```

<task-size-block-list>
  <task-size-block>....</task-size-block>
</task-size-block-list>

```

#### Description

### <task-size-block-list>

#### Usage

```

<task-memory-information>
  <task-memory-overall-report>
    <task-size-block-list>
      <task-size-block>....</task-size-block>
    </task-size-block-list>
  </task-memory-overall-report>
</task-memory-information>

```

#### Description

### <task-statistics-information>

#### Usage

```

<task-statistics-information>
  <task-stat-event-name>
    task-stat-event-name
  </task-stat-event-name>
  <task-stat-event-count>
    task-stat-event-count
  </task-stat-event-count>
</task-statistics-information>

```

#### Description

## <task-summary-information>

### Usage

```
<task-summary-information>
  <task-summary-priority>
    task-summary-priority
  </task-summary-priority>
  <task-summary-task-name>
    task-summary-task-name
  </task-summary-task-name>
  <task-summary-protocol>
    task-summary-protocol
  </task-summary-protocol>
  <task-summary-port>
    task-summary-port
  </task-summary-port>
  <task-summary-socket>
    task-summary-socket
  </task-summary-socket>
  <task-summary-flags>
    task-summary-flags
  </task-summary-flags>
</task-summary-information>
```

### Description

## <task-timer>

### Usage

```
<task-timer>
  <timer-name>
    timer-name
  </timer-name>
  <timer-late>
    timer-late
  </timer-late>
  <timer-expires>
    timer-expires
  </timer-expires>
  <timer-jitter>
    timer-jitter
  </timer-jitter>
  <timer-interval>
    timer-interval
  </timer-interval>
  <timer-flags>
    timer-flags
  </timer-flags>
</task-timer>
```

### Description



**<task-timer>****Usage**

```

<task-timer-information>
<task>
  <task-timer>
    <timer-name>
      timer-name
    </timer-name>
    <timer-late>
      timer-late
    </timer-late>
    <timer-expires>
      timer-expires
    </timer-expires>
    <timer-jitter>
      timer-jitter
    </timer-jitter>
    <timer-interval>
      timer-interval
    </timer-interval>
    <timer-flags>
      timer-flags
    </timer-flags>
  </task-timer>
</task>
</task-timer-information>

```

**Description****<task-timer-information>****Usage**

```

<task-timer-information>
<task>....</task>
</task-timer-information>

```

**Description****<task-timer-priority>****Usage**

```

<task-timer-priority>
<task-timer-type>
  task-timer-type
</task-timer-type>
</task-timer-priority>

```

**Description**

### <task-timer-priority>

#### Usage

```
<task-timer-information>
<task>
  <task-timer-priority>
    <task-timer-type>
      task-timer-type
    </task-timer-type>
  </task-timer-priority>
</task>
</task-timer-information>
```

#### Description

### <task-timer-summary>

#### Usage

```
<task-timer-summary>
<task-timer-leaf>
  task-timer-leaf
</task-timer-leaf>
<task-timer-parent>
  task-timer-parent
</task-timer-parent>
<task-timer-expired>
  task-timer-expired
</task-timer-expired>
</task-timer-summary>
```

#### Description

### <task-timer-summary>

#### Usage

```
<task-timer-information>
<task>
  <task-timer-summary>
    <task-timer-leaf>
      task-timer-leaf
    </task-timer-leaf>
    <task-timer-parent>
      task-timer-parent
    </task-timer-parent>
    <task-timer-expired>
      task-timer-expired
    </task-timer-expired>
  </task-timer-summary>
</task>
</task-timer-information>
```

#### Description

**<this-bridge>****Usage**

```

<cist-bridge-parameters>
  <this-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </this-bridge>
</cist-bridge-parameters>

```

**Description** ID of bridge

**<this-bridge>****Usage**

```

<vst-bridge-parameters>
  <this-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </this-bridge>
</vst-bridge-parameters>

```

**Description** ID of bridge

**<this-bridge>****Usage**

```

<msti-bridge-parameters>
  <this-bridge>
    <bridge-priority>
      bridge-priority
    </bridge-priority>
    <bridge-mac>
      bridge-mac
    </bridge-mac>
  </this-bridge>
</msti-bridge-parameters>

```

**Description** ID of bridge

### <this-bridge>

#### Usage

```
<stp-bridge>
  <cist-bridge-parameters>
    <this-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </this-bridge>
  </cist-bridge-parameters>
</stp-bridge>
```

**Description** ID of bridge

### <this-bridge>

#### Usage

```
<stp-bridge>
  <msti-bridge-parameters>
    <this-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </this-bridge>
  </msti-bridge-parameters>
</stp-bridge>
```

**Description** ID of bridge

### <this-bridge>

#### Usage

```
<stp-bridge>
  <vst-bridge-parameters>
    <this-bridge>
      <bridge-priority>
        bridge-priority
      </bridge-priority>
      <bridge-mac>
        bridge-mac
      </bridge-mac>
    </this-bridge>
  </vst-bridge-parameters>
</stp-bridge>
```

**Description** ID of bridge

### <time-since-last-tc>

**Usage**

```
<msti-bridge-parameters>
  <time-since-last-tc>
</time-since-last-tc>
</msti-bridge-parameters>
```

**Description**

### <time-since-last-tc>

**Usage**

```
<stp-bridge>
  <msti-bridge-parameters>
    <time-since-last-tc>
  </time-since-last-tc>
</msti-bridge-parameters>
</stp-bridge>
```

**Description**

### <tracing-information>

**Usage**

```
<tracing-information>
  <flags>
    flags
  </flags>
  <filename>
    filename
  </filename>
  <filesize>
    filesize
  </filesize>
  <filelimit>
    filelimit
  </filelimit>
</tracing-information>
```

**Description**

### <untagged-vlan-member-list>

**Usage**

```
<untagged-vlan-member-list>
  <untagged-vlan-member>
    untagged-vlan-member
  </untagged-vlan-member>
</untagged-vlan-member-list>
```

**Description****<untagged-vlan-member-list>****Usage**

```
<vlan>
  <vlan-detail>
    <untagged-vlan-member-list>
      <untagged-vlan-member>
        untagged-vlan-member
      </untagged-vlan-member>
    </untagged-vlan-member-list>
  </vlan-detail>
</vlan>
```

**Description****<untagged-vlan-member-list>****Usage**

```
<vlan-information>
  <vlan>
    <vlan-detail>
      <untagged-vlan-member-list>
        <untagged-vlan-member>
          untagged-vlan-member
        </untagged-vlan-member>
      </untagged-vlan-member-list>
    </vlan-detail>
  </vlan>
</vlan-information>
```

**Description****<vlan>****Usage**

```
<vlan>
  <vlan-instance>
    vlan-instance
  </vlan-instance>
  <vlan-name>
    vlan-name
  </vlan-name>
  <vlan-index>
    vlan-index
  </vlan-index>
  <vlan-create-time>
    vlan-create-time
  </vlan-create-time>
  <vlan-description>
    vlan-description
  </vlan-description>
  <vlan-owner>
```

```
    vlan-owner
  </vlan-owner>
  <vlan-tag>
    vlan-tag
  </vlan-tag>
  <vlan-tag-string>
    vlan-tag-string
  </vlan-tag-string>
  <vlan-status>
    vlan-status
  </vlan-status>
  <dot1q-tunneling-mode>
    dot1q-tunneling-mode
  </dot1q-tunneling-mode>
  <layer2-protocol-tunneling-mode>
    layer2-protocol-tunneling-mode
  </layer2-protocol-tunneling-mode>
  <mac-learning-mode>
    mac-learning-mode
  </mac-learning-mode>
  <vlan-protocol-port>
    vlan-protocol-port
  </vlan-protocol-port>
  <vlan-l3-interface>
    vlan-l3-interface
  </vlan-l3-interface>
  <private-vlan-mode>
    private-vlan-mode
  </private-vlan-mode>
  <private-vlan-primary>
    private-vlan-primary
  </private-vlan-primary>
  <vlan-l3-interface-address>
    vlan-l3-interface-address
  </vlan-l3-interface-address>
  <vlan-l3-interface-ipv6-address>
    vlan-l3-interface-ipv6-address
  </vlan-l3-interface-ipv6-address>
  <vlan-l3-interface-addresses-ipv4>
    vlan-l3-interface-addresses-ipv4
  </vlan-l3-interface-addresses-ipv4>
  <vlan-l3-interface-addresses-ipv6>
    vlan-l3-interface-addresses-ipv6
  </vlan-l3-interface-addresses-ipv6>
  <vlan-members-upcount>
    vlan-members-upcount
  </vlan-members-upcount>
  <vlan-members-count>
    vlan-members-count
  </vlan-members-count>
  <customer-vlan-range-list>....</customer-vlan-range-list>
  <vlan-detail>....</vlan-detail>
</vlan>
```

**Description**

## &lt;vlan&gt;

**Usage**

```
<vlan-information>
  <vlan>
    <vlan-instance>
      vlan-instance
    </vlan-instance>
    <vlan-name>
      vlan-name
    </vlan-name>
    <vlan-index>
      vlan-index
    </vlan-index>
    <vlan-create-time>
      vlan-create-time
    </vlan-create-time>
    <vlan-description>
      vlan-description
    </vlan-description>
    <vlan-owner>
      vlan-owner
    </vlan-owner>
    <vlan-tag>
      vlan-tag
    </vlan-tag>
    <vlan-tag-string>
      vlan-tag-string
    </vlan-tag-string>
    <vlan-status>
      vlan-status
    </vlan-status>
    <dot1q-tunneling-mode>
      dot1q-tunneling-mode
    </dot1q-tunneling-mode>
    <layer2-protocol-tunneling-mode>
      layer2-protocol-tunneling-mode
    </layer2-protocol-tunneling-mode>
    <mac-learning-mode>
      mac-learning-mode
    </mac-learning-mode>
    <vlan-protocol-port>
      vlan-protocol-port
    </vlan-protocol-port>
    <vlan-l3-interface>
      vlan-l3-interface
    </vlan-l3-interface>
    <private-vlan-mode>
      private-vlan-mode
    </private-vlan-mode>
    <private-vlan-primary>
      private-vlan-primary
    </private-vlan-primary>
    <vlan-l3-interface-address>
```



```

    vlan-l3-interface-address
  </vlan-l3-interface-address>
  <vlan-l3-interface-ipv6-address>
    vlan-l3-interface-ipv6-address
  </vlan-l3-interface-ipv6-address>
  <vlan-l3-interface-addresses-ipv4>
    vlan-l3-interface-addresses-ipv4
  </vlan-l3-interface-addresses-ipv4>
  <vlan-l3-interface-addresses-ipv6>
    vlan-l3-interface-addresses-ipv6
  </vlan-l3-interface-addresses-ipv6>
  <vlan-members-upcount>
    vlan-members-upcount
  </vlan-members-upcount>
  <vlan-members-count>
    vlan-members-count
  </vlan-members-count>
  <customer-vlan-range-list>....</customer-vlan-range-list>
  <vlan-detail>....</vlan-detail>
</vlan>
</vlan-information>

```

## Description

### <vlan-detail>

## Usage

```

<vlan>
  <vlan-detail>
    <vlan-hardware-token>
      vlan-hardware-token
    </vlan-hardware-token>
    <vlan-mac-aging-time>
      vlan-mac-aging-time
    </vlan-mac-aging-time>
    <vlan-tagged-members-count>
      vlan-tagged-members-count
    </vlan-tagged-members-count>
    <vlan-tagged-members-upcount>
      vlan-tagged-members-upcount
    </vlan-tagged-members-upcount>
    <vlan-untagged-members-count>
      vlan-untagged-members-count
    </vlan-untagged-members-count>
    <vlan-untagged-members-upcount>
      vlan-untagged-members-upcount
    </vlan-untagged-members-upcount>
    <secondary-vlan-count>
      secondary-vlan-count
    </secondary-vlan-count>
    <isolated-vlan-count>
      isolated-vlan-count
    </isolated-vlan-count>
    <community-vlan-count>
      community-vlan-count

```

```

</community-vlan-count>
<isiv-vlan-count>
  isiv-vlan-count
</isiv-vlan-count>
<vlan-stp>
  vlan-stp
</vlan-stp>
<vlan-redundant-trunk-group>
  vlan-redundant-trunk-group
</vlan-redundant-trunk-group>
<vlan-unknown-unicast>
  vlan-unknown-unicast
</vlan-unknown-unicast>
<vlan-protocol-mac>
  vlan-protocol-mac
</vlan-protocol-mac>
<vlan-mac-entries-count>
  vlan-mac-entries-count
</vlan-mac-entries-count>
<untagged-vlan-member-list>....</untagged-vlan-member-list>
<tagged-vlan-member-list>....</tagged-vlan-member-list>
<mac-based-vlan-member-list>....</mac-based-vlan-member-list>
<push-vlan-member-list>....</push-vlan-member-list>
<policy-vlan-member-list>....</policy-vlan-member-list>
<swap-vlan-member-list>....</swap-vlan-member-list>
<vlan-member-list>....</vlan-member-list>
<vlan-mapping-summary>....</vlan-mapping-summary>
<vlan-mapping-list>....</vlan-mapping-list>
<private-vlan-isolated-list>....</private-vlan-isolated-list>
<private-vlan-community-list>....</private-vlan-community-list>
<isiv-vlan>
  isiv-vlan
</isiv-vlan>
<private-vlan-secondary-list>....</private-vlan-secondary-list>
</vlan-detail>
</vlan>

```

## Description

### <vlan-detail>

## Usage

```

<vlan-information>
<vlan>
  <vlan-detail>
    <vlan-hardware-token>
      vlan-hardware-token
    </vlan-hardware-token>
    <vlan-mac-aging-time>
      vlan-mac-aging-time
    </vlan-mac-aging-time>
    <vlan-tagged-members-count>
      vlan-tagged-members-count
    </vlan-tagged-members-count>
    <vlan-tagged-members-upcount>

```

```

    vlan-tagged-members-upcount
  </vlan-tagged-members-upcount>
  <vlan-untagged-members-count>
    vlan-untagged-members-count
  </vlan-untagged-members-count>
  <vlan-untagged-members-upcount>
    vlan-untagged-members-upcount
  </vlan-untagged-members-upcount>
  <secondary-vlan-count>
    secondary-vlan-count
  </secondary-vlan-count>
  <isolated-vlan-count>
    isolated-vlan-count
  </isolated-vlan-count>
  <community-vlan-count>
    community-vlan-count
  </community-vlan-count>
  <isiv-vlan-count>
    isiv-vlan-count
  </isiv-vlan-count>
  <vlan-stp>
    vlan-stp
  </vlan-stp>
  <vlan-redundant-trunk-group>
    vlan-redundant-trunk-group
  </vlan-redundant-trunk-group>
  <vlan-unknown-unicast>
    vlan-unknown-unicast
  </vlan-unknown-unicast>
  <vlan-protocol-mac>
    vlan-protocol-mac
  </vlan-protocol-mac>
  <vlan-mac-entries-count>
    vlan-mac-entries-count
  </vlan-mac-entries-count>
  <untagged-vlan-member-list>....</untagged-vlan-member-list>
  <tagged-vlan-member-list>....</tagged-vlan-member-list>
  <mac-based-vlan-member-list>....</mac-based-vlan-member-list>
  <push-vlan-member-list>....</push-vlan-member-list>
  <policy-vlan-member-list>....</policy-vlan-member-list>
  <swap-vlan-member-list>....</swap-vlan-member-list>
  <vlan-member-list>....</vlan-member-list>
  <vlan-mapping-summary>....</vlan-mapping-summary>
  <vlan-mapping-list>....</vlan-mapping-list>
  <private-vlan-isolated-list>....</private-vlan-isolated-list>
  <private-vlan-community-list>....</private-vlan-community-list>
  <isiv-vlan>
    isiv-vlan
  </isiv-vlan>
  <private-vlan-secondary-list>....</private-vlan-secondary-list>
</vlan-detail>
</vlan>
</vlan-information>

```

**Description****<vlan-information>****Usage**

```
<vlan-information>
  <vlan-summary>....</vlan-summary>
  <vlan-terse>
    vlan-terse
  </vlan-terse>
  <vlan>....</vlan>
</vlan-information>
```

**Description** Operational VLAN information

**<vlan-map>****Usage**

```
<mstp-configuration>
  <vlan-map>
    <vlan-map-entry>....</vlan-map-entry>
  </vlan-map>
</mstp-configuration>
```

**Description****<vlan-map-entry>****Usage**

```
<mstp-configuration>
  <vlan-map>
    <vlan-map-entry>
      <msti-id>
        msti-id
      </msti-id>
      <vlan-string>
        vlan-string
      </vlan-string>
    </vlan-map-entry>
  </vlan-map>
</mstp-configuration>
```

**Description****<vlan-mapping-list>****Usage**

```
<vlan-mapping-list>
  <vlan-mapping-rule>....</vlan-mapping-rule>
</vlan-mapping-list>
```

## Description

## &lt;vlan-mapping-list&gt;

## Usage

```

<vlan>
  <vlan-detail>
    <vlan-mapping-list>
      <vlan-mapping-rule>....</vlan-mapping-rule>
    </vlan-mapping-list>
  </vlan-detail>
</vlan>

```

## Description

## &lt;vlan-mapping-list&gt;

## Usage

```

<vlan-information>
  <vlan>
    <vlan-detail>
      <vlan-mapping-list>
        <vlan-mapping-rule>....</vlan-mapping-rule>
      </vlan-mapping-list>
    </vlan-detail>
  </vlan>
</vlan-information>

```

## Description

## &lt;vlan-mapping-rule&gt;

## Usage

```

<vlan-mapping-list>
  <vlan-mapping-rule>
    <vlan-mapping-interface>
      vlan-mapping-interface
    </vlan-mapping-interface>
    <vlan-mapping-tag>
      vlan-mapping-tag
    </vlan-mapping-tag>
    <vlan-mapping-operation>
      vlan-mapping-operation
    </vlan-mapping-operation>
  </vlan-mapping-rule>
</vlan-mapping-list>

```

## Description

## &lt;vlan-mapping-rule&gt;

## Usage

```

<vlan>

```

```
<vlan-detail>
  <vlan-mapping-list>
    <vlan-mapping-rule>
      <vlan-mapping-interface>
        vlan-mapping-interface
      </vlan-mapping-interface>
      <vlan-mapping-tag>
        vlan-mapping-tag
      </vlan-mapping-tag>
      <vlan-mapping-operation>
        vlan-mapping-operation
      </vlan-mapping-operation>
    </vlan-mapping-rule>
  </vlan-mapping-list>
</vlan-detail>
</vlan>
```

#### Description

### <vlan-mapping-rule>

#### Usage

```
<vlan-information>
  <vlan>
    <vlan-detail>
      <vlan-mapping-list>
        <vlan-mapping-rule>
          <vlan-mapping-interface>
            vlan-mapping-interface
          </vlan-mapping-interface>
          <vlan-mapping-tag>
            vlan-mapping-tag
          </vlan-mapping-tag>
          <vlan-mapping-operation>
            vlan-mapping-operation
          </vlan-mapping-operation>
        </vlan-mapping-rule>
      </vlan-mapping-list>
    </vlan-detail>
  </vlan>
</vlan-information>
```

#### Description

### <vlan-mapping-summary>

#### Usage

```
<vlan-mapping-summary>
  <vlan-push-members-count>
    vlan-push-members-count
  </vlan-push-members-count>
  <vlan-push-members-upcount>
    vlan-push-members-upcount
  </vlan-push-members-upcount>
```

```

<vlan-policy-members-count>
  vlan-policy-members-count
</vlan-policy-members-count>
<vlan-policy-members-upcount>
  vlan-policy-members-upcount
</vlan-policy-members-upcount>
<vlan-swap-members-count>
  vlan-swap-members-count
</vlan-swap-members-count>
<vlan-swap-members-upcount>
  vlan-swap-members-upcount
</vlan-swap-members-upcount>
</vlan-mapping-summary>

```

#### Description

### <vlan-mapping-summary>

#### Usage

```

<vlan>
  <vlan-detail>
    <vlan-mapping-summary>
      <vlan-push-members-count>
        vlan-push-members-count
      </vlan-push-members-count>
      <vlan-push-members-upcount>
        vlan-push-members-upcount
      </vlan-push-members-upcount>
      <vlan-policy-members-count>
        vlan-policy-members-count
      </vlan-policy-members-count>
      <vlan-policy-members-upcount>
        vlan-policy-members-upcount
      </vlan-policy-members-upcount>
      <vlan-swap-members-count>
        vlan-swap-members-count
      </vlan-swap-members-count>
      <vlan-swap-members-upcount>
        vlan-swap-members-upcount
      </vlan-swap-members-upcount>
    </vlan-mapping-summary>
  </vlan-detail>
</vlan>

```

#### Description

### <vlan-mapping-summary>

#### Usage

```

<vlan-information>
  <vlan>
    <vlan-detail>
      <vlan-mapping-summary>
        <vlan-push-members-count>

```

```
    vlan-push-members-count
  </vlan-push-members-count>
  <vlan-push-members-upcount>
    vlan-push-members-upcount
  </vlan-push-members-upcount>
  <vlan-policy-members-count>
    vlan-policy-members-count
  </vlan-policy-members-count>
  <vlan-policy-members-upcount>
    vlan-policy-members-upcount
  </vlan-policy-members-upcount>
  <vlan-swap-members-count>
    vlan-swap-members-count
  </vlan-swap-members-count>
  <vlan-swap-members-upcount>
    vlan-swap-members-upcount
  </vlan-swap-members-upcount>
</vlan-mapping-summary>
</vlan-detail>
</vlan>
</vlan-information>
```

## Description

### <vlan-member>

#### Usage

```
<vlan-member-list>
  <vlan-member>
    <vlan-member-interface>
      vlan-member-interface
    </vlan-member-interface>
    <vlan-member-tagness>
      vlan-member-tagness
    </vlan-member-tagness>
    <vlan-member-port-mode>
      vlan-member-port-mode
    </vlan-member-port-mode>
    <vlan-member-pvlan-trunk-mode>
      vlan-member-pvlan-trunk-mode
    </vlan-member-pvlan-trunk-mode>
    <vlan-membership-type>
      vlan-membership-type
    </vlan-membership-type>
    <vlan-protocol-mac-address>
      vlan-protocol-mac-address
    </vlan-protocol-mac-address>
    <vlan-mac-member-tagness>
      vlan-mac-member-tagness
    </vlan-mac-member-tagness>
  </vlan-member>
</vlan-member-list>
```

## Description



## <vlan-member>

### Usage

```

<vlan>
  <vlan-detail>
    <vlan-member-list>
      <vlan-member>
        <vlan-member-interface>
          vlan-member-interface
        </vlan-member-interface>
        <vlan-member-tagness>
          vlan-member-tagness
        </vlan-member-tagness>
        <vlan-member-port-mode>
          vlan-member-port-mode
        </vlan-member-port-mode>
        <vlan-member-pvlan-trunk-mode>
          vlan-member-pvlan-trunk-mode
        </vlan-member-pvlan-trunk-mode>
        <vlan-membership-type>
          vlan-membership-type
        </vlan-membership-type>
        <vlan-protocol-mac-address>
          vlan-protocol-mac-address
        </vlan-protocol-mac-address>
        <vlan-mac-member-tagness>
          vlan-mac-member-tagness
        </vlan-mac-member-tagness>
      </vlan-member>
    </vlan-member-list>
  </vlan-detail>
</vlan>

```

### Description

## <vlan-member>

### Usage

```

<vlan-information>
  <vlan>
    <vlan-detail>
      <vlan-member-list>
        <vlan-member>
          <vlan-member-interface>
            vlan-member-interface
          </vlan-member-interface>
          <vlan-member-tagness>
            vlan-member-tagness
          </vlan-member-tagness>
          <vlan-member-port-mode>
            vlan-member-port-mode
          </vlan-member-port-mode>
          <vlan-member-pvlan-trunk-mode>
            vlan-member-pvlan-trunk-mode

```

```
</vlan-member-pvlan-trunk-mode>
<vlan-membership-type>
  vlan-membership-type
</vlan-membership-type>
<vlan-protocol-mac-address>
  vlan-protocol-mac-address
</vlan-protocol-mac-address>
<vlan-mac-member-tagness>
  vlan-mac-member-tagness
</vlan-mac-member-tagness>
</vlan-member>
</vlan-member-list>
</vlan-detail>
</vlan>
</vlan-information>
```

#### Description

### <vlan-member-list>

#### Usage

```
<vlan-member-list>
  <vlan-member>....</vlan-member>
</vlan-member-list>
```

#### Description

### <vlan-member-list>

#### Usage

```
<vlan>
  <vlan-detail>
    <vlan-member-list>
      <vlan-member>....</vlan-member>
    </vlan-member-list>
  </vlan-detail>
</vlan>
```

#### Description

### <vlan-member-list>

#### Usage

```
<vlan-information>
  <vlan>
    <vlan-detail>
      <vlan-member-list>
        <vlan-member>....</vlan-member>
      </vlan-member-list>
    </vlan-detail>
  </vlan>
</vlan-information>
```

## Description

## &lt;vlan-summary&gt;

## Usage

```

<vlan-information>
  <vlan-summary>
    <vlan-total-count>
      vlan-total-count
    </vlan-total-count>
    <vlan-configured-count>
      vlan-configured-count
    </vlan-configured-count>
    <vlan-dynamic-count>
      vlan-dynamic-count
    </vlan-dynamic-count>
    <vlan-internal-count>
      vlan-internal-count
    </vlan-internal-count>
    <vlan-temporary-count>
      vlan-temporary-count
    </vlan-temporary-count>
    <vlan-dot1q-total-count>
      vlan-dot1q-total-count
    </vlan-dot1q-total-count>
    <vlan-dot1q-tagged-count>
      vlan-dot1q-tagged-count
    </vlan-dot1q-tagged-count>
    <vlan-dot1q-untagged-count>
      vlan-dot1q-untagged-count
    </vlan-dot1q-untagged-count>
    <vlan-dot1q-private-primary-count>
      vlan-dot1q-private-primary-count
    </vlan-dot1q-private-primary-count>
    <vlan-dot1q-private-community-count>
      vlan-dot1q-private-community-count
    </vlan-dot1q-private-community-count>
    <vlan-dot1q-private-isolated-count>
      vlan-dot1q-private-isolated-count
    </vlan-dot1q-private-isolated-count>
    <vlan-dot1q-tunneled-count>
      vlan-dot1q-tunneled-count
    </vlan-dot1q-tunneled-count>
    <vlan-dot1q-tunneled-private-primary-count>
      vlan-dot1q-tunneled-private-primary-count
    </vlan-dot1q-tunneled-private-primary-count>
    <vlan-dot1q-tunneled-private-community-count>
      vlan-dot1q-tunneled-private-community-count
    </vlan-dot1q-tunneled-private-community-count>
    <vlan-dot1q-tunneled-private-isolated-count>
      vlan-dot1q-tunneled-private-isolated-count
    </vlan-dot1q-tunneled-private-isolated-count>
    <vlan-dynamic-dot1x-count>
      vlan-dynamic-dot1x-count
    </vlan-dynamic-dot1x-count>
    <vlan-dynamic-mvrp-count>

```

```
        vlan-dynamic-mvrp-count
      </vlan-dynamic-mvrp-count>
    </vlan-summary>
  </vlan-information>
```

## Description

### <vst-bridge-parameters>

#### Usage

```
<vst-bridge-parameters>
  <vlan-id>
    vlan-id
  </vlan-id>
  <root-bridge>....</root-bridge>
  <root-port>
    root-port
  </root-port>
  <root-cost>
    root-cost
  </root-cost>
  <hello-time-learned>
    hello-time-learned
  </hello-time-learned>
  <max-age-learned>
    max-age-learned
  </max-age-learned>
  <forward-delay-learned>
    forward-delay-learned
  </forward-delay-learned>
  <message-age>
    message-age
  </message-age>
  <time-since-last-topology-change>
    time-since-last-topology-change
  </time-since-last-topology-change>
  <topology-change-count>
    topology-change-count
  </topology-change-count>
  <topology-change-initiator>
    topology-change-initiator
  </topology-change-initiator>
  <topology-change-last-received-from>
    topology-change-last-received-from
  </topology-change-last-received-from>
  <extended-system-id>
    extended-system-id
  </extended-system-id>
  <internal-instance-id>
    internal-instance-id
  </internal-instance-id>
  <this-bridge>....</this-bridge>
  <hello-time-configured>
    hello-time-configured
  </hello-time-configured>
```

```

<max-age-configured>
  max-age-configured
</max-age-configured>
<forward-delay-configured>
  forward-delay-configured
</forward-delay-configured>
<path-cost-method>
  path-cost-method
</path-cost-method>
</vst-bridge-parameters>

```

**Description** STP bridge parameters for VLAN Spanning Tree

### <vst-bridge-parameters>

#### Usage

```

<stp-bridge>
  <vst-bridge-parameters>
    <vlan-id>
      vlan-id
    </vlan-id>
    <root-bridge>....</root-bridge>
    <root-port>
      root-port
    </root-port>
    <root-cost>
      root-cost
    </root-cost>
    <hello-time-learned>
      hello-time-learned
    </hello-time-learned>
    <max-age-learned>
      max-age-learned
    </max-age-learned>
    <forward-delay-learned>
      forward-delay-learned
    </forward-delay-learned>
    <message-age>
      message-age
    </message-age>
    <time-since-last-topology-change>
      time-since-last-topology-change
    </time-since-last-topology-change>
    <topology-change-count>
      topology-change-count
    </topology-change-count>
    <topology-change-initiator>
      topology-change-initiator
    </topology-change-initiator>
    <topology-change-last-received-from>
      topology-change-last-received-from
    </topology-change-last-received-from>
    <extended-system-id>
      extended-system-id

```

```
</extended-system-id>
<internal-instance-id>
  internal-instance-id
</internal-instance-id>
<this-bridge>....</this-bridge>
<hello-time-configured>
  hello-time-configured
</hello-time-configured>
<max-age-configured>
  max-age-configured
</max-age-configured>
<forward-delay-configured>
  forward-delay-configured
</forward-delay-configured>
<path-cost-method>
  path-cost-method
</path-cost-method>
</vst-bridge-parameters>
</stp-bridge>
```

**Description** STP bridge parameters for VLAN Spanning Tree

### <vstp-interface-statistics>

#### Usage

```
<stp-interface-statistics>
<vstp-interface-statistics>
  <vlan-id>
    vlan-id
  </vlan-id>
  <stp-interface-statistics-entry>....</stp-interface-statistics-entry>
</vstp-interface-statistics>
</stp-interface-statistics>
```

**Description** Statistics information about one or more VLAN STP interfaces

### <vstp-statistics>

#### Usage

```
<vstp-statistics>
<vlan-id>
  vlan-id
</vlan-id>
<message-type>
  message-type
</message-type>
<total-bpdus-sent>
  total-bpdus-sent
</total-bpdus-sent>
<total-bpdus-received>
  total-bpdus-received
</total-bpdus-received>
```

```
<bpdus-sent-5seconds>
  bpdus-sent-5seconds
</bpdus-sent-5seconds>
<bpdus-received-5seconds>
  bpdus-received-5seconds
</bpdus-received-5seconds>
</vstp-statistics>
```

**Description** VLAN Spanning Tree Protocol statistics

### <vstp-statistics>

#### Usage

```
<stp-context-statistics-information>
  <vstp-statistics>
    <vlan-id>
      vlan-id
    </vlan-id>
    <message-type>
      message-type
    </message-type>
    <total-bpdus-sent>
      total-bpdus-sent
    </total-bpdus-sent>
    <total-bpdus-received>
      total-bpdus-received
    </total-bpdus-received>
    <bpdus-sent-5seconds>
      bpdus-sent-5seconds
    </bpdus-sent-5seconds>
    <bpdus-received-5seconds>
      bpdus-received-5seconds
    </bpdus-received-5seconds>
  </vstp-statistics>
</stp-context-statistics-information>
```

**Description** VLAN Spanning Tree Protocol statistics

---

## Summary of sFlow Response Tags

### <clear-flow-ipaction-information>

#### Usage

```
<clear-flow-ipaction-information>
  <cleared-flow-ipaction-count>
    cleared-flow-ipaction-count
  </cleared-flow-ipaction-count>
</clear-flow-ipaction-information>
```

**Description** Information about cleared ip-action entries

## <clear-flow-session-information>

### Usage

```
<clear-flow-session-information>
  <cleared-flow-session-count>
    cleared-flow-session-count
  </cleared-flow-session-count>
</clear-flow-session-information>
```

**Description** Information about cleared sessions

## <flow-application-session-summary-information>

### Usage

```
<flow-application-session-summary-information>
  <fpc>
    fpc
  </fpc>
  <pic>
    pic
  </pic>
  <active-app-sessions>
    active-app-sessions
  </active-app-sessions>
</flow-application-session-summary-information>
```

**Description** Summary information for application session

## <flow-forwarding-mode>

### Usage

```
<flow-status-all>
  <flow-forwarding-mode>
    <flow-forwarding-mode-inet>
      flow-forwarding-mode-inet
    </flow-forwarding-mode-inet>
    <flow-forwarding-mode-inet-reboot-status>
      flow-forwarding-mode-inet-reboot-status
    </flow-forwarding-mode-inet-reboot-status>
    <flow-forwarding-mode-inet6>
      flow-forwarding-mode-inet6
    </flow-forwarding-mode-inet6>
    <flow-forwarding-mode-inet6-reboot-status>
      flow-forwarding-mode-inet6-reboot-status
    </flow-forwarding-mode-inet6-reboot-status>
    <flow-forwarding-mode-mpls>
      flow-forwarding-mode-mpls
    </flow-forwarding-mode-mpls>
    <flow-forwarding-mode-mpls-reboot-status>
      flow-forwarding-mode-mpls-reboot-status
    </flow-forwarding-mode-mpls-reboot-status>
  </flow-forwarding-mode>
  <flow-forwarding-mode-iso>
```



```

        flow-forwarding-mode-iso
      </flow-forwarding-mode-iso>
    </flow-forwarding-mode>
  </flow-status-all>

```

**Description** Forwarding mode

## <flow-gate-information>

### Usage

```

<flow-gate-information>
  <flow-gate-fpc-pic-id>
    flow-gate-fpc-pic-id
  </flow-gate-fpc-pic-id>
  <gate>....</gate>
  <displayed-gate-valid>
    displayed-gate-valid
  </displayed-gate-valid>
  <displayed-gate-pending>
    displayed-gate-pending
  </displayed-gate-pending>
  <displayed-gate-invalidated>
    displayed-gate-invalidated
  </displayed-gate-invalidated>
  <displayed-gate-other>
    displayed-gate-other
  </displayed-gate-other>
  <displayed-gate-count>
    displayed-gate-count
  </displayed-gate-count>
  <displayed-gate-max>
    displayed-gate-max
  </displayed-gate-max>
</flow-gate-information>

```

**Description**

## <flow-information>

### Usage

```

<flow-information>
  <direction>
    direction
  </direction>
  <interface-name>
    interface-name
  </interface-name>
  <source-address>
    source-address
  </source-address>
  <source-port>
    source-port
  </source-port>

```

```
<destination-address>
  destination-address
</destination-address>
<destination-port>
  destination-port
</destination-port>
<protocol>
  protocol
</protocol>
<session-token>
  session-token
</session-token>
<route>
  route
</route>
<gateway>
  gateway
</gateway>
<tunnel-information>
  tunnel-information
</tunnel-information>
<path-mtu>
  path-mtu
</path-mtu>
<flag>
  flag
</flag>
<seq-ack-diff>
  seq-ack-diff
</seq-ack-diff>
<port-sequence>
  port-sequence
</port-sequence>
<cookie>
  cookie
</cookie>
<fin-sequence>
  fin-sequence
</fin-sequence>
<fin-state>
  fin-state
</fin-state>
<pkt-cnt>
  pkt-cnt
</pkt-cnt>
<byte-cnt>
  byte-cnt
</byte-cnt>
</flow-information>
```

**Description** Information about one or more flows

**<flow-information>****Usage**

```

<flow-session-information>
<flow-session>
  <flow-information>
    <direction>
      direction
    </direction>
    <interface-name>
      interface-name
    </interface-name>
    <source-address>
      source-address
    </source-address>
    <source-port>
      source-port
    </source-port>
    <destination-address>
      destination-address
    </destination-address>
    <destination-port>
      destination-port
    </destination-port>
    <protocol>
      protocol
    </protocol>
    <session-token>
      session-token
    </session-token>
    <route>
      route
    </route>
    <gateway>
      gateway
    </gateway>
    <tunnel-information>
      tunnel-information
    </tunnel-information>
    <path-mtu>
      path-mtu
    </path-mtu>
    <flag>
      flag
    </flag>
    <seq-ack-diff>
      seq-ack-diff
    </seq-ack-diff>
    <port-sequence>
      port-sequence
    </port-sequence>
    <cookie>
      cookie
    </cookie>
  </flow-information>
</flow-session>
</flow-session-information>

```

```
    fin-sequence
  </fin-sequence>
  <fin-state>
    fin-state
  </fin-state>
  <pkt-cnt>
    pkt-cnt
  </pkt-cnt>
  <byte-cnt>
    byte-cnt
  </byte-cnt>
</flow-information>
</flow-session>
</flow-session-information>
```

**Description** Information about one or more flows

## <flow-ipaction-entry>

### Usage

```
<flow-ipaction-information>
  <flow-ipaction-entry>
    <source-address>
      source-address
    </source-address>
    <source-port>
      source-port
    </source-port>
    <destination-address>
      destination-address
    </destination-address>
    <protocol>
      protocol
    </protocol>
    <destination-port>
      destination-port
    </destination-port>
    <ip-action-timeout>
      ip-action-timeout
    </ip-action-timeout>
    <from-zone>
      from-zone
    </from-zone>
    <ip-action>
      ip-action
    </ip-action>
    <logical-system>
      logical-system
    </logical-system>
  </flow-ipaction-entry>
</flow-ipaction-information>
```

**Description** Information about ip-action entry

## <flow-ipaction-information>

### Usage

```
<flow-ipaction-information>
  <flow-ipaction-entry>....</flow-ipaction-entry>
</flow-ipaction-information>
```

**Description** Information about ip-action table

## <flow-ipaction-v6-entry>

### Usage

```
<flow-ipaction-v6-information>
  <flow-ipaction-v6-entry>
    <source-address>
      source-address
    </source-address>
    <source-port>
      source-port
    </source-port>
    <destination-address>
      destination-address
    </destination-address>
    <destination-port>
      destination-port
    </destination-port>
    <protocol>
      protocol
    </protocol>
    <ip-action-timeout>
      ip-action-timeout
    </ip-action-timeout>
    <from-zone>
      from-zone
    </from-zone>
    <ip-action>
      ip-action
    </ip-action>
    <logical-system>
      logical-system
    </logical-system>
  </flow-ipaction-v6-entry>
</flow-ipaction-v6-information>
```

**Description** Information about ip-action entry

## <flow-ipaction-v6-information>

### Usage

```
<flow-ipaction-v6-information>
  <flow-ipaction-v6-entry>....</flow-ipaction-v6-entry>
```

</flow-ipaction-v6-information>

**Description** Information about ip-action table

## <flow-session>

### Usage

```
<flow-session-information>
  <flow-session>
    <session-identifier>
      session-identifier
    </session-identifier>
    <session-flag>
      session-flag
    </session-flag>
    <session-state>
      session-state
    </session-state>
    <sess-state>
      sess-state
    </sess-state>
    <logical-system>
      logical-system
    </logical-system>
    <policy>
      policy
    </policy>
    <application-name>
      application-name
    </application-name>
    <application-value>
      application-value
    </application-value>
    <nat-source-pool-name>
      nat-source-pool-name
    </nat-source-pool-name>
    <dynamic-application-name>
      dynamic-application-name
    </dynamic-application-name>
    <dynamic-nested-application-name>
      dynamic-nested-application-name
    </dynamic-nested-application-name>
    <application-firewall-rule-set-name>
      application-firewall-rule-set-name
    </application-firewall-rule-set-name>
    <application-firewall-rule-name>
      application-firewall-rule-name
    </application-firewall-rule-name>
    <timeout>
      timeout
    </timeout>
    <configured-timeout>
      configured-timeout
    </configured-timeout>
```

```

<status>
  status
</status>
<wan-acceleration>
  wan-acceleration
</wan-acceleration>
<start-time>
  start-time
</start-time>
<duration>
  duration
</duration>
<session-mask>
  session-mask
</session-mask>
<app-name>
  app-name
</app-name>
<app-status>
  app-status
</app-status>
<app-action>
  app-action
</app-action>
<module-name>
  module-name
</module-name>
<internal-module-identifier>
  internal-module-identifier
</internal-module-identifier>
<resource-manager-information>....</resource-manager-information>
<flow-information>....</flow-information>
<session-spu-id>
  session-spu-id
</session-spu-id>
</flow-session>
</flow-session-information>

```

**Description** Information about one or more session wings

## <flow-session-information>

### Usage

```

<flow-session-information>
  <flow-fpc-pic-id>
    flow-fpc-pic-id
  </flow-fpc-pic-id>
  <flow-session>....</flow-session>
  <displayed-session-valid>
    displayed-session-valid
  </displayed-session-valid>
  <displayed-session-pending>
    displayed-session-pending
  </displayed-session-pending>

```

```
<displayed-session-invalidated>
  displayed-session-invalidated
</displayed-session-invalidated>
<displayed-session-other>
  displayed-session-other
</displayed-session-other>
<displayed-session-count>
  displayed-session-count
</displayed-session-count>
<max-session-count>
  max-session-count
</max-session-count>
<max-inet6-session-count>
  max-inet6-session-count
</max-inet6-session-count>
</flow-session-information>
```

**Description** Information about a flow session

### <flow-session-summary-information>

#### Usage

```
<flow-session-summary-information>
<summary-family-header>
  summary-family-header
</summary-family-header>
<active-unicast-sessions>
  active-unicast-sessions
</active-unicast-sessions>
<active-multicast-sessions>
  active-multicast-sessions
</active-multicast-sessions>
<active-fast-forward-sessions>
  active-fast-forward-sessions
</active-fast-forward-sessions>
<failed-sessions>
  failed-sessions
</failed-sessions>
<active-sessions>
  active-sessions
</active-sessions>
<active-session-valid>
  active-session-valid
</active-session-valid>
<active-session-pending>
  active-session-pending
</active-session-pending>
<active-session-invalidated>
  active-session-invalidated
</active-session-invalidated>
<active-session-other>
  active-session-other
</active-session-other>
<max-sessions>
```



```

    max-sessions
  </max-sessions>
</flow-session-summary-information>

```

**Description** Summary information for flow sessions

## <flow-statistics-all>

### Usage

```

<flow-statistics-all>
  <flow-spu-id>
    flow-spu-id
  </flow-spu-id>
  <flow-session-count-valid>
    flow-session-count-valid
  </flow-session-count-valid>
  <flow-session-allocated-total>
    flow-session-allocated-total
  </flow-session-allocated-total>
  <flow-session-failed-total>
    flow-session-failed-total
  </flow-session-failed-total>
  <flow-pkt-count-fwd>
    flow-pkt-count-fwd
  </flow-pkt-count-fwd>
  <flow-pkt-count-drop>
    flow-pkt-count-drop
  </flow-pkt-count-drop>
  <flow-frag-count-fwd>
    flow-frag-count-fwd
  </flow-frag-count-fwd>
  <flow-session-valid-system>
    flow-session-valid-system
  </flow-session-valid-system>
</flow-statistics-all>

```

**Description** Display security flow statistics

## <flow-status-all>

### Usage

```

<flow-status-all>
  <flow-forwarding-mode>....</flow-forwarding-mode>
  <flow-tcp-options>....</flow-tcp-options>
  <flow-trace-option>....</flow-trace-option>
</flow-status-all>

```

**Description** Display security flow execution status

## <flow-tcp-options>

### Usage

```
<flow-status-all>
  <flow-tcp-options>
    <flow-tcp-sequence-check>
      flow-tcp-sequence-check
    </flow-tcp-sequence-check>
    <flow-tcp-mss>
      flow-tcp-mss
    </flow-tcp-mss>
  </flow-tcp-options>
</flow-status-all>
```

### Description

## <flow-trace-option>

### Usage

```
<flow-status-all>
  <flow-trace-option>
    <flow-trace-status>
      flow-trace-status
    </flow-trace-status>
    <flow-trace-options>
      flow-trace-options
    </flow-trace-options>
  </flow-trace-option>
</flow-status-all>
```

### Description

## <gate>

### Usage

```
<flow-gate-information>
  <gate>
    <protocol>
      protocol
    </protocol>
    <application-value>
      application-value
    </application-value>
    <application-name>
      application-name
    </application-name>
    <age>
      age
    </age>
    <flags>
      flags
    </flags>
  </gate>
</flow-gate-information>
```

```

    zone
  </zone>
  <logical-system>
    logical-system
  </logical-system>
  <parent-id>
    parent-id
  </parent-id>
  <reference-count>
    reference-count
  </reference-count>
  <resource>
    resource
  </resource>
  <nat-source-pool-name>
    nat-source-pool-name
  </nat-source-pool-name>
  <hole>....</hole>
  <translated-hole>....</translated-hole>
</gate>
</flow-gate-information>

```

## Description

<hole>

## Usage

```

<flow-gate-information>
  <gate>
    <hole>
      <source-address-start>
        source-address-start
      </source-address-start>
      <source-address-end>
        source-address-end
      </source-address-end>
      <source-port-start>
        source-port-start
      </source-port-start>
      <source-port-end>
        source-port-end
      </source-port-end>
      <destination-address-start>
        destination-address-start
      </destination-address-start>
      <destination-address-end>
        destination-address-end
      </destination-address-end>
      <destination-port-start>
        destination-port-start
      </destination-port-start>
      <destination-port-end>
        destination-port-end
      </destination-port-end>
    </hole>
  </gate>
</flow-gate-information>

```

```
</gate>
</flow-gate-information>
```

#### Description

### <resource-manager-information>

#### Usage

```
<resource-manager-information>
  <client-name>
    client-name
  </client-name>
  <group-identifier>
    group-identifier
  </group-identifier>
  <resource-identifier>
    resource-identifier
  </resource-identifier>
</resource-manager-information>
```

**Description** Information about the resource manager

### <resource-manager-information>

#### Usage

```
<flow-session-information>
  <flow-session>
    <resource-manager-information>
      <client-name>
        client-name
      </client-name>
      <group-identifier>
        group-identifier
      </group-identifier>
      <resource-identifier>
        resource-identifier
      </resource-identifier>
    </resource-manager-information>
  </flow-session>
</flow-session-information>
```

**Description** Information about the resource manager

### <total-active-sessions>

#### Usage

```
<total-active-sessions>
  <total-sessions>
    total-sessions
  </total-sessions>
```

</total-active-sessions>

**Description** Total active sessions

### <translated-hole>

#### Usage

```
<flow-gate-information>
  <gate>
    <translated-hole>
      <source-address>
        source-address
      </source-address>
      <source-port>
        source-port
      </source-port>
      <destination-address>
        destination-address
      </destination-address>
      <destination-port>
        destination-port
      </destination-port>
    </translated-hole>
  </gate>
</flow-gate-information>
```

**Description**

## Summary of Firewall Authentication Response Tags

### <firewall-authentication-history-details>

#### Usage

```
<firewall-authentication-history-details>
  <fwauth-history-info>....</fwauth-history-info>
  <fwauth-history-logical-system>....</fwauth-history-logical-system>
  <fwauth-history-table>....</fwauth-history-table>
</firewall-authentication-history-details>
```

**Description** History of firewall user authentication

### <firewall-authentication-history-specific>

#### Usage

```
<firewall-authentication-history-specific>
  <user-history-info>....</user-history-info>
</firewall-authentication-history-specific>
```

**Description** Historical authentication details of a specific firewall user

### <firewall-authentication-status>

#### Usage

```
<firewall-authentication-status>
  <running>
    running
  </running>
</firewall-authentication-status>
```

**Description** Status of firewall authentication service

### <firewall-authentication-table-details>

#### Usage

```
<firewall-authentication-table-details>
  <fwauth-table-info>....</fwauth-table-info>
  <fwauth-user-logical-system>....</fwauth-user-logical-system>
  <fwauth-users-table>....</fwauth-users-table>
</firewall-authentication-table-details>
```

**Description** Information about firewall users

### <firewall-authentication-users-specific>

#### Usage

```
<firewall-authentication-users-specific>
  <user-info>....</user-info>
</firewall-authentication-users-specific>
```

**Description** Authentication details of a specific firewall user

### <fwauth-entry>

#### Usage

```
<firewall-authentication-table-details>
  <fwauth-users-table>
    <fwauth-entry>
      <auth-id>
        auth-id
      </auth-id>
      <src-ip>
        src-ip
      </src-ip>
      <src-zone>
        src-zone
      </src-zone>
      <dst-zone>
        dst-zone
      </dst-zone>
      <access-profile>
```

```

        access-profile
      </access-profile>
    <age>
      age
    </age>
    <status>
      status
    </status>
    <user-name>
      user-name
    </user-name>
  </fwauth-entry>
</fwauth-users-table>
</firewall-authentication-table-details>

```

**Description** Current firewall user authentication information

### <fwauth-history>

#### Usage

```

<firewall-authentication-history-details>
  <fwauth-history-table>
    <fwauth-history>
      <auth-id>
        auth-id
      </auth-id>
      <src-ip>
        src-ip
      </src-ip>
      <start-date>
        start-date
      </start-date>
      <start-time>
        start-time
      </start-time>
      <duration>
        duration
      </duration>
      <status>
        status
      </status>
      <user-name>
        user-name
      </user-name>
    </fwauth-history>
  </fwauth-history-table>
</firewall-authentication-history-details>

```

**Description** History of firewall user authentication

### <fwauth-history-info>

**Usage**

```
<firewall-authentication-history-details>
  <fwauth-history-info>
    <fwauth-total-authentications>
      fwauth-total-authentications
    </fwauth-total-authentications>
  </fwauth-history-info>
</firewall-authentication-history-details>
```

**Description** Historical information about firewall authentication

### <fwauth-history-logical-system>

**Usage**

```
<firewall-authentication-history-details>
  <fwauth-history-logical-system>
    <history-logical-name>
      history-logical-name
    </history-logical-name>
  </fwauth-history-logical-system>
</firewall-authentication-history-details>
```

**Description** Logical system

### <fwauth-history-table>

**Usage**

```
<firewall-authentication-history-details>
  <fwauth-history-table>
    <fwauth-history>....</fwauth-history>
  </fwauth-history-table>
</firewall-authentication-history-details>
```

**Description**

### <fwauth-table-info>

**Usage**

```
<firewall-authentication-table-details>
  <fwauth-table-info>
    <fwauth-total-users>
      fwauth-total-users
    </fwauth-total-users>
  </fwauth-table-info>
</firewall-authentication-table-details>
```

**Description** Information about firewall authentication table



## <fwauth-user-logical-system>

### Usage

```

<firewall-authentication-table-details>
  <fwauth-user-logical-system>
    <user-logical-name>
      user-logical-name
    </user-logical-name>
  </fwauth-user-logical-system>
</firewall-authentication-table-details>

```

**Description** Logical system

## <fwauth-users-table>

### Usage

```

<firewall-authentication-table-details>
  <fwauth-users-table>
    <fwauth-entry>....</fwauth-entry>
  </fwauth-users-table>
</firewall-authentication-table-details>

```

**Description**

## <user-history-info>

### Usage

```

<firewall-authentication-history-specific>
  <user-history-info>
    <user-name>
      user-name
    </user-name>
    <src-ip>
      src-ip
    </src-ip>
    <status>
      status
    </status>
    <method>
      method
    </method>
    <start-date>
      start-date
    </start-date>
    <start-time>
      start-time
    </start-time>
    <duration>
      duration
    </duration>
    <lsys-name>
      lsys-name
    </lsys-name>
  </user-history-info>
</firewall-authentication-history-specific>

```

```
<src-zone>
  src-zone
</src-zone>
<dst-zone>
  dst-zone
</dst-zone>
<policy-name>
  policy-name
</policy-name>
<access-profile>
  access-profile
</access-profile>
<sent-bytes>
  sent-bytes
</sent-bytes>
<recd-bytes>
  recd-bytes
</recd-bytes>
<client-groups>
  client-groups
</client-groups>
</user-history-info>
</firewall-authentication-history-specific>
```

**Description** One Authentication history entry of the firewall user

## <user-info>

### Usage

```
<firewall-authentication-users-specific>
  <user-info>
    <user-name>
      user-name
    </user-name>
    <src-ip>
      src-ip
    </src-ip>
    <status>
      status
    </status>
    <method>
      method
    </method>
    <age>
      age
    </age>
    <access-time-remaining>
      access-time-remaining
    </access-time-remaining>
    <lsys-name>
      lsys-name
    </lsys-name>
    <src-zone>
      src-zone
```

```

</src-zone>
<dst-zone>
  dst-zone
</dst-zone>
<policy-name>
  policy-name
</policy-name>
<access-profile>
  access-profile
</access-profile>
<sess-ref-cnt>
  sess-ref-cnt
</sess-ref-cnt>
<intf-name>
  intf-name
</intf-name>
<sent-bytes>
  sent-bytes
</sent-bytes>
<recd-bytes>
  recd-bytes
</recd-bytes>
<client-groups>
  client-groups
</client-groups>
</user-info>
</firewall-authentication-users-specific>

```

**Description** One Authentication entry of the firewall user

## Summary of GPRS Tunneling Protocol Response Tags

### <clear-tunnel>

#### Usage

```

<gtp-clear-tunnel>
  <clear-tunnel>
    <clear-tunnel-status>
      clear-tunnel-status
    </clear-tunnel-status>
  </clear-tunnel>
</gtp-clear-tunnel>

```

#### Description

### <gtp-clear-tunnel>

#### Usage

```

<gtp-clear-tunnel>
  <clear-tunnel>....</clear-tunnel>
</gtp-clear-tunnel>

```

## Description

## &lt;gtp-information&gt;

## Usage

```
<gtp-information>
  <tunnel-information>....</tunnel-information>
</gtp-information>
```

## Description

## &lt;gtp-show-configuration&gt;

## Usage

```
<gtp-show-configuration>
  <show-profile-summary>....</show-profile-summary>
  <show-profile-detail>....</show-profile-detail>
  <show-profile-apns>....</show-profile-apns>
</gtp-show-configuration>
```

## Description

## &lt;show-profile-apns&gt;

## Usage

```
<gtp-show-configuration>
  <show-profile-apns>
    <show-apn-mcc-mnc>
      show-apn-mcc-mnc
    </show-apn-mcc-mnc>
    <show-apn-pattern>
      show-apn-pattern
    </show-apn-pattern>
    <show-apn-action>
      show-apn-action
    </show-apn-action>
    <show-apn-selection>
      show-apn-selection
    </show-apn-selection>
  </show-profile-apns>
</gtp-show-configuration>
```

## Description

## &lt;show-profile-detail&gt;

## Usage

```
<gtp-show-configuration>
  <show-profile-detail>
    <show-profile-detail-index>
      show-profile-detail-index
    </show-profile-detail-index>
    <show-profile-detail-min>
```

```
    show-profile-detail-min
</show-profile-detail-min>
<show-profile-detail-max>
    show-profile-detail-max
</show-profile-detail-max>
<show-profile-detail-timeout>
    show-profile-detail-timeout
</show-profile-detail-timeout>
<show-profile-detail-ratelimit>
    show-profile-detail-ratelimit
</show-profile-detail-ratelimit>
<show-profile-detail-remove-r6>
    show-profile-detail-remove-r6
</show-profile-detail-remove-r6>
<show-profile-detail-validated>
    show-profile-detail-validated
</show-profile-detail-validated>
<show-profile-detail-restart-path>
    show-profile-detail-restart-path
</show-profile-detail-restart-path>
<show-profile-detail-forwarded>
    show-profile-detail-forwarded
</show-profile-detail-forwarded>
<show-profile-detail-state-invalid>
    show-profile-detail-state-invalid
</show-profile-detail-state-invalid>
<show-profile-detail-prohibited>
    show-profile-detail-prohibited
</show-profile-detail-prohibited>
<show-profile-detail-rate-limited>
    show-profile-detail-rate-limited
</show-profile-detail-rate-limited>
<show-profile-detail-frequency-number>
    show-profile-detail-frequency-number
</show-profile-detail-frequency-number>
<show-profile-detail-aa-create-pdp>
    show-profile-detail-aa-create-pdp
</show-profile-detail-aa-create-pdp>
<show-profile-detail-aa-delete-pdp>
    show-profile-detail-aa-delete-pdp
</show-profile-detail-aa-delete-pdp>
<show-profile-detail-bearer-resource>
    show-profile-detail-bearer-resource
</show-profile-detail-bearer-resource>
<show-profile-detail-change-notification>
    show-profile-detail-change-notification
</show-profile-detail-change-notification>
<show-profile-detail-config-transfer>
    show-profile-detail-config-transfer
</show-profile-detail-config-transfer>
<show-profile-detail-context>
    show-profile-detail-context
</show-profile-detail-context>
<show-profile-detail-create-bearer>
    show-profile-detail-create-bearer
</show-profile-detail-create-bearer>
```

```
<show-profile-detail-create-data-forwarding>
  show-profile-detail-create-data-forwarding
</show-profile-detail-create-data-forwarding>
<show-profile-detail-create-pdp>
  show-profile-detail-create-pdp
</show-profile-detail-create-pdp>
<show-profile-detail-create-session>
  show-profile-detail-create-session
</show-profile-detail-create-session>
<show-profile-detail-create-tnl-forwarding>
  show-profile-detail-create-tnl-forwarding
</show-profile-detail-create-tnl-forwarding>
<show-profile-detail-cs-paging>
  show-profile-detail-cs-paging
</show-profile-detail-cs-paging>
<show-profile-detail-data-record>
  show-profile-detail-data-record
</show-profile-detail-data-record>
<show-profile-detail-delete-bearer>
  show-profile-detail-delete-bearer
</show-profile-detail-delete-bearer>
<show-profile-detail-delete-command>
  show-profile-detail-delete-command
</show-profile-detail-delete-command>
<show-profile-detail-delete-data-forwarding>
  show-profile-detail-delete-data-forwarding
</show-profile-detail-delete-data-forwarding>
<show-profile-detail-delete-pdn>
  show-profile-detail-delete-pdn
</show-profile-detail-delete-pdn>
<show-profile-detail-delete-pdp>
  show-profile-detail-delete-pdp
</show-profile-detail-delete-pdp>
<show-profile-detail-delete-session>
  show-profile-detail-delete-session
</show-profile-detail-delete-session>
<show-profile-detail-detach>
  show-profile-detail-detach
</show-profile-detail-detach>
<show-profile-detail-downlink-notification>
  show-profile-detail-downlink-notification
</show-profile-detail-downlink-notification>
<show-profile-detail-echo>
  show-profile-detail-echo
</show-profile-detail-echo>
<show-profile-detail-error-indication>
  show-profile-detail-error-indication
</show-profile-detail-error-indication>
<show-profile-detail-failure-report>
  show-profile-detail-failure-report
</show-profile-detail-failure-report>
<show-profile-detail-fwd-access>
  show-profile-detail-fwd-access
</show-profile-detail-fwd-access>
<show-profile-detail-fwd-relocation>
  show-profile-detail-fwd-relocation
```

```
</show-profile-detail-fwd-relocation>
<show-profile-detail-fwd-srns-context>
  show-profile-detail-fwd-srns-context
</show-profile-detail-fwd-srns-context>
<show-profile-detail-g-pdu>
  show-profile-detail-g-pdu
</show-profile-detail-g-pdu>
<show-profile-detail-identification>
  show-profile-detail-identification
</show-profile-detail-identification>
<show-profile-detail-mbms-sess-start>
  show-profile-detail-mbms-sess-start
</show-profile-detail-mbms-sess-start>
<show-profile-detail-mbms-sess-stop>
  show-profile-detail-mbms-sess-stop
</show-profile-detail-mbms-sess-stop>
<show-profile-detail-mbms-sess-update>
  show-profile-detail-mbms-sess-update
</show-profile-detail-mbms-sess-update>
<show-profile-detail-modify-bearer>
  show-profile-detail-modify-bearer
</show-profile-detail-modify-bearer>
<show-profile-detail-modify-command>
  show-profile-detail-modify-command
</show-profile-detail-modify-command>
<show-profile-detail-node-alive>
  show-profile-detail-node-alive
</show-profile-detail-node-alive>
<show-profile-detail-note-ms-present>
  show-profile-detail-note-ms-present
</show-profile-detail-note-ms-present>
<show-profile-detail-pdu-notification>
  show-profile-detail-pdu-notification
</show-profile-detail-pdu-notification>
<show-profile-detail-ran-info>
  show-profile-detail-ran-info
</show-profile-detail-ran-info>
<show-profile-detail-redirection>
  show-profile-detail-redirection
</show-profile-detail-redirection>
<show-profile-detail-release-access>
  show-profile-detail-release-access
</show-profile-detail-release-access>
<show-profile-detail-relocation-cancel>
  show-profile-detail-relocation-cancel
</show-profile-detail-relocation-cancel>
<show-profile-detail-resume>
  show-profile-detail-resume
</show-profile-detail-resume>
<show-profile-detail-send-route>
  show-profile-detail-send-route
</show-profile-detail-send-route>
<show-profile-detail-sgsn-context>
  show-profile-detail-sgsn-context
</show-profile-detail-sgsn-context>
<show-profile-detail-stop-paging>
```

```
    show-profile-detail-stop-paging
  </show-profile-detail-stop-paging>
  <show-profile-detail-supported-extension>
    show-profile-detail-supported-extension
  </show-profile-detail-supported-extension>
  <show-profile-detail-suspend>
    show-profile-detail-suspend
  </show-profile-detail-suspend>
  <show-profile-detail-trace-session>
    show-profile-detail-trace-session
  </show-profile-detail-trace-session>
  <show-profile-detail-update-bearer>
    show-profile-detail-update-bearer
  </show-profile-detail-update-bearer>
  <show-profile-detail-update-pdn>
    show-profile-detail-update-pdn
  </show-profile-detail-update-pdn>
  <show-profile-detail-update-pdp>
    show-profile-detail-update-pdp
  </show-profile-detail-update-pdp>
  <show-profile-detail-ver-not-supported>
    show-profile-detail-ver-not-supported
  </show-profile-detail-ver-not-supported>
</show-profile-detail>
</gtp-show-configuration>
```

#### Description

### <show-profile-summary>

#### Usage

```
<gtp-show-configuration>
  <show-profile-summary>
    <show-profile-list>
      show-profile-list
    </show-profile-list>
    <show-license-re>
      show-license-re
    </show-license-re>
    <show-license-spu>
      show-license-spu
    </show-license-spu>
  </show-profile-summary>
</gtp-show-configuration>
```

#### Description

### <tunnel-information>

#### Usage

```
<gtp-information>
  <tunnel-information>
    <chassis-total>
      chassis-total
    </chassis-total>
  </tunnel-information>
</gtp-information>
```



```
</chassis-total>
<spu-total>
  spu-total
</spu-total>
<fpc-slot>
  fpc-slot
</fpc-slot>
<pic-slot>
  pic-slot
</pic-slot>
<tunnel-index>
  tunnel-index
</tunnel-index>
<tunnel-version>
  tunnel-version
</tunnel-version>
<tunnel-sapi>
  tunnel-sapi
</tunnel-sapi>
<tunnel-timeout>
  tunnel-timeout
</tunnel-timeout>
<tunnel-sgsn-control-ip>
  tunnel-sgsn-control-ip
</tunnel-sgsn-control-ip>
<tunnel-sgsn-user-ip>
  tunnel-sgsn-user-ip
</tunnel-sgsn-user-ip>
<tunnel-ggsn-control-ip>
  tunnel-ggsn-control-ip
</tunnel-ggsn-control-ip>
<tunnel-ggsn-user-ip>
  tunnel-ggsn-user-ip
</tunnel-ggsn-user-ip>
<tunnel-sgsn-control-id>
  tunnel-sgsn-control-id
</tunnel-sgsn-control-id>
<tunnel-sgsn-user-id>
  tunnel-sgsn-user-id
</tunnel-sgsn-user-id>
<tunnel-high-control-id>
  tunnel-high-control-id
</tunnel-high-control-id>
<tunnel-low-user-id>
  tunnel-low-user-id
</tunnel-low-user-id>
<tunnel-direction>
  tunnel-direction
</tunnel-direction>
<tunnel-bearer_id>
  tunnel-bearer_id
</tunnel-bearer_id>
<tunnel-default-bearer_id>
  tunnel-default-bearer_id
</tunnel-default-bearer_id>
<tunnel-sgw-control-ip>
```

```
    tunnel-sgw-control-ip
  </tunnel-sgw-control-ip>
  <tunnel-sgw-user-ip>
    tunnel-sgw-user-ip
  </tunnel-sgw-user-ip>
  <tunnel-peer-control-ip>
    tunnel-peer-control-ip
  </tunnel-peer-control-ip>
  <tunnel-peer-user-ip>
    tunnel-peer-user-ip
  </tunnel-peer-user-ip>
  <tunnel-sgw-control-id>
    tunnel-sgw-control-id
  </tunnel-sgw-control-id>
  <tunnel-sgw-user-id>
    tunnel-sgw-user-id
  </tunnel-sgw-user-id>
  <tunnel-peer-control-id>
    tunnel-peer-control-id
  </tunnel-peer-control-id>
  <tunnel-peer-user-id>
    tunnel-peer-user-id
  </tunnel-peer-user-id>
</tunnel-information>
</gtp-information>
```

#### Description

---

### Summary of IDS Response Tags

---

#### <clear-ids-statistics-information>

##### Usage

```
<clear-ids-statistics-information>
  <clear-ids-statistics-status>....</clear-ids-statistics-status>
</clear-ids-statistics-information>
```

#### Description

#### <clear-ids-statistics-status>

##### Usage

```
<clear-ids-statistics-information>
  <clear-ids-statistics-status>
    <ids-clear-status>
      ids-clear-status
    </ids-clear-status>
  </clear-ids-statistics-status>
</clear-ids-statistics-information>
```

#### Description

## &lt;ids-statistics&gt;

## Usage

```

<show-ids-statistics-information>
<ids-statistics>
  <ids-statistics-icmp-flood>
    ids-statistics-icmp-flood
  </ids-statistics-icmp-flood>
  <ids-statistics-udp-flood>
    ids-statistics-udp-flood
  </ids-statistics-udp-flood>
  <ids-statistics-winnuke>
    ids-statistics-winnuke
  </ids-statistics-winnuke>
  <ids-statistics-port-scan>
    ids-statistics-port-scan
  </ids-statistics-port-scan>
  <ids-statistics-address-sweep>
    ids-statistics-address-sweep
  </ids-statistics-address-sweep>
  <ids-statistics-tcp-sweep>
    ids-statistics-tcp-sweep
  </ids-statistics-tcp-sweep>
  <ids-statistics-udp-sweep>
    ids-statistics-udp-sweep
  </ids-statistics-udp-sweep>
  <ids-statistics-tear-drop>
    ids-statistics-tear-drop
  </ids-statistics-tear-drop>
  <ids-statistics-syn-flood>
    ids-statistics-syn-flood
  </ids-statistics-syn-flood>
  <ids-statistics-ip-spoofing>
    ids-statistics-ip-spoofing
  </ids-statistics-ip-spoofing>
  <ids-statistics-ping-of-death>
    ids-statistics-ping-of-death
  </ids-statistics-ping-of-death>
  <ids-statistics-ip-option-src-route>
    ids-statistics-ip-option-src-route
  </ids-statistics-ip-option-src-route>
  <ids-statistics-land>
    ids-statistics-land
  </ids-statistics-land>
  <ids-statistics-syn-fragment>
    ids-statistics-syn-fragment
  </ids-statistics-syn-fragment>
  <ids-statistics-tcp-no-flag>
    ids-statistics-tcp-no-flag
  </ids-statistics-tcp-no-flag>
  <ids-statistics-unknown-protocol>
    ids-statistics-unknown-protocol
  </ids-statistics-unknown-protocol>
  <ids-statistics-ip-option-bad>
    ids-statistics-ip-option-bad

```

```

</ids-statistics-ip-option-bad>
<ids-statistics-ip-option-record-route>
  ids-statistics-ip-option-record-route
</ids-statistics-ip-option-record-route>
<ids-statistics-ip-option-timestamp>
  ids-statistics-ip-option-timestamp
</ids-statistics-ip-option-timestamp>
<ids-statistics-ip-option-security>
  ids-statistics-ip-option-security
</ids-statistics-ip-option-security>
<ids-statistics-ip-option-loose-src-route>
  ids-statistics-ip-option-loose-src-route
</ids-statistics-ip-option-loose-src-route>
<ids-statistics-ip-option-strict-src-route>
  ids-statistics-ip-option-strict-src-route
</ids-statistics-ip-option-strict-src-route>
<ids-statistics-ip-option-stream>
  ids-statistics-ip-option-stream
</ids-statistics-ip-option-stream>
<ids-statistics-icmp-fragment>
  ids-statistics-icmp-fragment
</ids-statistics-icmp-fragment>
<ids-statistics-icmp-large-pkt>
  ids-statistics-icmp-large-pkt
</ids-statistics-icmp-large-pkt>
<ids-statistics-syn-fin>
  ids-statistics-syn-fin
</ids-statistics-syn-fin>
<ids-statistics-fin-no-ack>
  ids-statistics-fin-no-ack
</ids-statistics-fin-no-ack>
<ids-statistics-src-session-limit>
  ids-statistics-src-session-limit
</ids-statistics-src-session-limit>
<ids-statistics-syn-ack-ack-proxy>
  ids-statistics-syn-ack-ack-proxy
</ids-statistics-syn-ack-ack-proxy>
<ids-statistics-block-fragment>
  ids-statistics-block-fragment
</ids-statistics-block-fragment>
<ids-statistics-dst-session-limit>
  ids-statistics-dst-session-limit
</ids-statistics-dst-session-limit>
</ids-statistics>
</show-ids-statistics-information>

```

## Description

### <ids-status>

## Usage

```

<show-ids-status>
  <ids-status>
    <ids-status-name>
      ids-status-name

```

```
</ids-status-name>
<ids-status-value>
  ids-status-value
</ids-status-value>
</ids-status>
</show-ids-status>
```

#### Description

### <show-ids-statistics-information>

#### Usage

```
<show-ids-statistics-information>
<ids-statistics>....</ids-statistics>
</show-ids-statistics-information>
```

#### Description

### <show-ids-status>

#### Usage

```
<show-ids-status>
<ids-status>....</ids-status>
</show-ids-status>
```

#### Description

## Summary of IPSec Response Tags

---

### <ah-statistics>

#### Usage

```
<ipsec-service-set-statistics>
<ipsec-statistics>
  <ah-statistics>
    <ah-input-bytes>
      ah-input-bytes
    </ah-input-bytes>
    <ah-output-bytes>
      ah-output-bytes
    </ah-output-bytes>
    <ah-input-packets>
      ah-input-packets
    </ah-input-packets>
    <ah-output-packets>
      ah-output-packets
    </ah-output-packets>
  </ah-statistics>
</ipsec-statistics>
</ipsec-service-set-statistics>
```

**Description****<ah-statistics>****Usage**

```
<ipsec-total-statistics>
  <ipsec-service-set-statistics>
    <ipsec-statistics>
      <ah-statistics>
        <ah-input-bytes>
          ah-input-bytes
        </ah-input-bytes>
        <ah-output-bytes>
          ah-output-bytes
        </ah-output-bytes>
        <ah-input-packets>
          ah-input-packets
        </ah-input-packets>
        <ah-output-packets>
          ah-output-packets
        </ah-output-packets>
      </ah-statistics>
    </ipsec-statistics>
  </ipsec-service-set-statistics>
</ipsec-total-statistics>
```

**Description****<ah-statistics>****Usage**

```
<ipsec-total-statistics-information>
  <ipsec-service-set-statistics>
    <ipsec-statistics>
      <ah-statistics>
        <ah-input-bytes>
          ah-input-bytes
        </ah-input-bytes>
        <ah-output-bytes>
          ah-output-bytes
        </ah-output-bytes>
        <ah-input-packets>
          ah-input-packets
        </ah-input-packets>
        <ah-output-packets>
          ah-output-packets
        </ah-output-packets>
      </ah-statistics>
    </ipsec-statistics>
  </ipsec-service-set-statistics>
</ipsec-total-statistics-information>
```

**Description**

**<ah-statistics>****Usage**

```

<usp-ipsec-total-statistics-information>
  <ah-statistics>
    <ah-input-bytes>
      ah-input-bytes
    </ah-input-bytes>
    <ah-output-bytes>
      ah-output-bytes
    </ah-output-bytes>
    <ah-input-packets>
      ah-input-packets
    </ah-input-packets>
    <ah-output-packets>
      ah-output-packets
    </ah-output-packets>
  </ah-statistics>
</usp-ipsec-total-statistics-information>

```

**Description****<alternate-subject-list>****Usage**

```

<alternate-subject-list>
  <alternate-subject>
    alternate-subject
  </alternate-subject>
</alternate-subject-list>

```

**Description****<alternate-subject-list>****Usage**

```

<x509-certificate-info>
  <alternate-subject-list>
    <alternate-subject>
      alternate-subject
    </alternate-subject>
  </alternate-subject-list>
</x509-certificate-info>

```

**Description****<alternate-subject-list>****Usage**

```

<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <alternate-subject-list>

```

```
<alternate-subject>
  alternate-subject
</alternate-subject>
</alternate-subject-list>
</x509-certificate-info>
</x509-pki-certificate-info-list>
```

#### Description

### <alternate-subject-list>

#### Usage

```
<x509-certificate-cache-info>
  <alternate-subject-list>
    <alternate-subject>
      alternate-subject
    </alternate-subject>
  </alternate-subject-list>
</x509-certificate-cache-info>
```

#### Description

### <alternate-subject-list>

#### Usage

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <alternate-subject-list>
      <alternate-subject>
        alternate-subject
      </alternate-subject>
    </alternate-subject-list>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

#### Description

### <auto-re-enrollment>

#### Usage

```
<auto-re-enrollment>
  <auto-re-enrollment-status>
    auto-re-enrollment-status
  </auto-re-enrollment-status>
  <auto-re-enrollment-next-trigger-time>
    auto-re-enrollment-next-trigger-time
  </auto-re-enrollment-next-trigger-time>
</auto-re-enrollment>
```

#### Description



**<auto-re-enrollment>****Usage**

```

<x509-certificate-info>
  <auto-re-enrollment>
    <auto-re-enrollment-status>
      auto-re-enrollment-status
    </auto-re-enrollment-status>
    <auto-re-enrollment-next-trigger-time>
      auto-re-enrollment-next-trigger-time
    </auto-re-enrollment-next-trigger-time>
  </auto-re-enrollment>
</x509-certificate-info>

```

**Description****<auto-re-enrollment>****Usage**

```

<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <auto-re-enrollment>
      <auto-re-enrollment-status>
        auto-re-enrollment-status
      </auto-re-enrollment-status>
      <auto-re-enrollment-next-trigger-time>
        auto-re-enrollment-next-trigger-time
      </auto-re-enrollment-next-trigger-time>
    </auto-re-enrollment>
  </x509-certificate-info>
</x509-pki-certificate-info-list>

```

**Description****<ca-certificate-enroll>****Usage**

```

<ca-certificate-enroll>
  <ca-subject>
    ca-subject
  </ca-subject>
  <fingerprint>.....</fingerprint>
</ca-certificate-enroll>

```

**Description** Dump the subject and fingerprint of received CA certificate

**<ca-certificate-enroll>****Usage**

```

<ca-certificate-enroll-list>
  <ca-certificate-enroll>
    <ca-subject>

```

```
    ca-subject
  </ca-subject>
  <fingerprint>....</fingerprint>
</ca-certificate-enroll>
</ca-certificate-enroll-list>
```

**Description** Dump the subject and fingerprint of received CA certificate

### <ca-certificate-enroll-list>

#### Usage

```
<ca-certificate-enroll-list>
  <ca-certificate-enroll-msg>
    ca-certificate-enroll-msg
  </ca-certificate-enroll-msg>
  <ca-certificate-enroll>....</ca-certificate-enroll>
</ca-certificate-enroll-list>
```

#### Description

### <cert-ca-load-status>

#### Usage

```
<cert-ca-load-status>
  <cert-ca-profile>
    cert-ca-profile
  </cert-ca-profile>
</cert-ca-load-status>
```

**Description** Certificate Authority certificate load status

### <cert-ca-manual-load>

#### Usage

```
<cert-ca-manual-load>
  <fingerprint>....</fingerprint>
</cert-ca-manual-load>
```

**Description** CA certificate manual-load prompt

### <cert-flag-info>

#### Usage

```
<cert-flag-info>
  <cert-flag-trust>
    cert-flag-trust
  </cert-flag-trust>
  <cert-flag-root>
    cert-flag-root
  </cert-flag-root>
```

</cert-flag-info>

**Description** Information about state of certificates present in the cache

### <cert-flag-info>

#### Usage

```
<x509-certificate-cache-info>
  <cert-flag-info>
    <cert-flag-trust>
      cert-flag-trust
    </cert-flag-trust>
    <cert-flag-root>
      cert-flag-root
    </cert-flag-root>
  </cert-flag-info>
</x509-certificate-cache-info>
```

**Description** Information about state of certificates present in the cache

### <cert-flag-info>

#### Usage

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <cert-flag-info>
      <cert-flag-trust>
        cert-flag-trust
      </cert-flag-trust>
      <cert-flag-root>
        cert-flag-root
      </cert-flag-root>
    </cert-flag-info>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description** Information about state of certificates present in the cache

### <cert-key-pair>

#### Usage

```
<cert-key-pair>
  <cert-key-pair-name>
    cert-key-pair-name
  </cert-key-pair-name>
  <cert-key-pair-size>
    cert-key-pair-size
  </cert-key-pair-size>
</cert-key-pair>
```

**Description**   Generate key pair status

### <cert-load-status>

**Usage**

```
<cert-load-status>
  <cert-certificate-id>
    cert-certificate-id
  </cert-certificate-id>
</cert-load-status>
```

**Description**   Local certificate load status

### <cert-request-dump>

**Usage**

```
<cert-request-dump>
  <cert-request-dump-msg>
    cert-request-dump-msg
  </cert-request-dump-msg>
  <cert-request-dump-file>....</cert-request-dump-file>
  <fingerprint>....</fingerprint>
</cert-request-dump>
```

**Description**   Dump the generated certificate request

### <cert-request-dump-file>

**Usage**

```
<cert-request-dump>
  <cert-request-dump-file>
    <cert-request-dump-file-content>
      cert-request-dump-file-content
    </cert-request-dump-file-content>
  </cert-request-dump-file>
</cert-request-dump>
```

**Description**   File contents

### <certificate-information>

**Usage**

```
<certificate-information>
  <certificates>....</certificates>
  <total-entries>
    total-entries
  </total-entries>
  <active-entries>
    active-entries
  </active-entries>
```

```

<locked-entries>
  locked-entries
</locked-entries>
<db-stats>....</db-stats>
</certificate-information>

```

## Description

### <certificates>

#### Usage

```

<certificates>
  <cert-subject>
    cert-subject
  </cert-subject>
  <cert-serial>
    cert-serial
  </cert-serial>
  <cert-id>
    cert-id
  </cert-id>
  <cert-references>
    cert-references
  </cert-references>
  <cert-issuer>
    cert-issuer
  </cert-issuer>
  <cert-trust>
    cert-trust
  </cert-trust>
  <cert-root>
    cert-root
  </cert-root>
  <cert-crl>
    cert-crl
  </cert-crl>
  <cert-before>
    cert-before
  </cert-before>
  <cert-after>
    cert-after
  </cert-after>
  <x509>....</x509>
</certificates>

```

**Description** Information about a single certificate

### <certificates>

#### Usage

```

<certificate-information>
  <certificates>
    <cert-subject>

```

```
    cert-subject
  </cert-subject>
  <cert-serial>
    cert-serial
  </cert-serial>
  <cert-id>
    cert-id
  </cert-id>
  <cert-references>
    cert-references
  </cert-references>
  <cert-issuer>
    cert-issuer
  </cert-issuer>
  <cert-trust>
    cert-trust
  </cert-trust>
  <cert-root>
    cert-root
  </cert-root>
  <cert-crl>
    cert-crl
  </cert-crl>
  <cert-before>
    cert-before
  </cert-before>
  <cert-after>
    cert-after
  </cert-after>
  <x509>....</x509>
</certificates>
</certificate-information>
```

**Description** Information about a single certificate

## <crl>

### Usage

```
<crl>
  <cert-issuer>
    cert-issuer
  </cert-issuer>
  <cert-id>
    cert-id
  </cert-id>
  <cert-references>
    cert-references
  </cert-references>
  <crl-list>....</crl-list>
</crl>
```

### Description

**<crl>****Usage**

```

<crl-information>
  <crl>
    <cert-issuer>
      cert-issuer
    </cert-issuer>
    <cert-id>
      cert-id
    </cert-id>
    <cert-references>
      cert-references
    </cert-references>
    <crl-list>....</crl-list>
  </crl>
</crl-information>

```

**Description****<crl-information>****Usage**

```

<crl-information>
  <crl>....</crl>
</crl-information>

```

**Description****<crl-issuer-alternate-subject-list>****Usage**

```

<crl-issuer-alternate-subject-list>
  <crl-issuer-alternate-subject>
    crl-issuer-alternate-subject
  </crl-issuer-alternate-subject>
</crl-issuer-alternate-subject-list>

```

**Description****<crl-issuer-alternate-subject-list>****Usage**

```

<x509-crl-information>
  <crl-issuer-alternate-subject-list>
    <crl-issuer-alternate-subject>
      crl-issuer-alternate-subject
    </crl-issuer-alternate-subject>
  </crl-issuer-alternate-subject-list>
</x509-crl-information>

```

**Description****<crl-issuer-alternate-subject-list>****Usage**

```
<x509-pki-crl-information-list>
  <x509-crl-information>
    <crl-issuer-alternate-subject-list>
      <crl-issuer-alternate-subject>
        crl-issuer-alternate-subject
      </crl-issuer-alternate-subject>
    </crl-issuer-alternate-subject-list>
  </x509-crl-information>
</x509-pki-crl-information-list>
```

**Description****<crl-issuer-detail>****Usage**

```
<x509-crl-information>
  <crl-issuer-detail>
    <distinguished-name>....</distinguished-name>
  </crl-issuer-detail>
</x509-crl-information>
```

**Description** Distinguished name of CRL issuer

**<crl-issuer-detail>****Usage**

```
<x509-pki-crl-information-list>
  <x509-crl-information>
    <crl-issuer-detail>
      <distinguished-name>....</distinguished-name>
    </crl-issuer-detail>
  </x509-crl-information>
</x509-pki-crl-information-list>
```

**Description** Distinguished name of CRL issuer

**<crl-list>****Usage**

```
<crl>
  <crl-list>
    <serial>
      serial
    </serial>
    <revocation-date>
      revocation-date
    </revocation-date>
```



```
</crl-list>
</crl>
```

**Description** Information about a single CRL entry

### <crl-list>

**Usage**

```
<crl-list>
  <serial>
    serial
  </serial>
  <revocation-date>
    revocation-date
  </revocation-date>
</crl-list>
```

**Description** Information about a single CRL entry

### <crl-list>

**Usage**

```
<crl-information>
  <crl>
    <crl-list>
      <serial>
        serial
      </serial>
      <revocation-date>
        revocation-date
      </revocation-date>
    </crl-list>
  </crl>
</crl-information>
```

**Description** Information about a single CRL entry

### <crl-load-status>

**Usage**

```
<crl-load-status>
  <ca-profile-name>
    ca-profile-name
  </ca-profile-name>
</crl-load-status>
```

**Description** Status of manual load of certificate revocation list

### <crl-revocation-list>

#### Usage

```
<crl-revocation-list>
  <revoked-cert-serial-number>
    revoked-cert-serial-number
  </revoked-cert-serial-number>
  <crl-revocation-date>
    crl-revocation-date
  </crl-revocation-date>
</crl-revocation-list>
```

#### Description

### <crl-revocation-list>

#### Usage

```
<x509-crl-information>
  <crl-revocation-list>
    <revoked-cert-serial-number>
      revoked-cert-serial-number
    </revoked-cert-serial-number>
    <crl-revocation-date>
      crl-revocation-date
    </crl-revocation-date>
  </crl-revocation-list>
</x509-crl-information>
```

#### Description

### <crl-revocation-list>

#### Usage

```
<x509-pki-crl-information-list>
  <x509-crl-information>
    <crl-revocation-list>
      <revoked-cert-serial-number>
        revoked-cert-serial-number
      </revoked-cert-serial-number>
      <crl-revocation-date>
        crl-revocation-date
      </crl-revocation-date>
    </crl-revocation-list>
  </x509-crl-information>
</x509-pki-crl-information-list>
```

#### Description

### <crl-validity>

#### Usage

```
<crl-validity>
```

```
<effective-date>
  effective-date
</effective-date>
<next-update>
  next-update
</next-update>
</crl-validity>
```

**Description** Information about validity period for X.509 certificate revocation list

### <crl-validity>

#### Usage

```
<x509-crl-information>
  <crl-validity>
    <effective-date>
      effective-date
    </effective-date>
    <next-update>
      next-update
    </next-update>
  </crl-validity>
</x509-crl-information>
```

**Description** Information about validity period for X.509 certificate revocation list

### <crl-validity>

#### Usage

```
<x509-pki-crl-information-list>
  <x509-crl-information>
    <crl-validity>
      <effective-date>
        effective-date
      </effective-date>
      <next-update>
        next-update
      </next-update>
    </crl-validity>
  </x509-crl-information>
</x509-pki-crl-information-list>
```

**Description** Information about validity period for X.509 certificate revocation list

### <db-stats>

#### Usage

```
<certificate-information>
  <db-stats>
</db-stats>
```

</certificate-information>

#### Description

<distinguished-name>

#### Usage

```
<distinguished-name>
  <organization-name>
    organization-name
  </organization-name>
  <organizational-unit-name>
    organizational-unit-name
  </organizational-unit-name>
  <country-name>
    country-name
  </country-name>
  <state-or-province-name>
    state-or-province-name
  </state-or-province-name>
  <locality-name>
    locality-name
  </locality-name>
  <common-name>
    common-name
  </common-name>
  <email-address>
    email-address
  </email-address>
  <domain-component>
    domain-component
  </domain-component>
</distinguished-name>
```

#### Description

<distinguished-name>

#### Usage

```
<x509-certificate-info>
  <issuer>
    <distinguished-name>
      <organization-name>
        organization-name
      </organization-name>
      <organizational-unit-name>
        organizational-unit-name
      </organizational-unit-name>
      <country-name>
        country-name
      </country-name>
      <state-or-province-name>
        state-or-province-name
      </state-or-province-name>
```

```

    <locality-name>
      locality-name
    </locality-name>
    <common-name>
      common-name
    </common-name>
    <email-address>
      email-address
    </email-address>
    <domain-component>
      domain-component
    </domain-component>
  </distinguished-name>
</issuer>
</x509-certificate-info>

```

#### Description

<distinguished-name>

#### Usage

```

<x509-certificate-info>
  <subject>
    <distinguished-name>
      <organization-name>
        organization-name
      </organization-name>
      <organizational-unit-name>
        organizational-unit-name
      </organizational-unit-name>
      <country-name>
        country-name
      </country-name>
      <state-or-province-name>
        state-or-province-name
      </state-or-province-name>
      <locality-name>
        locality-name
      </locality-name>
      <common-name>
        common-name
      </common-name>
      <email-address>
        email-address
      </email-address>
      <domain-component>
        domain-component
      </domain-component>
    </distinguished-name>
  </subject>
</x509-certificate-info>

```

#### Description

## <distinguished-name>

### Usage

```
<x509-crl-information>
  <crl-issuer-detail>
    <distinguished-name>
      <organization-name>
        organization-name
      </organization-name>
      <organizational-unit-name>
        organizational-unit-name
      </organizational-unit-name>
      <country-name>
        country-name
      </country-name>
      <state-or-province-name>
        state-or-province-name
      </state-or-province-name>
      <locality-name>
        locality-name
      </locality-name>
      <common-name>
        common-name
      </common-name>
      <email-address>
        email-address
      </email-address>
      <domain-component>
        domain-component
      </domain-component>
    </distinguished-name>
  </crl-issuer-detail>
</x509-crl-information>
```

### Description

## <distinguished-name>

### Usage

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <issuer>
      <distinguished-name>
        <organization-name>
          organization-name
        </organization-name>
        <organizational-unit-name>
          organizational-unit-name
        </organizational-unit-name>
        <country-name>
          country-name
        </country-name>
        <state-or-province-name>
          state-or-province-name

```

```

</state-or-province-name>
<locality-name>
  locality-name
</locality-name>
<common-name>
  common-name
</common-name>
<email-address>
  email-address
</email-address>
<domain-component>
  domain-component
</domain-component>
</distinguished-name>
</issuer>
</x509-certificate-info>
</x509-pki-certificate-info-list>

```

## Description

### <distinguished-name>

#### Usage

```

<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <subject>
      <distinguished-name>
        <organization-name>
          organization-name
        </organization-name>
        <organizational-unit-name>
          organizational-unit-name
        </organizational-unit-name>
        <country-name>
          country-name
        </country-name>
        <state-or-province-name>
          state-or-province-name
        </state-or-province-name>
        <locality-name>
          locality-name
        </locality-name>
        <common-name>
          common-name
        </common-name>
        <email-address>
          email-address
        </email-address>
        <domain-component>
          domain-component
        </domain-component>
      </distinguished-name>
    </subject>
  </x509-certificate-info>

```

</x509-pki-certificate-info-list>

#### Description

<distinguished-name>

#### Usage

```
<x509-pki-crl-information-list>
  <x509-crl-information>
    <crl-issuer-detail>
      <distinguished-name>
        <organization-name>
          organization-name
        </organization-name>
        <organizational-unit-name>
          organizational-unit-name
        </organizational-unit-name>
        <country-name>
          country-name
        </country-name>
        <state-or-province-name>
          state-or-province-name
        </state-or-province-name>
        <locality-name>
          locality-name
        </locality-name>
        <common-name>
          common-name
        </common-name>
        <email-address>
          email-address
        </email-address>
        <domain-component>
          domain-component
        </domain-component>
      </distinguished-name>
    </crl-issuer-detail>
  </x509-crl-information>
</x509-pki-crl-information-list>
```

#### Description

<distribution-crl-list>

#### Usage

```
<distribution-crl-list>
  <distribution-crl>
    distribution-crl
  </distribution-crl>
</distribution-crl-list>
```

**Description** Information about one or more distribution certificate revocation lists



**<distribution-crl-list>****Usage**

```
<x509-certificate-info>
  <distribution-crl-list>
    <distribution-crl>
      distribution-crl
    </distribution-crl>
  </distribution-crl-list>
</x509-certificate-info>
```

**Description** Information about one or more distribution certificate revocation lists

**<distribution-crl-list>****Usage**

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <distribution-crl-list>
      <distribution-crl>
        distribution-crl
      </distribution-crl>
    </distribution-crl-list>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

**Description** Information about one or more distribution certificate revocation lists

**<distribution-crl-list>****Usage**

```
<x509-certificate-cache-info>
  <distribution-crl-list>
    <distribution-crl>
      distribution-crl
    </distribution-crl>
  </distribution-crl-list>
</x509-certificate-cache-info>
```

**Description** Information about one or more distribution certificate revocation lists

**<distribution-crl-list>****Usage**

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <distribution-crl-list>
      <distribution-crl>
        distribution-crl
      </distribution-crl>
    </distribution-crl-list>
  </x509-certificate-cache-info>
```

```
</distribution-crl-list>
</x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description** Information about one or more distribution certificate revocation lists

## <error-statistics>

### Usage

```
<ipsec-service-set-statistics>
<ipsec-statistics>
  <error-statistics>
    <ah-authentication-failures>
      ah-authentication-failures
    </ah-authentication-failures>
    <replay-errors>
      replay-errors
    </replay-errors>
    <esp-authentication-failures>
      esp-authentication-failures
    </esp-authentication-failures>
    <esp-decryption-failures>
      esp-decryption-failures
    </esp-decryption-failures>
    <replay-pkts>
      replay-pkts
    </replay-pkts>
    <replay-before-window-drops>
      replay-before-window-drops
    </replay-before-window-drops>
    <bad-headers>
      bad-headers
    </bad-headers>
    <bad-trailers>
      bad-trailers
    </bad-trailers>
    <flow-errors>
      flow-errors
    </flow-errors>
    <no-sa-errors>
      no-sa-errors
    </no-sa-errors>
    <ip-integrity-errors>
      ip-integrity-errors
    </ip-integrity-errors>
    <exceeds-tunnel-mtu>
      exceeds-tunnel-mtu
    </exceeds-tunnel-mtu>
    <rule-lookup-fail>
      rule-lookup-fail
    </rule-lookup-fail>
    <misc-errors>
      misc-errors
    </misc-errors>
```

```

    </error-statistics>
  </ipsec-statistics>
</ipsec-service-set-statistics>

```

## Description

<error-statistics>

## Usage

```

<ipsec-total-statistics>
  <ipsec-service-set-statistics>
    <ipsec-statistics>
      <error-statistics>
        <ah-authentication-failures>
          ah-authentication-failures
        </ah-authentication-failures>
        <replay-errors>
          replay-errors
        </replay-errors>
        <esp-authentication-failures>
          esp-authentication-failures
        </esp-authentication-failures>
        <esp-decryption-failures>
          esp-decryption-failures
        </esp-decryption-failures>
        <replay-pkts>
          replay-pkts
        </replay-pkts>
        <replay-before-window-drops>
          replay-before-window-drops
        </replay-before-window-drops>
        <bad-headers>
          bad-headers
        </bad-headers>
        <bad-trailers>
          bad-trailers
        </bad-trailers>
        <flow-errors>
          flow-errors
        </flow-errors>
        <no-sa-errors>
          no-sa-errors
        </no-sa-errors>
        <ip-integrity-errors>
          ip-integrity-errors
        </ip-integrity-errors>
        <exceeds-tunnel-mtu>
          exceeds-tunnel-mtu
        </exceeds-tunnel-mtu>
        <rule-lookup-fail>
          rule-lookup-fail
        </rule-lookup-fail>
        <misc-errors>
          misc-errors
        </misc-errors>
      </error-statistics>
    </ipsec-statistics>
  </ipsec-service-set-statistics>
</ipsec-total-statistics>

```

```
</error-statistics>
</ipsec-statistics>
</ipsec-service-set-statistics>
</ipsec-total-statistics>
```

## Description

### <error-statistics>

#### Usage

```
<ipsec-total-statistics-information>
  <ipsec-service-set-statistics>
    <ipsec-statistics>
      <error-statistics>
        <ah-authentication-failures>
          ah-authentication-failures
        </ah-authentication-failures>
        <replay-errors>
          replay-errors
        </replay-errors>
        <esp-authentication-failures>
          esp-authentication-failures
        </esp-authentication-failures>
        <esp-decryption-failures>
          esp-decryption-failures
        </esp-decryption-failures>
        <replay-pkts>
          replay-pkts
        </replay-pkts>
        <replay-before-window-drops>
          replay-before-window-drops
        </replay-before-window-drops>
        <bad-headers>
          bad-headers
        </bad-headers>
        <bad-trailers>
          bad-trailers
        </bad-trailers>
        <flow-errors>
          flow-errors
        </flow-errors>
        <no-sa-errors>
          no-sa-errors
        </no-sa-errors>
        <ip-integrity-errors>
          ip-integrity-errors
        </ip-integrity-errors>
        <exceeds-tunnel-mtu>
          exceeds-tunnel-mtu
        </exceeds-tunnel-mtu>
        <rule-lookup-fail>
          rule-lookup-fail
        </rule-lookup-fail>
        <misc-errors>
          misc-errors
```

```

    </misc-errors>
  </error-statistics>
</ipsec-statistics>
</ipsec-service-set-statistics>
</ipsec-total-statistics-information>

```

## Description

### <error-statistics>

#### Usage

```

<usp-ipsec-total-statistics-information>
  <error-statistics>
    <ah-authentication-failures>
      ah-authentication-failures
    </ah-authentication-failures>
    <replay-errors>
      replay-errors
    </replay-errors>
    <esp-authentication-failures>
      esp-authentication-failures
    </esp-authentication-failures>
    <esp-decryption-failures>
      esp-decryption-failures
    </esp-decryption-failures>
    <replay-pkts>
      replay-pkts
    </replay-pkts>
    <replay-before-window-drops>
      replay-before-window-drops
    </replay-before-window-drops>
    <bad-headers>
      bad-headers
    </bad-headers>
    <bad-trailers>
      bad-trailers
    </bad-trailers>
    <flow-errors>
      flow-errors
    </flow-errors>
    <no-sa-errors>
      no-sa-errors
    </no-sa-errors>
    <ip-integrity-errors>
      ip-integrity-errors
    </ip-integrity-errors>
    <exceeds-tunnel-mtu>
      exceeds-tunnel-mtu
    </exceeds-tunnel-mtu>
    <rule-lookup-fail>
      rule-lookup-fail
    </rule-lookup-fail>
    <misc-errors>
      misc-errors
    </misc-errors>
  </error-statistics>
</usp-ipsec-total-statistics-information>

```

```
</error-statistics>
</usp-ipsec-total-statistics-information>
```

#### Description

### <esp-statistics>

#### Usage

```
<ipsec-service-set-statistics>
  <ipsec-statistics>
    <esp-statistics>
      <esp-encrypted-bytes>
        esp-encrypted-bytes
      </esp-encrypted-bytes>
      <esp-decryptd-bytes>
        esp-decryptd-bytes
      </esp-decryptd-bytes>
      <esp-encrypted-packets>
        esp-encrypted-packets
      </esp-encrypted-packets>
      <esp-decryptd-packets>
        esp-decryptd-packets
      </esp-decryptd-packets>
    </esp-statistics>
  </ipsec-statistics>
</ipsec-service-set-statistics>
```

#### Description

### <esp-statistics>

#### Usage

```
<ipsec-total-statistics>
  <ipsec-service-set-statistics>
    <ipsec-statistics>
      <esp-statistics>
        <esp-encrypted-bytes>
          esp-encrypted-bytes
        </esp-encrypted-bytes>
        <esp-decryptd-bytes>
          esp-decryptd-bytes
        </esp-decryptd-bytes>
        <esp-encrypted-packets>
          esp-encrypted-packets
        </esp-encrypted-packets>
        <esp-decryptd-packets>
          esp-decryptd-packets
        </esp-decryptd-packets>
      </esp-statistics>
    </ipsec-statistics>
  </ipsec-service-set-statistics>
</ipsec-total-statistics>
```

## Description

## &lt;esp-statistics&gt;

## Usage

```

<ipsec-total-statistics-information>
  <ipsec-service-set-statistics>
    <ipsec-statistics>
      <esp-statistics>
        <esp-encrypted-bytes>
          esp-encrypted-bytes
        </esp-encrypted-bytes>
        <esp-decryptd-bytes>
          esp-decryptd-bytes
        </esp-decryptd-bytes>
        <esp-encrypted-packets>
          esp-encrypted-packets
        </esp-encrypted-packets>
        <esp-decryptd-packets>
          esp-decryptd-packets
        </esp-decryptd-packets>
      </esp-statistics>
    </ipsec-statistics>
  </ipsec-service-set-statistics>
</ipsec-total-statistics-information>

```

## Description

## &lt;esp-statistics&gt;

## Usage

```

<usp-ipsec-total-statistics-information>
  <esp-statistics>
    <esp-encrypted-bytes>
      esp-encrypted-bytes
    </esp-encrypted-bytes>
    <esp-decryptd-bytes>
      esp-decryptd-bytes
    </esp-decryptd-bytes>
    <esp-encrypted-packets>
      esp-encrypted-packets
    </esp-encrypted-packets>
    <esp-decryptd-packets>
      esp-decryptd-packets
    </esp-decryptd-packets>
  </esp-statistics>
</usp-ipsec-total-statistics-information>

```

## Description

## &lt;fingerprint&gt;

## Usage

```

<fingerprint>

```

```
<fingerprint-hash-algorithm>
  fingerprint-hash-algorithm
</fingerprint-hash-algorithm>
<fingerprint-content>
  fingerprint-content
</fingerprint-content>
</fingerprint>
```

**Description** Fingerprint

### <fingerprint>

#### Usage

```
<x509-certificate-info>
  <fingerprint>
    <fingerprint-hash-algorithm>
      fingerprint-hash-algorithm
    </fingerprint-hash-algorithm>
    <fingerprint-content>
      fingerprint-content
    </fingerprint-content>
  </fingerprint>
</x509-certificate-info>
```

**Description** Fingerprint

### <fingerprint>

#### Usage

```
<cert-ca-manual-load>
  <fingerprint>
    <fingerprint-hash-algorithm>
      fingerprint-hash-algorithm
    </fingerprint-hash-algorithm>
    <fingerprint-content>
      fingerprint-content
    </fingerprint-content>
  </fingerprint>
</cert-ca-manual-load>
```

**Description** Fingerprint

### <fingerprint>

#### Usage

```
<cert-request-dump>
  <fingerprint>
    <fingerprint-hash-algorithm>
      fingerprint-hash-algorithm
    </fingerprint-hash-algorithm>
    <fingerprint-content>
```



```

        fingerprint-content
      </fingerprint-content>
    </fingerprint>
  </cert-request-dump>

```

**Description**    Fingerprint

### <fingerprint>

#### Usage

```

<ca-certificate-enroll>
  <fingerprint>
    <fingerprint-hash-algorithm>
      fingerprint-hash-algorithm
    </fingerprint-hash-algorithm>
    <fingerprint-content>
      fingerprint-content
    </fingerprint-content>
  </fingerprint>
</ca-certificate-enroll>

```

**Description**    Fingerprint

### <fingerprint>

#### Usage

```

<ca-certificate-enroll-list>
  <ca-certificate-enroll>
    <fingerprint>
      <fingerprint-hash-algorithm>
        fingerprint-hash-algorithm
      </fingerprint-hash-algorithm>
      <fingerprint-content>
        fingerprint-content
      </fingerprint-content>
    </fingerprint>
  </ca-certificate-enroll>
</ca-certificate-enroll-list>

```

**Description**    Fingerprint

### <fingerprint>

#### Usage

```

<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <fingerprint>
      <fingerprint-hash-algorithm>
        fingerprint-hash-algorithm
      </fingerprint-hash-algorithm>
      <fingerprint-content>

```

```
        fingerprint-content
      </fingerprint-content>
    </fingerprint>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

**Description**    Fingerprint

### <fingerprint>

#### Usage

```
<x509-certificate-cache-info>
  <fingerprint>
    <fingerprint-hash-algorithm>
      fingerprint-hash-algorithm
    </fingerprint-hash-algorithm>
    <fingerprint-content>
      fingerprint-content
    </fingerprint-content>
  </fingerprint>
</x509-certificate-cache-info>
```

**Description**    Fingerprint

### <fingerprint>

#### Usage

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <fingerprint>
      <fingerprint-hash-algorithm>
        fingerprint-hash-algorithm
      </fingerprint-hash-algorithm>
      <fingerprint-content>
        fingerprint-content
      </fingerprint-content>
    </fingerprint>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description**    Fingerprint

### <fips-pic-status>

#### Usage

```
<fips-pic-status>
  <fpc-slot>
    fpc-slot
  </fpc-slot>
  <pic-slot>
    pic-slot
  </pic-slot>
</fips-pic-status>
```

```

</pic-slot>
<serial-number>
  serial-number
</serial-number>
<authorization-status>
  authorization-status
</authorization-status>
</fips-pic-status>

```

#### Description

### <fips-pic-status>

#### Usage

```

<fips-pic-status-information>
  <fips-pic-status>
    <fpc-slot>
      fpc-slot
    </fpc-slot>
    <pic-slot>
      pic-slot
    </pic-slot>
    <serial-number>
      serial-number
    </serial-number>
    <authorization-status>
      authorization-status
    </authorization-status>
  </fips-pic-status>
</fips-pic-status-information>

```

#### Description

### <fips-pic-status-information>

#### Usage

```

<fips-pic-status-information>
  <fips-pic-status>.....</fips-pic-status>
</fips-pic-status-information>

```

#### Description

### <gvpn-kek-security-associations-information>

#### Usage

```

<gvpn-kek-security-associations-information>
  <ike-sa-location>.....</ike-sa-location>
  <ike-security-associations>.....</ike-security-associations>
  <ike-sa-phase2-information>.....</ike-sa-phase2-information>
  <kek-security-associations>.....</kek-security-associations>
  <ike-security-associations-block>.....</ike-security-associations-block>
</gvpn-kek-security-associations-information>

```

**Description****<ike-active-peers>****Usage**

```
<ike-active-peers>
  <ike-sa-remote-address>
    ike-sa-remote-address
  </ike-sa-remote-address>
  <ike-sa-remote-port>
    ike-sa-remote-port
  </ike-sa-remote-port>
  <ike-ike-id>
    ike-ike-id
  </ike-ike-id>
  <ike-xauth-username>
    ike-xauth-username
  </ike-xauth-username>
  <ike-xauth-user-assigned-ip>
    ike-xauth-user-assigned-ip
  </ike-xauth-user-assigned-ip>
  <ike-xauth-user-assigned-mask>
    ike-xauth-user-assigned-mask
  </ike-xauth-user-assigned-mask>
  <ike-xauth-user-assigned-dns>
    ike-xauth-user-assigned-dns
  </ike-xauth-user-assigned-dns>
  <ike-xauth-user-assigned-dns2>
    ike-xauth-user-assigned-dns2
  </ike-xauth-user-assigned-dns2>
  <ike-xauth-user-assigned-wins>
    ike-xauth-user-assigned-wins
  </ike-xauth-user-assigned-wins>
  <ike-xauth-user-assigned-wins2>
    ike-xauth-user-assigned-wins2
  </ike-xauth-user-assigned-wins2>
</ike-active-peers>
```

**Description** IKE active peer and XAUTH assigned IP

**<ike-active-peers>****Usage**

```
<ike-active-peers-block>
  <ike-active-peers>
    <ike-sa-remote-address>
      ike-sa-remote-address
    </ike-sa-remote-address>
    <ike-sa-remote-port>
      ike-sa-remote-port
    </ike-sa-remote-port>
    <ike-ike-id>
      ike-ike-id
    </ike-ike-id>
```

```

<ike-xauth-username>
  ike-xauth-username
</ike-xauth-username>
<ike-xauth-user-assigned-ip>
  ike-xauth-user-assigned-ip
</ike-xauth-user-assigned-ip>
<ike-xauth-user-assigned-mask>
  ike-xauth-user-assigned-mask
</ike-xauth-user-assigned-mask>
<ike-xauth-user-assigned-dns>
  ike-xauth-user-assigned-dns
</ike-xauth-user-assigned-dns>
<ike-xauth-user-assigned-dns2>
  ike-xauth-user-assigned-dns2
</ike-xauth-user-assigned-dns2>
<ike-xauth-user-assigned-wins>
  ike-xauth-user-assigned-wins
</ike-xauth-user-assigned-wins>
<ike-xauth-user-assigned-wins2>
  ike-xauth-user-assigned-wins2
</ike-xauth-user-assigned-wins2>
</ike-active-peers>
</ike-active-peers-block>

```

**Description** IKE active peer and XAUTH assigned IP

## <ike-active-peers>

### Usage

```

<ike-active-peers-information>
  <ike-active-peers>
    <ike-sa-remote-address>
      ike-sa-remote-address
    </ike-sa-remote-address>
    <ike-sa-remote-port>
      ike-sa-remote-port
    </ike-sa-remote-port>
    <ike-ike-id>
      ike-ike-id
    </ike-ike-id>
    <ike-xauth-username>
      ike-xauth-username
    </ike-xauth-username>
    <ike-xauth-user-assigned-ip>
      ike-xauth-user-assigned-ip
    </ike-xauth-user-assigned-ip>
    <ike-xauth-user-assigned-mask>
      ike-xauth-user-assigned-mask
    </ike-xauth-user-assigned-mask>
    <ike-xauth-user-assigned-dns>
      ike-xauth-user-assigned-dns
    </ike-xauth-user-assigned-dns>
    <ike-xauth-user-assigned-dns2>
      ike-xauth-user-assigned-dns2

```

```
</ike-xauth-user-assigned-dns2>
<ike-xauth-user-assigned-wins>
  ike-xauth-user-assigned-wins
</ike-xauth-user-assigned-wins>
<ike-xauth-user-assigned-wins2>
  ike-xauth-user-assigned-wins2
</ike-xauth-user-assigned-wins2>
</ike-active-peers>
</ike-active-peers-information>
```

**Description** IKE active peer and XAUTH assigned IP

### <ike-active-peers>

#### Usage

```
<ike-active-peers-information>
<ike-active-peers-block>
  <ike-active-peers>
    <ike-sa-remote-address>
      ike-sa-remote-address
    </ike-sa-remote-address>
    <ike-sa-remote-port>
      ike-sa-remote-port
    </ike-sa-remote-port>
    <ike-ike-id>
      ike-ike-id
    </ike-ike-id>
    <ike-xauth-username>
      ike-xauth-username
    </ike-xauth-username>
    <ike-xauth-user-assigned-ip>
      ike-xauth-user-assigned-ip
    </ike-xauth-user-assigned-ip>
    <ike-xauth-user-assigned-mask>
      ike-xauth-user-assigned-mask
    </ike-xauth-user-assigned-mask>
    <ike-xauth-user-assigned-dns>
      ike-xauth-user-assigned-dns
    </ike-xauth-user-assigned-dns>
    <ike-xauth-user-assigned-dns2>
      ike-xauth-user-assigned-dns2
    </ike-xauth-user-assigned-dns2>
    <ike-xauth-user-assigned-wins>
      ike-xauth-user-assigned-wins
    </ike-xauth-user-assigned-wins>
    <ike-xauth-user-assigned-wins2>
      ike-xauth-user-assigned-wins2
    </ike-xauth-user-assigned-wins2>
  </ike-active-peers>
</ike-active-peers-block>
</ike-active-peers-information>
```

**Description** IKE active peer and XAUTH assigned IP

**<ike-active-peers-block>****Usage**

```

<ike-active-peers-block>
  <ike-sa-remote-address>
    ike-sa-remote-address
  </ike-sa-remote-address>
  <ike-sa-remote-port>
    ike-sa-remote-port
  </ike-sa-remote-port>
  <ike-ike-id>
    ike-ike-id
  </ike-ike-id>
  <ike-xauth-username>
    ike-xauth-username
  </ike-xauth-username>
  <ike-active-peers>....</ike-active-peers>
</ike-active-peers-block>

```

**Description** IKE active peer

**<ike-active-peers-block>****Usage**

```

<ike-active-peers-information>
  <ike-active-peers-block>
    <ike-sa-remote-address>
      ike-sa-remote-address
    </ike-sa-remote-address>
    <ike-sa-remote-port>
      ike-sa-remote-port
    </ike-sa-remote-port>
    <ike-ike-id>
      ike-ike-id
    </ike-ike-id>
    <ike-xauth-username>
      ike-xauth-username
    </ike-xauth-username>
    <ike-active-peers>....</ike-active-peers>
  </ike-active-peers-block>
</ike-active-peers-information>

```

**Description** IKE active peer

**<ike-active-peers-information>****Usage**

```

<ike-active-peers-information>
  <ike-active-peers>....</ike-active-peers>
  <ike-active-peers-block>....</ike-active-peers-block>
</ike-active-peers-information>

```

**Description****<ike-sa-algorithms>****Usage**

```
<ike-sa-algorithms>
  <ike-sa-authentication-algorithm>
    ike-sa-authentication-algorithm
  </ike-sa-authentication-algorithm>
  <ike-sa-encryption-algorithm>
    ike-sa-encryption-algorithm
  </ike-sa-encryption-algorithm>
  <ike-sa-prf-algorithm>
    ike-sa-prf-algorithm
  </ike-sa-prf-algorithm>
  <ike-sa-dhgroup>
    ike-sa-dhgroup
  </ike-sa-dhgroup>
</ike-sa-algorithms>
```

**Description** Algorithms used with the SA information

**<ike-sa-algorithms>****Usage**

```
<ike-security-associations>
  <ike-sa-algorithms>
    <ike-sa-authentication-algorithm>
      ike-sa-authentication-algorithm
    </ike-sa-authentication-algorithm>
    <ike-sa-encryption-algorithm>
      ike-sa-encryption-algorithm
    </ike-sa-encryption-algorithm>
    <ike-sa-prf-algorithm>
      ike-sa-prf-algorithm
    </ike-sa-prf-algorithm>
    <ike-sa-dhgroup>
      ike-sa-dhgroup
    </ike-sa-dhgroup>
  </ike-sa-algorithms>
</ike-security-associations>
```

**Description** Algorithms used with the SA information

**<ike-sa-algorithms>****Usage**

```
<ike-security-associations-block>
  <ike-security-associations>
    <ike-sa-algorithms>
      <ike-sa-authentication-algorithm>
        ike-sa-authentication-algorithm
      </ike-sa-authentication-algorithm>
```



```

<ike-sa-encryption-algorithm>
  ike-sa-encryption-algorithm
</ike-sa-encryption-algorithm>
<ike-sa-prf-algorithm>
  ike-sa-prf-algorithm
</ike-sa-prf-algorithm>
<ike-sa-dhgroup>
  ike-sa-dhgroup
</ike-sa-dhgroup>
</ike-sa-algorithms>
</ike-security-associations>
</ike-security-associations-block>

```

**Description** Algorithms used with the SA information

### <ike-sa-algorithms>

#### Usage

```

<ike-security-associations-information>
<ike-security-associations>
  <ike-sa-algorithms>
    <ike-sa-authentication-algorithm>
      ike-sa-authentication-algorithm
    </ike-sa-authentication-algorithm>
    <ike-sa-encryption-algorithm>
      ike-sa-encryption-algorithm
    </ike-sa-encryption-algorithm>
    <ike-sa-prf-algorithm>
      ike-sa-prf-algorithm
    </ike-sa-prf-algorithm>
    <ike-sa-dhgroup>
      ike-sa-dhgroup
    </ike-sa-dhgroup>
  </ike-sa-algorithms>
</ike-security-associations>
</ike-security-associations-information>

```

**Description** Algorithms used with the SA information

### <ike-sa-algorithms>

#### Usage

```

<ike-security-associations-information>
<ike-security-associations-block>
  <ike-security-associations>
    <ike-sa-algorithms>
      <ike-sa-authentication-algorithm>
        ike-sa-authentication-algorithm
      </ike-sa-authentication-algorithm>
      <ike-sa-encryption-algorithm>
        ike-sa-encryption-algorithm
      </ike-sa-encryption-algorithm>
    </ike-sa-algorithms>
  </ike-security-associations>
</ike-security-associations-block>

```

```
<ike-sa-prf-algorithm>
  ike-sa-prf-algorithm
</ike-sa-prf-algorithm>
<ike-sa-dhgroup>
  ike-sa-dhgroup
</ike-sa-dhgroup>
</ike-sa-algorithms>
</ike-security-associations>
</ike-security-associations-block>
</ike-security-associations-information>
```

**Description** Algorithms used with the SA information

### <ike-sa-algorithms>

#### Usage

```
<gvpn-kek-security-associations-information>
<ike-security-associations>
  <ike-sa-algorithms>
    <ike-sa-authentication-algorithm>
      ike-sa-authentication-algorithm
    </ike-sa-authentication-algorithm>
    <ike-sa-encryption-algorithm>
      ike-sa-encryption-algorithm
    </ike-sa-encryption-algorithm>
    <ike-sa-prf-algorithm>
      ike-sa-prf-algorithm
    </ike-sa-prf-algorithm>
    <ike-sa-dhgroup>
      ike-sa-dhgroup
    </ike-sa-dhgroup>
  </ike-sa-algorithms>
</ike-security-associations>
</gvpn-kek-security-associations-information>
```

**Description** Algorithms used with the SA information

### <ike-sa-algorithms>

#### Usage

```
<gvpn-kek-security-associations-information>
<ike-security-associations-block>
  <ike-security-associations>
    <ike-sa-algorithms>
      <ike-sa-authentication-algorithm>
        ike-sa-authentication-algorithm
      </ike-sa-authentication-algorithm>
      <ike-sa-encryption-algorithm>
        ike-sa-encryption-algorithm
      </ike-sa-encryption-algorithm>
      <ike-sa-prf-algorithm>
        ike-sa-prf-algorithm
```

```

    </ike-sa-prf-algorithm>
    <ike-sa-dhgroup>
      ike-sa-dhgroup
    </ike-sa-dhgroup>
  </ike-sa-algorithms>
</ike-security-associations>
</ike-security-associations-block>
</gvpn-kek-security-associations-information>

```

**Description** Algorithms used with the SA information

### <ike-sa-location>

#### Usage

```

<ike-security-associations-block>
  <ike-sa-location>
    <ike-sa-fpc>
      ike-sa-fpc
    </ike-sa-fpc>
    <ike-sa-pic>
      ike-sa-pic
    </ike-sa-pic>
    <ike-sa-kmd-instance>
      ike-sa-kmd-instance
    </ike-sa-kmd-instance>
  </ike-sa-location>
</ike-security-associations-block>

```

**Description** Location where SA is processed

### <ike-sa-location>

#### Usage

```

<ike-sa-location>
  <ike-sa-fpc>
    ike-sa-fpc
  </ike-sa-fpc>
  <ike-sa-pic>
    ike-sa-pic
  </ike-sa-pic>
  <ike-sa-kmd-instance>
    ike-sa-kmd-instance
  </ike-sa-kmd-instance>
</ike-sa-location>

```

**Description** Location where SA is processed

### <ike-sa-location>

#### Usage

```

<ike-security-associations-information>

```

```
<ike-sa-location>
  <ike-sa-fpc>
    ike-sa-fpc
  </ike-sa-fpc>
  <ike-sa-pic>
    ike-sa-pic
  </ike-sa-pic>
  <ike-sa-kmd-instance>
    ike-sa-kmd-instance
  </ike-sa-kmd-instance>
</ike-sa-location>
</ike-security-associations-information>
```

**Description** Location where SA is processed

### <ike-sa-location>

#### Usage

```
<ike-security-associations-information>
  <ike-security-associations-block>
    <ike-sa-location>
      <ike-sa-fpc>
        ike-sa-fpc
      </ike-sa-fpc>
      <ike-sa-pic>
        ike-sa-pic
      </ike-sa-pic>
      <ike-sa-kmd-instance>
        ike-sa-kmd-instance
      </ike-sa-kmd-instance>
    </ike-sa-location>
  </ike-security-associations-block>
</ike-security-associations-information>
```

**Description** Location where SA is processed

### <ike-sa-location>

#### Usage

```
<gvpn-kek-security-associations-information>
  <ike-sa-location>
    <ike-sa-fpc>
      ike-sa-fpc
    </ike-sa-fpc>
    <ike-sa-pic>
      ike-sa-pic
    </ike-sa-pic>
    <ike-sa-kmd-instance>
      ike-sa-kmd-instance
    </ike-sa-kmd-instance>
  </ike-sa-location>
```

```
</gvpn-kek-security-associations-information>
```

**Description** Location where SA is processed

### <ike-sa-location>

#### Usage

```
<gvpn-kek-security-associations-information>
<ike-security-associations-block>
  <ike-sa-location>
    <ike-sa-fpc>
      ike-sa-fpc
    </ike-sa-fpc>
    <ike-sa-pic>
      ike-sa-pic
    </ike-sa-pic>
    <ike-sa-kmd-instance>
      ike-sa-kmd-instance
    </ike-sa-kmd-instance>
  </ike-sa-location>
</ike-security-associations-block>
</gvpn-kek-security-associations-information>
```

**Description** Location where SA is processed

### <ike-sa-location>

#### Usage

```
<ike-stats-information>
  <ike-sa-location>
    <ike-sa-fpc>
      ike-sa-fpc
    </ike-sa-fpc>
    <ike-sa-pic>
      ike-sa-pic
    </ike-sa-pic>
    <ike-sa-kmd-instance>
      ike-sa-kmd-instance
    </ike-sa-kmd-instance>
  </ike-sa-location>
</ike-stats-information>
```

**Description** Location where SA is processed

### <ike-sa-misc>

#### Usage

```
<ike-sa-misc>
  <ike-sa-flags>
    ike-sa-flags
  </ike-sa-flags>
```

```
<ike-sa-num-ipsec-sas-created>
  ike-sa-num-ipsec-sas-created
</ike-sa-num-ipsec-sas-created>
<ike-sa-num-ipsec-sas-deleted>
  ike-sa-num-ipsec-sas-deleted
</ike-sa-num-ipsec-sas-deleted>
<ike-sa-num-phase2-negotiations>
  ike-sa-num-phase2-negotiations
</ike-sa-num-phase2-negotiations>
</ike-sa-misc>
```

**Description** Miscellaneous IKE SA information

### <ike-sa-misc>

#### Usage

```
<ike-security-associations>
  <ike-sa-misc>
    <ike-sa-flags>
      ike-sa-flags
    </ike-sa-flags>
    <ike-sa-num-ipsec-sas-created>
      ike-sa-num-ipsec-sas-created
    </ike-sa-num-ipsec-sas-created>
    <ike-sa-num-ipsec-sas-deleted>
      ike-sa-num-ipsec-sas-deleted
    </ike-sa-num-ipsec-sas-deleted>
    <ike-sa-num-phase2-negotiations>
      ike-sa-num-phase2-negotiations
    </ike-sa-num-phase2-negotiations>
  </ike-sa-misc>
</ike-security-associations>
```

**Description** Miscellaneous IKE SA information

### <ike-sa-misc>

#### Usage

```
<ike-security-associations-block>
  <ike-security-associations>
    <ike-sa-misc>
      <ike-sa-flags>
        ike-sa-flags
      </ike-sa-flags>
      <ike-sa-num-ipsec-sas-created>
        ike-sa-num-ipsec-sas-created
      </ike-sa-num-ipsec-sas-created>
      <ike-sa-num-ipsec-sas-deleted>
        ike-sa-num-ipsec-sas-deleted
      </ike-sa-num-ipsec-sas-deleted>
      <ike-sa-num-phase2-negotiations>
        ike-sa-num-phase2-negotiations
      </ike-sa-num-phase2-negotiations>
    </ike-sa-misc>
  </ike-security-associations>
</ike-security-associations-block>
```

```

    </ike-sa-num-phase2-negotiations>
  </ike-sa-misc>
</ike-security-associations>
</ike-security-associations-block>

```

**Description** Miscellaneous IKE SA information

### <ike-sa-misc>

#### Usage

```

<ike-security-associations-information>
<ike-security-associations>
  <ike-sa-misc>
    <ike-sa-flags>
      ike-sa-flags
    </ike-sa-flags>
    <ike-sa-num-ipsec-sas-created>
      ike-sa-num-ipsec-sas-created
    </ike-sa-num-ipsec-sas-created>
    <ike-sa-num-ipsec-sas-deleted>
      ike-sa-num-ipsec-sas-deleted
    </ike-sa-num-ipsec-sas-deleted>
    <ike-sa-num-phase2-negotiations>
      ike-sa-num-phase2-negotiations
    </ike-sa-num-phase2-negotiations>
  </ike-sa-misc>
</ike-security-associations>
</ike-security-associations-information>

```

**Description** Miscellaneous IKE SA information

### <ike-sa-misc>

#### Usage

```

<ike-security-associations-information>
<ike-security-associations-block>
<ike-security-associations>
  <ike-sa-misc>
    <ike-sa-flags>
      ike-sa-flags
    </ike-sa-flags>
    <ike-sa-num-ipsec-sas-created>
      ike-sa-num-ipsec-sas-created
    </ike-sa-num-ipsec-sas-created>
    <ike-sa-num-ipsec-sas-deleted>
      ike-sa-num-ipsec-sas-deleted
    </ike-sa-num-ipsec-sas-deleted>
    <ike-sa-num-phase2-negotiations>
      ike-sa-num-phase2-negotiations
    </ike-sa-num-phase2-negotiations>
  </ike-sa-misc>
</ike-security-associations>

```

```
</ike-security-associations-block>  
</ike-security-associations-information>
```

**Description** Miscellaneous IKE SA information

### <ike-sa-misc>

#### Usage

```
<gvpn-kek-security-associations-information>  
  <ike-security-associations>  
    <ike-sa-misc>  
      <ike-sa-flags>  
        ike-sa-flags  
      </ike-sa-flags>  
      <ike-sa-num-ipsec-sas-created>  
        ike-sa-num-ipsec-sas-created  
      </ike-sa-num-ipsec-sas-created>  
      <ike-sa-num-ipsec-sas-deleted>  
        ike-sa-num-ipsec-sas-deleted  
      </ike-sa-num-ipsec-sas-deleted>  
      <ike-sa-num-phase2-negotiations>  
        ike-sa-num-phase2-negotiations  
      </ike-sa-num-phase2-negotiations>  
    </ike-sa-misc>  
  </ike-security-associations>  
</gvpn-kek-security-associations-information>
```

**Description** Miscellaneous IKE SA information

### <ike-sa-misc>

#### Usage

```
<gvpn-kek-security-associations-information>  
  <ike-security-associations-block>  
    <ike-security-associations>  
      <ike-sa-misc>  
        <ike-sa-flags>  
          ike-sa-flags  
        </ike-sa-flags>  
        <ike-sa-num-ipsec-sas-created>  
          ike-sa-num-ipsec-sas-created  
        </ike-sa-num-ipsec-sas-created>  
        <ike-sa-num-ipsec-sas-deleted>  
          ike-sa-num-ipsec-sas-deleted  
        </ike-sa-num-ipsec-sas-deleted>  
        <ike-sa-num-phase2-negotiations>  
          ike-sa-num-phase2-negotiations  
        </ike-sa-num-phase2-negotiations>  
      </ike-sa-misc>  
    </ike-security-associations>  
  </ike-security-associations-block>
```



```
</gvpn-kek-security-associations-information>
```

**Description** Miscellaneous IKE SA information

### <ike-sa-phase2-information>

#### Usage

```
<ike-sa-phase2-information>
  <ike-sa-phase2-type>
    ike-sa-phase2-type
  </ike-sa-phase2-type>
  <ike-sa-role>
    ike-sa-role
  </ike-sa-role>
  <ike-sa-msg-id>
    ike-sa-msg-id
  </ike-sa-msg-id>
  <ike-sa-local-address>
    ike-sa-local-address
  </ike-sa-local-address>
  <ike-sa-local-port>
    ike-sa-local-port
  </ike-sa-local-port>
  <ike-sa-remote-address>
    ike-sa-remote-address
  </ike-sa-remote-address>
  <ike-sa-remote-port>
    ike-sa-remote-port
  </ike-sa-remote-port>
  <ike-sa-local-id>
    ike-sa-local-id
  </ike-sa-local-id>
  <ike-sa-remote-id>
    ike-sa-remote-id
  </ike-sa-remote-id>
  <ike-sa-flags>
    ike-sa-flags
  </ike-sa-flags>
</ike-sa-phase2-information>
```

**Description** Information about phase 2 negotiation

### <ike-sa-phase2-information>

#### Usage

```
<ike-security-associations>
  <ike-sa-phase2-information>
    <ike-sa-phase2-type>
      ike-sa-phase2-type
    </ike-sa-phase2-type>
    <ike-sa-role>
      ike-sa-role
```

```
</ike-sa-role>
<ike-sa-msg-id>
  ike-sa-msg-id
</ike-sa-msg-id>
<ike-sa-local-address>
  ike-sa-local-address
</ike-sa-local-address>
<ike-sa-local-port>
  ike-sa-local-port
</ike-sa-local-port>
<ike-sa-remote-address>
  ike-sa-remote-address
</ike-sa-remote-address>
<ike-sa-remote-port>
  ike-sa-remote-port
</ike-sa-remote-port>
<ike-sa-local-id>
  ike-sa-local-id
</ike-sa-local-id>
<ike-sa-remote-id>
  ike-sa-remote-id
</ike-sa-remote-id>
<ike-sa-flags>
  ike-sa-flags
</ike-sa-flags>
</ike-sa-phase2-information>
</ike-security-associations>
```

**Description** Information about phase 2 negotiation

### <ike-sa-phase2-information>

#### Usage

```
<ike-security-associations-block>
<ike-security-associations>
  <ike-sa-phase2-information>
    <ike-sa-phase2-type>
      ike-sa-phase2-type
    </ike-sa-phase2-type>
    <ike-sa-role>
      ike-sa-role
    </ike-sa-role>
    <ike-sa-msg-id>
      ike-sa-msg-id
    </ike-sa-msg-id>
    <ike-sa-local-address>
      ike-sa-local-address
    </ike-sa-local-address>
    <ike-sa-local-port>
      ike-sa-local-port
    </ike-sa-local-port>
    <ike-sa-remote-address>
      ike-sa-remote-address
    </ike-sa-remote-address>
```

```

<ike-sa-remote-port>
  ike-sa-remote-port
</ike-sa-remote-port>
<ike-sa-local-id>
  ike-sa-local-id
</ike-sa-local-id>
<ike-sa-remote-id>
  ike-sa-remote-id
</ike-sa-remote-id>
<ike-sa-flags>
  ike-sa-flags
</ike-sa-flags>
</ike-sa-phase2-information>
</ike-security-associations>
</ike-security-associations-block>

```

**Description** Information about phase 2 negotiation

### <ike-sa-phase2-information>

#### Usage

```

<ike-security-associations-information>
<ike-security-associations>
  <ike-sa-phase2-information>
    <ike-sa-phase2-type>
      ike-sa-phase2-type
    </ike-sa-phase2-type>
    <ike-sa-role>
      ike-sa-role
    </ike-sa-role>
    <ike-sa-msg-id>
      ike-sa-msg-id
    </ike-sa-msg-id>
    <ike-sa-local-address>
      ike-sa-local-address
    </ike-sa-local-address>
    <ike-sa-local-port>
      ike-sa-local-port
    </ike-sa-local-port>
    <ike-sa-remote-address>
      ike-sa-remote-address
    </ike-sa-remote-address>
    <ike-sa-remote-port>
      ike-sa-remote-port
    </ike-sa-remote-port>
    <ike-sa-local-id>
      ike-sa-local-id
    </ike-sa-local-id>
    <ike-sa-remote-id>
      ike-sa-remote-id
    </ike-sa-remote-id>
    <ike-sa-flags>
      ike-sa-flags
    </ike-sa-flags>
  </ike-sa-phase2-information>
</ike-security-associations>
</ike-security-associations-information>

```

```
</ike-sa-phase2-information>
</ike-security-associations>
</ike-security-associations-information>
```

**Description** Information about phase 2 negotiation

### <ike-sa-phase2-information>

#### Usage

```
<ike-security-associations-information>
  <ike-sa-phase2-information>
    <ike-sa-phase2-type>
      ike-sa-phase2-type
    </ike-sa-phase2-type>
    <ike-sa-role>
      ike-sa-role
    </ike-sa-role>
    <ike-sa-msg-id>
      ike-sa-msg-id
    </ike-sa-msg-id>
    <ike-sa-local-address>
      ike-sa-local-address
    </ike-sa-local-address>
    <ike-sa-local-port>
      ike-sa-local-port
    </ike-sa-local-port>
    <ike-sa-remote-address>
      ike-sa-remote-address
    </ike-sa-remote-address>
    <ike-sa-remote-port>
      ike-sa-remote-port
    </ike-sa-remote-port>
    <ike-sa-local-id>
      ike-sa-local-id
    </ike-sa-local-id>
    <ike-sa-remote-id>
      ike-sa-remote-id
    </ike-sa-remote-id>
    <ike-sa-flags>
      ike-sa-flags
    </ike-sa-flags>
  </ike-sa-phase2-information>
</ike-security-associations-information>
```

**Description** Information about phase 2 negotiation

### <ike-sa-phase2-information>

#### Usage

```
<ike-security-associations-information>
  <ike-security-associations-block>
    <ike-security-associations>
```

```

<ike-sa-phase2-information>
  <ike-sa-phase2-type>
    ike-sa-phase2-type
  </ike-sa-phase2-type>
  <ike-sa-role>
    ike-sa-role
  </ike-sa-role>
  <ike-sa-msg-id>
    ike-sa-msg-id
  </ike-sa-msg-id>
  <ike-sa-local-address>
    ike-sa-local-address
  </ike-sa-local-address>
  <ike-sa-local-port>
    ike-sa-local-port
  </ike-sa-local-port>
  <ike-sa-remote-address>
    ike-sa-remote-address
  </ike-sa-remote-address>
  <ike-sa-remote-port>
    ike-sa-remote-port
  </ike-sa-remote-port>
  <ike-sa-local-id>
    ike-sa-local-id
  </ike-sa-local-id>
  <ike-sa-remote-id>
    ike-sa-remote-id
  </ike-sa-remote-id>
  <ike-sa-flags>
    ike-sa-flags
  </ike-sa-flags>
</ike-sa-phase2-information>
</ike-security-associations>
</ike-security-associations-block>
</ike-security-associations-information>

```

**Description** Information about phase 2 negotiation

### <ike-sa-phase2-information>

#### Usage

```

<gvpn-kek-security-associations-information>
  <ike-security-associations>
    <ike-sa-phase2-information>
      <ike-sa-phase2-type>
        ike-sa-phase2-type
      </ike-sa-phase2-type>
      <ike-sa-role>
        ike-sa-role
      </ike-sa-role>
      <ike-sa-msg-id>
        ike-sa-msg-id
      </ike-sa-msg-id>
      <ike-sa-local-address>

```

```
    ike-sa-local-address
  </ike-sa-local-address>
  <ike-sa-local-port>
    ike-sa-local-port
  </ike-sa-local-port>
  <ike-sa-remote-address>
    ike-sa-remote-address
  </ike-sa-remote-address>
  <ike-sa-remote-port>
    ike-sa-remote-port
  </ike-sa-remote-port>
  <ike-sa-local-id>
    ike-sa-local-id
  </ike-sa-local-id>
  <ike-sa-remote-id>
    ike-sa-remote-id
  </ike-sa-remote-id>
  <ike-sa-flags>
    ike-sa-flags
  </ike-sa-flags>
</ike-sa-phase2-information>
</ike-security-associations>
</gvpn-kek-security-associations-information>
```

**Description** Information about phase 2 negotiation

### <ike-sa-phase2-information>

#### Usage

```
<gvpn-kek-security-associations-information>
  <ike-sa-phase2-information>
    <ike-sa-phase2-type>
      ike-sa-phase2-type
    </ike-sa-phase2-type>
    <ike-sa-role>
      ike-sa-role
    </ike-sa-role>
    <ike-sa-msg-id>
      ike-sa-msg-id
    </ike-sa-msg-id>
    <ike-sa-local-address>
      ike-sa-local-address
    </ike-sa-local-address>
    <ike-sa-local-port>
      ike-sa-local-port
    </ike-sa-local-port>
    <ike-sa-remote-address>
      ike-sa-remote-address
    </ike-sa-remote-address>
    <ike-sa-remote-port>
      ike-sa-remote-port
    </ike-sa-remote-port>
    <ike-sa-local-id>
      ike-sa-local-id
```

```

</ike-sa-local-id>
<ike-sa-remote-id>
  ike-sa-remote-id
</ike-sa-remote-id>
<ike-sa-flags>
  ike-sa-flags
</ike-sa-flags>
</ike-sa-phase2-information>
</gvpn-kek-security-associations-information>

```

**Description** Information about phase 2 negotiation

### <ike-sa-phase2-information>

#### Usage

```

<gvpn-kek-security-associations-information>
<ike-security-associations-block>
<ike-security-associations>
  <ike-sa-phase2-information>
    <ike-sa-phase2-type>
      ike-sa-phase2-type
    </ike-sa-phase2-type>
    <ike-sa-role>
      ike-sa-role
    </ike-sa-role>
    <ike-sa-msg-id>
      ike-sa-msg-id
    </ike-sa-msg-id>
    <ike-sa-local-address>
      ike-sa-local-address
    </ike-sa-local-address>
    <ike-sa-local-port>
      ike-sa-local-port
    </ike-sa-local-port>
    <ike-sa-remote-address>
      ike-sa-remote-address
    </ike-sa-remote-address>
    <ike-sa-remote-port>
      ike-sa-remote-port
    </ike-sa-remote-port>
    <ike-sa-local-id>
      ike-sa-local-id
    </ike-sa-local-id>
    <ike-sa-remote-id>
      ike-sa-remote-id
    </ike-sa-remote-id>
    <ike-sa-flags>
      ike-sa-flags
    </ike-sa-flags>
  </ike-sa-phase2-information>
</ike-security-associations>
</ike-security-associations-block>
</gvpn-kek-security-associations-information>

```

**Description** Information about phase 2 negotiation

### <ike-sa-traffic-statistics>

#### Usage

```
<ike-sa-traffic-statistics>
  <ike-sa-input-packets>
    ike-sa-input-packets
  </ike-sa-input-packets>
  <ike-sa-output-packets>
    ike-sa-output-packets
  </ike-sa-output-packets>
  <ike-sa-input-bytes>
    ike-sa-input-bytes
  </ike-sa-input-bytes>
  <ike-sa-output-bytes>
    ike-sa-output-bytes
  </ike-sa-output-bytes>
</ike-sa-traffic-statistics>
```

**Description** Number of packets and bytes received and transmitted on the SA

### <ike-sa-traffic-statistics>

#### Usage

```
<ike-security-associations>
  <ike-sa-traffic-statistics>
    <ike-sa-input-packets>
      ike-sa-input-packets
    </ike-sa-input-packets>
    <ike-sa-output-packets>
      ike-sa-output-packets
    </ike-sa-output-packets>
    <ike-sa-input-bytes>
      ike-sa-input-bytes
    </ike-sa-input-bytes>
    <ike-sa-output-bytes>
      ike-sa-output-bytes
    </ike-sa-output-bytes>
  </ike-sa-traffic-statistics>
</ike-security-associations>
```

**Description** Number of packets and bytes received and transmitted on the SA

### <ike-sa-traffic-statistics>

#### Usage

```
<ike-security-associations-block>
  <ike-security-associations>
    <ike-sa-traffic-statistics>
      <ike-sa-input-packets>
        ike-sa-input-packets
```



```

</ike-sa-input-packets>
<ike-sa-output-packets>
  ike-sa-output-packets
</ike-sa-output-packets>
<ike-sa-input-bytes>
  ike-sa-input-bytes
</ike-sa-input-bytes>
<ike-sa-output-bytes>
  ike-sa-output-bytes
</ike-sa-output-bytes>
</ike-sa-traffic-statistics>
</ike-security-associations>
</ike-security-associations-block>

```

**Description** Number of packets and bytes received and transmitted on the SA

### <ike-sa-traffic-statistics>

#### Usage

```

<ike-security-associations-information>
<ike-security-associations>
  <ike-sa-traffic-statistics>
    <ike-sa-input-packets>
      ike-sa-input-packets
    </ike-sa-input-packets>
    <ike-sa-output-packets>
      ike-sa-output-packets
    </ike-sa-output-packets>
    <ike-sa-input-bytes>
      ike-sa-input-bytes
    </ike-sa-input-bytes>
    <ike-sa-output-bytes>
      ike-sa-output-bytes
    </ike-sa-output-bytes>
  </ike-sa-traffic-statistics>
</ike-security-associations>
</ike-security-associations-information>

```

**Description** Number of packets and bytes received and transmitted on the SA

### <ike-sa-traffic-statistics>

#### Usage

```

<ike-security-associations-information>
<ike-security-associations-block>
<ike-security-associations>
  <ike-sa-traffic-statistics>
    <ike-sa-input-packets>
      ike-sa-input-packets
    </ike-sa-input-packets>
    <ike-sa-output-packets>
      ike-sa-output-packets

```

```
</ike-sa-output-packets>
<ike-sa-input-bytes>
  ike-sa-input-bytes
</ike-sa-input-bytes>
<ike-sa-output-bytes>
  ike-sa-output-bytes
</ike-sa-output-bytes>
</ike-sa-traffic-statistics>
</ike-security-associations>
</ike-security-associations-block>
</ike-security-associations-information>
```

**Description** Number of packets and bytes received and transmitted on the SA

### <ike-sa-traffic-statistics>

#### Usage

```
<gvpn-kek-security-associations-information>
<ike-security-associations>
  <ike-sa-traffic-statistics>
    <ike-sa-input-packets>
      ike-sa-input-packets
    </ike-sa-input-packets>
    <ike-sa-output-packets>
      ike-sa-output-packets
    </ike-sa-output-packets>
    <ike-sa-input-bytes>
      ike-sa-input-bytes
    </ike-sa-input-bytes>
    <ike-sa-output-bytes>
      ike-sa-output-bytes
    </ike-sa-output-bytes>
  </ike-sa-traffic-statistics>
</ike-security-associations>
</gvpn-kek-security-associations-information>
```

**Description** Number of packets and bytes received and transmitted on the SA

### <ike-sa-traffic-statistics>

#### Usage

```
<gvpn-kek-security-associations-information>
<ike-security-associations-block>
  <ike-security-associations>
    <ike-sa-traffic-statistics>
      <ike-sa-input-packets>
        ike-sa-input-packets
      </ike-sa-input-packets>
      <ike-sa-output-packets>
        ike-sa-output-packets
      </ike-sa-output-packets>
      <ike-sa-input-bytes>
```

```

    ike-sa-input-bytes
  </ike-sa-input-bytes>
  <ike-sa-output-bytes>
    ike-sa-output-bytes
  </ike-sa-output-bytes>
  </ike-sa-traffic-statistics>
</ike-security-associations>
</ike-security-associations-block>
</gvpn-kek-security-associations-information>

```

**Description** Number of packets and bytes received and transmitted on the SA

## <ike-security-associations>

### Usage

```

<ike-security-associations>
  <ike-sa-role>
    ike-sa-role
  </ike-sa-role>
  <ike-sa-state>
    ike-sa-state
  </ike-sa-state>
  <ike-sa-initiator-cookie>
    ike-sa-initiator-cookie
  </ike-sa-initiator-cookie>
  <ike-sa-responder-cookie>
    ike-sa-responder-cookie
  </ike-sa-responder-cookie>
  <ike-sa-exchange-type>
    ike-sa-exchange-type
  </ike-sa-exchange-type>
  <ike-sa-authentication-method>
    ike-sa-authentication-method
  </ike-sa-authentication-method>
  <ike-sa-local-address>
    ike-sa-local-address
  </ike-sa-local-address>
  <ike-sa-local-port>
    ike-sa-local-port
  </ike-sa-local-port>
  <ike-sa-remote-address>
    ike-sa-remote-address
  </ike-sa-remote-address>
  <ike-sa-remote-port>
    ike-sa-remote-port
  </ike-sa-remote-port>
  <ike-sa-lifetime>
    ike-sa-lifetime
  </ike-sa-lifetime>
  <ike-sa-algorithms>....</ike-sa-algorithms>
  <ike-sa-traffic-statistics>....</ike-sa-traffic-statistics>
  <ike-sa-misc>....</ike-sa-misc>
  <ike-sa-index>
    ike-sa-index

```

```
</ike-sa-index>
<ike-xauth-user-info>....</ike-xauth-user-info>
<ike-sa-phase2-information>....</ike-sa-phase2-information>
<kek-sa-misc>....</kek-sa-misc>
<kek-sa-group-info>....</kek-sa-group-info>
<kek-sa-server-info>....</kek-sa-server-info>
</ike-security-associations>
```

**Description** Information about a single security association

## <ike-security-associations>

### Usage

```
<ike-security-associations-block>
<ike-security-associations>
  <ike-sa-role>
    ike-sa-role
  </ike-sa-role>
  <ike-sa-state>
    ike-sa-state
  </ike-sa-state>
  <ike-sa-initiator-cookie>
    ike-sa-initiator-cookie
  </ike-sa-initiator-cookie>
  <ike-sa-responder-cookie>
    ike-sa-responder-cookie
  </ike-sa-responder-cookie>
  <ike-sa-exchange-type>
    ike-sa-exchange-type
  </ike-sa-exchange-type>
  <ike-sa-authentication-method>
    ike-sa-authentication-method
  </ike-sa-authentication-method>
  <ike-sa-local-address>
    ike-sa-local-address
  </ike-sa-local-address>
  <ike-sa-local-port>
    ike-sa-local-port
  </ike-sa-local-port>
  <ike-sa-remote-address>
    ike-sa-remote-address
  </ike-sa-remote-address>
  <ike-sa-remote-port>
    ike-sa-remote-port
  </ike-sa-remote-port>
  <ike-sa-lifetime>
    ike-sa-lifetime
  </ike-sa-lifetime>
  <ike-sa-algorithms>....</ike-sa-algorithms>
  <ike-sa-traffic-statistics>....</ike-sa-traffic-statistics>
  <ike-sa-misc>....</ike-sa-misc>
  <ike-sa-index>
    ike-sa-index
  </ike-sa-index>
```

```

<ike-xauth-user-info>....</ike-xauth-user-info>
<ike-sa-phase2-information>....</ike-sa-phase2-information>
<kek-sa-misc>....</kek-sa-misc>
<kek-sa-group-info>....</kek-sa-group-info>
<kek-sa-server-info>....</kek-sa-server-info>
</ike-security-associations>
</ike-security-associations-block>

```

**Description** Information about a single security association

## <ike-security-associations>

### Usage

```

<ike-security-associations-information>
<ike-security-associations>
  <ike-sa-role>
    ike-sa-role
  </ike-sa-role>
  <ike-sa-state>
    ike-sa-state
  </ike-sa-state>
  <ike-sa-initiator-cookie>
    ike-sa-initiator-cookie
  </ike-sa-initiator-cookie>
  <ike-sa-responder-cookie>
    ike-sa-responder-cookie
  </ike-sa-responder-cookie>
  <ike-sa-exchange-type>
    ike-sa-exchange-type
  </ike-sa-exchange-type>
  <ike-sa-authentication-method>
    ike-sa-authentication-method
  </ike-sa-authentication-method>
  <ike-sa-local-address>
    ike-sa-local-address
  </ike-sa-local-address>
  <ike-sa-local-port>
    ike-sa-local-port
  </ike-sa-local-port>
  <ike-sa-remote-address>
    ike-sa-remote-address
  </ike-sa-remote-address>
  <ike-sa-remote-port>
    ike-sa-remote-port
  </ike-sa-remote-port>
  <ike-sa-lifetime>
    ike-sa-lifetime
  </ike-sa-lifetime>
  <ike-sa-algorithms>....</ike-sa-algorithms>
  <ike-sa-traffic-statistics>....</ike-sa-traffic-statistics>
  <ike-sa-misc>....</ike-sa-misc>
  <ike-sa-index>
    ike-sa-index
  </ike-sa-index>

```

```
<ike-xauth-user-info>....</ike-xauth-user-info>
<ike-sa-phase2-information>....</ike-sa-phase2-information>
<kek-sa-misc>....</kek-sa-misc>
<kek-sa-group-info>....</kek-sa-group-info>
<kek-sa-server-info>....</kek-sa-server-info>
</ike-security-associations>
</ike-security-associations-information>
```

**Description** Information about a single security association

## <ike-security-associations>

### Usage

```
<ike-security-associations-information>
<ike-security-associations-block>
  <ike-security-associations>
    <ike-sa-role>
      ike-sa-role
    </ike-sa-role>
    <ike-sa-state>
      ike-sa-state
    </ike-sa-state>
    <ike-sa-initiator-cookie>
      ike-sa-initiator-cookie
    </ike-sa-initiator-cookie>
    <ike-sa-responder-cookie>
      ike-sa-responder-cookie
    </ike-sa-responder-cookie>
    <ike-sa-exchange-type>
      ike-sa-exchange-type
    </ike-sa-exchange-type>
    <ike-sa-authentication-method>
      ike-sa-authentication-method
    </ike-sa-authentication-method>
    <ike-sa-local-address>
      ike-sa-local-address
    </ike-sa-local-address>
    <ike-sa-local-port>
      ike-sa-local-port
    </ike-sa-local-port>
    <ike-sa-remote-address>
      ike-sa-remote-address
    </ike-sa-remote-address>
    <ike-sa-remote-port>
      ike-sa-remote-port
    </ike-sa-remote-port>
    <ike-sa-lifetime>
      ike-sa-lifetime
    </ike-sa-lifetime>
    <ike-sa-algorithms>....</ike-sa-algorithms>
    <ike-sa-traffic-statistics>....</ike-sa-traffic-statistics>
    <ike-sa-misc>....</ike-sa-misc>
    <ike-sa-index>
      ike-sa-index
```

```

</ike-sa-index>
<ike-xauth-user-info>....</ike-xauth-user-info>
<ike-sa-phase2-information>....</ike-sa-phase2-information>
<kek-sa-misc>....</kek-sa-misc>
<kek-sa-group-info>....</kek-sa-group-info>
<kek-sa-server-info>....</kek-sa-server-info>
</ike-security-associations>
</ike-security-associations-block>
</ike-security-associations-information>

```

**Description** Information about a single security association

## <ike-security-associations>

### Usage

```

<gvpn-kek-security-associations-information>
<ike-security-associations>
  <ike-sa-role>
    ike-sa-role
  </ike-sa-role>
  <ike-sa-state>
    ike-sa-state
  </ike-sa-state>
  <ike-sa-initiator-cookie>
    ike-sa-initiator-cookie
  </ike-sa-initiator-cookie>
  <ike-sa-responder-cookie>
    ike-sa-responder-cookie
  </ike-sa-responder-cookie>
  <ike-sa-exchange-type>
    ike-sa-exchange-type
  </ike-sa-exchange-type>
  <ike-sa-authentication-method>
    ike-sa-authentication-method
  </ike-sa-authentication-method>
  <ike-sa-local-address>
    ike-sa-local-address
  </ike-sa-local-address>
  <ike-sa-local-port>
    ike-sa-local-port
  </ike-sa-local-port>
  <ike-sa-remote-address>
    ike-sa-remote-address
  </ike-sa-remote-address>
  <ike-sa-remote-port>
    ike-sa-remote-port
  </ike-sa-remote-port>
  <ike-sa-lifetime>
    ike-sa-lifetime
  </ike-sa-lifetime>
  <ike-sa-algorithms>....</ike-sa-algorithms>
  <ike-sa-traffic-statistics>....</ike-sa-traffic-statistics>
  <ike-sa-misc>....</ike-sa-misc>
</ike-sa-index>

```

```
    ike-sa-index
  </ike-sa-index>
  <ike-xauth-user-info>....</ike-xauth-user-info>
  <ike-sa-phase2-information>....</ike-sa-phase2-information>
  <kek-sa-misc>....</kek-sa-misc>
  <kek-sa-group-info>....</kek-sa-group-info>
  <kek-sa-server-info>....</kek-sa-server-info>
  </ike-security-associations>
</gvpn-kek-security-associations-information>
```

**Description** Information about a single security association

### <ike-security-associations>

#### Usage

```
<gvpn-kek-security-associations-information>
  <ike-security-associations-block>
    <ike-security-associations>
      <ike-sa-role>
        ike-sa-role
      </ike-sa-role>
      <ike-sa-state>
        ike-sa-state
      </ike-sa-state>
      <ike-sa-initiator-cookie>
        ike-sa-initiator-cookie
      </ike-sa-initiator-cookie>
      <ike-sa-responder-cookie>
        ike-sa-responder-cookie
      </ike-sa-responder-cookie>
      <ike-sa-exchange-type>
        ike-sa-exchange-type
      </ike-sa-exchange-type>
      <ike-sa-authentication-method>
        ike-sa-authentication-method
      </ike-sa-authentication-method>
      <ike-sa-local-address>
        ike-sa-local-address
      </ike-sa-local-address>
      <ike-sa-local-port>
        ike-sa-local-port
      </ike-sa-local-port>
      <ike-sa-remote-address>
        ike-sa-remote-address
      </ike-sa-remote-address>
      <ike-sa-remote-port>
        ike-sa-remote-port
      </ike-sa-remote-port>
      <ike-sa-lifetime>
        ike-sa-lifetime
      </ike-sa-lifetime>
      <ike-sa-algorithms>....</ike-sa-algorithms>
      <ike-sa-traffic-statistics>....</ike-sa-traffic-statistics>
      <ike-sa-misc>....</ike-sa-misc>
```



```

<ike-sa-index>
  ike-sa-index
</ike-sa-index>
<ike-xauth-user-info>....</ike-xauth-user-info>
<ike-sa-phase2-information>....</ike-sa-phase2-information>
<kek-sa-misc>....</kek-sa-misc>
<kek-sa-group-info>....</kek-sa-group-info>
<kek-sa-server-info>....</kek-sa-server-info>
</ike-security-associations>
</ike-security-associations-block>
</gvpn-kek-security-associations-information>

```

**Description** Information about a single security association

### <ike-security-associations-block>

#### Usage

```

<ike-security-associations-block>
  <ike-sa-remote-address>
    ike-sa-remote-address
  </ike-sa-remote-address>
  <ike-sa-index>
    ike-sa-index
  </ike-sa-index>
  <ike-sa-location>....</ike-sa-location>
  <ike-security-associations>....</ike-security-associations>
</ike-security-associations-block>

```

**Description** Information about a single security association block

### <ike-security-associations-block>

#### Usage

```

<ike-security-associations-information>
  <ike-security-associations-block>
    <ike-sa-remote-address>
      ike-sa-remote-address
    </ike-sa-remote-address>
    <ike-sa-index>
      ike-sa-index
    </ike-sa-index>
    <ike-sa-location>....</ike-sa-location>
    <ike-security-associations>....</ike-security-associations>
  </ike-security-associations-block>
</ike-security-associations-information>

```

**Description** Information about a single security association block

## <ike-security-associations-block>

### Usage

```
<gvpn-kek-security-associations-information>
  <ike-security-associations-block>
    <ike-sa-remote-address>
      ike-sa-remote-address
    </ike-sa-remote-address>
    <ike-sa-index>
      ike-sa-index
    </ike-sa-index>
    <ike-sa-location>....</ike-sa-location>
    <ike-security-associations>....</ike-security-associations>
  </ike-security-associations-block>
</gvpn-kek-security-associations-information>
```

**Description** Information about a single security association block

## <ike-security-associations-information>

### Usage

```
<ike-security-associations-information>
  <ike-sa-location>....</ike-sa-location>
  <ike-security-associations>....</ike-security-associations>
  <ike-sa-phase2-information>....</ike-sa-phase2-information>
  <ike-security-associations-block>....</ike-security-associations-block>
</ike-security-associations-information>
```

**Description**

## <ike-show-pre-shared-key-information>

### Usage

```
<ike-show-pre-shared-key-information>
  <pre-shared-key>
    pre-shared-key
  </pre-shared-key>
</ike-show-pre-shared-key-information>
```

**Description**

## <ike-stats-information>

### Usage

```
<ike-stats-information>
  <ike-sa-location>....</ike-sa-location>
  <stats-name>
    stats-name
  </stats-name>
</ike-stats-information>
```

**Description****<ike-xauth-user-info>****Usage**

```

<ike-security-associations>
  <ike-xauth-user-info>
    <ike-ike-id>
      ike-ike-id
    </ike-ike-id>
    <ike-xauth-username>
      ike-xauth-username
    </ike-xauth-username>
    <ike-xauth-user-assigned-ip>
      ike-xauth-user-assigned-ip
    </ike-xauth-user-assigned-ip>
  </ike-xauth-user-info>
</ike-security-associations>

```

**Description** Xauth user information

**<ike-xauth-user-info>****Usage**

```

<ike-security-associations-block>
  <ike-security-associations>
    <ike-xauth-user-info>
      <ike-ike-id>
        ike-ike-id
      </ike-ike-id>
      <ike-xauth-username>
        ike-xauth-username
      </ike-xauth-username>
      <ike-xauth-user-assigned-ip>
        ike-xauth-user-assigned-ip
      </ike-xauth-user-assigned-ip>
    </ike-xauth-user-info>
  </ike-security-associations>
</ike-security-associations-block>

```

**Description** Xauth user information

**<ike-xauth-user-info>****Usage**

```

<ike-xauth-user-info>
  <ike-ike-id>
    ike-ike-id
  </ike-ike-id>
  <ike-xauth-username>
    ike-xauth-username
  </ike-xauth-username>
  <ike-xauth-user-assigned-ip>

```

```
    ike-xauth-user-assigned-ip
  </ike-xauth-user-assigned-ip>
</ike-xauth-user-info>
```

**Description** Xauth user information

### <ike-xauth-user-info>

#### Usage

```
<ike-security-associations-information>
  <ike-security-associations>
    <ike-xauth-user-info>
      <ike-ike-id>
        ike-ike-id
      </ike-ike-id>
      <ike-xauth-username>
        ike-xauth-username
      </ike-xauth-username>
      <ike-xauth-user-assigned-ip>
        ike-xauth-user-assigned-ip
      </ike-xauth-user-assigned-ip>
    </ike-xauth-user-info>
  </ike-security-associations>
</ike-security-associations-information>
```

**Description** Xauth user information

### <ike-xauth-user-info>

#### Usage

```
<ike-security-associations-information>
  <ike-security-associations-block>
    <ike-security-associations>
      <ike-xauth-user-info>
        <ike-ike-id>
          ike-ike-id
        </ike-ike-id>
        <ike-xauth-username>
          ike-xauth-username
        </ike-xauth-username>
        <ike-xauth-user-assigned-ip>
          ike-xauth-user-assigned-ip
        </ike-xauth-user-assigned-ip>
      </ike-xauth-user-info>
    </ike-security-associations>
  </ike-security-associations-block>
</ike-security-associations-information>
```

**Description** Xauth user information

**<ike-xauth-user-info>****Usage**

```

<gvpn-kek-security-associations-information>
  <ike-security-associations>
    <ike-xauth-user-info>
      <ike-ike-id>
        ike-ike-id
      </ike-ike-id>
      <ike-xauth-username>
        ike-xauth-username
      </ike-xauth-username>
      <ike-xauth-user-assigned-ip>
        ike-xauth-user-assigned-ip
      </ike-xauth-user-assigned-ip>
    </ike-xauth-user-info>
  </ike-security-associations>
</gvpn-kek-security-associations-information>

```

**Description** Xauth user information

**<ike-xauth-user-info>****Usage**

```

<gvpn-kek-security-associations-information>
  <ike-security-associations-block>
    <ike-security-associations>
      <ike-xauth-user-info>
        <ike-ike-id>
          ike-ike-id
        </ike-ike-id>
        <ike-xauth-username>
          ike-xauth-username
        </ike-xauth-username>
        <ike-xauth-user-assigned-ip>
          ike-xauth-user-assigned-ip
        </ike-xauth-user-assigned-ip>
      </ike-xauth-user-info>
    </ike-security-associations>
  </ike-security-associations-block>
</gvpn-kek-security-associations-information>

```

**Description** Xauth user information

**<iked-spu-mapping>****Usage**

```

<iked-spu-mapping>
  <spu-logical-spu>
    spu-logical-spu
  </spu-logical-spu>
  <spu-physical-spu>

```

```
    spu-physical-spu
  </spu-physical-spu>
</iked-spu-mapping>
```

**Description** Information about logical SPU to physical SPU mapping

### <iked-spu-mapping>

**Usage**

```
<iked-spu-mapping-information>
  <iked-spu-mapping>
    <spu-logical-spu>
      spu-logical-spu
    </spu-logical-spu>
    <spu-physical-spu>
      spu-physical-spu
    </spu-physical-spu>
  </iked-spu-mapping>
</iked-spu-mapping-information>
```

**Description** Information about logical SPU to physical SPU mapping

### <iked-spu-mapping-information>

**Usage**

```
<iked-spu-mapping-information>
  <iked-spu-mapping>....</iked-spu-mapping>
</iked-spu-mapping-information>
```

**Description**

### <iked-spu-p2-key>

**Usage**

```
<iked-spu-p2-key>
  <p2-key>
    p2-key
  </p2-key>
</iked-spu-p2-key>
```

**Description** SPU last phase 2 key synced

### <iked-spu-p2-key>

**Usage**

```
<iked-spu-p2-key-information>
  <iked-spu-p2-key>
    <p2-key>
      p2-key
    </p2-key>
```

```
</iked-spu-p2-key>
</iked-spu-p2-key-information>
```

**Description** SPU last phase 2 key synced

### <iked-spu-p2-key-information>

#### Usage

```
<iked-spu-p2-key-information>
  <iked-spu-p2-key>....</iked-spu-p2-key>
</iked-spu-p2-key-information>
```

#### Description

### <ipsec-active-tunnel-debug-information>

#### Usage

```
<ipsec-active-tunnel-debug-information>
  <sa-location>....</sa-location>
  <ipsec-security-associations>....</ipsec-security-associations>
  <ipsec-security-associations-block>....</ipsec-security-associations-block>
  <total-dialup-tunnels>
    total-dialup-tunnels
  </total-dialup-tunnels>
</ipsec-active-tunnel-debug-information>
```

#### Description

### <ipsec-gvpn-security-associations-block>

#### Usage

```
<ipsec-gvpn-security-associations-block>
  <sa-configuration-type>
    sa-configuration-type
  </sa-configuration-type>
  <sa-virtual-system>
    sa-virtual-system
  </sa-virtual-system>
  <sa-local-gateway>
    sa-local-gateway
  </sa-local-gateway>
  <sa-remote-gateway>
    sa-remote-gateway
  </sa-remote-gateway>
  <sa-local-identity>
    sa-local-identity
  </sa-local-identity>
  <sa-remote-identity>
    sa-remote-identity
  </sa-remote-identity>
  <sa-df-bit-policy-name>....</sa-df-bit-policy-name>
  <ipsec-security-associations>....</ipsec-security-associations>
```

```
<sa-location>....</sa-location>
</ipsec-gvpn-security-associations-block>
```

#### Description

### <ipsec-gvpn-security-associations-block>

#### Usage

```
<ipsec-security-associations-information>
  <ipsec-gvpn-security-associations-block>
    <sa-configuration-type>
      sa-configuration-type
    </sa-configuration-type>
    <sa-virtual-system>
      sa-virtual-system
    </sa-virtual-system>
    <sa-local-gateway>
      sa-local-gateway
    </sa-local-gateway>
    <sa-remote-gateway>
      sa-remote-gateway
    </sa-remote-gateway>
    <sa-local-identity>
      sa-local-identity
    </sa-local-identity>
    <sa-remote-identity>
      sa-remote-identity
    </sa-remote-identity>
    <sa-df-bit-policy-name>....</sa-df-bit-policy-name>
    <ipsec-security-associations>....</ipsec-security-associations>
    <sa-location>....</sa-location>
  </ipsec-gvpn-security-associations-block>
</ipsec-security-associations-information>
```

#### Description

### <ipsec-next-hop-tunnel-binding-information>

#### Usage

```
<ipsec-next-hop-tunnel-binding-information>
  <nhtb-gateway-address>
    nhtb-gateway-address
  </nhtb-gateway-address>
  <nhtb-tunnel-interface-name>
    nhtb-tunnel-interface-name
  </nhtb-tunnel-interface-name>
  <nhtb-vpn-name>
    nhtb-vpn-name
  </nhtb-vpn-name>
  <nhtb-flag>
    nhtb-flag
  </nhtb-flag>
</ipsec-next-hop-tunnel-binding-information>
```



**Description****<ipsec-pic-redundancy>****Usage**

```

<ipsec-pic-redundancy>
  <ipsec-redundancy-counter>
    ipsec-redundancy-counter
  </ipsec-redundancy-counter>
  <ipsec-redundancy-pic-no-information>
    ipsec-redundancy-pic-no-information
  </ipsec-redundancy-pic-no-information>
  <ipsec-pic-redundancy-primary-interface>
    ipsec-pic-redundancy-primary-interface
  </ipsec-pic-redundancy-primary-interface>
  <ipsec-pic-redundancy-backup-interface>
    ipsec-pic-redundancy-backup-interface
  </ipsec-pic-redundancy-backup-interface>
  <ipsec-redundancy-primary-state>
    ipsec-redundancy-primary-state
  </ipsec-redundancy-primary-state>
  <ipsec-redundancy-backup-state>
    ipsec-redundancy-backup-state
  </ipsec-redundancy-backup-state>
</ipsec-pic-redundancy>

```

**Description** Information about ipsec pic redundancy

**<ipsec-pic-redundancy>****Usage**

```

<ipsec-pic-redundancy-information>
  <ipsec-pic-redundancy>
    <ipsec-redundancy-counter>
      ipsec-redundancy-counter
    </ipsec-redundancy-counter>
    <ipsec-redundancy-pic-no-information>
      ipsec-redundancy-pic-no-information
    </ipsec-redundancy-pic-no-information>
    <ipsec-pic-redundancy-primary-interface>
      ipsec-pic-redundancy-primary-interface
    </ipsec-pic-redundancy-primary-interface>
    <ipsec-pic-redundancy-backup-interface>
      ipsec-pic-redundancy-backup-interface
    </ipsec-pic-redundancy-backup-interface>
    <ipsec-redundancy-primary-state>
      ipsec-redundancy-primary-state
    </ipsec-redundancy-primary-state>
    <ipsec-redundancy-backup-state>
      ipsec-redundancy-backup-state
    </ipsec-redundancy-backup-state>
  </ipsec-pic-redundancy>
</ipsec-pic-redundancy-information>

```

**Description** Information about ipsec pic redundancy

### <ipsec-pic-redundancy-information>

**Usage**

```
<ipsec-pic-redundancy-information>
  <ipsec-pic-redundancy>....</ipsec-pic-redundancy>
</ipsec-pic-redundancy-information>
```

**Description**

### <ipsec-registered-members>

**Usage**

```
<ipsec-registered-members>
  <member-gateway-name>
    member-gateway-name
  </member-gateway-name>
  <member-ip-addr>
    member-ip-addr
  </member-ip-addr>
  <member-last-update>
    member-last-update
  </member-last-update>
  <member-vsys>
    member-vsys
  </member-vsys>
</ipsec-registered-members>
```

**Description**

### <ipsec-registered-members>

**Usage**

```
<ipsec-registered-members-information>
  <ipsec-registered-members>
    <member-gateway-name>
      member-gateway-name
    </member-gateway-name>
    <member-ip-addr>
      member-ip-addr
    </member-ip-addr>
    <member-last-update>
      member-last-update
    </member-last-update>
    <member-vsys>
      member-vsys
    </member-vsys>
  </ipsec-registered-members>
</ipsec-registered-members-information>
```

**Description**

## <ipsec-registered-members-information>

### Usage

```

<ipsec-registered-members-information>
  <ipsec-registered-members>....</ipsec-registered-members>
  <member-group-name>
    member-group-name
  </member-group-name>
  <member-group-id>
    member-group-id
  </member-group-id>
</ipsec-registered-members-information>

```

### Description

## <ipsec-security-associations>

### Usage

```

<ipsec-security-associations-block>
  <ipsec-security-associations>
    <sa-tunnel-index>
      sa-tunnel-index
    </sa-tunnel-index>
    <sa-direction>
      sa-direction
    </sa-direction>
    <sa-remote-gateway>
      sa-remote-gateway
    </sa-remote-gateway>
    <sa-gvpn-server>
      sa-gvpn-server
    </sa-gvpn-server>
    <sa-port>
      sa-port
    </sa-port>
    <sa-protocol>
      sa-protocol
    </sa-protocol>
    <sa-esp-encryption-algorithm>
      sa-esp-encryption-algorithm
    </sa-esp-encryption-algorithm>
    <sa-hmac-algorithm>
      sa-hmac-algorithm
    </sa-hmac-algorithm>
    <sa-spi>
      sa-spi
    </sa-spi>
    <sa-aux-spi>
      sa-aux-spi
    </sa-aux-spi>
    <sa-hard-lifetime>
      sa-hard-lifetime
    </sa-hard-lifetime>
    <sa-lifesize-remaining>

```

```
    sa-lifesize-remaining
  </sa-lifesize-remaining>
  <sa-installation-state>
    sa-installation-state
  </sa-installation-state>
  <sa-vpn-monitoring-state>
    sa-vpn-monitoring-state
  </sa-vpn-monitoring-state>
  <sa-gvpn-groupid>
    sa-gvpn-groupid
  </sa-gvpn-groupid>
  <sa-virtual-system>
    sa-virtual-system
  </sa-virtual-system>
  <sa-mode>
    sa-mode
  </sa-mode>
  <sa-type>
    sa-type
  </sa-type>
  <sa-state>
    sa-state
  </sa-state>
  <sa-authentication-algorithm>
    sa-authentication-algorithm
  </sa-authentication-algorithm>
  <sa-encryption-algorithm>
    sa-encryption-algorithm
  </sa-encryption-algorithm>
  <sa-soft-lifetime>
    sa-soft-lifetime
  </sa-soft-lifetime>
  <sa-anti-replay-service>
    sa-anti-replay-service
  </sa-anti-replay-service>
  <sa-replay-window-size>
    sa-replay-window-size
  </sa-replay-window-size>
  <sa-nego-num>
    sa-nego-num
  </sa-nego-num>
  <sa-nego-fail>
    sa-nego-fail
  </sa-nego-fail>
  <sa-del-num>
    sa-del-num
  </sa-del-num>
  <sa-flag>
    sa-flag
  </sa-flag>
</ipsec-security-associations>
</ipsec-security-associations-block>
```

## Description

## &lt;ipsec-security-associations&gt;

## Usage

```

<ipsec-gvpn-security-associations-block>
  <ipsec-security-associations>
    <sa-tunnel-index>
      sa-tunnel-index
    </sa-tunnel-index>
    <sa-direction>
      sa-direction
    </sa-direction>
    <sa-remote-gateway>
      sa-remote-gateway
    </sa-remote-gateway>
    <sa-gvpn-server>
      sa-gvpn-server
    </sa-gvpn-server>
    <sa-port>
      sa-port
    </sa-port>
    <sa-protocol>
      sa-protocol
    </sa-protocol>
    <sa-esp-encryption-algorithm>
      sa-esp-encryption-algorithm
    </sa-esp-encryption-algorithm>
    <sa-hmac-algorithm>
      sa-hmac-algorithm
    </sa-hmac-algorithm>
    <sa-spi>
      sa-spi
    </sa-spi>
    <sa-aux-spi>
      sa-aux-spi
    </sa-aux-spi>
    <sa-hard-lifetime>
      sa-hard-lifetime
    </sa-hard-lifetime>
    <sa-lifesize-remaining>
      sa-lifesize-remaining
    </sa-lifesize-remaining>
    <sa-installation-state>
      sa-installation-state
    </sa-installation-state>
    <sa-vpn-monitoring-state>
      sa-vpn-monitoring-state
    </sa-vpn-monitoring-state>
    <sa-gvpn-groupid>
      sa-gvpn-groupid
    </sa-gvpn-groupid>
    <sa-virtual-system>
      sa-virtual-system
    </sa-virtual-system>
    <sa-mode>
      sa-mode

```

```
</sa-mode>
<sa-type>
  sa-type
</sa-type>
<sa-state>
  sa-state
</sa-state>
<sa-authentication-algorithm>
  sa-authentication-algorithm
</sa-authentication-algorithm>
<sa-encryption-algorithm>
  sa-encryption-algorithm
</sa-encryption-algorithm>
<sa-soft-lifetime>
  sa-soft-lifetime
</sa-soft-lifetime>
<sa-anti-replay-service>
  sa-anti-replay-service
</sa-anti-replay-service>
<sa-replay-window-size>
  sa-replay-window-size
</sa-replay-window-size>
<sa-nego-num>
  sa-nego-num
</sa-nego-num>
<sa-nego-fail>
  sa-nego-fail
</sa-nego-fail>
<sa-del-num>
  sa-del-num
</sa-del-num>
<sa-flag>
  sa-flag
</sa-flag>
</ipsec-security-associations>
</ipsec-gvpn-security-associations-block>
```

## Description

### <ipsec-security-associations>

#### Usage

```
<ipsec-security-associations>
  <sa-tunnel-index>
    sa-tunnel-index
  </sa-tunnel-index>
  <sa-direction>
    sa-direction
  </sa-direction>
  <sa-remote-gateway>
    sa-remote-gateway
  </sa-remote-gateway>
  <sa-gvpn-server>
    sa-gvpn-server
  </sa-gvpn-server>
```

```
<sa-port>
  sa-port
</sa-port>
<sa-protocol>
  sa-protocol
</sa-protocol>
<sa-esp-encryption-algorithm>
  sa-esp-encryption-algorithm
</sa-esp-encryption-algorithm>
<sa-hmac-algorithm>
  sa-hmac-algorithm
</sa-hmac-algorithm>
<sa-spi>
  sa-spi
</sa-spi>
<sa-aux-spi>
  sa-aux-spi
</sa-aux-spi>
<sa-hard-lifetime>
  sa-hard-lifetime
</sa-hard-lifetime>
<sa-lifesize-remaining>
  sa-lifesize-remaining
</sa-lifesize-remaining>
<sa-installation-state>
  sa-installation-state
</sa-installation-state>
<sa-vpn-monitoring-state>
  sa-vpn-monitoring-state
</sa-vpn-monitoring-state>
<sa-gvpn-groupid>
  sa-gvpn-groupid
</sa-gvpn-groupid>
<sa-virtual-system>
  sa-virtual-system
</sa-virtual-system>
<sa-mode>
  sa-mode
</sa-mode>
<sa-type>
  sa-type
</sa-type>
<sa-state>
  sa-state
</sa-state>
<sa-authentication-algorithm>
  sa-authentication-algorithm
</sa-authentication-algorithm>
<sa-encryption-algorithm>
  sa-encryption-algorithm
</sa-encryption-algorithm>
<sa-soft-lifetime>
  sa-soft-lifetime
</sa-soft-lifetime>
<sa-anti-replay-service>
  sa-anti-replay-service
```

```
</sa-anti-replay-service>
<sa-replay-window-size>
  sa-replay-window-size
</sa-replay-window-size>
<sa-nego-num>
  sa-nego-num
</sa-nego-num>
<sa-nego-fail>
  sa-nego-fail
</sa-nego-fail>
<sa-del-num>
  sa-del-num
</sa-del-num>
<sa-flag>
  sa-flag
</sa-flag>
</ipsec-security-associations>
```

## Description

### <ipsec-security-associations>

#### Usage

```
<ipsec-security-associations-information>
<ipsec-security-associations>
  <sa-tunnel-index>
    sa-tunnel-index
  </sa-tunnel-index>
  <sa-direction>
    sa-direction
  </sa-direction>
  <sa-remote-gateway>
    sa-remote-gateway
  </sa-remote-gateway>
  <sa-gvpn-server>
    sa-gvpn-server
  </sa-gvpn-server>
  <sa-port>
    sa-port
  </sa-port>
  <sa-protocol>
    sa-protocol
  </sa-protocol>
  <sa-esp-encryption-algorithm>
    sa-esp-encryption-algorithm
  </sa-esp-encryption-algorithm>
  <sa-hmac-algorithm>
    sa-hmac-algorithm
  </sa-hmac-algorithm>
  <sa-spi>
    sa-spi
  </sa-spi>
  <sa-aux-spi>
    sa-aux-spi
  </sa-aux-spi>
```



```
<sa-hard-lifetime>
  sa-hard-lifetime
</sa-hard-lifetime>
<sa-lifetime-remaining>
  sa-lifetime-remaining
</sa-lifetime-remaining>
<sa-installation-state>
  sa-installation-state
</sa-installation-state>
<sa-vpn-monitoring-state>
  sa-vpn-monitoring-state
</sa-vpn-monitoring-state>
<sa-gvpn-groupid>
  sa-gvpn-groupid
</sa-gvpn-groupid>
<sa-virtual-system>
  sa-virtual-system
</sa-virtual-system>
<sa-mode>
  sa-mode
</sa-mode>
<sa-type>
  sa-type
</sa-type>
<sa-state>
  sa-state
</sa-state>
<sa-authentication-algorithm>
  sa-authentication-algorithm
</sa-authentication-algorithm>
<sa-encryption-algorithm>
  sa-encryption-algorithm
</sa-encryption-algorithm>
<sa-soft-lifetime>
  sa-soft-lifetime
</sa-soft-lifetime>
<sa-anti-replay-service>
  sa-anti-replay-service
</sa-anti-replay-service>
<sa-replay-window-size>
  sa-replay-window-size
</sa-replay-window-size>
<sa-nego-num>
  sa-nego-num
</sa-nego-num>
<sa-nego-fail>
  sa-nego-fail
</sa-nego-fail>
<sa-del-num>
  sa-del-num
</sa-del-num>
<sa-flag>
  sa-flag
</sa-flag>
</ipsec-security-associations>
```

</ipsec-security-associations-information>

## Description

### <ipsec-security-associations>

#### Usage

```
<ipsec-security-associations-information>
  <ipsec-security-associations-block>
    <ipsec-security-associations>
      <sa-tunnel-index>
        sa-tunnel-index
      </sa-tunnel-index>
      <sa-direction>
        sa-direction
      </sa-direction>
      <sa-remote-gateway>
        sa-remote-gateway
      </sa-remote-gateway>
      <sa-gvpn-server>
        sa-gvpn-server
      </sa-gvpn-server>
      <sa-port>
        sa-port
      </sa-port>
      <sa-protocol>
        sa-protocol
      </sa-protocol>
      <sa-esp-encryption-algorithm>
        sa-esp-encryption-algorithm
      </sa-esp-encryption-algorithm>
      <sa-hmac-algorithm>
        sa-hmac-algorithm
      </sa-hmac-algorithm>
      <sa-spi>
        sa-spi
      </sa-spi>
      <sa-aux-spi>
        sa-aux-spi
      </sa-aux-spi>
      <sa-hard-lifetime>
        sa-hard-lifetime
      </sa-hard-lifetime>
      <sa-lifesize-remaining>
        sa-lifesize-remaining
      </sa-lifesize-remaining>
      <sa-installation-state>
        sa-installation-state
      </sa-installation-state>
      <sa-vpn-monitoring-state>
        sa-vpn-monitoring-state
      </sa-vpn-monitoring-state>
      <sa-gvpn-groupid>
        sa-gvpn-groupid
      </sa-gvpn-groupid>
```

```

<sa-virtual-system>
  sa-virtual-system
</sa-virtual-system>
<sa-mode>
  sa-mode
</sa-mode>
<sa-type>
  sa-type
</sa-type>
<sa-state>
  sa-state
</sa-state>
<sa-authentication-algorithm>
  sa-authentication-algorithm
</sa-authentication-algorithm>
<sa-encryption-algorithm>
  sa-encryption-algorithm
</sa-encryption-algorithm>
<sa-soft-lifetime>
  sa-soft-lifetime
</sa-soft-lifetime>
<sa-anti-replay-service>
  sa-anti-replay-service
</sa-anti-replay-service>
<sa-replay-window-size>
  sa-replay-window-size
</sa-replay-window-size>
<sa-nego-num>
  sa-nego-num
</sa-nego-num>
<sa-nego-fail>
  sa-nego-fail
</sa-nego-fail>
<sa-del-num>
  sa-del-num
</sa-del-num>
<sa-flag>
  sa-flag
</sa-flag>
</ipsec-security-associations>
</ipsec-security-associations-block>
</ipsec-security-associations-information>

```

#### Description

#### <ipsec-security-associations>

##### Usage

```

<ipsec-security-associations-information>
<ipsec-gvpn-security-associations-block>
<ipsec-security-associations>
  <sa-tunnel-index>
    sa-tunnel-index
  </sa-tunnel-index>
  <sa-direction>

```

```
    sa-direction
  </sa-direction>
  <sa-remote-gateway>
    sa-remote-gateway
  </sa-remote-gateway>
  <sa-gvpn-server>
    sa-gvpn-server
  </sa-gvpn-server>
  <sa-port>
    sa-port
  </sa-port>
  <sa-protocol>
    sa-protocol
  </sa-protocol>
  <sa-esp-encryption-algorithm>
    sa-esp-encryption-algorithm
  </sa-esp-encryption-algorithm>
  <sa-hmac-algorithm>
    sa-hmac-algorithm
  </sa-hmac-algorithm>
  <sa-spi>
    sa-spi
  </sa-spi>
  <sa-aux-spi>
    sa-aux-spi
  </sa-aux-spi>
  <sa-hard-lifetime>
    sa-hard-lifetime
  </sa-hard-lifetime>
  <sa-lifesize-remaining>
    sa-lifesize-remaining
  </sa-lifesize-remaining>
  <sa-installation-state>
    sa-installation-state
  </sa-installation-state>
  <sa-vpn-monitoring-state>
    sa-vpn-monitoring-state
  </sa-vpn-monitoring-state>
  <sa-gvpn-groupid>
    sa-gvpn-groupid
  </sa-gvpn-groupid>
  <sa-virtual-system>
    sa-virtual-system
  </sa-virtual-system>
  <sa-mode>
    sa-mode
  </sa-mode>
  <sa-type>
    sa-type
  </sa-type>
  <sa-state>
    sa-state
  </sa-state>
  <sa-authentication-algorithm>
    sa-authentication-algorithm
  </sa-authentication-algorithm>
```

```

<sa-encryption-algorithm>
  sa-encryption-algorithm
</sa-encryption-algorithm>
<sa-soft-lifetime>
  sa-soft-lifetime
</sa-soft-lifetime>
<sa-anti-replay-service>
  sa-anti-replay-service
</sa-anti-replay-service>
<sa-replay-window-size>
  sa-replay-window-size
</sa-replay-window-size>
<sa-nego-num>
  sa-nego-num
</sa-nego-num>
<sa-nego-fail>
  sa-nego-fail
</sa-nego-fail>
<sa-del-num>
  sa-del-num
</sa-del-num>
<sa-flag>
  sa-flag
</sa-flag>
</ipsec-security-associations>
</ipsec-gvpn-security-associations-block>
</ipsec-security-associations-information>

```

## Description

### <ipsec-security-associations>

#### Usage

```

<ipsec-unestablished-tunnel-information>
<ipsec-security-associations>
  <sa-tunnel-index>
    sa-tunnel-index
  </sa-tunnel-index>
  <sa-direction>
    sa-direction
  </sa-direction>
  <sa-remote-gateway>
    sa-remote-gateway
  </sa-remote-gateway>
  <sa-gvpn-server>
    sa-gvpn-server
  </sa-gvpn-server>
  <sa-port>
    sa-port
  </sa-port>
  <sa-protocol>
    sa-protocol
  </sa-protocol>
  <sa-esp-encryption-algorithm>
    sa-esp-encryption-algorithm

```

```
</sa-esp-encryption-algorithm>
<sa-hmac-algorithm>
  sa-hmac-algorithm
</sa-hmac-algorithm>
<sa-spi>
  sa-spi
</sa-spi>
<sa-aux-spi>
  sa-aux-spi
</sa-aux-spi>
<sa-hard-lifetime>
  sa-hard-lifetime
</sa-hard-lifetime>
<sa-lifetime-remaining>
  sa-lifetime-remaining
</sa-lifetime-remaining>
<sa-installation-state>
  sa-installation-state
</sa-installation-state>
<sa-vpn-monitoring-state>
  sa-vpn-monitoring-state
</sa-vpn-monitoring-state>
<sa-gvpn-groupid>
  sa-gvpn-groupid
</sa-gvpn-groupid>
<sa-virtual-system>
  sa-virtual-system
</sa-virtual-system>
<sa-mode>
  sa-mode
</sa-mode>
<sa-type>
  sa-type
</sa-type>
<sa-state>
  sa-state
</sa-state>
<sa-authentication-algorithm>
  sa-authentication-algorithm
</sa-authentication-algorithm>
<sa-encryption-algorithm>
  sa-encryption-algorithm
</sa-encryption-algorithm>
<sa-soft-lifetime>
  sa-soft-lifetime
</sa-soft-lifetime>
<sa-anti-replay-service>
  sa-anti-replay-service
</sa-anti-replay-service>
<sa-replay-window-size>
  sa-replay-window-size
</sa-replay-window-size>
<sa-nego-num>
  sa-nego-num
</sa-nego-num>
<sa-nego-fail>
```

```

    sa-nego-fail
  </sa-nego-fail>
  <sa-del-num>
    sa-del-num
  </sa-del-num>
  <sa-flag>
    sa-flag
  </sa-flag>
</ipsec-security-associations>
</ipsec-unestablished-tunnel-information>

```

## Description

### <ipsec-security-associations>

#### Usage

```

<ipsec-unestablished-tunnel-information>
  <ipsec-security-associations-block>
    <ipsec-security-associations>
      <sa-tunnel-index>
        sa-tunnel-index
      </sa-tunnel-index>
      <sa-direction>
        sa-direction
      </sa-direction>
      <sa-remote-gateway>
        sa-remote-gateway
      </sa-remote-gateway>
      <sa-gvpn-server>
        sa-gvpn-server
      </sa-gvpn-server>
      <sa-port>
        sa-port
      </sa-port>
      <sa-protocol>
        sa-protocol
      </sa-protocol>
      <sa-esp-encryption-algorithm>
        sa-esp-encryption-algorithm
      </sa-esp-encryption-algorithm>
      <sa-hmac-algorithm>
        sa-hmac-algorithm
      </sa-hmac-algorithm>
      <sa-spi>
        sa-spi
      </sa-spi>
      <sa-aux-spi>
        sa-aux-spi
      </sa-aux-spi>
      <sa-hard-lifetime>
        sa-hard-lifetime
      </sa-hard-lifetime>
      <sa-lifesize-remaining>
        sa-lifesize-remaining
      </sa-lifesize-remaining>
    </ipsec-security-associations>
  </ipsec-security-associations-block>
</ipsec-unestablished-tunnel-information>

```

```
<sa-installation-state>
  sa-installation-state
</sa-installation-state>
<sa-vpn-monitoring-state>
  sa-vpn-monitoring-state
</sa-vpn-monitoring-state>
<sa-gvpn-groupid>
  sa-gvpn-groupid
</sa-gvpn-groupid>
<sa-virtual-system>
  sa-virtual-system
</sa-virtual-system>
<sa-mode>
  sa-mode
</sa-mode>
<sa-type>
  sa-type
</sa-type>
<sa-state>
  sa-state
</sa-state>
<sa-authentication-algorithm>
  sa-authentication-algorithm
</sa-authentication-algorithm>
<sa-encryption-algorithm>
  sa-encryption-algorithm
</sa-encryption-algorithm>
<sa-soft-lifetime>
  sa-soft-lifetime
</sa-soft-lifetime>
<sa-anti-replay-service>
  sa-anti-replay-service
</sa-anti-replay-service>
<sa-replay-window-size>
  sa-replay-window-size
</sa-replay-window-size>
<sa-nego-num>
  sa-nego-num
</sa-nego-num>
<sa-nego-fail>
  sa-nego-fail
</sa-nego-fail>
<sa-del-num>
  sa-del-num
</sa-del-num>
<sa-flag>
  sa-flag
</sa-flag>
</ipsec-security-associations>
</ipsec-security-associations-block>
</ipsec-unestablished-tunnel-information>
```

## Description



## &lt;ipsec-security-associations&gt;

## Usage

```

<ipsec-active-tunnel-debug-information>
<ipsec-security-associations>
  <sa-tunnel-index>
    sa-tunnel-index
  </sa-tunnel-index>
  <sa-direction>
    sa-direction
  </sa-direction>
  <sa-remote-gateway>
    sa-remote-gateway
  </sa-remote-gateway>
  <sa-gvpn-server>
    sa-gvpn-server
  </sa-gvpn-server>
  <sa-port>
    sa-port
  </sa-port>
  <sa-protocol>
    sa-protocol
  </sa-protocol>
  <sa-esp-encryption-algorithm>
    sa-esp-encryption-algorithm
  </sa-esp-encryption-algorithm>
  <sa-hmac-algorithm>
    sa-hmac-algorithm
  </sa-hmac-algorithm>
  <sa-spi>
    sa-spi
  </sa-spi>
  <sa-aux-spi>
    sa-aux-spi
  </sa-aux-spi>
  <sa-hard-lifetime>
    sa-hard-lifetime
  </sa-hard-lifetime>
  <sa-lifesize-remaining>
    sa-lifesize-remaining
  </sa-lifesize-remaining>
  <sa-installation-state>
    sa-installation-state
  </sa-installation-state>
  <sa-vpn-monitoring-state>
    sa-vpn-monitoring-state
  </sa-vpn-monitoring-state>
  <sa-gvpn-groupid>
    sa-gvpn-groupid
  </sa-gvpn-groupid>
  <sa-virtual-system>
    sa-virtual-system
  </sa-virtual-system>
  <sa-mode>
    sa-mode

```

```
</sa-mode>
<sa-type>
  sa-type
</sa-type>
<sa-state>
  sa-state
</sa-state>
<sa-authentication-algorithm>
  sa-authentication-algorithm
</sa-authentication-algorithm>
<sa-encryption-algorithm>
  sa-encryption-algorithm
</sa-encryption-algorithm>
<sa-soft-lifetime>
  sa-soft-lifetime
</sa-soft-lifetime>
<sa-anti-replay-service>
  sa-anti-replay-service
</sa-anti-replay-service>
<sa-replay-window-size>
  sa-replay-window-size
</sa-replay-window-size>
<sa-nego-num>
  sa-nego-num
</sa-nego-num>
<sa-nego-fail>
  sa-nego-fail
</sa-nego-fail>
<sa-del-num>
  sa-del-num
</sa-del-num>
<sa-flag>
  sa-flag
</sa-flag>
</ipsec-security-associations>
</ipsec-active-tunnel-debug-information>
```

## Description

### <ipsec-security-associations>

#### Usage

```
<ipsec-active-tunnel-debug-information>
<ipsec-security-associations-block>
  <ipsec-security-associations>
    <sa-tunnel-index>
      sa-tunnel-index
    </sa-tunnel-index>
    <sa-direction>
      sa-direction
    </sa-direction>
    <sa-remote-gateway>
      sa-remote-gateway
    </sa-remote-gateway>
    <sa-gvpn-server>
```

```
    sa-gvpn-server
  </sa-gvpn-server>
  <sa-port>
    sa-port
  </sa-port>
  <sa-protocol>
    sa-protocol
  </sa-protocol>
  <sa-esp-encryption-algorithm>
    sa-esp-encryption-algorithm
  </sa-esp-encryption-algorithm>
  <sa-hmac-algorithm>
    sa-hmac-algorithm
  </sa-hmac-algorithm>
  <sa-spi>
    sa-spi
  </sa-spi>
  <sa-aux-spi>
    sa-aux-spi
  </sa-aux-spi>
  <sa-hard-lifetime>
    sa-hard-lifetime
  </sa-hard-lifetime>
  <sa-lifetime-remaining>
    sa-lifetime-remaining
  </sa-lifetime-remaining>
  <sa-installation-state>
    sa-installation-state
  </sa-installation-state>
  <sa-vpn-monitoring-state>
    sa-vpn-monitoring-state
  </sa-vpn-monitoring-state>
  <sa-gvpn-groupid>
    sa-gvpn-groupid
  </sa-gvpn-groupid>
  <sa-virtual-system>
    sa-virtual-system
  </sa-virtual-system>
  <sa-mode>
    sa-mode
  </sa-mode>
  <sa-type>
    sa-type
  </sa-type>
  <sa-state>
    sa-state
  </sa-state>
  <sa-authentication-algorithm>
    sa-authentication-algorithm
  </sa-authentication-algorithm>
  <sa-encryption-algorithm>
    sa-encryption-algorithm
  </sa-encryption-algorithm>
  <sa-soft-lifetime>
    sa-soft-lifetime
  </sa-soft-lifetime>
```

```
<sa-anti-replay-service>
  sa-anti-replay-service
</sa-anti-replay-service>
<sa-replay-window-size>
  sa-replay-window-size
</sa-replay-window-size>
<sa-nego-num>
  sa-nego-num
</sa-nego-num>
<sa-nego-fail>
  sa-nego-fail
</sa-nego-fail>
<sa-del-num>
  sa-del-num
</sa-del-num>
<sa-flag>
  sa-flag
</sa-flag>
</ipsec-security-associations>
</ipsec-security-associations-block>
</ipsec-active-tunnel-debug-information>
```

## Description

### <ipsec-security-associations-block>

#### Usage

```
<ipsec-security-associations-block>
  <sa-configuration-type>
    sa-configuration-type
  </sa-configuration-type>
  <sa-virtual-system>
    sa-virtual-system
  </sa-virtual-system>
  <sa-local-gateway>
    sa-local-gateway
  </sa-local-gateway>
  <sa-remote-gateway>
    sa-remote-gateway
  </sa-remote-gateway>
  <sa-local-identity>
    sa-local-identity
  </sa-local-identity>
  <sa-remote-identity>
    sa-remote-identity
  </sa-remote-identity>
  <sa-df-bit-policy-name>....</sa-df-bit-policy-name>
  <sa-ike-version>
    sa-ike-version
  </sa-ike-version>
  <ipsec-security-associations>....</ipsec-security-associations>
  <sa-location>....</sa-location>
</ipsec-security-associations-block>
```

## Description

## &lt;ipsec-security-associations-block&gt;

## Usage

```

<ipsec-security-associations-information>
  <ipsec-security-associations-block>
    <sa-configuration-type>
      sa-configuration-type
    </sa-configuration-type>
    <sa-virtual-system>
      sa-virtual-system
    </sa-virtual-system>
    <sa-local-gateway>
      sa-local-gateway
    </sa-local-gateway>
    <sa-remote-gateway>
      sa-remote-gateway
    </sa-remote-gateway>
    <sa-local-identity>
      sa-local-identity
    </sa-local-identity>
    <sa-remote-identity>
      sa-remote-identity
    </sa-remote-identity>
    <sa-df-bit-policy-name>....</sa-df-bit-policy-name>
    <sa-ike-version>
      sa-ike-version
    </sa-ike-version>
    <ipsec-security-associations>....</ipsec-security-associations>
    <sa-location>....</sa-location>
  </ipsec-security-associations-block>
</ipsec-security-associations-information>

```

## Description

## &lt;ipsec-security-associations-block&gt;

## Usage

```

<ipsec-unestablished-tunnel-information>
  <ipsec-security-associations-block>
    <sa-configuration-type>
      sa-configuration-type
    </sa-configuration-type>
    <sa-virtual-system>
      sa-virtual-system
    </sa-virtual-system>
    <sa-local-gateway>
      sa-local-gateway
    </sa-local-gateway>
    <sa-remote-gateway>
      sa-remote-gateway
    </sa-remote-gateway>
    <sa-local-identity>
      sa-local-identity

```

```
</sa-local-identity>
<sa-remote-identity>
  sa-remote-identity
</sa-remote-identity>
<sa-df-bit-policy-name>....</sa-df-bit-policy-name>
<sa-ike-version>
  sa-ike-version
</sa-ike-version>
<ipsec-security-associations>....</ipsec-security-associations>
<sa-location>....</sa-location>
</ipsec-security-associations-block>
</ipsec-unestablished-tunnel-information>
```

#### Description

### <ipsec-security-associations-block>

#### Usage

```
<ipsec-active-tunnel-debug-information>
<ipsec-security-associations-block>
  <sa-configuration-type>
    sa-configuration-type
  </sa-configuration-type>
  <sa-virtual-system>
    sa-virtual-system
  </sa-virtual-system>
  <sa-local-gateway>
    sa-local-gateway
  </sa-local-gateway>
  <sa-remote-gateway>
    sa-remote-gateway
  </sa-remote-gateway>
  <sa-local-identity>
    sa-local-identity
  </sa-local-identity>
  <sa-remote-identity>
    sa-remote-identity
  </sa-remote-identity>
  <sa-df-bit-policy-name>....</sa-df-bit-policy-name>
  <sa-ike-version>
    sa-ike-version
  </sa-ike-version>
  <ipsec-security-associations>....</ipsec-security-associations>
  <sa-location>....</sa-location>
</ipsec-security-associations-block>
</ipsec-active-tunnel-debug-information>
```

#### Description

### <ipsec-security-associations-information>

#### Usage

```
<ipsec-security-associations-information>
  <sa-location>....</sa-location>
```

```
<ipsec-security-associations>....</ipsec-security-associations>
<ipsec-security-associations-block>....</ipsec-security-associations-block>

<ipsec-gvpn-security-associations-block>....</ipsec-gvpn-security-associations-block>

<total-active-tunnels>
  total-active-tunnels
</total-active-tunnels>
</ipsec-security-associations-information>
```

#### Description

### <ipsec-server-ipsecsa-information>

#### Usage

```
<ipsec-server-ipsecsa-information>
  <ipsecsa-group-info>....</ipsecsa-group-info>
  <ipsecsa-sa-count>
    ipsecsa-sa-count
  </ipsecsa-sa-count>
  <ipsecsa-sa-info>....</ipsecsa-sa-info>
</ipsec-server-ipsecsa-information>
```

#### Description

### <ipsec-service-set-statistics>

#### Usage

```
<ipsec-service-set-statistics>
  <pic-name>
    pic-name
  </pic-name>
  <service-set-name>
    service-set-name
  </service-set-name>
  <ipsec-statistics>....</ipsec-statistics>
</ipsec-service-set-statistics>
```

#### Description

### <ipsec-service-set-statistics>

#### Usage

```
<ipsec-total-statistics>
  <ipsec-service-set-statistics>
    <pic-name>
      pic-name
    </pic-name>
    <service-set-name>
      service-set-name
    </service-set-name>
    <ipsec-statistics>....</ipsec-statistics>
  </ipsec-service-set-statistics>
```

```
</ipsec-total-statistics>
```

#### Description

### <ipsec-service-set-statistics>

#### Usage

```
<ipsec-total-statistics-information>
  <ipsec-service-set-statistics>
    <pic-name>
      pic-name
    </pic-name>
    <service-set-name>
      service-set-name
    </service-set-name>
    <ipsec-statistics>....</ipsec-statistics>
  </ipsec-service-set-statistics>
</ipsec-total-statistics-information>
```

#### Description

### <ipsec-statistics>

#### Usage

```
<ipsec-service-set-statistics>
  <ipsec-statistics>
    <local-gateway>
      local-gateway
    </local-gateway>
    <remote-gateway>
      remote-gateway
    </remote-gateway>
    <tunnel-index>
      tunnel-index
    </tunnel-index>
    <esp-statistics>....</esp-statistics>
    <ah-statistics>....</ah-statistics>
    <error-statistics>....</error-statistics>
    <statistics-no-information>
      statistics-no-information
    </statistics-no-information>
  </ipsec-statistics>
</ipsec-service-set-statistics>
```

#### Description

### <ipsec-statistics>

#### Usage

```
<ipsec-total-statistics>
  <ipsec-service-set-statistics>
    <ipsec-statistics>
      <local-gateway>
```



```

    local-gateway
  </local-gateway>
  <remote-gateway>
    remote-gateway
  </remote-gateway>
  <tunnel-index>
    tunnel-index
  </tunnel-index>
  <esp-statistics>....</esp-statistics>
  <ah-statistics>....</ah-statistics>
  <error-statistics>....</error-statistics>
  <statistics-no-information>
    statistics-no-information
  </statistics-no-information>
</ipsec-statistics>
</ipsec-service-set-statistics>
</ipsec-total-statistics>

```

#### Description

#### <ipsec-statistics>

##### Usage

```

<ipsec-total-statistics-information>
  <ipsec-service-set-statistics>
    <ipsec-statistics>
      <local-gateway>
        local-gateway
      </local-gateway>
      <remote-gateway>
        remote-gateway
      </remote-gateway>
      <tunnel-index>
        tunnel-index
      </tunnel-index>
      <esp-statistics>....</esp-statistics>
      <ah-statistics>....</ah-statistics>
      <error-statistics>....</error-statistics>
      <statistics-no-information>
        statistics-no-information
      </statistics-no-information>
    </ipsec-statistics>
  </ipsec-service-set-statistics>
</ipsec-total-statistics-information>

```

#### Description

#### <ipsec-total-statistics>

##### Usage

```

<ipsec-total-statistics>
  <ipsec-service-set-statistics>....</ipsec-service-set-statistics>
</ipsec-total-statistics>

```

**Description****<ipsec-total-statistics-information>****Usage**

```
<ipsec-total-statistics-information>
  <ipsec-service-set-statistics>....</ipsec-service-set-statistics>
</ipsec-total-statistics-information>
```

**Description****<ipsec-tunnel-redundancy>****Usage**

```
<ipsec-tunnel-redundancy>
  <sa-name>
    sa-name
  </sa-name>
  <ipsec-redundancy-counter>
    ipsec-redundancy-counter
  </ipsec-redundancy-counter>
  <ipsec-redundancy-tunnel-no-information>
    ipsec-redundancy-tunnel-no-information
  </ipsec-redundancy-tunnel-no-information>
  <ipsec-tunnel-redundancy-local-address>
    ipsec-tunnel-redundancy-local-address
  </ipsec-tunnel-redundancy-local-address>
  <ipsec-tunnel-redundancy-primary-remote-address>
    ipsec-tunnel-redundancy-primary-remote-address
  </ipsec-tunnel-redundancy-primary-remote-address>
  <ipsec-tunnel-redundancy-backup-remote-address>
    ipsec-tunnel-redundancy-backup-remote-address
  </ipsec-tunnel-redundancy-backup-remote-address>
  <ipsec-redundancy-primary-state>
    ipsec-redundancy-primary-state
  </ipsec-redundancy-primary-state>
  <ipsec-redundancy-backup-state>
    ipsec-redundancy-backup-state
  </ipsec-redundancy-backup-state>
</ipsec-tunnel-redundancy>
```

**Description** Information about ipsec tunnel redundancy

**<ipsec-tunnel-redundancy>****Usage**

```
<ipsec-tunnel-redundancy-information>
  <ipsec-tunnel-redundancy>
    <sa-name>
      sa-name
    </sa-name>
    <ipsec-redundancy-counter>
      ipsec-redundancy-counter
    </ipsec-redundancy-counter>
  </ipsec-tunnel-redundancy>
</ipsec-tunnel-redundancy-information>
```

```

</ipsec-redundancy-counter>
<ipsec-redundancy-tunnel-no-information>
  ipsec-redundancy-tunnel-no-information
</ipsec-redundancy-tunnel-no-information>
<ipsec-tunnel-redundancy-local-address>
  ipsec-tunnel-redundancy-local-address
</ipsec-tunnel-redundancy-local-address>
<ipsec-tunnel-redundancy-primary-remote-address>
  ipsec-tunnel-redundancy-primary-remote-address
</ipsec-tunnel-redundancy-primary-remote-address>
<ipsec-tunnel-redundancy-backup-remote-address>
  ipsec-tunnel-redundancy-backup-remote-address
</ipsec-tunnel-redundancy-backup-remote-address>
<ipsec-redundancy-primary-state>
  ipsec-redundancy-primary-state
</ipsec-redundancy-primary-state>
<ipsec-redundancy-backup-state>
  ipsec-redundancy-backup-state
</ipsec-redundancy-backup-state>
</ipsec-tunnel-redundancy>
</ipsec-tunnel-redundancy-information>

```

**Description** Information about ipsec tunnel redundancy

### <ipsec-tunnel-redundancy-information>

#### Usage

```

<ipsec-tunnel-redundancy-information>
  <ipsec-tunnel-redundancy>.....</ipsec-tunnel-redundancy>
</ipsec-tunnel-redundancy-information>

```

#### Description

### <ipsec-unestablished-tunnel-information>

#### Usage

```

<ipsec-unestablished-tunnel-information>
  <sa-location>.....</sa-location>
  <ipsec-security-associations>.....</ipsec-security-associations>
  <ipsec-security-associations-block>.....</ipsec-security-associations-block>
  <total-inactive-tunnels>
    total-inactive-tunnels
  </total-inactive-tunnels>
  <total-inactive-tunnels-with-establish-immediately>
    total-inactive-tunnels-with-establish-immediately
  </total-inactive-tunnels-with-establish-immediately>
</ipsec-unestablished-tunnel-information>

```

#### Description

## <ipsecsa-group-info>

### Usage

```
<ipsecsa-group-info>
  <ipsecsa-group-name>
    ipsecsa-group-name
  </ipsecsa-group-name>
  <ipsecsa-group-id>
    ipsecsa-group-id
  </ipsecsa-group-id>
  <ipsecsa-group-act-time>
    ipsecsa-group-act-time
  </ipsecsa-group-act-time>
  <ipsecsa-group-deact-time>
    ipsecsa-group-deact-time
  </ipsecsa-group-deact-time>
  <ipsecsa-group-anti-replay-win>
    ipsecsa-group-anti-replay-win
  </ipsecsa-group-anti-replay-win>
  <ipsecsa-group-server-soft-lifetime>
    ipsecsa-group-server-soft-lifetime
  </ipsecsa-group-server-soft-lifetime>
  <ipsecsa-sa-count>
    ipsecsa-sa-count
  </ipsecsa-sa-count>
  <ipsecsa-sa-info>....</ipsecsa-sa-info>
</ipsecsa-group-info>
```

### Description

## <ipsecsa-group-info>

### Usage

```
<ipsec-server-ipsecsa-information>
  <ipsecsa-group-info>
    <ipsecsa-group-name>
      ipsecsa-group-name
    </ipsecsa-group-name>
    <ipsecsa-group-id>
      ipsecsa-group-id
    </ipsecsa-group-id>
    <ipsecsa-group-act-time>
      ipsecsa-group-act-time
    </ipsecsa-group-act-time>
    <ipsecsa-group-deact-time>
      ipsecsa-group-deact-time
    </ipsecsa-group-deact-time>
    <ipsecsa-group-anti-replay-win>
      ipsecsa-group-anti-replay-win
    </ipsecsa-group-anti-replay-win>
    <ipsecsa-group-server-soft-lifetime>
      ipsecsa-group-server-soft-lifetime
    </ipsecsa-group-server-soft-lifetime>
    <ipsecsa-sa-count>
```

```

    ipsecsa-sa-count
  </ipsecsa-sa-count>
  <ipsecsa-sa-info>....</ipsecsa-sa-info>
</ipsecsa-group-info>
</ipsec-server-ipsecsa-information>

```

#### Description

#### <ipsecsa-policy-info>

##### Usage

```

<ipsecsa-group-info>
  <ipsecsa-sa-info>
    <ipsecsa-policy-info>
      <ipsecsa-policy-name>
        ipsecsa-policy-name
      </ipsecsa-policy-name>
      <ipsecsa-policy-source>
        ipsecsa-policy-source
      </ipsecsa-policy-source>
      <ipsecsa-policy-srcport>
        ipsecsa-policy-srcport
      </ipsecsa-policy-srcport>
      <ipsecsa-policy-destination>
        ipsecsa-policy-destination
      </ipsecsa-policy-destination>
      <ipsecsa-policy-destport>
        ipsecsa-policy-destport
      </ipsecsa-policy-destport>
      <ipsecsa-policy-protocol>
        ipsecsa-policy-protocol
      </ipsecsa-policy-protocol>
    </ipsecsa-policy-info>
  </ipsecsa-sa-info>
</ipsecsa-group-info>

```

#### Description

#### <ipsecsa-policy-info>

##### Usage

```

<ipsecsa-policy-info>
  <ipsecsa-policy-name>
    ipsecsa-policy-name
  </ipsecsa-policy-name>
  <ipsecsa-policy-source>
    ipsecsa-policy-source
  </ipsecsa-policy-source>
  <ipsecsa-policy-srcport>
    ipsecsa-policy-srcport
  </ipsecsa-policy-srcport>
  <ipsecsa-policy-destination>
    ipsecsa-policy-destination
  </ipsecsa-policy-destination>

```

```
<ipsecsa-policy-destport>
  ipsecsa-policy-destport
</ipsecsa-policy-destport>
<ipsecsa-policy-protocol>
  ipsecsa-policy-protocol
</ipsecsa-policy-protocol>
</ipsecsa-policy-info>
```

#### Description

**<ipsecsa-policy-info>**

#### Usage

```
<ipsecsa-sa-info>
  <ipsecsa-policy-info>
    <ipsecsa-policy-name>
      ipsecsa-policy-name
    </ipsecsa-policy-name>
    <ipsecsa-policy-source>
      ipsecsa-policy-source
    </ipsecsa-policy-source>
    <ipsecsa-policy-srcport>
      ipsecsa-policy-srcport
    </ipsecsa-policy-srcport>
    <ipsecsa-policy-destination>
      ipsecsa-policy-destination
    </ipsecsa-policy-destination>
    <ipsecsa-policy-destport>
      ipsecsa-policy-destport
    </ipsecsa-policy-destport>
    <ipsecsa-policy-protocol>
      ipsecsa-policy-protocol
    </ipsecsa-policy-protocol>
  </ipsecsa-policy-info>
</ipsecsa-sa-info>
```

#### Description

**<ipsecsa-policy-info>**

#### Usage

```
<ipsec-server-ipsecsa-information>
  <ipsecsa-group-info>
    <ipsecsa-sa-info>
      <ipsecsa-policy-info>
        <ipsecsa-policy-name>
          ipsecsa-policy-name
        </ipsecsa-policy-name>
        <ipsecsa-policy-source>
          ipsecsa-policy-source
        </ipsecsa-policy-source>
        <ipsecsa-policy-srcport>
          ipsecsa-policy-srcport
        </ipsecsa-policy-srcport>
```

```

    <ipsecsa-policy-destination>
      ipsecsa-policy-destination
    </ipsecsa-policy-destination>
    <ipsecsa-policy-destport>
      ipsecsa-policy-destport
    </ipsecsa-policy-destport>
    <ipsecsa-policy-protocol>
      ipsecsa-policy-protocol
    </ipsecsa-policy-protocol>
  </ipsecsa-policy-info>
</ipsecsa-sa-info>
</ipsecsa-group-info>
</ipsec-server-ipsecsa-information>

```

#### Description

### <ipsecsa-policy-info>

#### Usage

```

<ipsec-server-ipsecsa-information>
  <ipsecsa-sa-info>
    <ipsecsa-policy-info>
      <ipsecsa-policy-name>
        ipsecsa-policy-name
      </ipsecsa-policy-name>
      <ipsecsa-policy-source>
        ipsecsa-policy-source
      </ipsecsa-policy-source>
      <ipsecsa-policy-srcport>
        ipsecsa-policy-srcport
      </ipsecsa-policy-srcport>
      <ipsecsa-policy-destination>
        ipsecsa-policy-destination
      </ipsecsa-policy-destination>
      <ipsecsa-policy-destport>
        ipsecsa-policy-destport
      </ipsecsa-policy-destport>
      <ipsecsa-policy-protocol>
        ipsecsa-policy-protocol
      </ipsecsa-policy-protocol>
    </ipsecsa-policy-info>
  </ipsecsa-sa-info>
</ipsec-server-ipsecsa-information>

```

#### Description

### <ipsecsa-sa-info>

#### Usage

```

<ipsecsa-group-info>
  <ipsecsa-sa-info>
    <ipsecsa-name>
      ipsecsa-name
    </ipsecsa-name>

```

```
<ipsecsa-algorithm>
  ipsecsa-algorithm
</ipsecsa-algorithm>
<ipsecsa-protocol>
  ipsecsa-protocol
</ipsecsa-protocol>
<ipsecsa-authalg>
  ipsecsa-authalg
</ipsecsa-authalg>
<ipsecsa-encalg>
  ipsecsa-encalg
</ipsecsa-encalg>
<ipsecsa-spi>
  ipsecsa-spi
</ipsecsa-spi>
<ipsecsa-lifetime>
  ipsecsa-lifetime
</ipsecsa-lifetime>
<ipsecsa-policy-info>....</ipsecsa-policy-info>
</ipsecsa-sa-info>
</ipsecsa-group-info>
```

## Description

### <ipsecsa-sa-info>

#### Usage

```
<ipsecsa-sa-info>
  <ipsecsa-name>
    ipsecsa-name
  </ipsecsa-name>
  <ipsecsa-algorithm>
    ipsecsa-algorithm
  </ipsecsa-algorithm>
  <ipsecsa-protocol>
    ipsecsa-protocol
  </ipsecsa-protocol>
  <ipsecsa-authalg>
    ipsecsa-authalg
  </ipsecsa-authalg>
  <ipsecsa-encalg>
    ipsecsa-encalg
  </ipsecsa-encalg>
  <ipsecsa-spi>
    ipsecsa-spi
  </ipsecsa-spi>
  <ipsecsa-lifetime>
    ipsecsa-lifetime
  </ipsecsa-lifetime>
  <ipsecsa-policy-info>....</ipsecsa-policy-info>
</ipsecsa-sa-info>
```

## Description



**<ipsecsa-sa-info>****Usage**

```

<ipsec-server-ipsecsa-information>
  <ipsecsa-group-info>
    <ipsecsa-sa-info>
      <ipsecsa-name>
        ipsecsa-name
      </ipsecsa-name>
      <ipsecsa-algorithm>
        ipsecsa-algorithm
      </ipsecsa-algorithm>
      <ipsecsa-protocol>
        ipsecsa-protocol
      </ipsecsa-protocol>
      <ipsecsa-authalg>
        ipsecsa-authalg
      </ipsecsa-authalg>
      <ipsecsa-encalg>
        ipsecsa-encalg
      </ipsecsa-encalg>
      <ipsecsa-spi>
        ipsecsa-spi
      </ipsecsa-spi>
      <ipsecsa-lifetime>
        ipsecsa-lifetime
      </ipsecsa-lifetime>
      <ipsecsa-policy-info>....</ipsecsa-policy-info>
    </ipsecsa-sa-info>
  </ipsecsa-group-info>
</ipsec-server-ipsecsa-information>

```

**Description****<ipsecsa-sa-info>****Usage**

```

<ipsec-server-ipsecsa-information>
  <ipsecsa-sa-info>
    <ipsecsa-name>
      ipsecsa-name
    </ipsecsa-name>
    <ipsecsa-algorithm>
      ipsecsa-algorithm
    </ipsecsa-algorithm>
    <ipsecsa-protocol>
      ipsecsa-protocol
    </ipsecsa-protocol>
    <ipsecsa-authalg>
      ipsecsa-authalg
    </ipsecsa-authalg>
    <ipsecsa-encalg>
      ipsecsa-encalg
    </ipsecsa-encalg>
  </ipsecsa-sa-info>
</ipsec-server-ipsecsa-information>

```

```
<ipsecsa-spi>
  ipsecsa-spi
</ipsecsa-spi>
<ipsecsa-lifetime>
  ipsecsa-lifetime
</ipsecsa-lifetime>
<ipsecsa-policy-info>....</ipsecsa-policy-info>
</ipsecsa-sa-info>
</ipsec-server-ipsecsa-information>
```

#### Description

<issue-info>

#### Usage

```
<issue-info>
  <recipient>
    recipient
  </recipient>
  <issued-by>
    issued-by
  </issued-by>
</issue-info>
```

#### Description

<issue-info>

#### Usage

```
<x509-certificate-info>
  <issue-info>
    <recipient>
      recipient
    </recipient>
    <issued-by>
      issued-by
    </issued-by>
  </issue-info>
</x509-certificate-info>
```

#### Description

<issue-info>

#### Usage

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <issue-info>
      <recipient>
        recipient
      </recipient>
      <issued-by>
        issued-by
    </issue-info>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

```

    </issued-by>
  </issue-info>
</x509-certificate-info>
</x509-pki-certificate-info-list>

```

**Description****<issue-info>****Usage**

```

<x509-certificate-cache-info>
  <issue-info>
    <recipient>
      recipient
    </recipient>
    <issued-by>
      issued-by
    </issued-by>
  </issue-info>
</x509-certificate-cache-info>

```

**Description****<issue-info>****Usage**

```

<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <issue-info>
      <recipient>
        recipient
      </recipient>
      <issued-by>
        issued-by
      </issued-by>
    </issue-info>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>

```

**Description****<issuer>****Usage**

```

<x509-certificate-info>
  <issuer>
    <distinguished-name>....</distinguished-name>
  </issuer>
</x509-certificate-info>

```

**Description** Identifies the CA that issued certificate

**<issuer>****Usage**

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <issuer>
      <distinguished-name>....</distinguished-name>
    </issuer>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

**Description**    Identifies the CA that issued certificate

**<kek-sa-group-info>****Usage**

```
<ike-security-associations>
  <kek-sa-group-info>
    <kek-sa-group-id>
      kek-sa-group-id
    </kek-sa-group-id>
    <kek-sa-group-name>
      kek-sa-group-name
    </kek-sa-group-name>
    <kek-sa-group-server-version>
      kek-sa-group-server-version
    </kek-sa-group-server-version>
    <kek-sa-group-heartbeat-threshold>
      kek-sa-group-heartbeat-threshold
    </kek-sa-group-heartbeat-threshold>
    <kek-sa-group-heartbeat-interval>
      kek-sa-group-heartbeat-interval
    </kek-sa-group-heartbeat-interval>
    <kek-sa-group-heartbeat-timeout-left>
      kek-sa-group-heartbeat-timeout-left
    </kek-sa-group-heartbeat-timeout-left>
    <kek-sa-group-multicast-group>
      kek-sa-group-multicast-group
    </kek-sa-group-multicast-group>
    <kek-sa-group-replay-window>
      kek-sa-group-replay-window
    </kek-sa-group-replay-window>
    <kek-sa-group-activation-delay>
      kek-sa-group-activation-delay
    </kek-sa-group-activation-delay>
  </kek-sa-group-info>
</ike-security-associations>
```

**Description**    KEK SA group information

## <kek-sa-group-info>

### Usage

```

<ike-security-associations-block>
  <ike-security-associations>
    <kek-sa-group-info>
      <kek-sa-group-id>
        kek-sa-group-id
      </kek-sa-group-id>
      <kek-sa-group-name>
        kek-sa-group-name
      </kek-sa-group-name>
      <kek-sa-group-server-version>
        kek-sa-group-server-version
      </kek-sa-group-server-version>
      <kek-sa-group-heartbeat-threshold>
        kek-sa-group-heartbeat-threshold
      </kek-sa-group-heartbeat-threshold>
      <kek-sa-group-heartbeat-interval>
        kek-sa-group-heartbeat-interval
      </kek-sa-group-heartbeat-interval>
      <kek-sa-group-heartbeat-timeout-left>
        kek-sa-group-heartbeat-timeout-left
      </kek-sa-group-heartbeat-timeout-left>
      <kek-sa-group-multicast-group>
        kek-sa-group-multicast-group
      </kek-sa-group-multicast-group>
      <kek-sa-group-replay-window>
        kek-sa-group-replay-window
      </kek-sa-group-replay-window>
      <kek-sa-group-activation-delay>
        kek-sa-group-activation-delay
      </kek-sa-group-activation-delay>
    </kek-sa-group-info>
  </ike-security-associations>
</ike-security-associations-block>

```

**Description** KEK SA group information

## <kek-sa-group-info>

### Usage

```

<ike-security-associations-information>
  <ike-security-associations>
    <kek-sa-group-info>
      <kek-sa-group-id>
        kek-sa-group-id
      </kek-sa-group-id>
      <kek-sa-group-name>
        kek-sa-group-name
      </kek-sa-group-name>
      <kek-sa-group-server-version>
        kek-sa-group-server-version

```

```
</kek-sa-group-server-version>
<kek-sa-group-heartbeat-threshold>
  kek-sa-group-heartbeat-threshold
</kek-sa-group-heartbeat-threshold>
<kek-sa-group-heartbeat-interval>
  kek-sa-group-heartbeat-interval
</kek-sa-group-heartbeat-interval>
<kek-sa-group-heartbeat-timeout-left>
  kek-sa-group-heartbeat-timeout-left
</kek-sa-group-heartbeat-timeout-left>
<kek-sa-group-multicast-group>
  kek-sa-group-multicast-group
</kek-sa-group-multicast-group>
<kek-sa-group-replay-window>
  kek-sa-group-replay-window
</kek-sa-group-replay-window>
<kek-sa-group-activation-delay>
  kek-sa-group-activation-delay
</kek-sa-group-activation-delay>
</kek-sa-group-info>
</ike-security-associations>
</ike-security-associations-information>
```

**Description** KEK SA group information

### <kek-sa-group-info>

#### Usage

```
<ike-security-associations-information>
<ike-security-associations-block>
<ike-security-associations>
  <kek-sa-group-info>
    <kek-sa-group-id>
      kek-sa-group-id
    </kek-sa-group-id>
    <kek-sa-group-name>
      kek-sa-group-name
    </kek-sa-group-name>
    <kek-sa-group-server-version>
      kek-sa-group-server-version
    </kek-sa-group-server-version>
    <kek-sa-group-heartbeat-threshold>
      kek-sa-group-heartbeat-threshold
    </kek-sa-group-heartbeat-threshold>
    <kek-sa-group-heartbeat-interval>
      kek-sa-group-heartbeat-interval
    </kek-sa-group-heartbeat-interval>
    <kek-sa-group-heartbeat-timeout-left>
      kek-sa-group-heartbeat-timeout-left
    </kek-sa-group-heartbeat-timeout-left>
    <kek-sa-group-multicast-group>
      kek-sa-group-multicast-group
    </kek-sa-group-multicast-group>
    <kek-sa-group-replay-window>
```

```

        kek-sa-group-replay-window
      </kek-sa-group-replay-window>
      <kek-sa-group-activation-delay>
        kek-sa-group-activation-delay
      </kek-sa-group-activation-delay>
    </kek-sa-group-info>
  </ike-security-associations>
</ike-security-associations-block>
</ike-security-associations-information>

```

**Description** KEK SA group information

### <kek-sa-group-info>

#### Usage

```

<kek-sa-group-info>
  <kek-sa-group-id>
    kek-sa-group-id
  </kek-sa-group-id>
  <kek-sa-group-name>
    kek-sa-group-name
  </kek-sa-group-name>
  <kek-sa-group-server-version>
    kek-sa-group-server-version
  </kek-sa-group-server-version>
  <kek-sa-group-heartbeat-threshold>
    kek-sa-group-heartbeat-threshold
  </kek-sa-group-heartbeat-threshold>
  <kek-sa-group-heartbeat-interval>
    kek-sa-group-heartbeat-interval
  </kek-sa-group-heartbeat-interval>
  <kek-sa-group-heartbeat-timeout-left>
    kek-sa-group-heartbeat-timeout-left
  </kek-sa-group-heartbeat-timeout-left>
  <kek-sa-group-multicast-group>
    kek-sa-group-multicast-group
  </kek-sa-group-multicast-group>
  <kek-sa-group-replay-window>
    kek-sa-group-replay-window
  </kek-sa-group-replay-window>
  <kek-sa-group-activation-delay>
    kek-sa-group-activation-delay
  </kek-sa-group-activation-delay>
</kek-sa-group-info>

```

**Description** KEK SA group information

### <kek-sa-group-info>

#### Usage

```

<gvpn-kek-security-associations-information>
  <ike-security-associations>

```

```
<kek-sa-group-info>
  <kek-sa-group-id>
    kek-sa-group-id
  </kek-sa-group-id>
  <kek-sa-group-name>
    kek-sa-group-name
  </kek-sa-group-name>
  <kek-sa-group-server-version>
    kek-sa-group-server-version
  </kek-sa-group-server-version>
  <kek-sa-group-heartbeat-threshold>
    kek-sa-group-heartbeat-threshold
  </kek-sa-group-heartbeat-threshold>
  <kek-sa-group-heartbeat-interval>
    kek-sa-group-heartbeat-interval
  </kek-sa-group-heartbeat-interval>
  <kek-sa-group-heartbeat-timeout-left>
    kek-sa-group-heartbeat-timeout-left
  </kek-sa-group-heartbeat-timeout-left>
  <kek-sa-group-multicast-group>
    kek-sa-group-multicast-group
  </kek-sa-group-multicast-group>
  <kek-sa-group-replay-window>
    kek-sa-group-replay-window
  </kek-sa-group-replay-window>
  <kek-sa-group-activation-delay>
    kek-sa-group-activation-delay
  </kek-sa-group-activation-delay>
</kek-sa-group-info>
</ike-security-associations>
</gvpn-kek-security-associations-information>
```

**Description** KEK SA group information

### <kek-sa-group-info>

#### Usage

```
<gvpn-kek-security-associations-information>
  <ike-security-associations-block>
    <ike-security-associations>
      <kek-sa-group-info>
        <kek-sa-group-id>
          kek-sa-group-id
        </kek-sa-group-id>
        <kek-sa-group-name>
          kek-sa-group-name
        </kek-sa-group-name>
        <kek-sa-group-server-version>
          kek-sa-group-server-version
        </kek-sa-group-server-version>
        <kek-sa-group-heartbeat-threshold>
          kek-sa-group-heartbeat-threshold
        </kek-sa-group-heartbeat-threshold>
        <kek-sa-group-heartbeat-interval>
```



```

    kek-sa-group-heartbeat-interval
  </kek-sa-group-heartbeat-interval>
  <kek-sa-group-heartbeat-timeout-left>
    kek-sa-group-heartbeat-timeout-left
  </kek-sa-group-heartbeat-timeout-left>
  <kek-sa-group-multicast-group>
    kek-sa-group-multicast-group
  </kek-sa-group-multicast-group>
  <kek-sa-group-replay-window>
    kek-sa-group-replay-window
  </kek-sa-group-replay-window>
  <kek-sa-group-activation-delay>
    kek-sa-group-activation-delay
  </kek-sa-group-activation-delay>
</kek-sa-group-info>
</ike-security-associations>
</ike-security-associations-block>
</gvpn-kek-security-associations-information>

```

**Description** KEK SA group information

#### <kek-sa-misc>

##### Usage

```

<ike-security-associations>
  <kek-sa-misc>
    <kek-sa-sequence-number>
      kek-sa-sequence-number
    </kek-sa-sequence-number>
  </kek-sa-misc>
</ike-security-associations>

```

**Description** Miscellaneous KEK SA information

#### <kek-sa-misc>

##### Usage

```

<ike-security-associations-block>
  <ike-security-associations>
    <kek-sa-misc>
      <kek-sa-sequence-number>
        kek-sa-sequence-number
      </kek-sa-sequence-number>
    </kek-sa-misc>
  </ike-security-associations>
</ike-security-associations-block>

```

**Description** Miscellaneous KEK SA information

### <kek-sa-misc>

#### Usage

```
<ike-security-associations-information>
  <ike-security-associations>
    <kek-sa-misc>
      <kek-sa-sequence-number>
        kek-sa-sequence-number
      </kek-sa-sequence-number>
    </kek-sa-misc>
  </ike-security-associations>
</ike-security-associations-information>
```

**Description** Miscellaneous KEK SA information

### <kek-sa-misc>

#### Usage

```
<ike-security-associations-information>
  <ike-security-associations-block>
    <ike-security-associations>
      <kek-sa-misc>
        <kek-sa-sequence-number>
          kek-sa-sequence-number
        </kek-sa-sequence-number>
      </kek-sa-misc>
    </ike-security-associations>
  </ike-security-associations-block>
</ike-security-associations-information>
```

**Description** Miscellaneous KEK SA information

### <kek-sa-misc>

#### Usage

```
<kek-sa-misc>
  <kek-sa-sequence-number>
    kek-sa-sequence-number
  </kek-sa-sequence-number>
</kek-sa-misc>
```

**Description** Miscellaneous KEK SA information

### <kek-sa-misc>

#### Usage

```
<gvpn-kek-security-associations-information>
  <ike-security-associations>
    <kek-sa-misc>
      <kek-sa-sequence-number>
```

```

        kek-sa-sequence-number
      </kek-sa-sequence-number>
    </kek-sa-misc>
  </ike-security-associations>
</gvpn-kek-security-associations-information>

```

**Description** Miscellaneous KEK SA information

### <kek-sa-misc>

#### Usage

```

<gvpn-kek-security-associations-information>
  <ike-security-associations-block>
    <ike-security-associations>
      <kek-sa-misc>
        <kek-sa-sequence-number>
          kek-sa-sequence-number
        </kek-sa-sequence-number>
      </kek-sa-misc>
    </ike-security-associations>
  </ike-security-associations-block>
</gvpn-kek-security-associations-information>

```

**Description** Miscellaneous KEK SA information

### <kek-sa-server-info>

#### Usage

```

<ike-security-associations>
  <kek-sa-server-info>
    <kek-sa-server-retrans-period>
      kek-sa-server-retrans-period
    </kek-sa-server-retrans-period>
    <kek-sa-server-retrans-number>
      kek-sa-server-retrans-number
    </kek-sa-server-retrans-number>
    <kek-sa-server-lifetime-secs>
      kek-sa-server-lifetime-secs
    </kek-sa-server-lifetime-secs>
    <kek-sa-server-certificate>
      kek-sa-server-certificate
    </kek-sa-server-certificate>
  </kek-sa-server-info>
</ike-security-associations>

```

**Description** KEK SA server information

### <kek-sa-server-info>

#### Usage

```

<ike-security-associations-block>

```

```
<ike-security-associations>
  <kek-sa-server-info>
    <kek-sa-server-retrans-period>
      kek-sa-server-retrans-period
    </kek-sa-server-retrans-period>
    <kek-sa-server-retrans-number>
      kek-sa-server-retrans-number
    </kek-sa-server-retrans-number>
    <kek-sa-server-lifetime-secs>
      kek-sa-server-lifetime-secs
    </kek-sa-server-lifetime-secs>
    <kek-sa-server-certificate>
      kek-sa-server-certificate
    </kek-sa-server-certificate>
  </kek-sa-server-info>
</ike-security-associations>
</ike-security-associations-block>
```

**Description** KEK SA server information

### <kek-sa-server-info>

#### Usage

```
<ike-security-associations-information>
  <ike-security-associations>
    <kek-sa-server-info>
      <kek-sa-server-retrans-period>
        kek-sa-server-retrans-period
      </kek-sa-server-retrans-period>
      <kek-sa-server-retrans-number>
        kek-sa-server-retrans-number
      </kek-sa-server-retrans-number>
      <kek-sa-server-lifetime-secs>
        kek-sa-server-lifetime-secs
      </kek-sa-server-lifetime-secs>
      <kek-sa-server-certificate>
        kek-sa-server-certificate
      </kek-sa-server-certificate>
    </kek-sa-server-info>
  </ike-security-associations>
</ike-security-associations-information>
```

**Description** KEK SA server information

### <kek-sa-server-info>

#### Usage

```
<ike-security-associations-information>
  <ike-security-associations-block>
    <ike-security-associations>
      <kek-sa-server-info>
        <kek-sa-server-retrans-period>
```

```

    kek-sa-server-retrans-period
  </kek-sa-server-retrans-period>
  <kek-sa-server-retrans-number>
    kek-sa-server-retrans-number
  </kek-sa-server-retrans-number>
  <kek-sa-server-lifetime-secs>
    kek-sa-server-lifetime-secs
  </kek-sa-server-lifetime-secs>
  <kek-sa-server-certificate>
    kek-sa-server-certificate
  </kek-sa-server-certificate>
</kek-sa-server-info>
</ike-security-associations>
</ike-security-associations-block>
</ike-security-associations-information>

```

**Description** KEK SA server information

### <kek-sa-server-info>

#### Usage

```

<kek-sa-server-info>
  <kek-sa-server-retrans-period>
    kek-sa-server-retrans-period
  </kek-sa-server-retrans-period>
  <kek-sa-server-retrans-number>
    kek-sa-server-retrans-number
  </kek-sa-server-retrans-number>
  <kek-sa-server-lifetime-secs>
    kek-sa-server-lifetime-secs
  </kek-sa-server-lifetime-secs>
  <kek-sa-server-certificate>
    kek-sa-server-certificate
  </kek-sa-server-certificate>
</kek-sa-server-info>

```

**Description** KEK SA server information

### <kek-sa-server-info>

#### Usage

```

<gvpn-kek-security-associations-information>
  <ike-security-associations>
    <kek-sa-server-info>
      <kek-sa-server-retrans-period>
        kek-sa-server-retrans-period
      </kek-sa-server-retrans-period>
      <kek-sa-server-retrans-number>
        kek-sa-server-retrans-number
      </kek-sa-server-retrans-number>
      <kek-sa-server-lifetime-secs>
        kek-sa-server-lifetime-secs
    </kek-sa-server-info>
  </ike-security-associations>
</gvpn-kek-security-associations-information>

```

```
</kek-sa-server-lifetime-secs>
<kek-sa-server-certificate>
  kek-sa-server-certificate
</kek-sa-server-certificate>
</kek-sa-server-info>
</ike-security-associations>
</gvpn-kek-security-associations-information>
```

**Description** KEK SA server information

### <kek-sa-server-info>

#### Usage

```
<gvpn-kek-security-associations-information>
<ike-security-associations-block>
<ike-security-associations>
  <kek-sa-server-info>
    <kek-sa-server-retrans-period>
      kek-sa-server-retrans-period
    </kek-sa-server-retrans-period>
    <kek-sa-server-retrans-number>
      kek-sa-server-retrans-number
    </kek-sa-server-retrans-number>
    <kek-sa-server-lifetime-secs>
      kek-sa-server-lifetime-secs
    </kek-sa-server-lifetime-secs>
    <kek-sa-server-certificate>
      kek-sa-server-certificate
    </kek-sa-server-certificate>
  </kek-sa-server-info>
</ike-security-associations>
</ike-security-associations-block>
</gvpn-kek-security-associations-information>
```

**Description** KEK SA server information

### <kek-security-associations>

#### Usage

```
<kek-security-associations>
<ike-sa-index>
  ike-sa-index
</ike-sa-index>
<ike-sa-remote-address>
  ike-sa-remote-address
</ike-sa-remote-address>
<ike-sa-state>
  ike-sa-state
</ike-sa-state>
<ike-sa-initiator-cookie>
  ike-sa-initiator-cookie
</ike-sa-initiator-cookie>
```

```

<ike-sa-responder-cookie>
  ike-sa-responder-cookie
</ike-sa-responder-cookie>
<kek-sa-group-id>
  kek-sa-group-id
</kek-sa-group-id>
</kek-security-associations>

```

#### Description

### <kek-security-associations>

#### Usage

```

<gvpn-kek-security-associations-information>
  <kek-security-associations>
    <ike-sa-index>
      ike-sa-index
    </ike-sa-index>
    <ike-sa-remote-address>
      ike-sa-remote-address
    </ike-sa-remote-address>
    <ike-sa-state>
      ike-sa-state
    </ike-sa-state>
    <ike-sa-initiator-cookie>
      ike-sa-initiator-cookie
    </ike-sa-initiator-cookie>
    <ike-sa-responder-cookie>
      ike-sa-responder-cookie
    </ike-sa-responder-cookie>
    <kek-sa-group-id>
      kek-sa-group-id
    </kek-sa-group-id>
  </kek-security-associations>
</gvpn-kek-security-associations-information>

```

#### Description

### <key-usage-list>

#### Usage

```

<key-usage-list>
  <key-usage>
    key-usage
  </key-usage>
</key-usage-list>

```

#### Description

### <key-usage-list>

#### Usage

```

<x509-certificate-info>

```

```
<key-usage-list>
  <key-usage>
    key-usage
  </key-usage>
</key-usage-list>
</x509-certificate-info>
```

#### Description

**<key-usage-list>**

#### Usage

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <key-usage-list>
      <key-usage>
        key-usage
      </key-usage>
    </key-usage-list>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

#### Description

**<key-usage-list>**

#### Usage

```
<x509-certificate-cache-info>
  <key-usage-list>
    <key-usage>
      key-usage
    </key-usage>
  </key-usage-list>
</x509-certificate-cache-info>
```

#### Description

**<key-usage-list>**

#### Usage

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <key-usage-list>
      <key-usage>
        key-usage
      </key-usage>
    </key-usage-list>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

#### Description



**<kmd-memory-usage>****Usage**

```

<kmd-memory-usage>
  <memory-block-type>
    memory-block-type
  </memory-block-type>
  <memory-in-use>
    memory-in-use
  </memory-in-use>
</kmd-memory-usage>

```

**Description** Information about key management daemon memory usage

**<kmd-memory-usage>****Usage**

```

<kmd-memory-usage-information>
  <kmd-memory-usage>
    <memory-block-type>
      memory-block-type
    </memory-block-type>
    <memory-in-use>
      memory-in-use
    </memory-in-use>
  </kmd-memory-usage>
</kmd-memory-usage-information>

```

**Description** Information about key management daemon memory usage

**<kmd-memory-usage-information>****Usage**

```

<kmd-memory-usage-information>
  <kmd-memory-usage>....</kmd-memory-usage>
</kmd-memory-usage-information>

```

**Description****<pki-scep>****Usage**

```

<pki-scep>
  <url>
    url
  </url>
  <ca-name>
    ca-name
  </ca-name>
  <ca-file>
    ca-file

```

```
</ca-file>
<key>
  key
</key>
<certificate-subject>
  certificate-subject
</certificate-subject>
<certificate-dns>
  certificate-dns
</certificate-dns>
<certificate-alternate-subject>
  certificate-alternate-subject
</certificate-alternate-subject>
<encoding>
  encoding
</encoding>
<message>
  message
</message>
</pki-scep>
```

**Description** Simple Certificate Enrollment Protocol

## <public-key>

### Usage

```
<public-key>
<public-key-algorithm>
  public-key-algorithm
</public-key-algorithm>
<public-key-length>
  public-key-length
</public-key-length>
<public-key-verification-status>
  public-key-verification-status
</public-key-verification-status>
</public-key>
```

**Description** Information about an X.509 public key

## <public-key>

### Usage

```
<x509-certificate-info>
<public-key>
<public-key-algorithm>
  public-key-algorithm
</public-key-algorithm>
<public-key-length>
  public-key-length
</public-key-length>
<public-key-verification-status>
```

```

        public-key-verification-status
      </public-key-verification-status>
    </public-key>
  </x509-certificate-info>

```

**Description** Information about an X.509 public key

### <public-key>

#### Usage

```

<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <public-key>
      <public-key-algorithm>
        public-key-algorithm
      </public-key-algorithm>
      <public-key-length>
        public-key-length
      </public-key-length>
      <public-key-verification-status>
        public-key-verification-status
      </public-key-verification-status>
    </public-key>
  </x509-certificate-info>
</x509-pki-certificate-info-list>

```

**Description** Information about an X.509 public key

### <public-key>

#### Usage

```

<x509-certificate-cache-info>
  <public-key>
    <public-key-algorithm>
      public-key-algorithm
    </public-key-algorithm>
    <public-key-length>
      public-key-length
    </public-key-length>
    <public-key-verification-status>
      public-key-verification-status
    </public-key-verification-status>
  </public-key>
</x509-certificate-cache-info>

```

**Description** Information about an X.509 public key

### <public-key>

#### Usage

```

<x509-certificate-cache-info-list>

```

```
<x509-certificate-cache-info>
  <public-key>
    <public-key-algorithm>
      public-key-algorithm
    </public-key-algorithm>
    <public-key-length>
      public-key-length
    </public-key-length>
    <public-key-verification-status>
      public-key-verification-status
    </public-key-verification-status>
  </public-key>
</x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description** Information about an X.509 public key

### <public-key-contents-list>

#### Usage

```
<public-key-contents-list>
  <key-contents>
    key-contents
  </key-contents>
</public-key-contents-list>
```

#### Description

### <public-key-contents-list>

#### Usage

```
<x509-certificate-info>
  <public-key-contents-list>
    <key-contents>
      key-contents
    </key-contents>
  </public-key-contents-list>
</x509-certificate-info>
```

#### Description

### <public-key-contents-list>

#### Usage

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <public-key-contents-list>
      <key-contents>
        key-contents
      </key-contents>
    </public-key-contents-list>
  </x509-certificate-info>
```

```
</x509-pki-certificate-info-list>
```

#### Description

```
<public-key-contents-list>
```

#### Usage

```
<x509-certificate-cache-info>
  <public-key-contents-list>
    <key-contents>
      key-contents
    </key-contents>
  </public-key-contents-list>
</x509-certificate-cache-info>
```

#### Description

```
<public-key-contents-list>
```

#### Usage

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <public-key-contents-list>
      <key-contents>
        key-contents
      </key-contents>
    </public-key-contents-list>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

#### Description

```
<sa-df-bit-policy-name>
```

#### Usage

```
<sa-df-bit-policy-name>
  <sa-df-bit>
    sa-df-bit
  </sa-df-bit>
  <sa-policy-name>
    sa-policy-name
  </sa-policy-name>
</sa-df-bit-policy-name>
```

#### Description

```
<sa-df-bit-policy-name>
```

#### Usage

```
<ipsec-security-associations-block>
  <sa-df-bit-policy-name>
    <sa-df-bit>
```

```
sa-df-bit
</sa-df-bit>
<sa-policy-name>
sa-policy-name
</sa-policy-name>
</sa-df-bit-policy-name>
</ipsec-security-associations-block>
```

#### Description

<sa-df-bit-policy-name>

#### Usage

```
<ipsec-gvpn-security-associations-block>
<sa-df-bit-policy-name>
<sa-df-bit>
sa-df-bit
</sa-df-bit>
<sa-policy-name>
sa-policy-name
</sa-policy-name>
</sa-df-bit-policy-name>
</ipsec-gvpn-security-associations-block>
```

#### Description

<sa-df-bit-policy-name>

#### Usage

```
<ipsec-security-associations-information>
<ipsec-security-associations-block>
<sa-df-bit-policy-name>
<sa-df-bit>
sa-df-bit
</sa-df-bit>
<sa-policy-name>
sa-policy-name
</sa-policy-name>
</sa-df-bit-policy-name>
</ipsec-security-associations-block>
</ipsec-security-associations-information>
```

#### Description

<sa-df-bit-policy-name>

#### Usage

```
<ipsec-security-associations-information>
<ipsec-gvpn-security-associations-block>
<sa-df-bit-policy-name>
<sa-df-bit>
sa-df-bit
</sa-df-bit>
```

```

    <sa-policy-name>
      sa-policy-name
    </sa-policy-name>
  </sa-df-bit-policy-name>
</ipsec-gvpn-security-associations-block>
</ipsec-security-associations-information>

```

#### Description

### <sa-df-bit-policy-name>

#### Usage

```

<ipsec-unestablished-tunnel-information>
<ipsec-security-associations-block>
  <sa-df-bit-policy-name>
    <sa-df-bit>
      sa-df-bit
    </sa-df-bit>
    <sa-policy-name>
      sa-policy-name
    </sa-policy-name>
  </sa-df-bit-policy-name>
</ipsec-security-associations-block>
</ipsec-unestablished-tunnel-information>

```

#### Description

### <sa-df-bit-policy-name>

#### Usage

```

<ipsec-active-tunnel-debug-information>
<ipsec-security-associations-block>
  <sa-df-bit-policy-name>
    <sa-df-bit>
      sa-df-bit
    </sa-df-bit>
    <sa-policy-name>
      sa-policy-name
    </sa-policy-name>
  </sa-df-bit-policy-name>
</ipsec-security-associations-block>
</ipsec-active-tunnel-debug-information>

```

#### Description

### <sa-location>

#### Usage

```

<sa-location>
  <sa-fpc>
    sa-fpc
  </sa-fpc>
  <sa-pic>

```

```
sa-pic
</sa-pic>
<sa-kmd-instance>
sa-kmd-instance
</sa-kmd-instance>
</sa-location>
```

**Description** Location where SA is processed

### <sa-location>

#### Usage

```
<ipsec-security-associations-block>
<sa-location>
<sa-fpc>
sa-fpc
</sa-fpc>
<sa-pic>
sa-pic
</sa-pic>
<sa-kmd-instance>
sa-kmd-instance
</sa-kmd-instance>
</sa-location>
</ipsec-security-associations-block>
```

**Description** Location where SA is processed

### <sa-location>

#### Usage

```
<ipsec-gvpn-security-associations-block>
<sa-location>
<sa-fpc>
sa-fpc
</sa-fpc>
<sa-pic>
sa-pic
</sa-pic>
<sa-kmd-instance>
sa-kmd-instance
</sa-kmd-instance>
</sa-location>
</ipsec-gvpn-security-associations-block>
```

**Description** Location where SA is processed

### <sa-location>

#### Usage

```
<ipsec-security-associations-information>
```



```

<sa-location>
  <sa-fpc>
    sa-fpc
  </sa-fpc>
  <sa-pic>
    sa-pic
  </sa-pic>
  <sa-kmd-instance>
    sa-kmd-instance
  </sa-kmd-instance>
</sa-location>
</ipsec-security-associations-information>

```

**Description** Location where SA is processed

### <sa-location>

#### Usage

```

<ipsec-security-associations-information>
  <ipsec-security-associations-block>
    <sa-location>
      <sa-fpc>
        sa-fpc
      </sa-fpc>
      <sa-pic>
        sa-pic
      </sa-pic>
      <sa-kmd-instance>
        sa-kmd-instance
      </sa-kmd-instance>
    </sa-location>
  </ipsec-security-associations-block>
</ipsec-security-associations-information>

```

**Description** Location where SA is processed

### <sa-location>

#### Usage

```

<ipsec-security-associations-information>
  <ipsec-gvpn-security-associations-block>
    <sa-location>
      <sa-fpc>
        sa-fpc
      </sa-fpc>
      <sa-pic>
        sa-pic
      </sa-pic>
      <sa-kmd-instance>
        sa-kmd-instance
      </sa-kmd-instance>
    </sa-location>
  </ipsec-gvpn-security-associations-block>
</ipsec-security-associations-information>

```

```
</ipsec-gvpn-security-associations-block>
</ipsec-security-associations-information>
```

**Description** Location where SA is processed

### <sa-location>

**Usage**

```
<ipsec-unestablished-tunnel-information>
  <sa-location>
    <sa-fpc>
      sa-fpc
    </sa-fpc>
    <sa-pic>
      sa-pic
    </sa-pic>
    <sa-kmd-instance>
      sa-kmd-instance
    </sa-kmd-instance>
  </sa-location>
</ipsec-unestablished-tunnel-information>
```

**Description** Location where SA is processed

### <sa-location>

**Usage**

```
<ipsec-unestablished-tunnel-information>
  <ipsec-security-associations-block>
    <sa-location>
      <sa-fpc>
        sa-fpc
      </sa-fpc>
      <sa-pic>
        sa-pic
      </sa-pic>
      <sa-kmd-instance>
        sa-kmd-instance
      </sa-kmd-instance>
    </sa-location>
  </ipsec-security-associations-block>
</ipsec-unestablished-tunnel-information>
```

**Description** Location where SA is processed

### <sa-location>

**Usage**

```
<ipsec-active-tunnel-debug-information>
  <sa-location>
    <sa-fpc>
```

```

    sa-fpc
  </sa-fpc>
  <sa-pic>
    sa-pic
  </sa-pic>
  <sa-kmd-instance>
    sa-kmd-instance
  </sa-kmd-instance>
</sa-location>
</ipsec-active-tunnel-debug-information>

```

**Description** Location where SA is processed

### <sa-location>

#### Usage

```

<ipsec-active-tunnel-debug-information>
  <ipsec-security-associations-block>
    <sa-location>
      <sa-fpc>
        sa-fpc
      </sa-fpc>
      <sa-pic>
        sa-pic
      </sa-pic>
      <sa-kmd-instance>
        sa-kmd-instance
      </sa-kmd-instance>
    </sa-location>
  </ipsec-security-associations-block>
</ipsec-active-tunnel-debug-information>

```

**Description** Location where SA is processed

### <sa-tunnel-information>

#### Usage

```

<security-associations-block>
  <sa-tunnel-information>
    <sa-rule-name>
      sa-rule-name
    </sa-rule-name>
    <sa-term-name>
      sa-term-name
    </sa-term-name>
    <sa-tunnel-index>
      sa-tunnel-index
    </sa-tunnel-index>
    <sa-local-gateway>
      sa-local-gateway
    </sa-local-gateway>
    <sa-remote-gateway>

```

```
    sa-remote-gateway
  </sa-remote-gateway>
  <sa-local-identity>
    sa-local-identity
  </sa-local-identity>
  <sa-remote-identity>
    sa-remote-identity
  </sa-remote-identity>
  <sa-inside-interface>
    sa-inside-interface
  </sa-inside-interface>
  <sa-tunnel-mtu>
    sa-tunnel-mtu
  </sa-tunnel-mtu>
  <sa-no-information>
    sa-no-information
  </sa-no-information>
</sa-tunnel-information>
</security-associations-block>
```

#### Description

#### <sa-tunnel-information>

#### Usage

```
<services-security-associations-block>
  <sa-tunnel-information>
    <sa-rule-name>
      sa-rule-name
    </sa-rule-name>
    <sa-term-name>
      sa-term-name
    </sa-term-name>
    <sa-tunnel-index>
      sa-tunnel-index
    </sa-tunnel-index>
    <sa-local-gateway>
      sa-local-gateway
    </sa-local-gateway>
    <sa-remote-gateway>
      sa-remote-gateway
    </sa-remote-gateway>
    <sa-local-identity>
      sa-local-identity
    </sa-local-identity>
    <sa-remote-identity>
      sa-remote-identity
    </sa-remote-identity>
    <sa-inside-interface>
      sa-inside-interface
    </sa-inside-interface>
    <sa-tunnel-mtu>
      sa-tunnel-mtu
    </sa-tunnel-mtu>
    <sa-no-information>
```

```

    sa-no-information
  </sa-no-information>
</sa-tunnel-information>
</services-security-associations-block>

```

## Description

### <sa-tunnel-information>

#### Usage

```

<sa-tunnel-information>
  <sa-rule-name>
    sa-rule-name
  </sa-rule-name>
  <sa-term-name>
    sa-term-name
  </sa-term-name>
  <sa-tunnel-index>
    sa-tunnel-index
  </sa-tunnel-index>
  <sa-local-gateway>
    sa-local-gateway
  </sa-local-gateway>
  <sa-remote-gateway>
    sa-remote-gateway
  </sa-remote-gateway>
  <sa-local-identity>
    sa-local-identity
  </sa-local-identity>
  <sa-remote-identity>
    sa-remote-identity
  </sa-remote-identity>
  <sa-inside-interface>
    sa-inside-interface
  </sa-inside-interface>
  <sa-tunnel-mtu>
    sa-tunnel-mtu
  </sa-tunnel-mtu>
  <sa-no-information>
    sa-no-information
  </sa-no-information>
</sa-tunnel-information>

```

## Description

### <sa-tunnel-information>

#### Usage

```

<security-associations-information>
  <security-associations-block>
    <sa-tunnel-information>
      <sa-rule-name>
        sa-rule-name
      </sa-rule-name>

```

```
<sa-term-name>
  sa-term-name
</sa-term-name>
<sa-tunnel-index>
  sa-tunnel-index
</sa-tunnel-index>
<sa-local-gateway>
  sa-local-gateway
</sa-local-gateway>
<sa-remote-gateway>
  sa-remote-gateway
</sa-remote-gateway>
<sa-local-identity>
  sa-local-identity
</sa-local-identity>
<sa-remote-identity>
  sa-remote-identity
</sa-remote-identity>
<sa-inside-interface>
  sa-inside-interface
</sa-inside-interface>
<sa-tunnel-mtu>
  sa-tunnel-mtu
</sa-tunnel-mtu>
<sa-no-information>
  sa-no-information
</sa-no-information>
</sa-tunnel-information>
</security-associations-block>
</security-associations-information>
```

## Description

### <sa-tunnel-information>

#### Usage

```
<security-associations-information>
  <sa-tunnel-information>
    <sa-rule-name>
      sa-rule-name
    </sa-rule-name>
    <sa-term-name>
      sa-term-name
    </sa-term-name>
    <sa-tunnel-index>
      sa-tunnel-index
    </sa-tunnel-index>
    <sa-local-gateway>
      sa-local-gateway
    </sa-local-gateway>
    <sa-remote-gateway>
      sa-remote-gateway
    </sa-remote-gateway>
    <sa-local-identity>
      sa-local-identity
```

```

</sa-local-identity>
<sa-remote-identity>
  sa-remote-identity
</sa-remote-identity>
<sa-inside-interface>
  sa-inside-interface
</sa-inside-interface>
<sa-tunnel-mtu>
  sa-tunnel-mtu
</sa-tunnel-mtu>
<sa-no-information>
  sa-no-information
</sa-no-information>
</sa-tunnel-information>
</security-associations-information>

```

## Description

### <sa-tunnel-information>

#### Usage

```

<services-security-associations-information>
  <services-security-associations-block>
    <sa-tunnel-information>
      <sa-rule-name>
        sa-rule-name
      </sa-rule-name>
      <sa-term-name>
        sa-term-name
      </sa-term-name>
      <sa-tunnel-index>
        sa-tunnel-index
      </sa-tunnel-index>
      <sa-local-gateway>
        sa-local-gateway
      </sa-local-gateway>
      <sa-remote-gateway>
        sa-remote-gateway
      </sa-remote-gateway>
      <sa-local-identity>
        sa-local-identity
      </sa-local-identity>
      <sa-remote-identity>
        sa-remote-identity
      </sa-remote-identity>
      <sa-inside-interface>
        sa-inside-interface
      </sa-inside-interface>
      <sa-tunnel-mtu>
        sa-tunnel-mtu
      </sa-tunnel-mtu>
      <sa-no-information>
        sa-no-information
      </sa-no-information>
    </sa-tunnel-information>
  </services-security-associations-block>
</services-security-associations-information>

```

```
</services-security-associations-block>
</services-security-associations-information>
```

#### Description

### <sa-tunnel-information>

#### Usage

```
<services-security-associations-information>
  <sa-tunnel-information>
    <sa-rule-name>
      sa-rule-name
    </sa-rule-name>
    <sa-term-name>
      sa-term-name
    </sa-term-name>
    <sa-tunnel-index>
      sa-tunnel-index
    </sa-tunnel-index>
    <sa-local-gateway>
      sa-local-gateway
    </sa-local-gateway>
    <sa-remote-gateway>
      sa-remote-gateway
    </sa-remote-gateway>
    <sa-local-identity>
      sa-local-identity
    </sa-local-identity>
    <sa-remote-identity>
      sa-remote-identity
    </sa-remote-identity>
    <sa-inside-interface>
      sa-inside-interface
    </sa-inside-interface>
    <sa-tunnel-mtu>
      sa-tunnel-mtu
    </sa-tunnel-mtu>
    <sa-no-information>
      sa-no-information
    </sa-no-information>
  </sa-tunnel-information>
</services-security-associations-information>
```

#### Description

### <security-associations>

#### Usage

```
<security-associations-block>
  <security-associations>
    <sa-direction>
      sa-direction
    </sa-direction>
    <sa-spi>
```



```

    sa-spi
  </sa-spi>
  <sa-aux-spi>
    sa-aux-spi
  </sa-aux-spi>
  <sa-state>
    sa-state
  </sa-state>
  <sa-mode>
    sa-mode
  </sa-mode>
  <sa-type>
    sa-type
  </sa-type>
  <sa-protocol>
    sa-protocol
  </sa-protocol>
  <sa-authentication-algorithm>
    sa-authentication-algorithm
  </sa-authentication-algorithm>
  <sa-encryption-algorithm>
    sa-encryption-algorithm
  </sa-encryption-algorithm>
  <sa-soft-lifetime>
    sa-soft-lifetime
  </sa-soft-lifetime>
  <sa-hard-lifetime>
    sa-hard-lifetime
  </sa-hard-lifetime>
  <sa-anti-replay-service>
    sa-anti-replay-service
  </sa-anti-replay-service>
  <sa-replay-window-size>
    sa-replay-window-size
  </sa-replay-window-size>
  <sa-authentication-key>
    sa-authentication-key
  </sa-authentication-key>
  <sa-encryption-key>
    sa-encryption-key
  </sa-encryption-key>
</security-associations>
</security-associations-block>

```

**Description** Information about a single security association

## <security-associations>

### Usage

```

<services-security-associations-block>
  <security-associations>
    <sa-direction>
      sa-direction
    </sa-direction>

```

```
<sa-spi>
  sa-spi
</sa-spi>
<sa-aux-spi>
  sa-aux-spi
</sa-aux-spi>
<sa-state>
  sa-state
</sa-state>
<sa-mode>
  sa-mode
</sa-mode>
<sa-type>
  sa-type
</sa-type>
<sa-protocol>
  sa-protocol
</sa-protocol>
<sa-authentication-algorithm>
  sa-authentication-algorithm
</sa-authentication-algorithm>
<sa-encryption-algorithm>
  sa-encryption-algorithm
</sa-encryption-algorithm>
<sa-soft-lifetime>
  sa-soft-lifetime
</sa-soft-lifetime>
<sa-hard-lifetime>
  sa-hard-lifetime
</sa-hard-lifetime>
<sa-anti-replay-service>
  sa-anti-replay-service
</sa-anti-replay-service>
<sa-replay-window-size>
  sa-replay-window-size
</sa-replay-window-size>
<sa-authentication-key>
  sa-authentication-key
</sa-authentication-key>
<sa-encryption-key>
  sa-encryption-key
</sa-encryption-key>
</security-associations>
</services-security-associations-block>
```

**Description** Information about a single security association

## <security-associations>

### Usage

```
<security-associations>
  <sa-direction>
    sa-direction
  </sa-direction>
```

```

<sa-spi>
  sa-spi
</sa-spi>
<sa-aux-spi>
  sa-aux-spi
</sa-aux-spi>
<sa-state>
  sa-state
</sa-state>
<sa-mode>
  sa-mode
</sa-mode>
<sa-type>
  sa-type
</sa-type>
<sa-protocol>
  sa-protocol
</sa-protocol>
<sa-authentication-algorithm>
  sa-authentication-algorithm
</sa-authentication-algorithm>
<sa-encryption-algorithm>
  sa-encryption-algorithm
</sa-encryption-algorithm>
<sa-soft-lifetime>
  sa-soft-lifetime
</sa-soft-lifetime>
<sa-hard-lifetime>
  sa-hard-lifetime
</sa-hard-lifetime>
<sa-anti-replay-service>
  sa-anti-replay-service
</sa-anti-replay-service>
<sa-replay-window-size>
  sa-replay-window-size
</sa-replay-window-size>
<sa-authentication-key>
  sa-authentication-key
</sa-authentication-key>
<sa-encryption-key>
  sa-encryption-key
</sa-encryption-key>
</security-associations>

```

**Description** Information about a single security association

## <security-associations>

### Usage

```

<security-associations-information>
  <security-associations-block>
    <security-associations>
      <sa-direction>
        sa-direction

```

```
</sa-direction>
<sa-spi>
  sa-spi
</sa-spi>
<sa-aux-spi>
  sa-aux-spi
</sa-aux-spi>
<sa-state>
  sa-state
</sa-state>
<sa-mode>
  sa-mode
</sa-mode>
<sa-type>
  sa-type
</sa-type>
<sa-protocol>
  sa-protocol
</sa-protocol>
<sa-authentication-algorithm>
  sa-authentication-algorithm
</sa-authentication-algorithm>
<sa-encryption-algorithm>
  sa-encryption-algorithm
</sa-encryption-algorithm>
<sa-soft-lifetime>
  sa-soft-lifetime
</sa-soft-lifetime>
<sa-hard-lifetime>
  sa-hard-lifetime
</sa-hard-lifetime>
<sa-anti-replay-service>
  sa-anti-replay-service
</sa-anti-replay-service>
<sa-replay-window-size>
  sa-replay-window-size
</sa-replay-window-size>
<sa-authentication-key>
  sa-authentication-key
</sa-authentication-key>
<sa-encryption-key>
  sa-encryption-key
</sa-encryption-key>
</security-associations>
</security-associations-block>
</security-associations-information>
```

**Description** Information about a single security association

## <security-associations>

### Usage

```
<security-associations-information>
<security-associations>
```

```

<sa-direction>
  sa-direction
</sa-direction>
<sa-spi>
  sa-spi
</sa-spi>
<sa-aux-spi>
  sa-aux-spi
</sa-aux-spi>
<sa-state>
  sa-state
</sa-state>
<sa-mode>
  sa-mode
</sa-mode>
<sa-type>
  sa-type
</sa-type>
<sa-protocol>
  sa-protocol
</sa-protocol>
<sa-authentication-algorithm>
  sa-authentication-algorithm
</sa-authentication-algorithm>
<sa-encryption-algorithm>
  sa-encryption-algorithm
</sa-encryption-algorithm>
<sa-soft-lifetime>
  sa-soft-lifetime
</sa-soft-lifetime>
<sa-hard-lifetime>
  sa-hard-lifetime
</sa-hard-lifetime>
<sa-anti-replay-service>
  sa-anti-replay-service
</sa-anti-replay-service>
<sa-replay-window-size>
  sa-replay-window-size
</sa-replay-window-size>
<sa-authentication-key>
  sa-authentication-key
</sa-authentication-key>
<sa-encryption-key>
  sa-encryption-key
</sa-encryption-key>
</security-associations>
</security-associations-information>

```

**Description** Information about a single security association

## <security-associations>

### Usage

```
<services-security-associations-information>
```

```
<services-security-associations-block>
  <security-associations>
    <sa-direction>
      sa-direction
    </sa-direction>
    <sa-spi>
      sa-spi
    </sa-spi>
    <sa-aux-spi>
      sa-aux-spi
    </sa-aux-spi>
    <sa-state>
      sa-state
    </sa-state>
    <sa-mode>
      sa-mode
    </sa-mode>
    <sa-type>
      sa-type
    </sa-type>
    <sa-protocol>
      sa-protocol
    </sa-protocol>
    <sa-authentication-algorithm>
      sa-authentication-algorithm
    </sa-authentication-algorithm>
    <sa-encryption-algorithm>
      sa-encryption-algorithm
    </sa-encryption-algorithm>
    <sa-soft-lifetime>
      sa-soft-lifetime
    </sa-soft-lifetime>
    <sa-hard-lifetime>
      sa-hard-lifetime
    </sa-hard-lifetime>
    <sa-anti-replay-service>
      sa-anti-replay-service
    </sa-anti-replay-service>
    <sa-replay-window-size>
      sa-replay-window-size
    </sa-replay-window-size>
    <sa-authentication-key>
      sa-authentication-key
    </sa-authentication-key>
    <sa-encryption-key>
      sa-encryption-key
    </sa-encryption-key>
  </security-associations>
</services-security-associations-block>
</services-security-associations-information>
```

**Description** Information about a single security association

## &lt;security-associations&gt;

## Usage

```

<services-security-associations-information>
  <security-associations>
    <sa-direction>
      sa-direction
    </sa-direction>
    <sa-spi>
      sa-spi
    </sa-spi>
    <sa-aux-spi>
      sa-aux-spi
    </sa-aux-spi>
    <sa-state>
      sa-state
    </sa-state>
    <sa-mode>
      sa-mode
    </sa-mode>
    <sa-type>
      sa-type
    </sa-type>
    <sa-protocol>
      sa-protocol
    </sa-protocol>
    <sa-authentication-algorithm>
      sa-authentication-algorithm
    </sa-authentication-algorithm>
    <sa-encryption-algorithm>
      sa-encryption-algorithm
    </sa-encryption-algorithm>
    <sa-soft-lifetime>
      sa-soft-lifetime
    </sa-soft-lifetime>
    <sa-hard-lifetime>
      sa-hard-lifetime
    </sa-hard-lifetime>
    <sa-anti-replay-service>
      sa-anti-replay-service
    </sa-anti-replay-service>
    <sa-replay-window-size>
      sa-replay-window-size
    </sa-replay-window-size>
    <sa-authentication-key>
      sa-authentication-key
    </sa-authentication-key>
    <sa-encryption-key>
      sa-encryption-key
    </sa-encryption-key>
  </security-associations>
</services-security-associations-information>

```

**Description** Information about a single security association

## <security-associations-block>

### Usage

```
<security-associations-block>
  <sa-name>
    sa-name
  </sa-name>
  <sa-block-state>
    sa-block-state
  </sa-block-state>
  <sa-tunnel-information>....</sa-tunnel-information>
  <security-associations>....</security-associations>
</security-associations-block>
```

**Description** Information about a single security association block

## <security-associations-block>

### Usage

```
<security-associations-information>
  <security-associations-block>
    <sa-name>
      sa-name
    </sa-name>
    <sa-block-state>
      sa-block-state
    </sa-block-state>
    <sa-tunnel-information>....</sa-tunnel-information>
    <security-associations>....</security-associations>
  </security-associations-block>
</security-associations-information>
```

**Description** Information about a single security association block

## <security-associations-information>

### Usage

```
<security-associations-information>
  <security-associations-block>....</security-associations-block>
  <sa-tunnel-information>....</sa-tunnel-information>
  <security-associations>....</security-associations>
</security-associations-information>
```

**Description**

## <serial-number-list>

### Usage

```
<serial-number-list>
  <serial-number-x509>
    serial-number-x509
```



```
</serial-number-x509>
</serial-number-list>
```

**Description** Serial numbers of one or more X.509 certificate

#### <serial-number-list>

##### Usage

```
<x509-certificate-info>
  <serial-number-list>
    <serial-number-x509>
      serial-number-x509
    </serial-number-x509>
  </serial-number-list>
</x509-certificate-info>
```

**Description** Serial numbers of one or more X.509 certificate

#### <serial-number-list>

##### Usage

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <serial-number-list>
      <serial-number-x509>
        serial-number-x509
      </serial-number-x509>
    </serial-number-list>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

**Description** Serial numbers of one or more X.509 certificate

#### <serial-number-list>

##### Usage

```
<x509-certificate-cache-info>
  <serial-number-list>
    <serial-number-x509>
      serial-number-x509
    </serial-number-x509>
  </serial-number-list>
</x509-certificate-cache-info>
```

**Description** Serial numbers of one or more X.509 certificate

### <serial-number-list>

**Usage**

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <serial-number-list>
      <serial-number-x509>
        serial-number-x509
      </serial-number-x509>
    </serial-number-list>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description** Serial numbers of one or more X.509 certificate

### <service-set-info>

**Usage**

```
<service-set-info>
  <service-set-name>
    service-set-name
  </service-set-name>
  <total-cert-entries>
    total-cert-entries
  </total-cert-entries>
</service-set-info>
```

**Description** Information about service set and certificate cache statistics

### <service-set-info>

**Usage**

```
<x509-certificate-cache-info>
  <service-set-info>
    <service-set-name>
      service-set-name
    </service-set-name>
    <total-cert-entries>
      total-cert-entries
    </total-cert-entries>
  </service-set-info>
</x509-certificate-cache-info>
```

**Description** Information about service set and certificate cache statistics

### <service-set-info>

**Usage**

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
```

```

<service-set-info>
  <service-set-name>
    service-set-name
  </service-set-name>
  <total-cert-entries>
    total-cert-entries
  </total-cert-entries>
</service-set-info>
</x509-certificate-cache-info>
</x509-certificate-cache-info-list>

```

**Description** Information about service set and certificate cache statistics

### <services-security-associations-block>

#### Usage

```

<services-security-associations-block>
  <svc-set-name>
    svc-set-name
  </svc-set-name>
  <outside-service-interface-routing-instance>
    outside-service-interface-routing-instance
  </outside-service-interface-routing-instance>
  <sa-tunnel-information>....</sa-tunnel-information>
  <security-associations>....</security-associations>
  <tunnel-redundancy-extensive>....</tunnel-redundancy-extensive>
</services-security-associations-block>

```

**Description** Information about a single services security associations block

### <services-security-associations-block>

#### Usage

```

<services-security-associations-information>
  <services-security-associations-block>
    <svc-set-name>
      svc-set-name
    </svc-set-name>
    <outside-service-interface-routing-instance>
      outside-service-interface-routing-instance
    </outside-service-interface-routing-instance>
    <sa-tunnel-information>....</sa-tunnel-information>
    <security-associations>....</security-associations>
    <tunnel-redundancy-extensive>....</tunnel-redundancy-extensive>
  </services-security-associations-block>
</services-security-associations-information>

```

**Description** Information about a single services security associations block

## <services-security-associations-information>

### Usage

```
<services-security-associations-information>
  <services-security-associations-block>....</services-security-associations-block>

  <sa-tunnel-information>....</sa-tunnel-information>
  <security-associations>....</security-associations>
  <tunnel-redundancy-extensive>....</tunnel-redundancy-extensive>
</services-security-associations-information>
```

### Description

## <subject>

### Usage

```
<x509-certificate-info>
  <subject>
    <distinguished-name>....</distinguished-name>
  </subject>
</x509-certificate-info>
```

**Description** Information about certificate owner

## <subject>

### Usage

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <subject>
      <distinguished-name>....</distinguished-name>
    </subject>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

**Description** Information about certificate owner

## <tunnel-redundancy-extensive>

### Usage

```
<tunnel-redundancy-extensive>
  <ipsec-redundancy-counter>
    ipsec-redundancy-counter
  </ipsec-redundancy-counter>
  <ipsec-redundancy-tunnel-no-information>
    ipsec-redundancy-tunnel-no-information
  </ipsec-redundancy-tunnel-no-information>
  <ipsec-tunnel-redundancy-primary-remote-address>
    ipsec-tunnel-redundancy-primary-remote-address
  </ipsec-tunnel-redundancy-primary-remote-address>
  <ipsec-tunnel-redundancy-backup-remote-address>
```

```

    ipsec-tunnel-redundancy-backup-remote-address
  </ipsec-tunnel-redundancy-backup-remote-address>
  <ipsec-redundancy-primary-state>
    ipsec-redundancy-primary-state
  </ipsec-redundancy-primary-state>
  <ipsec-redundancy-backup-state>
    ipsec-redundancy-backup-state
  </ipsec-redundancy-backup-state>
</tunnel-redundancy-extensive>

```

**Description** Information about IPSec tunnel redundancy

### <tunnel-redundancy-extensive>

#### Usage

```

<services-security-associations-block>
  <tunnel-redundancy-extensive>
    <ipsec-redundancy-counter>
      ipsec-redundancy-counter
    </ipsec-redundancy-counter>
    <ipsec-redundancy-tunnel-no-information>
      ipsec-redundancy-tunnel-no-information
    </ipsec-redundancy-tunnel-no-information>
    <ipsec-tunnel-redundancy-primary-remote-address>
      ipsec-tunnel-redundancy-primary-remote-address
    </ipsec-tunnel-redundancy-primary-remote-address>
    <ipsec-tunnel-redundancy-backup-remote-address>
      ipsec-tunnel-redundancy-backup-remote-address
    </ipsec-tunnel-redundancy-backup-remote-address>
    <ipsec-redundancy-primary-state>
      ipsec-redundancy-primary-state
    </ipsec-redundancy-primary-state>
    <ipsec-redundancy-backup-state>
      ipsec-redundancy-backup-state
    </ipsec-redundancy-backup-state>
  </tunnel-redundancy-extensive>
</services-security-associations-block>

```

**Description** Information about IPSec tunnel redundancy

### <tunnel-redundancy-extensive>

#### Usage

```

<services-security-associations-information>
  <services-security-associations-block>
    <tunnel-redundancy-extensive>
      <ipsec-redundancy-counter>
        ipsec-redundancy-counter
      </ipsec-redundancy-counter>
      <ipsec-redundancy-tunnel-no-information>
        ipsec-redundancy-tunnel-no-information
      </ipsec-redundancy-tunnel-no-information>
    </tunnel-redundancy-extensive>
  </services-security-associations-block>
</services-security-associations-information>

```

```
<ipsec-tunnel-redundancy-primary-remote-address>
  ipsec-tunnel-redundancy-primary-remote-address
</ipsec-tunnel-redundancy-primary-remote-address>
<ipsec-tunnel-redundancy-backup-remote-address>
  ipsec-tunnel-redundancy-backup-remote-address
</ipsec-tunnel-redundancy-backup-remote-address>
<ipsec-redundancy-primary-state>
  ipsec-redundancy-primary-state
</ipsec-redundancy-primary-state>
<ipsec-redundancy-backup-state>
  ipsec-redundancy-backup-state
</ipsec-redundancy-backup-state>
</tunnel-redundancy-extensive>
</services-security-associations-block>
</services-security-associations-information>
```

**Description** Information about IPSec tunnel redundancy

### <tunnel-redundancy-extensive>

#### Usage

```
<services-security-associations-information>
<tunnel-redundancy-extensive>
  <ipsec-redundancy-counter>
    ipsec-redundancy-counter
  </ipsec-redundancy-counter>
  <ipsec-redundancy-tunnel-no-information>
    ipsec-redundancy-tunnel-no-information
  </ipsec-redundancy-tunnel-no-information>
  <ipsec-tunnel-redundancy-primary-remote-address>
    ipsec-tunnel-redundancy-primary-remote-address
  </ipsec-tunnel-redundancy-primary-remote-address>
  <ipsec-tunnel-redundancy-backup-remote-address>
    ipsec-tunnel-redundancy-backup-remote-address
  </ipsec-tunnel-redundancy-backup-remote-address>
  <ipsec-redundancy-primary-state>
    ipsec-redundancy-primary-state
  </ipsec-redundancy-primary-state>
  <ipsec-redundancy-backup-state>
    ipsec-redundancy-backup-state
  </ipsec-redundancy-backup-state>
</tunnel-redundancy-extensive>
</services-security-associations-information>
```

**Description** Information about IPSec tunnel redundancy

### <usp-ipsec-total-statistics-information>

#### Usage

```
<usp-ipsec-total-statistics-information>
  <esp-statistics>....</esp-statistics>
  <ah-statistics>....</ah-statistics>
```

```
<error-statistics>....</error-statistics>
</usp-ipsec-total-statistics-information>
```

**Description****<validity>****Usage**

```
<validity>
  <not-before>
    not-before
  </not-before>
  <not-after>
    not-after
  </not-after>
</validity>
```

**Description** Information about validity period for X.509 certificate**<validity>****Usage**

```
<x509-certificate-info>
  <validity>
    <not-before>
      not-before
    </not-before>
    <not-after>
      not-after
    </not-after>
  </validity>
</x509-certificate-info>
```

**Description** Information about validity period for X.509 certificate**<validity>****Usage**

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <validity>
      <not-before>
        not-before
      </not-before>
      <not-after>
        not-after
      </not-after>
    </validity>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

**Description** Information about validity period for X.509 certificate

### <validity>

**Usage**

```
<x509-certificate-cache-info>
  <validity>
    <not-before>
      not-before
    </not-before>
    <not-after>
      not-after
    </not-after>
  </validity>
</x509-certificate-cache-info>
```

**Description** Information about validity period for X.509 certificate

### <validity>

**Usage**

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <validity>
      <not-before>
        not-before
      </not-before>
      <not-after>
        not-after
      </not-after>
    </validity>
  </x509-certificate-cache-info>
</x509-certificate-cache-info-list>
```

**Description** Information about validity period for X.509 certificate

### <x509>

**Usage**

```
<certificates>
  <x509>
    <x509-ip>
      x509-ip
    </x509-ip>
    <x509-dns>
      x509-dns
    </x509-dns>
    <x509-uri>
      x509-uri
    </x509-uri>
    <x509-email>
      x509-email
    </x509-email>
  </x509>
</certificates>
```



```

    </x509-email>
  </x509>
</certificates>

```

**Description** Information about a single x509 record

## <x509>

### Usage

```

<x509>
  <x509-ip>
    x509-ip
  </x509-ip>
  <x509-dns>
    x509-dns
  </x509-dns>
  <x509-uri>
    x509-uri
  </x509-uri>
  <x509-email>
    x509-email
  </x509-email>
</x509>

```

**Description** Information about a single x509 record

## <x509>

### Usage

```

<certificate-information>
  <certificates>
    <x509>
      <x509-ip>
        x509-ip
      </x509-ip>
      <x509-dns>
        x509-dns
      </x509-dns>
      <x509-uri>
        x509-uri
      </x509-uri>
      <x509-email>
        x509-email
      </x509-email>
    </x509>
  </certificates>
</certificate-information>

```

**Description** Information about a single x509 record

## <x509-certificate-cache-info>

### Usage

```
<x509-certificate-cache-info>
  <service-set-info>....</service-set-info>
  <cert-flag-info>....</cert-flag-info>
  <issue-info>....</issue-info>
  <serial-number-list>....</serial-number-list>
  <public-key>....</public-key>
  <fingerprint>....</fingerprint>
  <public-key-contents-list>....</public-key-contents-list>
  <alternate-subject-list>....</alternate-subject-list>
  <key-usage-list>....</key-usage-list>
  <distribution-crl-list>....</distribution-crl-list>
  <signature-algorithm>
    signature-algorithm
  </signature-algorithm>
  <identifier>
    identifier
  </identifier>
  <validity>....</validity>
  <version>
    version
  </version>
  <certificate-cache-entry>
    certificate-cache-entry
  </certificate-cache-entry>
</x509-certificate-cache-info>
```

**Description** Information about an X.509 certificate present in the cache

## <x509-certificate-cache-info>

### Usage

```
<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>
    <service-set-info>....</service-set-info>
    <cert-flag-info>....</cert-flag-info>
    <issue-info>....</issue-info>
    <serial-number-list>....</serial-number-list>
    <public-key>....</public-key>
    <fingerprint>....</fingerprint>
    <public-key-contents-list>....</public-key-contents-list>
    <alternate-subject-list>....</alternate-subject-list>
    <key-usage-list>....</key-usage-list>
    <distribution-crl-list>....</distribution-crl-list>
    <signature-algorithm>
      signature-algorithm
    </signature-algorithm>
    <identifier>
      identifier
    </identifier>
    <validity>....</validity>
```

```

<version>
  version
</version>
<certificate-cache-entry>
  certificate-cache-entry
</certificate-cache-entry>
</x509-certificate-cache-info>
</x509-certificate-cache-info-list>

```

**Description** Information about an X.509 certificate present in the cache

### <x509-certificate-cache-info-list>

#### Usage

```

<x509-certificate-cache-info-list>
  <x509-certificate-cache-info>....</x509-certificate-cache-info>
</x509-certificate-cache-info-list>

```

**Description** Details of X.509 certificates present in the cache

### <x509-certificate-info>

#### Usage

```

<x509-certificate-info>
  <issue-info>....</issue-info>
  <serial-number-list>....</serial-number-list>
  <public-key>....</public-key>
  <fingerprint>....</fingerprint>
  <public-key-contents-list>....</public-key-contents-list>
  <alternate-subject-list>....</alternate-subject-list>
  <key-usage-list>....</key-usage-list>
  <distribution-crl-list>....</distribution-crl-list>
  <signature-algorithm>
    signature-algorithm
  </signature-algorithm>
  <identifier>
    identifier
  </identifier>
  <validity>....</validity>
  <version>
    version
  </version>
  <auto-re-enrollment>....</auto-re-enrollment>
  <certificate-type>
    certificate-type
  </certificate-type>
  <status>
    status
  </status>
  <issuer>....</issuer>
  <subject>....</subject>

```

</x509-certificate-info>

**Description** Detailed information about an X.509 certificate

### <x509-certificate-info>

#### Usage

```
<x509-pki-certificate-info-list>
  <x509-certificate-info>
    <issue-info>.....</issue-info>
    <serial-number-list>.....</serial-number-list>
    <public-key>.....</public-key>
    <fingerprint>.....</fingerprint>
    <public-key-contents-list>.....</public-key-contents-list>
    <alternate-subject-list>.....</alternate-subject-list>
    <key-usage-list>.....</key-usage-list>
    <distribution-crl-list>.....</distribution-crl-list>
    <signature-algorithm>
      signature-algorithm
    </signature-algorithm>
    <identifier>
      identifier
    </identifier>
    <validity>.....</validity>
    <version>
      version
    </version>
    <auto-re-enrollment>.....</auto-re-enrollment>
    <certificate-type>
      certificate-type
    </certificate-type>
    <status>
      status
    </status>
    <issuer>.....</issuer>
    <subject>.....</subject>
  </x509-certificate-info>
</x509-pki-certificate-info-list>
```

**Description** Detailed information about an X.509 certificate

### <x509-crl-information>

#### Usage

```
<x509-crl-information>
  <crl-number>
    crl-number
  </crl-number>
  <crl-revocation-list>.....</crl-revocation-list>
  <crl-validity>.....</crl-validity>
  <crl-version>
    crl-version
  </crl-version>
```

```

</crl-version>
<crl-issuer>
  crl-issuer
</crl-issuer>
<identifier>
  identifier
</identifier>
<crl-issuer-alternate-subject-list>....</crl-issuer-alternate-subject-list>
<crl-issuer-detail>....</crl-issuer-detail>
</x509-crl-information>

```

**Description** Detailed information about X.509 certificate revocation list

### <x509-crl-information>

#### Usage

```

<x509-pki-crl-information-list>
  <x509-crl-information>
    <crl-number>
      crl-number
    </crl-number>
    <crl-revocation-list>....</crl-revocation-list>
    <crl-validity>....</crl-validity>
    <crl-version>
      crl-version
    </crl-version>
    <crl-issuer>
      crl-issuer
    </crl-issuer>
    <identifier>
      identifier
    </identifier>
    <crl-issuer-alternate-subject-list>....</crl-issuer-alternate-subject-list>
    <crl-issuer-detail>....</crl-issuer-detail>
  </x509-crl-information>
</x509-pki-crl-information-list>

```

**Description** Detailed information about X.509 certificate revocation list

### <x509-pki-certificate-info-list>

#### Usage

```

<x509-pki-certificate-info-list>
  <x509-certificate-info>....</x509-certificate-info>
</x509-pki-certificate-info-list>

```

**Description** X.509 certificate details

### <x509-pki-crl-information-list>

#### Usage

```
<x509-pki-crl-information-list>
  <x509-crl-information>....</x509-crl-information>
</x509-pki-crl-information-list>
```

**Description** Detailed information about X.509 certificate revocation list

---

## Summary of ISDN Response Tags

### <ces-status>

#### Usage

```
<ces-status>
  <ces-num>
    ces-num
  </ces-num>
  <layer2-status>
    layer2-status
  </layer2-status>
  <tei-status>
    tei-status
  </tei-status>
  <tei-assigned>
    tei-assigned
  </tei-assigned>
</ces-status>
```

**Description** Connection Endpoint Suffix status

### <ces-status>

#### Usage

```
<q921-status>
  <ces-status>
    <ces-num>
      ces-num
    </ces-num>
    <layer2-status>
      layer2-status
    </layer2-status>
    <tei-status>
      tei-status
    </tei-status>
    <tei-assigned>
      tei-assigned
    </tei-assigned>
  </ces-status>
</q921-status>
```

**Description** Connection Endpoint Suffix status

### <ces-status>

#### Usage

```
<isdn-status>
  <q921-status>
    <ces-status>
      <ces-num>
        ces-num
      </ces-num>
      <layer2-status>
        layer2-status
      </layer2-status>
      <tei-status>
        tei-status
      </tei-status>
      <tei-assigned>
        tei-assigned
      </tei-assigned>
    </ces-status>
  </q921-status>
</isdn-status>
```

**Description** Connection Endpoint Suffix status

### <endpoint>

#### Usage

```
<endpoint>
  <ces-num>
    ces-num
  </ces-num>
  <isdn-spuid>
    isdn-spuid
  </isdn-spuid>
  <endpoint-state>
    endpoint-state
  </endpoint-state>
  <usid>
    usid
  </usid>
  <tid>
    tid
  </tid>
</endpoint>
```

**Description** Detailed output for one endpoint

## <endpoint>

### Usage

```
<endpoint-status>
  <endpoint>
    <ces-num>
      ces-num
    </ces-num>
    <isdn-spid>
      isdn-spid
    </isdn-spid>
    <endpoint-state>
      endpoint-state
    </endpoint-state>
    <usid>
      usid
    </usid>
    <tid>
      tid
    </tid>
  </endpoint>
</endpoint-status>
```

**Description** Detailed output for one endpoint

## <endpoint>

### Usage

```
<isdn-config-options>
  <endpoint-status>
    <endpoint>
      <ces-num>
        ces-num
      </ces-num>
      <isdn-spid>
        isdn-spid
      </isdn-spid>
      <endpoint-state>
        endpoint-state
      </endpoint-state>
      <usid>
        usid
      </usid>
      <tid>
        tid
      </tid>
    </endpoint>
  </endpoint-status>
</isdn-config-options>
```

**Description** Detailed output for one endpoint



**<endpoint-status>****Usage**

```
<endpoint-status>
  <endpoint>....</endpoint>
</endpoint-status>
```

**Description** ISDN endpoint status

**<endpoint-status>****Usage**

```
<isdn-config-options>
  <endpoint-status>
    <endpoint>....</endpoint>
  </endpoint-status>
</isdn-config-options>
```

**Description** ISDN endpoint status

**<isdn-call>****Usage**

```
<isdn-call>
  <bc-interface-name>
    bc-interface-name
  </bc-interface-name>
  <call-status>
    call-status
  </call-status>
  <error-code>
    error-code
  </error-code>
  <call-duration>
    call-duration
  </call-duration>
  <call-direction>
    call-direction
  </call-direction>
  <called-number>
    called-number
  </called-number>
  <calling-number>
    calling-number
  </calling-number>
</isdn-call>
```

**Description**

## <isdn-call>

### Usage

```
<isdn-calls>
  <isdn-call>
    <bc-interface-name>
      bc-interface-name
    </bc-interface-name>
    <call-status>
      call-status
    </call-status>
    <error-code>
      error-code
    </error-code>
    <call-duration>
      call-duration
    </call-duration>
    <call-direction>
      call-direction
    </call-direction>
    <called-number>
      called-number
    </called-number>
    <calling-number>
      calling-number
    </calling-number>
  </isdn-call>
</isdn-calls>
```

### Description

## <isdn-call>

### Usage

```
<isdn-call-history>
  <isdn-call>
    <bc-interface-name>
      bc-interface-name
    </bc-interface-name>
    <call-status>
      call-status
    </call-status>
    <error-code>
      error-code
    </error-code>
    <call-duration>
      call-duration
    </call-duration>
    <call-direction>
      call-direction
    </call-direction>
    <called-number>
      called-number
    </called-number>
```

```

    <calling-number>
      calling-number
    </calling-number>
  </isdn-call>
</isdn-call-history>

```

#### Description

### <isdn-call-history>

#### Usage

```

<isdn-call-history>
  <isdn-call>.....</isdn-call>
</isdn-call-history>

```

#### Description

### <isdn-calls>

#### Usage

```

<isdn-calls>
  <isdn-call>.....</isdn-call>
</isdn-calls>

```

#### Description

### <isdn-config-options>

#### Usage

```

<isdn-config-options>
  <isdn-switch-type>
    isdn-switch-type
  </isdn-switch-type>
  <isdn-interface-type>
    isdn-interface-type
  </isdn-interface-type>
  <isdn-calling-number>
    isdn-calling-number
  </isdn-calling-number>
  <isdn-timer-t306>
    isdn-timer-t306
  </isdn-timer-t306>
  <isdn-timer-t310>
    isdn-timer-t310
  </isdn-timer-t310>
  <isdn-tei-option>
    isdn-tei-option
  </isdn-tei-option>
  <endpoint-status>.....</endpoint-status>
</isdn-config-options>

```

#### Description

## <isdn-status>

### Usage

```
<isdn-status>
  <isdn-interface-name>
    isdn-interface-name
  </isdn-interface-name>
  <layer1-status>
    layer1-status
  </layer1-status>
  <q921-status>....</q921-status>
  <q931-status>....</q931-status>
</isdn-status>
```

**Description**    Isdn stack status

## <q921-statistics>

### Usage

```
<q921-statistics>
  <info-frame-sent>
    info-frame-sent
  </info-frame-sent>
  <rr-frame-sent>
    rr-frame-sent
  </rr-frame-sent>
  <rnr-frame-sent>
    rnr-frame-sent
  </rnr-frame-sent>
  <rej-frame-sent>
    rej-frame-sent
  </rej-frame-sent>
  <sabme-frame-sent>
    sabme-frame-sent
  </sabme-frame-sent>
  <disc-frame-sent>
    disc-frame-sent
  </disc-frame-sent>
  <ua-frame-sent>
    ua-frame-sent
  </ua-frame-sent>
  <dm-frame-sent>
    dm-frame-sent
  </dm-frame-sent>
  <frmr-frame-sent>
    frmr-frame-sent
  </frmr-frame-sent>
  <xid-frame-sent>
    xid-frame-sent
  </xid-frame-sent>
  <ui-frame-sent>
    ui-frame-sent
  </ui-frame-sent>
```

```

<info-frame-recv>
  info-frame-recv
</info-frame-recv>
<rr-frame-recv>
  rr-frame-recv
</rr-frame-recv>
<rnrr-frame-recv>
  rnrr-frame-recv
</rnrr-frame-recv>
<rej-frame-recv>
  rej-frame-recv
</rej-frame-recv>
<sabme-frame-recv>
  sabme-frame-recv
</sabme-frame-recv>
<disc-frame-recv>
  disc-frame-recv
</disc-frame-recv>
<ua-frame-recv>
  ua-frame-recv
</ua-frame-recv>
<dm-frame-recv>
  dm-frame-recv
</dm-frame-recv>
<frmr-frame-recv>
  frmr-frame-recv
</frmr-frame-recv>
<xid-frame-recv>
  xid-frame-recv
</xid-frame-recv>
<ui-frame-recv>
  ui-frame-recv
</ui-frame-recv>
</q921-statistics>

```

**Description****<q921-status>****Usage**

```

<q921-status>
  <ces-status>....</ces-status>
</q921-status>

```

**Description**    Q921 status

**<q921-status>****Usage**

```

<isdn-status>
  <q921-status>
    <ces-status>....</ces-status>
  </q921-status>

```

</isdn-status>

Description    Q921 status

## <q931-statistics>

### Usage

```
<q931-statistics>
  <alerting-sent>
    alerting-sent
  </alerting-sent>
  <call-proceed-sent>
    call-proceed-sent
  </call-proceed-sent>
  <conn-sent>
    conn-sent
  </conn-sent>
  <conn-ack-sent>
    conn-ack-sent
  </conn-ack-sent>
  <progress-sent>
    progress-sent
  </progress-sent>
  <setup-sent>
    setup-sent
  </setup-sent>
  <setup-ack-sent>
    setup-ack-sent
  </setup-ack-sent>
  <disc-sent>
    disc-sent
  </disc-sent>
  <rel-sent>
    rel-sent
  </rel-sent>
  <rel-cmpl-sent>
    rel-cmpl-sent
  </rel-cmpl-sent>
  <rst-sent>
    rst-sent
  </rst-sent>
  <rst-ack-sent>
    rst-ack-sent
  </rst-ack-sent>
  <info-sent>
    info-sent
  </info-sent>
  <notify-sent>
    notify-sent
  </notify-sent>
  <stat-sent>
    stat-sent
  </stat-sent>
  <stat-enq-sent>
```

```

    stat-enq-sent
  </stat-enq-sent>
  <alerting-recv>
    alerting-recv
  </alerting-recv>
  <call-proceed-recv>
    call-proceed-recv
  </call-proceed-recv>
  <conn-recv>
    conn-recv
  </conn-recv>
  <conn-ack-recv>
    conn-ack-recv
  </conn-ack-recv>
  <progress-recv>
    progress-recv
  </progress-recv>
  <setup-recv>
    setup-recv
  </setup-recv>
  <setup-ack-recv>
    setup-ack-recv
  </setup-ack-recv>
  <disc-recv>
    disc-recv
  </disc-recv>
  <rel-recv>
    rel-recv
  </rel-recv>
  <rel-cmplt-recv>
    rel-cmplt-recv
  </rel-cmplt-recv>
  <rst-recv>
    rst-recv
  </rst-recv>
  <rst-ack-recv>
    rst-ack-recv
  </rst-ack-recv>
  <info-recv>
    info-recv
  </info-recv>
  <notify-recv>
    notify-recv
  </notify-recv>
  <stat-recv>
    stat-recv
  </stat-recv>
  <stat-enq-recv>
    stat-enq-recv
  </stat-enq-recv>
</q931-statistics>

```

## Description

### <q931-status>

**Usage**

```
<q931-status>
  <active-num-calls>
    active-num-calls
  </active-num-calls>
</q931-status>
```

**Description** Q931 layer 3 status

### <q931-status>

**Usage**

```
<isdn-status>
  <q931-status>
    <active-num-calls>
      active-num-calls
    </active-num-calls>
  </q931-status>
</isdn-status>
```

**Description** Q931 layer 3 status

---

## Summary of Stateful Redundancy Response Tags

---

### <chassis-cluster-control>

**Usage**

```
<chassis-cluster-statistics>
  <chassis-cluster-interfaces>
    <chassis-cluster-control>
      <heartbeat-sent>
        heartbeat-sent
      </heartbeat-sent>
      <heartbeat-received>
        heartbeat-received
      </heartbeat-received>
      <control-interface-index>
        control-interface-index
      </control-interface-index>
      <heartbeat-errors>
        heartbeat-errors
      </heartbeat-errors>
    </chassis-cluster-control>
  </chassis-cluster-interfaces>
</chassis-cluster-statistics>
```

**Description**



## <chassis-cluster-control-statistics>

### Usage

```

<chassis-cluster-information>
  <chassis-cluster-internal-statistics>
    <chassis-cluster-control-statistics>
      <heartbeat-sent>
        heartbeat-sent
      </heartbeat-sent>
      <heartbeat-received>
        heartbeat-received
      </heartbeat-received>
      <heartbeat-errors>
        heartbeat-errors
      </heartbeat-errors>
      <heartbeat-duplicates>
        heartbeat-duplicates
      </heartbeat-duplicates>
      <control-interface-index>
        control-interface-index
      </control-interface-index>
      <control-link-recovery-packet-count>
        control-link-recovery-packet-count
      </control-link-recovery-packet-count>
      <last-heartbeat-id-sent>
        last-heartbeat-id-sent
      </last-heartbeat-id-sent>
      <last-heartbeat-id-received>
        last-heartbeat-id-received
      </last-heartbeat-id-received>
    </chassis-cluster-control-statistics>
  </chassis-cluster-internal-statistics>
</chassis-cluster-information>

```

### Description

## <chassis-cluster-dataplane-interfaces>

### Usage

```

<chassis-cluster-dataplane-interfaces>
  <fabric-interface-index>
    fabric-interface-index
  </fabric-interface-index>
  <fabric-information>....</fabric-information>
</chassis-cluster-dataplane-interfaces>

```

### Description

## <chassis-cluster-ethernet-switching-interfaces>

### Usage

```

<chassis-cluster-ethernet-switching-interfaces>
  <swfabric-interface-index>

```

```
    swfabric-interface-index
  </swfabric-interface-index>
  <swfabric-information>....</swfabric-information>
</chassis-cluster-ethernet-switching-interfaces>
```

#### Description

### <chassis-cluster-ethernet-switching-statistics>

#### Usage

```
<chassis-cluster-ethernet-switching-statistics>
  <chassis-cluster-swfabric>....</chassis-cluster-swfabric>
</chassis-cluster-ethernet-switching-statistics>
```

#### Description

### <chassis-cluster-ethernet-switching-status>

#### Usage

```
<chassis-cluster-ethernet-switching-status>
  <chassis-cluster-status>....</chassis-cluster-status>
  <ethernet-switching-status>
    ethernet-switching-status
  </ethernet-switching-status>
</chassis-cluster-ethernet-switching-status>
```

#### Description

### <chassis-cluster-fabric>

#### Usage

```
<chassis-cluster-statistics>
  <chassis-cluster-interfaces>
    <chassis-cluster-fabric>
      <rto-packets>
        rto-packets
      </rto-packets>
      <forwarded-packets>
        forwarded-packets
      </forwarded-packets>
      <fabric-link-heartbeat-packets-sent>
        fabric-link-heartbeat-packets-sent
      </fabric-link-heartbeat-packets-sent>
      <fabric-link-heartbeat-packets-received>
        fabric-link-heartbeat-packets-received
      </fabric-link-heartbeat-packets-received>
      <fabric-probe-errors>
        fabric-probe-errors
      </fabric-probe-errors>
    </chassis-cluster-fabric>
  </chassis-cluster-interfaces>
</chassis-cluster-statistics>
```

## Description

## &lt;chassis-cluster-fabric-statistics&gt;

## Usage

```

<chassis-cluster-information>
<chassis-cluster-internal-statistics>
<chassis-cluster-fabric-statistics>
  <fabric-link-heartbeat-packets-sent>
    fabric-link-heartbeat-packets-sent
  </fabric-link-heartbeat-packets-sent>
  <fabric-link-heartbeat-packets-received>
    fabric-link-heartbeat-packets-received
  </fabric-link-heartbeat-packets-received>
  <fabric-probe-errors>
    fabric-probe-errors
  </fabric-probe-errors>
  <fabric-probes-dropped-on-control-link-down>
    fabric-probes-dropped-on-control-link-down
  </fabric-probes-dropped-on-control-link-down>
  <fabric-probes-dropped-on-fabric-link-down>
    fabric-probes-dropped-on-fabric-link-down
  </fabric-probes-dropped-on-fabric-link-down>
  <fabric-probes-not-processed>
    fabric-probes-not-processed
  </fabric-probes-not-processed>
  <last-probe-id-sent>
    last-probe-id-sent
  </last-probe-id-sent>
  <last-probe-id-received>
    last-probe-id-received
  </last-probe-id-received>
</chassis-cluster-fabric-statistics>
</chassis-cluster-internal-statistics>
</chassis-cluster-information>

```

## Description

## &lt;chassis-cluster-information&gt;

## Usage

```

<chassis-cluster-information>
  <chassis-cluster-redundancy-mode>....</chassis-cluster-redundancy-mode>
  <chassis-cluster-internal-statistics>....</chassis-cluster-internal-statistics>
  <chassis-cluster-led-information>....</chassis-cluster-led-information>
  <control-link-vlan-information>....</control-link-vlan-information>
  <redundancy-group-information-list>....</redundancy-group-information-list>
  <spu-monitoring-information>....</spu-monitoring-information>
  <loopback-information>....</loopback-information>

  <cold-synchronization-monitoring-information>....</cold-synchronization-monitoring-information>

  <interface-monitoring-information>....</interface-monitoring-information>
  <fabric-link-information>....</fabric-link-information>
  <control-link-information>....</control-link-information>

```

```
<hardware-monitoring-information>....</hardware-monitoring-information>
<chassis-cluster-information-issu>....</chassis-cluster-information-issu>

<chassis-cluster-information-command-history>....</chassis-cluster-information-command-history>

</chassis-cluster-information>
```

**Description** Displays complete statistics for debugging purposes

### <chassis-cluster-information-command-history>

**Usage**

```
<chassis-cluster-information-command-history>
  <chassis-cluster-information-command-history-event>
    chassis-cluster-information-command-history-event
  </chassis-cluster-information-command-history-event>
</chassis-cluster-information-command-history>
```

**Description** Displays command history information for debugging purposes

### <chassis-cluster-information-command-history>

**Usage**

```
<chassis-cluster-information>
  <chassis-cluster-information-command-history>
    <chassis-cluster-information-command-history-event>
      chassis-cluster-information-command-history-event
    </chassis-cluster-information-command-history-event>
  </chassis-cluster-information-command-history>
</chassis-cluster-information>
```

**Description** Displays command history information for debugging purposes

### <chassis-cluster-information-issu>

**Usage**

```
<chassis-cluster-information-issu>
  <chassis-cluster-information-issu-event>
    chassis-cluster-information-issu-event
  </chassis-cluster-information-issu-event>
</chassis-cluster-information-issu>
```

**Description** Displays complete ISSU information for debugging purposes

### <chassis-cluster-information-issu>

**Usage**

```
<chassis-cluster-information>
  <chassis-cluster-information-issu>
```

```

<chassis-cluster-information-issu-event>
  chassis-cluster-information-issu-event
</chassis-cluster-information-issu-event>
</chassis-cluster-information-issu>
</chassis-cluster-information>

```

**Description** Displays complete ISSU information for debugging purposes

### <chassis-cluster-information-uspipc>

#### Usage

```

<chassis-cluster-information-uspipc>
  <chassis-cluster-information-uspipc-event>
    chassis-cluster-information-uspipc-event
  </chassis-cluster-information-uspipc-event>
</chassis-cluster-information-uspipc>

```

**Description** Displays complete uspipc information for debugging purposes

### <chassis-cluster-interface-statistics>

#### Usage

```

<chassis-cluster-interface-statistics>
  <control-interface-status>
    control-interface-status
  </control-interface-status>
  <control-link-interfaces>....</control-link-interfaces>
  <dataplane-interface-status>
    dataplane-interface-status
  </dataplane-interface-status>
  <dataplane-interfaces>....</dataplane-interfaces>
  <reth>....</reth>
  <interface-monitoring>....</interface-monitoring>
</chassis-cluster-interface-statistics>

```

**Description**

### <chassis-cluster-interfaces>

#### Usage

```

<chassis-cluster-statistics>
  <chassis-cluster-interfaces>
    <chassis-cluster-control>....</chassis-cluster-control>
    <chassis-cluster-fabric>....</chassis-cluster-fabric>
  </chassis-cluster-interfaces>
</chassis-cluster-statistics>

```

**Description**

## <chassis-cluster-internal-statistics>

### Usage

```
<chassis-cluster-information>
  <chassis-cluster-internal-statistics>
    <chassis-cluster-control-statistics>....</chassis-cluster-control-statistics>
    <chassis-cluster-fabric-statistics>....</chassis-cluster-fabric-statistics>
    <chassis-cluster-swfabric-statistics>....</chassis-cluster-swfabric-statistics>
  </chassis-cluster-internal-statistics>
</chassis-cluster-information>
```

### Description

## <chassis-cluster-ip-monitoring>

### Usage

```
<chassis-cluster-ip-monitoring>
  <redundancy-group>
    redundancy-group
  </redundancy-group>
  <ip-monitoring-weight>
    ip-monitoring-weight
  </ip-monitoring-weight>
  <ip-reachability-status>
    ip-reachability-status
  </ip-reachability-status>
  <reason>
    reason
  </reason>
  <ip-address>
    ip-address
  </ip-address>
  <failure-count>
    failure-count
  </failure-count>
</chassis-cluster-ip-monitoring>
```

### Description

## <chassis-cluster-ip-monitoring-database>

### Usage

```
<chassis-cluster-ip-monitoring-information>
  <chassis-cluster-ip-monitoring-database>
    <ip-monitoring-index>
      ip-monitoring-index
    </ip-monitoring-index>
    <ip-monitoring-version>
      ip-monitoring-version
    </ip-monitoring-version>
    <ip-monitoring-ip-address>
      ip-monitoring-ip-address
    </ip-monitoring-ip-address>
```

```

<ip-monitoring-redundant-ethernet>
  ip-monitoring-redundant-ethernet
</ip-monitoring-redundant-ethernet>
<ip-monitoring-status>
  ip-monitoring-status
</ip-monitoring-status>
<ip-monitoring-retry-count>
  ip-monitoring-retry-count
</ip-monitoring-retry-count>
<ip-monitoring-retry-interval>
  ip-monitoring-retry-interval
</ip-monitoring-retry-interval>
<ip-monitoring-reth-logical-interface-count>
  ip-monitoring-reth-logical-interface-count
</ip-monitoring-reth-logical-interface-count>
<ip-monitoring-redundancy-group>
  ip-monitoring-redundancy-group
</ip-monitoring-redundancy-group>
<ip-monitoring-secondary-ip-address>
  ip-monitoring-secondary-ip-address
</ip-monitoring-secondary-ip-address>
</chassis-cluster-ip-monitoring-database>
</chassis-cluster-ip-monitoring-information>

```

#### Description

### <chassis-cluster-ip-monitoring-global-database>

#### Usage

```

<chassis-cluster-ip-monitoring-information>
<chassis-cluster-ip-monitoring-global-database>
  <ip-monitoring-index>
    ip-monitoring-index
  </ip-monitoring-index>
  <ip-monitoring-version>
    ip-monitoring-version
  </ip-monitoring-version>
  <ip-monitoring-ip-address>
    ip-monitoring-ip-address
  </ip-monitoring-ip-address>
  <ip-monitoring-redundant-ethernet>
    ip-monitoring-redundant-ethernet
  </ip-monitoring-redundant-ethernet>
  <ip-monitoring-reference-count>
    ip-monitoring-reference-count
  </ip-monitoring-reference-count>
  <ip-monitoring-status>
    ip-monitoring-status
  </ip-monitoring-status>
</chassis-cluster-ip-monitoring-global-database>
</chassis-cluster-ip-monitoring-information>

```

#### Description

## <chassis-cluster-ip-monitoring-information>

### Usage

```
<chassis-cluster-ip-monitoring-information>
  <chassis-cluster-ip-monitoring-global-database>....</chassis-cluster-ip-monitoring-global-database>
  <chassis-cluster-ip-monitoring-database>....</chassis-cluster-ip-monitoring-database>
  <chassis-cluster-reth-database>....</chassis-cluster-reth-database>
</chassis-cluster-ip-monitoring-information>
```

**Description** Show IP monitoring information

## <chassis-cluster-led-information>

### Usage

```
<chassis-cluster-information>
  <chassis-cluster-led-information>
    <current-led-color>
      current-led-color
    </current-led-color>
    <last-change-reason>
      last-change-reason
    </last-change-reason>
  </chassis-cluster-led-information>
</chassis-cluster-information>
```

**Description** Chassis cluster LED related information

## <chassis-cluster-redundancy-mode>

### Usage

```
<chassis-cluster-information>
  <chassis-cluster-redundancy-mode>
    <configured>
      configured
    </configured>
    <operational>
      operational
    </operational>
  </chassis-cluster-redundancy-mode>
</chassis-cluster-information>
```

**Description**

## <chassis-cluster-reth-database>

### Usage

```
<chassis-cluster-ip-monitoring-information>
```



```

<chassis-cluster-reth-database>
  <ip-monitoring-redundant-ethernet>
    ip-monitoring-redundant-ethernet
  </ip-monitoring-redundant-ethernet>
  <reth-child-info-count>
    reth-child-info-count
  </reth-child-info-count>
  <reth-interface-to-mac-status>
    reth-interface-to-mac-status
  </reth-interface-to-mac-status>
  <reth-child-interface>
    reth-child-interface
  </reth-child-interface>
  <reth-child-mac-address>
    reth-child-mac-address
  </reth-child-mac-address>
  <reth-child-status>
    reth-child-status
  </reth-child-status>
</chassis-cluster-reth-database>
</chassis-cluster-ip-monitoring-information>

```

#### Description

#### <chassis-cluster-statistics>

##### Usage

```

<chassis-cluster-statistics>
  <chassis-cluster-interfaces>....</chassis-cluster-interfaces>
</chassis-cluster-statistics>

```

#### Description

#### <chassis-cluster-status>

##### Usage

```

<chassis-cluster-status>
  <cluster-id>
    cluster-id
  </cluster-id>
  <redundancy-group>
    redundancy-group
  </redundancy-group>
</chassis-cluster-status>

```

#### Description

#### <chassis-cluster-status>

##### Usage

```

<chassis-cluster-ethernet-switching-status>
  <chassis-cluster-status>
    <cluster-id>

```

```
    cluster-id
  </cluster-id>
  <redundancy-group>
    redundancy-group
  </redundancy-group>
</chassis-cluster-status>
</chassis-cluster-ethernet-switching-status>
```

#### Description

### <chassis-cluster-swfabric>

#### Usage

```
<chassis-cluster-swfabric>
  <swfabric-probe-state>
    swfabric-probe-state
  </swfabric-probe-state>
  <swfabric-link-heartbeat-packets-sent>
    swfabric-link-heartbeat-packets-sent
  </swfabric-link-heartbeat-packets-sent>
  <swfabric-link-heartbeat-packets-received>
    swfabric-link-heartbeat-packets-received
  </swfabric-link-heartbeat-packets-received>
  <swfabric-probe-recv-errors>
    swfabric-probe-recv-errors
  </swfabric-probe-recv-errors>
  <swfabric-probe-send-errors>
    swfabric-probe-send-errors
  </swfabric-probe-send-errors>
</chassis-cluster-swfabric>
```

#### Description

### <chassis-cluster-swfabric>

#### Usage

```
<chassis-cluster-ethernet-switching-statistics>
  <chassis-cluster-swfabric>
    <swfabric-probe-state>
      swfabric-probe-state
    </swfabric-probe-state>
    <swfabric-link-heartbeat-packets-sent>
      swfabric-link-heartbeat-packets-sent
    </swfabric-link-heartbeat-packets-sent>
    <swfabric-link-heartbeat-packets-received>
      swfabric-link-heartbeat-packets-received
    </swfabric-link-heartbeat-packets-received>
    <swfabric-probe-recv-errors>
      swfabric-probe-recv-errors
    </swfabric-probe-recv-errors>
    <swfabric-probe-send-errors>
      swfabric-probe-send-errors
    </swfabric-probe-send-errors>
  </chassis-cluster-swfabric>
```

```
</chassis-cluster-ethernet-switching-statistics>
```

#### Description

#### <chassis-cluster-swfabric-statistics>

##### Usage

```
<chassis-cluster-information>
  <chassis-cluster-internal-statistics>
    <chassis-cluster-swfabric-statistics>
      <swfabric-probe-state>
        swfabric-probe-state
      </swfabric-probe-state>
      <swfabric-link-heartbeat-packets-sent>
        swfabric-link-heartbeat-packets-sent
      </swfabric-link-heartbeat-packets-sent>
      <swfabric-link-heartbeat-packets-received>
        swfabric-link-heartbeat-packets-received
      </swfabric-link-heartbeat-packets-received>
      <swfabric-probe-recv-errors>
        swfabric-probe-recv-errors
      </swfabric-probe-recv-errors>
      <swfabric-probe-send-errors>
        swfabric-probe-send-errors
      </swfabric-probe-send-errors>
      <swfabric-probe-recv-dropped>
        swfabric-probe-recv-dropped
      </swfabric-probe-recv-dropped>
      <swfabric-last-probe-id-sent>
        swfabric-last-probe-id-sent
      </swfabric-last-probe-id-sent>
      <swfabric-last-probe-id-rcvd>
        swfabric-last-probe-id-rcvd
      </swfabric-last-probe-id-rcvd>
    </chassis-cluster-swfabric-statistics>
  </chassis-cluster-internal-statistics>
</chassis-cluster-information>
```

#### Description

#### <clear-chassis-cluster-information>

##### Usage

```
<clear-chassis-cluster-information>
  <chassis-cluster-information-type>
    chassis-cluster-information-type
  </chassis-cluster-information-type>
</clear-chassis-cluster-information>
```

**Description** Clear chassis cluster information

### <clear-chassis-cluster-statistics>

#### Usage

```
<clear-chassis-cluster-statistics>
  <chassis-cluster-statistics-type>
    chassis-cluster-statistics-type
  </chassis-cluster-statistics-type>
</clear-chassis-cluster-statistics>
```

**Description** Clear chassis cluster statistics

### <cold-synchronization-events>

#### Usage

```
<cold-synchronization-monitoring-information>
  <cold-synchronization-events>
    <cold-synchronization-event>
      cold-synchronization-event
    </cold-synchronization-event>
  </cold-synchronization-events>
</cold-synchronization-monitoring-information>
```

**Description** List of cold synchronization events

### <cold-synchronization-events>

#### Usage

```
<chassis-cluster-information>
  <cold-synchronization-monitoring-information>
    <cold-synchronization-events>
      <cold-synchronization-event>
        cold-synchronization-event
      </cold-synchronization-event>
    </cold-synchronization-events>
  </cold-synchronization-monitoring-information>
</chassis-cluster-information>
```

**Description** List of cold synchronization events

### <cold-synchronization-monitoring-information>

#### Usage

```
<cold-synchronization-monitoring-information>

<cold-synchronization-status-information>....</cold-synchronization-status-information>

  <cold-synchronization-statistics>....</cold-synchronization-statistics>
  <cold-synchronization-events>....</cold-synchronization-events>
</cold-synchronization-monitoring-information>
```

**Description** Cold sync monitoring related information

### <cold-synchronization-monitoring-information>

#### Usage

```
<chassis-cluster-information>
  <cold-synchronization-monitoring-information>

  <cold-synchronization-status-information>....</cold-synchronization-status-information>

  <cold-synchronization-statistics>....</cold-synchronization-statistics>
  <cold-synchronization-events>....</cold-synchronization-events>
</cold-synchronization-monitoring-information>
</chassis-cluster-information>
```

**Description** Cold sync monitoring related information

### <cold-synchronization-pfe-statistics>

#### Usage

```
<cold-synchronization-monitoring-information>
  <cold-synchronization-statistics>
    <cold-synchronization-pfe-statistics>
      <pfe-name>
        pfe-name
      </pfe-name>
      <cold-synchronization-pfe-completed>
        cold-synchronization-pfe-completed
      </cold-synchronization-pfe-completed>
      <cold-synchronization-pfe-failed>
        cold-synchronization-pfe-failed
      </cold-synchronization-pfe-failed>
    </cold-synchronization-pfe-statistics>
  </cold-synchronization-statistics>
</cold-synchronization-monitoring-information>
```

**Description** Cold synchroniizaton statistics for each PFE

### <cold-synchronization-pfe-statistics>

#### Usage

```
<chassis-cluster-information>
  <cold-synchronization-monitoring-information>
    <cold-synchronization-statistics>
      <cold-synchronization-pfe-statistics>
        <pfe-name>
          pfe-name
        </pfe-name>
        <cold-synchronization-pfe-completed>
          cold-synchronization-pfe-completed
        </cold-synchronization-pfe-completed>
        <cold-synchronization-pfe-failed>
```

```
    cold-synchronization-pfe-failed
  </cold-synchronization-pfe-failed>
</cold-synchronization-pfe-statistics>
</cold-synchronization-statistics>
</cold-synchronization-monitoring-information>
</chassis-cluster-information>
```

**Description** Cold synchroniizaton statistics for each PFE

### <cold-synchronization-statistics>

#### Usage

```
<cold-synchronization-monitoring-information>
  <cold-synchronization-statistics>
    <current-cold-synchronization-completed>
      current-cold-synchronization-completed
    </current-cold-synchronization-completed>
    <current-cold-synchronization-failed>
      current-cold-synchronization-failed
    </current-cold-synchronization-failed>
    <cold-synchronization-pfe-statistics>....</cold-synchronization-pfe-statistics>
  </cold-synchronization-statistics>
</cold-synchronization-monitoring-information>
```

**Description** Cold synchronization statistics

### <cold-synchronization-statistics>

#### Usage

```
<chassis-cluster-information>
  <cold-synchronization-monitoring-information>
    <cold-synchronization-statistics>
      <current-cold-synchronization-completed>
        current-cold-synchronization-completed
      </current-cold-synchronization-completed>
      <current-cold-synchronization-failed>
        current-cold-synchronization-failed
      </current-cold-synchronization-failed>
      <cold-synchronization-pfe-statistics>....</cold-synchronization-pfe-statistics>
    </cold-synchronization-statistics>
  </cold-synchronization-monitoring-information>
</chassis-cluster-information>
```

**Description** Cold synchronization statistics

### <cold-synchronization-status-information>

#### Usage

```
<cold-synchronization-monitoring-information>
  <cold-synchronization-status-information>
```

```

<cold-synchronization-completed>
  cold-synchronization-completed
</cold-synchronization-completed>
<cold-synchronization-not-completed>
  cold-synchronization-not-completed
</cold-synchronization-not-completed>
<cold-synchronization-unknown>
  cold-synchronization-unknown
</cold-synchronization-unknown>
<cold-synchronization-weight>
  cold-synchronization-weight
</cold-synchronization-weight>
</cold-synchronization-status-information>
</cold-synchronization-monitoring-information>

```

**Description** Cold synchronization related status information

### <cold-synchronization-status-information>

#### Usage

```

<chassis-cluster-information>
  <cold-synchronization-monitoring-information>
    <cold-synchronization-status-information>
      <cold-synchronization-completed>
        cold-synchronization-completed
      </cold-synchronization-completed>
      <cold-synchronization-not-completed>
        cold-synchronization-not-completed
      </cold-synchronization-not-completed>
      <cold-synchronization-unknown>
        cold-synchronization-unknown
      </cold-synchronization-unknown>
      <cold-synchronization-weight>
        cold-synchronization-weight
      </cold-synchronization-weight>
    </cold-synchronization-status-information>
  </cold-synchronization-monitoring-information>
</chassis-cluster-information>

```

**Description** Cold synchronization related status information

### <control-information>

#### Usage

```

<chassis-cluster-interface-statistics>
  <control-link-interfaces>
    <control-information>
      <control-link-interface-index>
        control-link-interface-index
      </control-link-interface-index>
      <control-link-interface-name>
        control-link-interface-name
    </control-information>
  </control-link-interfaces>
</chassis-cluster-interface-statistics>

```

```
</control-link-interface-name>
<control-link-interface-status>
  control-link-interface-status
</control-link-interface-status>
</control-information>
</control-link-interfaces>
</chassis-cluster-interface-statistics>
```

**Description****<control-link-events>****Usage**

```
<control-link-information>
  <control-link-events>
    <control-link-event>
      control-link-event
    </control-link-event>
  </control-link-events>
</control-link-information>
```

**Description** List of control link events

**<control-link-events>****Usage**

```
<chassis-cluster-information>
  <control-link-information>
    <control-link-events>
      <control-link-event>
        control-link-event
      </control-link-event>
    </control-link-events>
  </control-link-information>
</chassis-cluster-information>
```

**Description** List of control link events

**<control-link-hb-events>****Usage**

```
<control-link-information>
  <control-link-hb-events>
    <control-link-hb-event>
      control-link-hb-event
    </control-link-hb-event>
  </control-link-hb-events>
</control-link-information>
```

**Description** List of control link monitoring heartbeat and jitter events



### <control-link-hb-events>

#### Usage

```
<chassis-cluster-information>
  <control-link-information>
    <control-link-hb-events>
      <control-link-hb-event>
        control-link-hb-event
      </control-link-hb-event>
    </control-link-hb-events>
  </control-link-information>
</chassis-cluster-information>
```

**Description** List of control link monitoring heartbeat and jitter events

### <control-link-information>

#### Usage

```
<control-link-information>
  <control-interface-status>
    control-interface-status
  </control-interface-status>
  <control-link-events>....</control-link-events>
  <control-link-hb-events>....</control-link-hb-events>
</control-link-information>
```

**Description** Displays complete control link information for debugging purposes

### <control-link-information>

#### Usage

```
<chassis-cluster-information>
  <control-link-information>
    <control-interface-status>
      control-interface-status
    </control-interface-status>
    <control-link-events>....</control-link-events>
    <control-link-hb-events>....</control-link-hb-events>
  </control-link-information>
</chassis-cluster-information>
```

**Description** Displays complete control link information for debugging purposes

### <control-link-interfaces>

#### Usage

```
<chassis-cluster-interface-statistics>
  <control-link-interfaces>
    <control-information>....</control-information>
  </control-link-interfaces>
```

</chassis-cluster-interface-statistics>

#### Description

### <control-link-vlan-information>

#### Usage

```
<chassis-cluster-information>
  <control-link-vlan-information>
    <control-link-vlan-status>
      control-link-vlan-status
    </control-link-vlan-status>
  </control-link-vlan-information>
</chassis-cluster-information>
```

**Description** Control port traffic tagging with vlan(4094) enabled or disabled

### <dataplane-interfaces>

#### Usage

```
<chassis-cluster-interface-statistics>
  <dataplane-interfaces>
    <fabric-information>....</fabric-information>
  </dataplane-interfaces>
</chassis-cluster-interface-statistics>
```

#### Description

### <fabric-information>

#### Usage

```
<chassis-cluster-interface-statistics>
  <dataplane-interfaces>
    <fabric-information>
      <fabric-interface-index>
        fabric-interface-index
      </fabric-interface-index>
      <fabric-child-interface-name>
        fabric-child-interface-name
      </fabric-child-interface-name>
      <fabric-child-interface-status>
        fabric-child-interface-status
      </fabric-child-interface-status>
    </fabric-information>
  </dataplane-interfaces>
</chassis-cluster-interface-statistics>
```

#### Description

**<fabric-information>****Usage**

```

<chassis-cluster-dataplane-interfaces>
  <fabric-information>
    <fabric-interface-index>
      fabric-interface-index
    </fabric-interface-index>
    <fabric-child-interface-name>
      fabric-child-interface-name
    </fabric-child-interface-name>
    <fabric-child-interface-status>
      fabric-child-interface-status
    </fabric-child-interface-status>
  </fabric-information>
</chassis-cluster-dataplane-interfaces>

```

**Description****<fabric-link-events>****Usage**

```

<fabric-link-information>
  <fabric-link-events>
    <fabric-link-event>
      fabric-link-event
    </fabric-link-event>
  </fabric-link-events>
</fabric-link-information>

```

**Description** List of fabric link events**<fabric-link-events>****Usage**

```

<chassis-cluster-information>
  <fabric-link-information>
    <fabric-link-events>
      <fabric-link-event>
        fabric-link-event
      </fabric-link-event>
    </fabric-link-events>
  </fabric-link-information>
</chassis-cluster-information>

```

**Description** List of fabric link events**<fabric-link-hb-events>****Usage**

```

<fabric-link-information>

```

```
<fabric-link-hb-events>
  <fabric-link-hb-event>
    fabric-link-hb-event
  </fabric-link-hb-event>
</fabric-link-hb-events>
</fabric-link-information>
```

**Description** List of fabric link heartbeat and jitter events

### <fabric-link-hb-events>

#### Usage

```
<chassis-cluster-information>
  <fabric-link-information>
    <fabric-link-hb-events>
      <fabric-link-hb-event>
        fabric-link-hb-event
      </fabric-link-hb-event>
    </fabric-link-hb-events>
  </fabric-link-information>
</chassis-cluster-information>
```

**Description** List of fabric link heartbeat and jitter events

### <fabric-link-information>

#### Usage

```
<fabric-link-information>
  <fabric-monitoring-information>....</fabric-monitoring-information>
  <fabric-link-events>....</fabric-link-events>
  <fabric-link-hb-events>....</fabric-link-hb-events>
</fabric-link-information>
```

**Description** Displays complete fabric link information for debugging purposes

### <fabric-link-information>

#### Usage

```
<chassis-cluster-information>
  <fabric-link-information>
    <fabric-monitoring-information>....</fabric-monitoring-information>
    <fabric-link-events>....</fabric-link-events>
    <fabric-link-hb-events>....</fabric-link-hb-events>
  </fabric-link-information>
</chassis-cluster-information>
```

**Description** Displays complete fabric link information for debugging purposes

### <fabric-monitoring-information>

**Usage**

```
<fabric-monitoring-information>
  <fabric-monitoring-status>....</fabric-monitoring-status>
</fabric-monitoring-information>
```

**Description** Fabric monitoring related information

### <fabric-monitoring-information>

**Usage**

```
<fabric-link-information>
  <fabric-monitoring-information>
    <fabric-monitoring-status>....</fabric-monitoring-status>
  </fabric-monitoring-information>
</fabric-link-information>
```

**Description** Fabric monitoring related information

### <fabric-monitoring-information>

**Usage**

```
<chassis-cluster-information>
  <fabric-link-information>
    <fabric-monitoring-information>
      <fabric-monitoring-status>....</fabric-monitoring-status>
    </fabric-monitoring-information>
  </fabric-link-information>
</chassis-cluster-information>
```

**Description** Fabric monitoring related information

### <fabric-monitoring-status>

**Usage**

```
<fabric-monitoring-information>
  <fabric-monitoring-status>
    <fabric-monitoring-state>
      fabric-monitoring-state
    </fabric-monitoring-state>
    <fabric-monitoring-activation-status>
      fabric-monitoring-activation-status
    </fabric-monitoring-activation-status>
  </fabric-monitoring-status>
</fabric-monitoring-information>
```

**Description** Fabric monitoring status

## <fabric-monitoring-status>

### Usage

```
<fabric-link-information>
  <fabric-monitoring-information>
    <fabric-monitoring-status>
      <fabric-monitoring-state>
        fabric-monitoring-state
      </fabric-monitoring-state>
      <fabric-monitoring-activation-status>
        fabric-monitoring-activation-status
      </fabric-monitoring-activation-status>
    </fabric-monitoring-status>
  </fabric-monitoring-information>
</fabric-link-information>
```

**Description** Fabric monitoring status

## <fabric-monitoring-status>

### Usage

```
<chassis-cluster-information>
  <fabric-link-information>
    <fabric-monitoring-information>
      <fabric-monitoring-status>
        <fabric-monitoring-state>
          fabric-monitoring-state
        </fabric-monitoring-state>
        <fabric-monitoring-activation-status>
          fabric-monitoring-activation-status
        </fabric-monitoring-activation-status>
      </fabric-monitoring-status>
    </fabric-monitoring-information>
  </fabric-link-information>
</chassis-cluster-information>
```

**Description** Fabric monitoring status

## <hardware-monitoring-events>

### Usage

```
<hardware-monitoring-information>
  <hardware-monitoring-events>
    <hardware-monitoring-event>
      hardware-monitoring-event
    </hardware-monitoring-event>
  </hardware-monitoring-events>
</hardware-monitoring-information>
```

**Description** List of hardware monitoring events

### <hardware-monitoring-events>

#### Usage

```
<chassis-cluster-information>
  <hardware-monitoring-information>
    <hardware-monitoring-events>
      <hardware-monitoring-event>
        hardware-monitoring-event
      </hardware-monitoring-event>
    </hardware-monitoring-events>
  </hardware-monitoring-information>
</chassis-cluster-information>
```

**Description** List of hardware monitoring events

### <hardware-monitoring-information>

#### Usage

```
<hardware-monitoring-information>

<hardware-monitoring-status-information>....</hardware-monitoring-status-information>

  <hardware-monitoring-events>....</hardware-monitoring-events>
</hardware-monitoring-information>
```

**Description** Displays complete hardware monitoring information for debugging purposes

### <hardware-monitoring-information>

#### Usage

```
<chassis-cluster-information>
  <hardware-monitoring-information>

    <hardware-monitoring-status-information>....</hardware-monitoring-status-information>

      <hardware-monitoring-events>....</hardware-monitoring-events>
    </hardware-monitoring-information>
  </chassis-cluster-information>
```

**Description** Displays complete hardware monitoring information for debugging purposes

### <hardware-monitoring-status-information>

#### Usage

```
<hardware-monitoring-information>
  <hardware-monitoring-status-information>
    <hardware-monitoring-activation-status>
      hardware-monitoring-activation-status
    </hardware-monitoring-activation-status>
  <hardware-monitoring-rg0-errors>
```

```
    hardware-monitoring-rg0-errors
  </hardware-monitoring-rg0-errors>
  <hardware-monitoring-rg1-errors>
    hardware-monitoring-rg1-errors
  </hardware-monitoring-rg1-errors>
  <hardware-monitoring-rg0-failover>
    hardware-monitoring-rg0-failover
  </hardware-monitoring-rg0-failover>
</hardware-monitoring-status-information>
</hardware-monitoring-information>
```

#### Description

### <hardware-monitoring-status-information>

#### Usage

```
<chassis-cluster-information>
  <hardware-monitoring-information>
    <hardware-monitoring-status-information>
      <hardware-monitoring-activation-status>
        hardware-monitoring-activation-status
      </hardware-monitoring-activation-status>
      <hardware-monitoring-rg0-errors>
        hardware-monitoring-rg0-errors
      </hardware-monitoring-rg0-errors>
      <hardware-monitoring-rg1-errors>
        hardware-monitoring-rg1-errors
      </hardware-monitoring-rg1-errors>
      <hardware-monitoring-rg0-failover>
        hardware-monitoring-rg0-failover
      </hardware-monitoring-rg0-failover>
    </hardware-monitoring-status-information>
  </hardware-monitoring-information>
</chassis-cluster-information>
```

#### Description

### <interface-monitoring>

#### Usage

```
<chassis-cluster-interface-statistics>
  <interface-monitoring>
    <weight>
      weight
    </weight>
    <status>
      status
    </status>
    <interface-name-for-monitoring>
      interface-name-for-monitoring
    </interface-name-for-monitoring>
    <redundancy-group-for-interface>
      redundancy-group-for-interface
    </redundancy-group-for-interface>
```



```

</interface-monitoring>
</chassis-cluster-interface-statistics>

```

#### Description

### <interface-monitoring-events>

#### Usage

```

<interface-monitoring-information>
  <interface-monitoring-events>
    <interface-monitoring-event>
      interface-monitoring-event
    </interface-monitoring-event>
  </interface-monitoring-events>
</interface-monitoring-information>

```

**Description** List of interface monitoring events

### <interface-monitoring-events>

#### Usage

```

<chassis-cluster-information>
  <interface-monitoring-information>
    <interface-monitoring-events>
      <interface-monitoring-event>
        interface-monitoring-event
      </interface-monitoring-event>
    </interface-monitoring-events>
  </interface-monitoring-information>
</chassis-cluster-information>

```

**Description** List of interface monitoring events

### <interface-monitoring-information>

#### Usage

```

<interface-monitoring-information>
  <interface-monitoring-statistics>....</interface-monitoring-statistics>
  <interface-monitoring-events>....</interface-monitoring-events>
</interface-monitoring-information>

```

**Description** Interface monitoring related information

### <interface-monitoring-information>

#### Usage

```

<chassis-cluster-information>
  <interface-monitoring-information>
    <interface-monitoring-statistics>....</interface-monitoring-statistics>
    <interface-monitoring-events>....</interface-monitoring-events>
  </interface-monitoring-information>

```

```
</interface-monitoring-information>
</chassis-cluster-information>
```

**Description** Interface monitoring related information

### <interface-monitoring-statistics>

#### Usage

```
<interface-monitoring-information>
  <interface-monitoring-statistics>
    <monitored-interface-failover-count>
      monitored-interface-failover-count
    </monitored-interface-failover-count>
  </interface-monitoring-statistics>
</interface-monitoring-information>
```

**Description** Interface monitoring related statistics

### <interface-monitoring-statistics>

#### Usage

```
<chassis-cluster-information>
  <interface-monitoring-information>
    <interface-monitoring-statistics>
      <monitored-interface-failover-count>
        monitored-interface-failover-count
      </monitored-interface-failover-count>
    </interface-monitoring-statistics>
  </interface-monitoring-information>
</chassis-cluster-information>
```

**Description** Interface monitoring related statistics

### <loopback-information>

#### Usage

```
<loopback-information>
  <pfe-name>
    pfe-name
  </pfe-name>
  <loopback-status>
    loopback-status
  </loopback-status>
  <nexthop-status>
    nexthop-status
  </nexthop-status>
  <mbuf-status>
    mbuf-status
  </mbuf-status>
</loopback-information>
```

**Description** Loopback information

### <loopback-information>

#### Usage

```
<chassis-cluster-information>
  <loopback-information>
    <pfe-name>
      pfe-name
    </pfe-name>
    <loopback-status>
      loopback-status
    </loopback-status>
    <nexthop-status>
      nexthop-status
    </nexthop-status>
    <mbuf-status>
      mbuf-status
    </mbuf-status>
  </loopback-information>
</chassis-cluster-information>
```

**Description** Loopback information

### <redundancy-group-information>

#### Usage

```
<redundancy-group-information-list>
  <redundancy-group-information>
    <redundancy-group-id>
      redundancy-group-id
    </redundancy-group-id>

    <redundancy-group-monitoring-information>....</redundancy-group-monitoring-information>

    <redundancy-group-state-transition-events>....</redundancy-group-state-transition-events>

  </redundancy-group-information>
</redundancy-group-information-list>
```

**Description** Redundancy group related information

### <redundancy-group-information>

#### Usage

```
<chassis-cluster-information>
  <redundancy-group-information-list>
    <redundancy-group-information>
      <redundancy-group-id>
        redundancy-group-id
      </redundancy-group-id>
```

```
<redundancy-group-monitoring-information>....</redundancy-group-monitoring-information>
```

```
<redundancy-group-state-transition-events>....</redundancy-group-state-transition-events>
```

```
    </redundancy-group-information>
  </redundancy-group-information-list>
</chassis-cluster-information>
```

**Description** Redundancy group related information

### <redundancy-group-information-list>

#### Usage

```
<redundancy-group-information-list>
  <redundancy-group-information>....</redundancy-group-information>
</redundancy-group-information-list>
```

#### Description

### <redundancy-group-information-list>

#### Usage

```
<chassis-cluster-information>
  <redundancy-group-information-list>
    <redundancy-group-information>....</redundancy-group-information>
  </redundancy-group-information-list>
</chassis-cluster-information>
```

#### Description

### <redundancy-group-monitoring-information>

#### Usage

```
<redundancy-group-information-list>
  <redundancy-group-information>
    <redundancy-group-monitoring-information>
      <monitoring-failure-string>
        monitoring-failure-string
      </monitoring-failure-string>
      <redundancy-group-threshold>
        redundancy-group-threshold
      </redundancy-group-threshold>
    </redundancy-group-monitoring-information>
  </redundancy-group-information>
</redundancy-group-information-list>
```

#### Description

**<redundancy-group-monitoring-information>****Usage**

```

<chassis-cluster-information>
  <redundancy-group-information-list>
    <redundancy-group-information>
      <redundancy-group-monitoring-information>
        <monitoring-failure-string>
          monitoring-failure-string
        </monitoring-failure-string>
        <redundancy-group-threshold>
          redundancy-group-threshold
        </redundancy-group-threshold>
      </redundancy-group-monitoring-information>
    </redundancy-group-information>
  </redundancy-group-information-list>
</chassis-cluster-information>

```

**Description****<redundancy-group-state-transition-events>****Usage**

```

<redundancy-group-information-list>
  <redundancy-group-information>
    <redundancy-group-state-transition-events>
      <redundancy-group-state-transition-event>
        redundancy-group-state-transition-event
      </redundancy-group-state-transition-event>
    </redundancy-group-state-transition-events>
  </redundancy-group-information>
</redundancy-group-information-list>

```

**Description** Redundancy group state transition details**<redundancy-group-state-transition-events>****Usage**

```

<chassis-cluster-information>
  <redundancy-group-information-list>
    <redundancy-group-information>
      <redundancy-group-state-transition-events>
        <redundancy-group-state-transition-event>
          redundancy-group-state-transition-event
        </redundancy-group-state-transition-event>
      </redundancy-group-state-transition-events>
    </redundancy-group-information>
  </redundancy-group-information-list>
</chassis-cluster-information>

```

**Description** Redundancy group state transition details

## <reth>

### Usage

```
<chassis-cluster-interface-statistics>
  <reth>
    <reth-name>
      reth-name
    </reth-name>
    <reth-status>
      reth-status
    </reth-status>
    <redundancy-group-id-for-reth>
      redundancy-group-id-for-reth
    </redundancy-group-id-for-reth>
  </reth>
</chassis-cluster-interface-statistics>
```

### Description

## <services-synchronized>

### Usage

```
<services-synchronized>
  <service-name>
    service-name
  </service-name>
  <rtos-sent>
    rtos-sent
  </rtos-sent>
  <rtos-received>
    rtos-received
  </rtos-received>
</services-synchronized>
```

### Description

## <spu-monitoring-events>

### Usage

```
<spu-monitoring-information>
  <spu-monitoring-events>
    <spu-monitoring-event>
      spu-monitoring-event
    </spu-monitoring-event>
  </spu-monitoring-events>
</spu-monitoring-information>
```

**Description** List of SPU monitoring events

### <spu-monitoring-events>

#### Usage

```
<chassis-cluster-information>
  <spu-monitoring-information>
    <spu-monitoring-events>
      <spu-monitoring-event>
        spu-monitoring-event
      </spu-monitoring-event>
    </spu-monitoring-events>
  </spu-monitoring-information>
</chassis-cluster-information>
```

**Description** List of SPU monitoring events

### <spu-monitoring-information>

#### Usage

```
<spu-monitoring-information>
  <spu-monitoring-status>....</spu-monitoring-status>
  <spu-monitoring-statistics>....</spu-monitoring-statistics>
  <spu-monitoring-events>....</spu-monitoring-events>
</spu-monitoring-information>
```

**Description** SPU monitoring related information

### <spu-monitoring-information>

#### Usage

```
<chassis-cluster-information>
  <spu-monitoring-information>
    <spu-monitoring-status>....</spu-monitoring-status>
    <spu-monitoring-statistics>....</spu-monitoring-statistics>
    <spu-monitoring-events>....</spu-monitoring-events>
  </spu-monitoring-information>
</chassis-cluster-information>
```

**Description** SPU monitoring related information

### <spu-monitoring-spu-state>

#### Usage

```
<spu-monitoring-information>
  <spu-monitoring-status>
    <spu-monitoring-spu-state>
      <pfe-name>
        pfe-name
      </pfe-name>
      <pic-state>
        pic-state
      </pic-state>
    </spu-monitoring-spu-state>
  </spu-monitoring-status>
</spu-monitoring-information>
```

```
</pic-state>
</spu-monitoring-spu-state>
</spu-monitoring-status>
</spu-monitoring-information>
```

**Description** Each SPU current state

### <spu-monitoring-spu-state>

#### Usage

```
<chassis-cluster-information>
  <spu-monitoring-information>
    <spu-monitoring-status>
      <spu-monitoring-spu-state>
        <pfe-name>
          pfe-name
        </pfe-name>
        <pic-state>
          pic-state
        </pic-state>
      </spu-monitoring-spu-state>
    </spu-monitoring-status>
  </spu-monitoring-information>
</chassis-cluster-information>
```

**Description** Each SPU current state

### <spu-monitoring-statistics>

#### Usage

```
<spu-monitoring-information>
  <spu-monitoring-statistics>
    <spu-up-count>
      spu-up-count
    </spu-up-count>
    <spu-down-count>
      spu-down-count
    </spu-down-count>
    <npc-up-count>
      npc-up-count
    </npc-up-count>
    <npc-down-count>
      npc-down-count
    </npc-down-count>
    <chinfo-blob-error-count>
      chinfo-blob-error-count
    </chinfo-blob-error-count>
  </spu-monitoring-statistics>
</spu-monitoring-information>
```

**Description** Detailed statistics of SPU monitoring



**<spu-monitoring-statistics>****Usage**

```

<chassis-cluster-information>
  <spu-monitoring-information>
    <spu-monitoring-statistics>
      <spu-up-count>
        spu-up-count
      </spu-up-count>
      <spu-down-count>
        spu-down-count
      </spu-down-count>
      <npc-up-count>
        npc-up-count
      </npc-up-count>
      <npc-down-count>
        npc-down-count
      </npc-down-count>
      <chinfo-blob-error-count>
        chinfo-blob-error-count
      </chinfo-blob-error-count>
    </spu-monitoring-statistics>
  </spu-monitoring-information>
</chassis-cluster-information>

```

**Description** Detailed statistics of SPU monitoring

**<spu-monitoring-status>****Usage**

```

<spu-monitoring-information>
  <spu-monitoring-status>
    <spu-monitoring-state>
      spu-monitoring-state
    </spu-monitoring-state>
    <spu-monitoring-weight>
      spu-monitoring-weight
    </spu-monitoring-weight>
    <spu-monitoring-spu-state>....</spu-monitoring-spu-state>
  </spu-monitoring-status>
</spu-monitoring-information>

```

**Description** SPU monitoring related status information

**<spu-monitoring-status>****Usage**

```

<chassis-cluster-information>
  <spu-monitoring-information>
    <spu-monitoring-status>
      <spu-monitoring-state>
        spu-monitoring-state
      </spu-monitoring-state>
    </spu-monitoring-status>
  </spu-monitoring-information>
</chassis-cluster-information>

```

```
</spu-monitoring-state>
<spu-monitoring-weight>
  spu-monitoring-weight
</spu-monitoring-weight>
<spu-monitoring-spu-state>....</spu-monitoring-spu-state>
</spu-monitoring-status>
</spu-monitoring-information>
</chassis-cluster-information>
```

**Description** SPU monitoring related status information

### <swfabric-information>

#### Usage

```
<chassis-cluster-ethernet-switching-interfaces>
<swfabric-information>
<swfab-child-interface-name>
  swfab-child-interface-name
</swfab-child-interface-name>
<swfab-child-interface-status>
  swfab-child-interface-status
</swfab-child-interface-status>
</swfabric-information>
</chassis-cluster-ethernet-switching-interfaces>
```

**Description**

---

## Summary of Logical Systems Response Tags

### <lsys-lic-status>

#### Usage

```
<show-lsys-lic-status>
<lsys-lic-status>
<lsys-name>
  lsys-name
</lsys-name>
<lic-status>
  lic-status
</lic-status>
</lsys-lic-status>
</show-lsys-lic-status>
```

**Description**

### <show-lsys-lic-status>

#### Usage

```
<show-lsys-lic-status>
<lsys-lic-status>....</lsys-lic-status>
</show-lsys-lic-status>
```

**Description** License status for each logical system

## Summary of DNS Proxy Response Tags

---

### <dns-proxy>

#### Usage

```
<dns-proxy-information>
<dns-proxy>
  <status>
    status
  </status>
  <queries-received>
    queries-received
  </queries-received>
  <responses-sent>
    responses-sent
  </responses-sent>
  <queries-forwarded>
    queries-forwarded
  </queries-forwarded>
  <negative-responses>
    negative-responses
  </negative-responses>
  <retries>
    retries
  </retries>
  <pending-requests>
    pending-requests
  </pending-requests>
  <server-failures>
    server-failures
  </server-failures>
  <cache-entries>
    cache-entries
  </cache-entries>
  <interfaces>....</interfaces>
</dns-proxy>
</dns-proxy-information>
```

**Description** Information DNS proxy status and statistics

### <dns-proxy-cache-entry>

#### Usage

```
<dns-proxy-cache-information>
<dns-proxy-cache-entry>
  <hostname>
    hostname
  </hostname>
  <host-address>
    host-address
  </host-address>
```

```
<ttl>
  ttl
</ttl>
<entry-type>
  entry-type
</entry-type>
<class>
  class
</class>
</dns-proxy-cache-entry>
</dns-proxy-cache-information>
```

**Description** Information DNS proxy status and statistics

### <dns-proxy-cache-information>

#### Usage

```
<dns-proxy-cache-information>
  <dns-proxy-cache-entry>....</dns-proxy-cache-entry>
</dns-proxy-cache-information>
```

**Description** Information about DNS proxy cache

### <dns-proxy-information>

#### Usage

```
<dns-proxy-information>
  <dns-proxy>....</dns-proxy>
</dns-proxy-information>
```

**Description** Information about DNS proxy

### <dynamic-dns-client>

#### Usage

```
<dynamic-dns-client-information>
  <dynamic-dns-client>
    <internal-hostname>
      internal-hostname
    </internal-hostname>
    <server>
      server
    </server>
    <last-response>
      last-response
    </last-response>
    <last-update-time>
      last-update-time
    </last-update-time>
    <interface>
      interface
```

```

</interface>
<user-name>
  user-name
</user-name>
<agent>
  agent
</agent>
</dynamic-dns-client>
</dynamic-dns-client-information>

```

**Description** Information about a Dynamic DNS client status

### <dynamic-dns-client-information>

#### Usage

```

<dynamic-dns-client-information>
<dynamic-dns-client>....</dynamic-dns-client>
</dynamic-dns-client-information>

```

**Description** Information about one or more Dynamic DNS clients status

### <interfaces>

#### Usage

```

<interfaces>
<interface>
  interface
</interface>
</interfaces>

```

**Description** Interfaces configured

### <interfaces>

#### Usage

```

<dns-proxy-information>
<dns-proxy>
  <interfaces>
    <interface>
      interface
    </interface>
  </interfaces>
</dns-proxy>
</dns-proxy-information>

```

**Description** Interfaces configured

## Summary of NAT Response Tags

---

### <destination-address-range-entry>

#### Usage

```
<source-nat-rule-detail-information>
  <source-nat-rule-entry>
    <destination-address-range-entry>
      <rule-destination-address>
        rule-destination-address
      </rule-destination-address>
      <rule-destination-address-low-range>
        rule-destination-address-low-range
      </rule-destination-address-low-range>
      <rule-destination-address-high-range>
        rule-destination-address-high-range
      </rule-destination-address-high-range>
    </destination-address-range-entry>
  </source-nat-rule-entry>
</source-nat-rule-detail-information>
```

**Description** The destination address range

### <destination-nat-entry>

#### Usage

```
<destination-nat-summary-information>
  <destination-nat-entry>
    <destination-nat-pool-name>
      destination-nat-pool-name
    </destination-nat-pool-name>
    <destination-address-range>
      destination-address-range
    </destination-address-range>
    <destination-port-number>
      destination-port-number
    </destination-port-number>
  </destination-nat-entry>
</destination-nat-summary-information>
```

**Description** Information about a destination NAT entry

### <destination-nat-pool-entry>

#### Usage

```
<destination-nat-pool-information>
  <destination-nat-pool-entry>
    <pool-name>
      pool-name
    </pool-name>
    <pool-id>
```

```

    pool-id
  </pool-id>
  <routing-instance-name>
    routing-instance-name
  </routing-instance-name>
  <total-pool-address>
    total-pool-address
  </total-pool-address>
  <address-pool-hits>
    address-pool-hits
  </address-pool-hits>
  <pool-address-range>....</pool-address-range>
</destination-nat-pool-entry>
</destination-nat-pool-information>

```

**Description** Information on the destination-nat pool

### <destination-nat-pool-information>

#### Usage

```

<destination-nat-pool-information>
  <total-destination-nat-pool-number>....</total-destination-nat-pool-number>
  <logical-system-name>
    logical-system-name
  </logical-system-name>
  <destination-nat-pool-entry>....</destination-nat-pool-entry>
</destination-nat-pool-information>

```

**Description** Show destination-nat address pool information

### <destination-nat-rule-entry>

#### Usage

```

<destination-nat-rule-information>
  <destination-nat-rule-entry>
    <rule-name>
      rule-name
    </rule-name>
    <rule-set-name>
      rule-set-name
    </rule-set-name>
    <rule-id>
      rule-id
    </rule-id>
    <rule-matching-position>
      rule-matching-position
    </rule-matching-position>
    <rule-from-context>
      rule-from-context
    </rule-from-context>
    <rule-from-context-name>
      rule-from-context-name

```

```
</rule-from-context-name>
<rule-source-address-range-entry>....</rule-source-address-range-entry>
<rule-destination-address-range-entry>....</rule-destination-address-range-entry>

<destination-port>
  destination-port
</destination-port>
<dst-nat-protocol-entry>....</dst-nat-protocol-entry>
<destination-nat-rule-action>
  destination-nat-rule-action
</destination-nat-rule-action>
<address-pool-hits>
  address-pool-hits
</address-pool-hits>
</destination-nat-rule-entry>
</destination-nat-rule-information>
```

**Description** Information on the destination-nat rule

### <destination-nat-rule-information>

#### Usage

```
<destination-nat-rule-information>
  <total-destination-nat-rules>....</total-destination-nat-rules>

  <total-destination-nat-rule-ref-addr-num>....</total-destination-nat-rule-ref-addr-num>

  <logical-system-name>
    logical-system-name
  </logical-system-name>
  <destination-nat-rule-entry>....</destination-nat-rule-entry>
</destination-nat-rule-information>
```

**Description** Show destination-nat rule information

### <destination-nat-summary-information>

#### Usage

```
<destination-nat-summary-information>
  <destination-nat-entry>....</destination-nat-entry>
</destination-nat-summary-information>
```

**Description** Information about one or more destination NAT entries

### <destination-port-entry>

#### Usage

```
<source-nat-rule-detail-information>
  <source-nat-rule-entry>
    <destination-port-entry>
      <rule-destination-port-low>
```



```
rule-destination-port-low
</rule-destination-port-low>
<rule-destination-port-high>
rule-destination-port-high
</rule-destination-port-high>
</destination-port-entry>
</source-nat-rule-entry>
</source-nat-rule-detail-information>
```

**Description** The destination address range

### <dst-nat-protocol-entry>

#### Usage

```
<destination-nat-rule-information>
<destination-nat-rule-entry>
<dst-nat-protocol-entry>
<dst-nat-protocol>
dst-nat-protocol
</dst-nat-protocol>
</dst-nat-protocol-entry>
</destination-nat-rule-entry>
</destination-nat-rule-information>
```

**Description** IP protocol

### <incoming-table-entry>

#### Usage

```
<incoming-table-information>
<incoming-table-entry>
<destination>
destination
</destination>
<host>
host
</host>
<references>
references
</references>
<timeout>
timeout
</timeout>
<source-pool>
source-pool
</source-pool>
</incoming-table-entry>
</incoming-table-information>
```

**Description**

## <incoming-table-information>

### Usage

```
<incoming-table-information>
  <in-use>
    in-use
  </in-use>
  <maximum>
    maximum
  </maximum>
  <entry-allocation-failed>
    entry-allocation-failed
  </entry-allocation-failed>
  <incoming-table-entry>....</incoming-table-entry>
</incoming-table-information>
```

### Description

## <interface-nat-ports-entry>

### Usage

```
<interface-nat-ports-information>
  <interface-nat-ports-entry>
    <pool-index>
      pool-index
    </pool-index>
    <total-ports>
      total-ports
    </total-ports>
    <single-ports-allocated>
      single-ports-allocated
    </single-ports-allocated>
    <single-ports-available>
      single-ports-available
    </single-ports-available>
    <twin-ports-allocated>
      twin-ports-allocated
    </twin-ports-allocated>
    <twin-ports-available>
      twin-ports-available
    </twin-ports-available>
  </interface-nat-ports-entry>
</interface-nat-ports-information>
```

### Description

## <interface-nat-ports-information>

### Usage

```
<interface-nat-ports-information>
  <interface-nat-ports-entry>....</interface-nat-ports-entry>
</interface-nat-ports-information>
```

**Description****<persist-nat-external-node-entry>****Usage**

```

<persist-nat-external-node-table>
  <persist-nat-external-node-entry>
    <persist-nat-enode-internal-ip>
      persist-nat-enode-internal-ip
    </persist-nat-enode-internal-ip>
    <persist-nat-enode-internal-port>
      persist-nat-enode-internal-port
    </persist-nat-enode-internal-port>
    <persist-nat-enode-external-ip>
      persist-nat-enode-external-ip
    </persist-nat-enode-external-ip>
    <persist-nat-enode-external-port>
      persist-nat-enode-external-port
    </persist-nat-enode-external-port>
    <persist-nat-zone-name>
      persist-nat-zone-name
    </persist-nat-zone-name>
  </persist-nat-external-node-entry>
</persist-nat-external-node-table>

```

**Description** Information about a Persistent NAT external node entry

**<persist-nat-external-node-table>****Usage**

```

<persist-nat-external-node-table>
  <persist-nat-external-node-entry>....</persist-nat-external-node-entry>
</persist-nat-external-node-table>

```

**Description** Information of Persistent NAT external node table

**<persist-nat-table>****Usage**

```

<persist-nat-table>
  <persist-nat-spu-id>
    persist-nat-spu-id
  </persist-nat-spu-id>
  <persist-nat-table-entry>....</persist-nat-table-entry>
</persist-nat-table>

```

**Description** Summay Information of Persistent NAT

## <persist-nat-table-entry>

### Usage

```
<persist-nat-table>
  <persist-nat-table-entry>
    <logical-system-name>
      logical-system-name
    </logical-system-name>
    <persist-nat-internal-ip>
      persist-nat-internal-ip
    </persist-nat-internal-ip>
    <persist-nat-internal-port>
      persist-nat-internal-port
    </persist-nat-internal-port>
    <persist-nat-internal-proto>
      persist-nat-internal-proto
    </persist-nat-internal-proto>
    <persist-nat-reflexive-ip>
      persist-nat-reflexive-ip
    </persist-nat-reflexive-ip>
    <persist-nat-reflexive-port>
      persist-nat-reflexive-port
    </persist-nat-reflexive-port>
    <persist-nat-reflexive-proto>
      persist-nat-reflexive-proto
    </persist-nat-reflexive-proto>
    <persist-nat-pool-name>
      persist-nat-pool-name
    </persist-nat-pool-name>
    <persist-nat-type>
      persist-nat-type
    </persist-nat-type>
    <persist-nat-left-time>
      persist-nat-left-time
    </persist-nat-left-time>
    <persist-nat-config-time>
      persist-nat-config-time
    </persist-nat-config-time>
    <persist-nat-current-session-num>
      persist-nat-current-session-num
    </persist-nat-current-session-num>
    <persist-nat-max-session-num>
      persist-nat-max-session-num
    </persist-nat-max-session-num>
    <persist-nat-rule-name>
      persist-nat-rule-name
    </persist-nat-rule-name>
  </persist-nat-table-entry>
</persist-nat-table>
```

**Description** Information about a Persistent NAT entry

**<persist-nat-table-statistic>****Usage**

```

<persist-nat-table-statistic>
  <persist-nat-spu-id>
    persist-nat-spu-id
  </persist-nat-spu-id>
  <logical-system-name>
    logical-system-name
  </logical-system-name>
  <persist-nat-binding-total>
    persist-nat-binding-total
  </persist-nat-binding-total>
  <persist-nat-binding-in-use>
    persist-nat-binding-in-use
  </persist-nat-binding-in-use>
  <persist-nat-enode-total>
    persist-nat-enode-total
  </persist-nat-enode-total>
  <persist-nat-enode-in-use>
    persist-nat-enode-in-use
  </persist-nat-enode-in-use>
</persist-nat-table-statistic>

```

**Description** Persistent NAT statistic

**<pool-address-range>****Usage**

```

<destination-nat-pool-information>
  <destination-nat-pool-entry>
    <pool-address-range>
      <address-range-low>
        address-range-low
      </address-range-low>
      <address-range-high>
        address-range-high
      </address-range-high>
      <address-port>
        address-port
      </address-port>
    </pool-address-range>
  </destination-nat-pool-entry>
</destination-nat-pool-information>

```

**Description** Information on address range

**<rule-destination-address-range-entry>****Usage**

```

<destination-nat-rule-information>
  <destination-nat-rule-entry>

```

```
<rule-destination-address-range-entry>
  <rule-destination-address>
    rule-destination-address
  </rule-destination-address>
  <rule-destination-address-low-range>
    rule-destination-address-low-range
  </rule-destination-address-low-range>
  <rule-destination-address-high-range>
    rule-destination-address-high-range
  </rule-destination-address-high-range>
</rule-destination-address-range-entry>
</destination-nat-rule-entry>
</destination-nat-rule-information>
```

**Description** The destination address range

### <rule-source-address-range-entry>

#### Usage

```
<destination-nat-rule-information>
  <destination-nat-rule-entry>
    <rule-source-address-range-entry>
      <rule-source-address>
        rule-source-address
      </rule-source-address>
      <rule-source-address-low-range>
        rule-source-address-low-range
      </rule-source-address-low-range>
      <rule-source-address-high-range>
        rule-source-address-high-range
      </rule-source-address-high-range>
    </rule-source-address-range-entry>
  </destination-nat-rule-entry>
</destination-nat-rule-information>
```

**Description** The source address range

### <source-address-range-entry>

#### Usage

```
<source-nat-rule-detail-information>
  <source-nat-rule-entry>
    <source-address-range-entry>
      <rule-source-address>
        rule-source-address
      </rule-source-address>
      <rule-source-address-low-range>
        rule-source-address-low-range
      </rule-source-address-low-range>
      <rule-source-address-high-range>
        rule-source-address-high-range
      </rule-source-address-high-range>
```

```

    </source-address-range-entry>
  </source-nat-rule-entry>
</source-nat-rule-detail-information>

```

**Description** The source address range

### <source-nat-entry>

#### Usage

```

<source-nat-summary>
  <source-nat-entry>
    <pool-name>
      pool-name
    </pool-name>
    <address-low>
      address-low
    </address-low>
    <address-high>
      address-high
    </address-high>
    <interface>
      interface
    </interface>
    <port-address-translation>
      port-address-translation
    </port-address-translation>
  </source-nat-entry>
</source-nat-summary>

```

**Description**

### <source-nat-pool-detail-information>

#### Usage

```

<source-nat-pool-detail-information>
  <total-source-nat-pools>....</total-source-nat-pools>
  <logical-system-name>
    logical-system-name
  </logical-system-name>
  <source-nat-pool-info-entry>....</source-nat-pool-info-entry>
</source-nat-pool-detail-information>

```

**Description** Show source NAT pool information

### <source-nat-pool-entry>

#### Usage

```

<source-nat-pool-information>
  <source-nat-pool-entry>
    <pool-name>
      pool-name

```

```
</pool-name>
<address>
  address
</address>
<pool-status>
  pool-status
</pool-status>
<single-ports>
  single-ports
</single-ports>
<twin-ports>
  twin-ports
</twin-ports>
<host-address>
  host-address
</host-address>
<references>
  references
</references>
<port-address-translation>
  port-address-translation
</port-address-translation>
</source-nat-pool-entry>
</source-nat-pool-information>
```

## Description

### <source-nat-pool-info-entry>

#### Usage

```
<source-nat-pool-detail-information>
<source-nat-pool-info-entry>
  <pool-name>
    pool-name
  </pool-name>
  <pool-id>
    pool-id
  </pool-id>
  <routing-instance-name>
    routing-instance-name
  </routing-instance-name>
  <host-address-base>
    host-address-base
  </host-address-base>
  <source-pool-port-translation>
    source-pool-port-translation
  </source-pool-port-translation>
  <port-overloading-factor>
    port-overloading-factor
  </port-overloading-factor>
  <source-pool-overflow-pool>
    source-pool-overflow-pool
  </source-pool-overflow-pool>
  <total-pool-address>
    total-pool-address
```



```
</total-pool-address>
<address-available>
  address-available
</address-available>
<address-pool-hits>
  address-pool-hits
</address-pool-hits>
<source-pool-address-range>....</source-pool-address-range>
</source-nat-pool-info-entry>
</source-nat-pool-detail-information>
```

**Description** Information on the source NAT pool

### <source-nat-pool-information>

#### Usage

```
<source-nat-pool-information>
<source-nat-pool-entry>....</source-nat-pool-entry>
</source-nat-pool-information>
```

**Description**

### <source-nat-rule-action-entry>

#### Usage

```
<source-nat-rule-detail-information>
<source-nat-rule-entry>
  <source-nat-rule-action-entry>
    <source-nat-rule-action>
      source-nat-rule-action
    </source-nat-rule-action>
    <persistent-nat-type>
      persistent-nat-type
    </persistent-nat-type>
    <persistent-nat-mapping-type>
      persistent-nat-mapping-type
    </persistent-nat-mapping-type>
    <persistent-nat-timeout>
      persistent-nat-timeout
    </persistent-nat-timeout>
    <persistent-nat-max-session>
      persistent-nat-max-session
    </persistent-nat-max-session>
  </source-nat-rule-action-entry>
</source-nat-rule-entry>
</source-nat-rule-detail-information>
```

**Description** The action taken when the rule is matched

## <source-nat-rule-detail-information>

### Usage

```
<source-nat-rule-detail-information>
  <total-source-nat-rules>....</total-source-nat-rules>
  <total-source-nat-rule-ref-addr-num>....</total-source-nat-rule-ref-addr-num>
  <logical-system-name>
    logical-system-name
  </logical-system-name>
  <source-nat-rule-entry>....</source-nat-rule-entry>
</source-nat-rule-detail-information>
```

**Description** Show source NAT rule information

## <source-nat-rule-entry>

### Usage

```
<source-nat-rule-detail-information>
  <source-nat-rule-entry>
    <rule-name>
      rule-name
    </rule-name>
    <rule-set-name>
      rule-set-name
    </rule-set-name>
    <rule-id>
      rule-id
    </rule-id>
    <rule-matching-position>
      rule-matching-position
    </rule-matching-position>
    <rule-from-context>
      rule-from-context
    </rule-from-context>
    <rule-from-context-name>
      rule-from-context-name
    </rule-from-context-name>
    <rule-to-context>
      rule-to-context
    </rule-to-context>
    <rule-to-context-name>
      rule-to-context-name
    </rule-to-context-name>
    <source-address-range-entry>....</source-address-range-entry>
    <destination-address-range-entry>....</destination-address-range-entry>
    <destination-port-entry>....</destination-port-entry>
    <src-nat-protocol-entry>....</src-nat-protocol-entry>
    <source-nat-rule-action-entry>....</source-nat-rule-action-entry>
    <source-nat-rule-hits-entry>....</source-nat-rule-hits-entry>
  </source-nat-rule-entry>
</source-nat-rule-detail-information>
```

**Description** Information on the source NAT rule

### <source-nat-rule-hits-entry>

**Usage**

```
<source-nat-rule-detail-information>
  <source-nat-rule-entry>
    <source-nat-rule-hits-entry>
      <number_of_hits>
        number_of_hits
      </number_of_hits>
    </source-nat-rule-hits-entry>
  </source-nat-rule-entry>
</source-nat-rule-detail-information>
```

**Description** Number of translation hits

### <source-nat-summary>

**Usage**

```
<source-nat-summary>
  <source-nat-entry>....</source-nat-entry>
</source-nat-summary>
```

**Description**

### <source-pool-address-range>

**Usage**

```
<source-nat-pool-detail-information>
  <source-nat-pool-info-entry>
    <source-pool-address-range>
      <address-range-low>
        address-range-low
      </address-range-low>
      <address-range-high>
        address-range-high
      </address-range-high>
      <single-port>
        single-port
      </single-port>
      <twin-port>
        twin-port
      </twin-port>
    </source-pool-address-range>
  </source-nat-pool-info-entry>
</source-nat-pool-detail-information>
```

**Description** Information on address range

### <src-nat-protocol-entry>

#### Usage

```
<source-nat-rule-detail-information>
  <source-nat-rule-entry>
    <src-nat-protocol-entry>
      <src-nat-protocol>
        src-nat-protocol
      </src-nat-protocol>
    </src-nat-protocol-entry>
  </source-nat-rule-entry>
</source-nat-rule-detail-information>
```

**Description** IP protocol

### <ssg-destination-nat-rule-entry>

#### Usage

```
<ssg-destination-nat-summary-information>
  <ssg-destination-nat-rule-entry>
    <rule-name>
      rule-name
    </rule-name>
    <rule-set-name>
      rule-set-name
    </rule-set-name>
    <rule-from-context>
      rule-from-context
    </rule-from-context>
    <ssg-destination-rule-action>
      ssg-destination-rule-action
    </ssg-destination-rule-action>
  </ssg-destination-nat-rule-entry>
</ssg-destination-nat-summary-information>
```

**Description** Information about a destination NAT rule entry

### <ssg-destination-nat-summary-information>

#### Usage

```
<ssg-destination-nat-summary-information>
  <ssg-total-destination-pool-num>.....</ssg-total-destination-pool-num>
  <logical-system-name>
    logical-system-name
  </logical-system-name>
  <ssg-destination-pool-entry>.....</ssg-destination-pool-entry>
  <ssg-total-destination-rule-num>.....</ssg-total-destination-rule-num>
  <ssg-destination-nat-rule-entry>.....</ssg-destination-nat-rule-entry>
</ssg-destination-nat-summary-information>
```

**Description** Summay Information of destination NAT

### <ssg-destination-pool-entry>

#### Usage

```
<ssg-destination-nat-summary-information>
  <ssg-destination-pool-entry>
    <pool-name>
      pool-name
    </pool-name>
    <address-range-low>
      address-range-low
    </address-range-low>
    <address-range-high>
      address-range-high
    </address-range-high>
    <routing-instance-name>
      routing-instance-name
    </routing-instance-name>
    <ssg-destination-pool-port-info>
      ssg-destination-pool-port-info
    </ssg-destination-pool-port-info>
    <ssg-destination-pool-total-address>
      ssg-destination-pool-total-address
    </ssg-destination-pool-total-address>
  </ssg-destination-pool-entry>
</ssg-destination-nat-summary-information>
```

**Description** Information about a destination NAT entry

### <ssg-source-nat-summary-information>

#### Usage

```
<ssg-source-nat-summary-information>
  <ssg-total-source-pool-num>....</ssg-total-source-pool-num>
  <logical-system-name>
    logical-system-name
  </logical-system-name>
  <ssg-source-pool-entry>....</ssg-source-pool-entry>
  <ssg-total-source-rule-num>....</ssg-total-source-rule-num>
  <ssg-source-rule-entry>....</ssg-source-rule-entry>
</ssg-source-nat-summary-information>
```

**Description** Summay Information of source NAT

### <ssg-source-pool-entry>

#### Usage

```
<ssg-source-nat-summary-information>
  <ssg-source-pool-entry>
    <ssg-source-pool-name>
      ssg-source-pool-name
```

```
</ssg-source-pool-name>
<ssg-source-pool-address-range>
  ssg-source-pool-address-range
</ssg-source-pool-address-range>
<ssg-source-pool-routing-instance>
  ssg-source-pool-routing-instance
</ssg-source-pool-routing-instance>
<ssg-source-pool-pat>
  ssg-source-pool-pat
</ssg-source-pool-pat>
<ssg-source-pool-total-address>
  ssg-source-pool-total-address
</ssg-source-pool-total-address>
</ssg-source-pool-entry>
</ssg-source-nat-summary-information>
```

**Description** Information about a source NAT entry

### <ssg-source-rule-entry>

#### Usage

```
<ssg-source-nat-summary-information>
<ssg-source-rule-entry>
  <ssg-source-rule-name>
    ssg-source-rule-name
  </ssg-source-rule-name>
  <ssg-source-rule-set-name>
    ssg-source-rule-set-name
  </ssg-source-rule-set-name>
  <ssg-source-rule-context-from>
    ssg-source-rule-context-from
  </ssg-source-rule-context-from>
  <ssg-source-rule-context-to>
    ssg-source-rule-context-to
  </ssg-source-rule-context-to>
  <ssg-source-rule-action>
    ssg-source-rule-action
  </ssg-source-rule-action>
</ssg-source-rule-entry>
</ssg-source-nat-summary-information>
```

**Description** Information about a source NAT rule entry

### <ssg-total-destination-pool-num>

#### Usage

```
<ssg-destination-nat-summary-information>
<ssg-total-destination-pool-num>
  <summary-total-destination-pool>
    summary-total-destination-pool
  </summary-total-destination-pool>
</ssg-total-destination-pool-num>
```

</ssg-destination-nat-summary-information>

**Description** Total Destination NAT pool number

### <ssg-total-destination-rule-num>

**Usage**

```
<ssg-destination-nat-summary-information>
  <ssg-total-destination-rule-num>
    <summary-total-destination-rule>
      summary-total-destination-rule
    </summary-total-destination-rule>
  </ssg-total-destination-rule-num>
</ssg-destination-nat-summary-information>
```

**Description** Total Destination NAT rule number

### <ssg-total-source-pool-num>

**Usage**

```
<ssg-source-nat-summary-information>
  <ssg-total-source-pool-num>
    <total-source-summary-pools>
      total-source-summary-pools
    </total-source-summary-pools>
  </ssg-total-source-pool-num>
</ssg-source-nat-summary-information>
```

**Description** Total source NAT pool number

### <ssg-total-source-rule-num>

**Usage**

```
<ssg-source-nat-summary-information>
  <ssg-total-source-rule-num>
    <summary-total-source-rules>
      summary-total-source-rules
    </summary-total-source-rules>
  </ssg-total-source-rule-num>
</ssg-source-nat-summary-information>
```

**Description** Total source NAT rule number

### <static-nat-entry>

**Usage**

```
<static-nat-summary>
  <static-nat-entry>
    <ingress-interface>
```

```
    ingress-interface
  </ingress-interface>
  <destination-prefix>
    destination-prefix
  </destination-prefix>
  <host-prefix>
    host-prefix
  </host-prefix>
  <virtual-router>
    virtual-router
  </virtual-router>
</static-nat-entry>
</static-nat-summary>
```

## Description

### <static-nat-rule-entry>

#### Usage

```
<static-nat-rule-information>
  <static-nat-rule-entry>
    <rule-name>
      rule-name
    </rule-name>
    <rule-set-name>
      rule-set-name
    </rule-set-name>
    <rule-id>
      rule-id
    </rule-id>
    <rule-matching-position>
      rule-matching-position
    </rule-matching-position>
    <rule-from-context>
      rule-from-context
    </rule-from-context>
    <rule-from-context-name>
      rule-from-context-name
    </rule-from-context-name>
    <rule-destination-address-prefix>
      rule-destination-address-prefix
    </rule-destination-address-prefix>
    <rule-host-address-prefix>
      rule-host-address-prefix
    </rule-host-address-prefix>
    <rule-address-netmask>
      rule-address-netmask
    </rule-address-netmask>
    <rule-host-routing-instance>
      rule-host-routing-instance
    </rule-host-routing-instance>
    <rule-hits>
      rule-hits
    </rule-hits>
  </static-nat-rule-entry>
```



```
</static-nat-rule-information>
```

**Description** Information on the static-nat rule

### <static-nat-rule-information>

#### Usage

```
<static-nat-rule-information>
<total-static-nat-rules>....</total-static-nat-rules>
<total-static-nat-rule-ref-addr-num>....</total-static-nat-rule-ref-addr-num>
<logical-system-name>
  logical-system-name
</logical-system-name>
<static-nat-rule-entry>....</static-nat-rule-entry>
</static-nat-rule-information>
```

**Description** Show static-nat rule information

### <static-nat-summary>

#### Usage

```
<static-nat-summary>
<static-nat-total>
  static-nat-total
</static-nat-total>
<static-nat-maximum>
  static-nat-maximum
</static-nat-maximum>
<static-nat-entry>....</static-nat-entry>
</static-nat-summary>
```

**Description**

### <total-destination-nat-pool-number>

#### Usage

```
<destination-nat-pool-information>
<total-destination-nat-pool-number>
<total-pools>
  total-pools
</total-pools>
</total-destination-nat-pool-number>
</destination-nat-pool-information>
```

**Description** Total number of destination-nat pools

### <total-destination-nat-rule-ref-addr-num>

#### Usage

```
<destination-nat-rule-information>
```

```
<total-destination-nat-rule-ref-addr-num>
  <total-destination-nat-rule-ref-addr-num-v4>
    total-destination-nat-rule-ref-addr-num-v4
  </total-destination-nat-rule-ref-addr-num-v4>
  <total-destination-nat-rule-ref-addr-num-v6>
    total-destination-nat-rule-ref-addr-num-v6
  </total-destination-nat-rule-ref-addr-num-v6>
</total-destination-nat-rule-ref-addr-num>
</destination-nat-rule-information>
```

**Description** Total referenced IPv4/IPv6 ip-prefixes in destination NAT rule

### <total-destination-nat-rules>

**Usage**

```
<destination-nat-rule-information>
  <total-destination-nat-rules>
    <total-rules>
      total-rules
    </total-rules>
  </total-destination-nat-rules>
</destination-nat-rule-information>
```

**Description** Total number of destination-nat rules

### <total-source-nat-pools>

**Usage**

```
<source-nat-pool-detail-information>
  <total-source-nat-pools>
    <total-source-pools>
      total-source-pools
    </total-source-pools>
  </total-source-nat-pools>
</source-nat-pool-detail-information>
```

**Description** Information of source NAT pools

### <total-source-nat-rule-ref-addr-num>

**Usage**

```
<source-nat-rule-detail-information>
  <total-source-nat-rule-ref-addr-num>
    <total-source-nat-rule-ref-addr-num-v4>
      total-source-nat-rule-ref-addr-num-v4
    </total-source-nat-rule-ref-addr-num-v4>
    <total-source-nat-rule-ref-addr-num-v6>
      total-source-nat-rule-ref-addr-num-v6
    </total-source-nat-rule-ref-addr-num-v6>
  </total-source-nat-rule-ref-addr-num>
```

</source-nat-rule-detail-information>

**Description** Total referenced IPv4/IPv6 ip-prefixes in source NAT rule

### <total-source-nat-rules>

#### Usage

```
<source-nat-rule-detail-information>
  <total-source-nat-rules>
    <total-src-rules>
      total-src-rules
    </total-src-rules>
  </total-source-nat-rules>
</source-nat-rule-detail-information>
```

**Description** Total number of source NAT rules

### <total-static-nat-rule-ref-addr-num>

#### Usage

```
<static-nat-rule-information>
  <total-static-nat-rule-ref-addr-num>
    <total-static-nat-rule-ref-addr-num-v4>
      total-static-nat-rule-ref-addr-num-v4
    </total-static-nat-rule-ref-addr-num-v4>
    <total-static-nat-rule-ref-addr-num-v6>
      total-static-nat-rule-ref-addr-num-v6
    </total-static-nat-rule-ref-addr-num-v6>
  </total-static-nat-rule-ref-addr-num>
</static-nat-rule-information>
```

**Description** Total referenced IPv4/IPv6 ip-prefixes in static NAT rule

### <total-static-nat-rules>

#### Usage

```
<static-nat-rule-information>
  <total-static-nat-rules>
    <total-rules>
      total-rules
    </total-rules>
  </total-static-nat-rules>
</static-nat-rule-information>
```

**Description** Total number of static-nat rules

## <translation-context-entry>

### Usage

```
<translation-context-information>
  <translation-context-entry>
    <host>
      host
    </host>
    <translated>
      translated
    </translated>
    <port-count>
      port-count
    </port-count>
    <references>
      references
    </references>
    <source-pool>
      source-pool
    </source-pool>
  </translation-context-entry>
</translation-context-information>
```

### Description

## <translation-context-information>

### Usage

```
<translation-context-information>
  <in-use>
    in-use
  </in-use>
  <maximum>
    maximum
  </maximum>
  <entry-allocation-failed>
    entry-allocation-failed
  </entry-allocation-failed>
  <translation-context-entry>.....</translation-context-entry>
</translation-context-information>
```

### Description

---

## Summary of Junos OS Reports Response Tags

---

## <recent-blocked-url-activity>

### Usage

```
<reports-recent-activities>
  <recent-blocked-url-activity>
    <blocked-url-name>
      blocked-url-name
    </blocked-url-name>
```

```

<report-source-ipaddress>
  report-source-ipaddress
</report-source-ipaddress>
<report-source-port>
  report-source-port
</report-source-port>
<report-destination-ipaddress>
  report-destination-ipaddress
</report-destination-ipaddress>
<report-destination-port>
  report-destination-port
</report-destination-port>
<report-protocol>
  report-protocol
</report-protocol>
<report-action>
  report-action
</report-action>
<report-timestamps>
  report-timestamps
</report-timestamps>
</recent-blocked-url-activity>
</reports-recent-activities>

```

#### Description

#### <recent-idp-attack-activity>

##### Usage

```

<reports-recent-activities>
  <recent-idp-attack-activity>
    <idp-attack-name>
      idp-attack-name
    </idp-attack-name>
    <idp-attack-severity>
      idp-attack-severity
    </idp-attack-severity>
    <report-source-ipaddress>
      report-source-ipaddress
    </report-source-ipaddress>
    <report-source-port>
      report-source-port
    </report-source-port>
    <report-destination-ipaddress>
      report-destination-ipaddress
    </report-destination-ipaddress>
    <report-destination-port>
      report-destination-port
    </report-destination-port>
    <report-protocol>
      report-protocol
    </report-protocol>
    <report-action>
      report-action
    </report-action>
  </recent-idp-attack-activity>
</reports-recent-activities>

```

```
<report-timestamps>  
  report-timestamps  
</report-timestamps>  
</recent-idp-attack-activity>  
</reports-recent-activities>
```

#### Description

### <recent-spam-activity>

#### Usage

```
<reports-recent-activities>  
  <recent-spam-activity>  
    <spam-email-blocked>  
      spam-email-blocked  
    </spam-email-blocked>  
    <spam-threat-severity>  
      spam-threat-severity  
    </spam-threat-severity>  
    <report-source-ipaddress>  
      report-source-ipaddress  
    </report-source-ipaddress>  
    <report-action>  
      report-action  
    </report-action>  
    <report-timestamps>  
      report-timestamps  
    </report-timestamps>  
  </recent-spam-activity>  
</reports-recent-activities>
```

#### Description

### <recent-virus-hit-activity>

#### Usage

```
<reports-recent-activities>  
  <recent-virus-hit-activity>  
    <virus-threat-name>  
      virus-threat-name  
    </virus-threat-name>  
    <virus-threat-severity>  
      virus-threat-severity  
    </virus-threat-severity>  
    <report-source-ipaddress>  
      report-source-ipaddress  
    </report-source-ipaddress>  
    <report-source-port>  
      report-source-port  
    </report-source-port>  
    <report-destination-ipaddress>  
      report-destination-ipaddress  
    </report-destination-ipaddress>  
    <report-destination-port>
```

```

    report-destination-port
  </report-destination-port>
  <report-protocol>
    report-protocol
  </report-protocol>
  <virus-threat-description>
    virus-threat-description
  </virus-threat-description>
  <report-threat-hyperlink>
    report-threat-hyperlink
  </report-threat-hyperlink>
  <report-action>
    report-action
  </report-action>
  <report-timestamps>
    report-timestamps
  </report-timestamps>
</recent-virus-hit-activity>
</reports-recent-activities>

```

## Description

### <report-traffic-most-recent-session>

#### Usage

```

<reports-traffic-statistics>
  <report-traffic-most-recent-session>
    <report-source-ipaddress>
      report-source-ipaddress
    </report-source-ipaddress>
    <report-source-port>
      report-source-port
    </report-source-port>
    <report-destination-ipaddress>
      report-destination-ipaddress
    </report-destination-ipaddress>
    <report-destination-port>
      report-destination-port
    </report-destination-port>
    <report-protocol>
      report-protocol
    </report-protocol>
    <report-session-bytes-in>
      report-session-bytes-in
    </report-session-bytes-in>
    <report-session-bytes-out>
      report-session-bytes-out
    </report-session-bytes-out>
    <report-session-packets-in>
      report-session-packets-in
    </report-session-packets-in>
    <report-session-packets-out>
      report-session-packets-out
    </report-session-packets-out>
    <report-timestamps>

```

```
    report-timestamps
  </report-timestamps>
</report-traffic-most-recent-session>
</reports-traffic-statistics>
```

#### Description

### <report-traffic-session-summary>

#### Usage

```
<reports-traffic-statistics>
  <report-traffic-session-summary>
    <report-session-protocol-name>
      report-session-protocol-name
    </report-session-protocol-name>
    <total-number-of-sessions>
      total-number-of-sessions
    </total-number-of-sessions>
    <total-session-bytes-in>
      total-session-bytes-in
    </total-session-bytes-in>
    <total-session-bytes-out>
      total-session-bytes-out
    </total-session-bytes-out>
    <total-session-packets-in>
      total-session-packets-in
    </total-session-packets-in>
    <total-session-packets-out>
      total-session-packets-out
    </total-session-packets-out>
  </report-traffic-session-summary>
</reports-traffic-statistics>
```

#### Description

### <report-traffic-sessions-per-protocol>

#### Usage

```
<reports-traffic-statistics>
  <report-traffic-sessions-per-protocol>
    <session-data-per-protocol>....</session-data-per-protocol>
  </report-traffic-sessions-per-protocol>
</reports-traffic-statistics>
```

#### Description

### <reports-recent-activities>

#### Usage

```
<reports-recent-activities>
  <recent-virus-hit-activity>....</recent-virus-hit-activity>
  <recent-spam-activity>....</recent-spam-activity>
  <recent-blocked-url-activity>....</recent-blocked-url-activity>
```



```
<recent-idp-attack-activity>....</recent-idp-attack-activity>
</reports-recent-activities>
```

**Description** Show security most-recent threat activity information

### <reports-threat-statistics>

#### Usage

```
<reports-threat-statistics>
  <threat-past-24hr-hit-count>
    threat-past-24hr-hit-count
  </threat-past-24hr-hit-count>
  <threat-past-1hr-hit-count>
    threat-past-1hr-hit-count
  </threat-past-1hr-hit-count>
  <threat-report-general-statistics>....</threat-report-general-statistics>
  <web-filtering-statistics>....</web-filtering-statistics>
  <threat-24hr-history-by-severity>....</threat-24hr-history-by-severity>
  <threat-24hr-history-by-category>....</threat-24hr-history-by-category>
  <threat-report-most-recent-statistic>....</threat-report-most-recent-statistic>
</reports-threat-statistics>
```

**Description** Show security report threat information

### <reports-threat-summary>

#### Usage

```
<reports-threat-summary>
  <threat-report-activity-counts>....</threat-report-activity-counts>
</reports-threat-summary>
```

**Description** Show report threat information

### <reports-traffic-statistics>

#### Usage

```
<reports-traffic-statistics>
  <report-traffic-most-recent-session>....</report-traffic-most-recent-session>
  <report-traffic-session-summary>....</report-traffic-session-summary>
  <report-traffic-sessions-per-protocol>....</report-traffic-sessions-per-protocol>
</reports-traffic-statistics>
```

**Description**

### <session-data-per-protocol>

#### Usage

```
<reports-traffic-statistics>
  <report-traffic-sessions-per-protocol>
    <session-data-per-protocol>
```

```
<report-interval-count>
  report-interval-count
</report-interval-count>
<report-session-protocol-name>
  report-session-protocol-name
</report-session-protocol-name>
<number-of-sessions-this-interval>
  number-of-sessions-this-interval
</number-of-sessions-this-interval>
<report-session-bytes-in>
  report-session-bytes-in
</report-session-bytes-in>
<report-session-bytes-out>
  report-session-bytes-out
</report-session-bytes-out>
<report-session-packets-in>
  report-session-packets-in
</report-session-packets-in>
<report-session-packets-out>
  report-session-packets-out
</report-session-packets-out>
</session-data-per-protocol>
</report-traffic-sessions-per-protocol>
</reports-traffic-statistics>
```

**Description** Session related statistic for a specific protocol

### <threat-24hr-history-by-category>

#### Usage

```
<reports-threat-statistics>
  <threat-24hr-history-by-category>
    <report-interval-count>
      report-interval-count
    </report-interval-count>
    <threat-history-antivirus-count>
      threat-history-antivirus-count
    </threat-history-antivirus-count>
    <threat-history-antispam-count>
      threat-history-antispam-count
    </threat-history-antispam-count>
    <threat-history-webfilter-count>
      threat-history-webfilter-count
    </threat-history-webfilter-count>
    <threat-history-contentfilter-count>
      threat-history-contentfilter-count
    </threat-history-contentfilter-count>
    <threat-history-idp-count>
      threat-history-idp-count
    </threat-history-idp-count>
  </threat-24hr-history-by-category>
</reports-threat-statistics>
```

## Description

## &lt;threat-24hr-history-by-severity&gt;

## Usage

```

<reports-threat-statistics>
  <threat-24hr-history-by-severity>
    <report-interval-count>
      report-interval-count
    </report-interval-count>
    <threat-history-critical-threats>
      threat-history-critical-threats
    </threat-history-critical-threats>
    <threat-history-major-threats>
      threat-history-major-threats
    </threat-history-major-threats>
    <threat-history-minor-threats>
      threat-history-minor-threats
    </threat-history-minor-threats>
  </threat-24hr-history-by-severity>
</reports-threat-statistics>

```

## Description

## &lt;threat-report-activity-counts&gt;

## Usage

```

<reports-threat-summary>
  <threat-report-activity-counts>
    <cumulative-av-counts>
      cumulative-av-counts
    </cumulative-av-counts>
    <cumulative-spam-counts>
      cumulative-spam-counts
    </cumulative-spam-counts>
    <cumulative-webfilter-content-counts>
      cumulative-webfilter-content-counts
    </cumulative-webfilter-content-counts>
    <cumulative-contentfiltering-counts>
      cumulative-contentfiltering-counts
    </cumulative-contentfiltering-counts>
    <cumulative-idp-attack-counts>
      cumulative-idp-attack-counts
    </cumulative-idp-attack-counts>
  </threat-report-activity-counts>
</reports-threat-summary>

```

## Description

## &lt;threat-report-general-statistics&gt;

## Usage

```

<reports-threat-statistics>
  <threat-report-general-statistics>

```

```
<threat-category-name>
  threat-category-name
</threat-category-name>
<threat-severity>
  threat-severity
</threat-severity>
<threat-past-24hr-hit-count>
  threat-past-24hr-hit-count
</threat-past-24hr-hit-count>
<threat-past-1hr-hit-count>
  threat-past-1hr-hit-count
</threat-past-1hr-hit-count>
</threat-report-general-statistics>
</reports-threat-statistics>
```

## Description

### <threat-report-most-recent-statistic>

#### Usage

```
<reports-threat-statistics>
  <threat-report-most-recent-statistic>
    <recent-threat-object-name>
      recent-threat-object-name
    </recent-threat-object-name>
    <recent-threat-category>
      recent-threat-category
    </recent-threat-category>
    <report-source-ipaddress>
      report-source-ipaddress
    </report-source-ipaddress>
    <report-source-port>
      report-source-port
    </report-source-port>
    <report-destination-ipaddress>
      report-destination-ipaddress
    </report-destination-ipaddress>
    <report-destination-port>
      report-destination-port
    </report-destination-port>
    <report-protocol>
      report-protocol
    </report-protocol>
    <recent-threat-description>
      recent-threat-description
    </recent-threat-description>
    <report-action>
      report-action
    </report-action>
    <report-timestamps>
      report-timestamps
    </report-timestamps>
  </threat-report-most-recent-statistic>
</reports-threat-statistics>
```

**Description****<web-filtering-statistics>****Usage**

```
<reports-threat-statistics>
  <web-filtering-statistics>
    <web-filtering-category>
      web-filtering-category
    </web-filtering-category>
    <threat-past-24hr-hit-count>
      threat-past-24hr-hit-count
    </threat-past-24hr-hit-count>
    <threat-past-1hr-hit-count>
      threat-past-1hr-hit-count
    </threat-past-1hr-hit-count>
  </web-filtering-statistics>
</reports-threat-statistics>
```

**Description****Summary of Resource Manager Response Tags**

---

**<resmgr-group-active>****Usage**

```
<resmgr-group-active>
  <resmgr-group-active-total>
    resmgr-group-active-total
  </resmgr-group-active-total>
  <resmgr-group-active-count>
    resmgr-group-active-count
  </resmgr-group-active-count>
  <resmgr-group-active-data>....</resmgr-group-active-data>
</resmgr-group-active>
```

**Description****<resmgr-group-active-data>****Usage**

```
<resmgr-group-active>
  <resmgr-group-active-data>
    <resmgr-group-active-data-grp-id>
      resmgr-group-active-data-grp-id
    </resmgr-group-active-data-grp-id>
    <resmgr-group-active-data-client>
      resmgr-group-active-data-client
    </resmgr-group-active-data-client>
  </resmgr-group-active-data>
</resmgr-group-active>
```

### Description

#### <resmgr-group-active-number>

##### Usage

```
<resmgr-group-active-number>
  <resmgr-group-active-number-id>
    resmgr-group-active-number-id
  </resmgr-group-active-number-id>
  <resmgr-group-active-number-state>
    resmgr-group-active-number-state
  </resmgr-group-active-number-state>
  <resmgr-group-active-number-client>
    resmgr-group-active-number-client
  </resmgr-group-active-number-client>
  <resmgr-group-active-number-timeout>
    resmgr-group-active-number-timeout
  </resmgr-group-active-number-timeout>
  <resmgr-group-active-number-num-res>
    resmgr-group-active-number-num-res
  </resmgr-group-active-number-num-res>

<resmgr-group-active-number-resource>....</resmgr-group-active-number-resource>

</resmgr-group-active-number>
```

### Description

#### <resmgr-group-active-number-resource>

##### Usage

```
<resmgr-group-active-number>
  <resmgr-group-active-number-resource>
    <resmgr-group-active-number-resource-id>
      resmgr-group-active-number-resource-id
    </resmgr-group-active-number-resource-id>
  </resmgr-group-active-number-resource>
</resmgr-group-active-number>
```

### Description

#### <resmgr-resource-active>

##### Usage

```
<resmgr-resource-active>
  <resmgr-resource-active-total>
    resmgr-resource-active-total
  </resmgr-resource-active-total>
  <resmgr-resource-active-count>
    resmgr-resource-active-count
  </resmgr-resource-active-count>
  <resmgr-resource-active-data>....</resmgr-resource-active-data>
</resmgr-resource-active>
```

## Description

## &lt;resmgr-resource-active-data&gt;

## Usage

```

<resmgr-resource-active>
  <resmgr-resource-active-data>
    <resmgr-resource-active-data-res-id>
      resmgr-resource-active-data-res-id
    </resmgr-resource-active-data-res-id>
    <resmgr-resource-active-data-grp-id>
      resmgr-resource-active-data-grp-id
    </resmgr-resource-active-data-grp-id>
    <resmgr-resource-active-data-client>
      resmgr-resource-active-data-client
    </resmgr-resource-active-data-client>
  </resmgr-resource-active-data>
</resmgr-resource-active>

```

## Description

## &lt;resmgr-resource-active-number&gt;

## Usage

```

<resmgr-resource-active-number>
  <resmgr-resource-active-number-id>
    resmgr-resource-active-number-id
  </resmgr-resource-active-number-id>
  <resmgr-resource-active-number-state>
    resmgr-resource-active-number-state
  </resmgr-resource-active-number-state>
  <resmgr-resource-active-number-client>
    resmgr-resource-active-number-client
  </resmgr-resource-active-number-client>
  <resmgr-resource-active-number-parent>
    resmgr-resource-active-number-parent
  </resmgr-resource-active-number-parent>
  <resmgr-resource-active-number-policy>
    resmgr-resource-active-number-policy
  </resmgr-resource-active-number-policy>
  <resmgr-resource-active-number-zone-from>
    resmgr-resource-active-number-zone-from
  </resmgr-resource-active-number-zone-from>
  <resmgr-resource-active-number-zone-to>
    resmgr-resource-active-number-zone-to
  </resmgr-resource-active-number-zone-to>
  <resmgr-resource-active-number-timeout>
    resmgr-resource-active-number-timeout
  </resmgr-resource-active-number-timeout>
  <resmgr-resource-active-number-num-sessions>
    resmgr-resource-active-number-num-sessions
  </resmgr-resource-active-number-num-sessions>

```

```

<resmgr-resource-active-number-session>....</resmgr-resource-active-number-session>

```

```
<resmgr-resource-active-number-num-holes>
  resmgr-resource-active-number-num-holes
</resmgr-resource-active-number-num-holes>
<resmgr-resource-active-number-hole>....</resmgr-resource-active-number-hole>

</resmgr-resource-active-number>
```

## Description

### <resmgr-resource-active-number-hole>

#### Usage

```
<resmgr-resource-active-number>
<resmgr-resource-active-number-hole>
  <resmgr-resource-active-number-hole-id>
    resmgr-resource-active-number-hole-id
  </resmgr-resource-active-number-hole-id>
  <resmgr-resource-active-number-hole-src-ip0>
    resmgr-resource-active-number-hole-src-ip0
  </resmgr-resource-active-number-hole-src-ip0>
  <resmgr-resource-active-number-hole-src-ip1>
    resmgr-resource-active-number-hole-src-ip1
  </resmgr-resource-active-number-hole-src-ip1>
  <resmgr-resource-active-number-hole-dst-ip0>
    resmgr-resource-active-number-hole-dst-ip0
  </resmgr-resource-active-number-hole-dst-ip0>
  <resmgr-resource-active-number-hole-dst-ip1>
    resmgr-resource-active-number-hole-dst-ip1
  </resmgr-resource-active-number-hole-dst-ip1>
  <resmgr-resource-active-number-hole-src-port0>
    resmgr-resource-active-number-hole-src-port0
  </resmgr-resource-active-number-hole-src-port0>
  <resmgr-resource-active-number-hole-src-port1>
    resmgr-resource-active-number-hole-src-port1
  </resmgr-resource-active-number-hole-src-port1>
  <resmgr-resource-active-number-hole-dst-port0>
    resmgr-resource-active-number-hole-dst-port0
  </resmgr-resource-active-number-hole-dst-port0>
  <resmgr-resource-active-number-hole-dst-port1>
    resmgr-resource-active-number-hole-dst-port1
  </resmgr-resource-active-number-hole-dst-port1>
  <resource-hole-translated-source-ip>
    resource-hole-translated-source-ip
  </resource-hole-translated-source-ip>
  <resource-hole-translated-source-port>
    resource-hole-translated-source-port
  </resource-hole-translated-source-port>
  <resource-hole-translated-destination-ip>
    resource-hole-translated-destination-ip
  </resource-hole-translated-destination-ip>
  <resource-hole-translated-destination-port>
    resource-hole-translated-destination-port
  </resource-hole-translated-destination-port>
  <resmgr-resource-active-number-hole-proto>
    resmgr-resource-active-number-hole-proto
```



```

    </resmgr-resource-active-number-hole-proto>
    <resmgr-resource-active-number-hole-refcnt>
      resmgr-resource-active-number-hole-refcnt
    </resmgr-resource-active-number-hole-refcnt>
  </resmgr-resource-active-number-hole>
</resmgr-resource-active-number>

```

#### Description

### <resmgr-resource-active-number-session>

#### Usage

```

<resmgr-resource-active-number>
  <resmgr-resource-active-number-session>
    <resmgr-resource-active-number-session-id>
      resmgr-resource-active-number-session-id
    </resmgr-resource-active-number-session-id>
  </resmgr-resource-active-number-session>
</resmgr-resource-active-number>

```

#### Description

### <resmgr-settings>

#### Usage

```

<resmgr-settings>
  <resmgr-settings-timeout>
    resmgr-settings-timeout
  </resmgr-settings-timeout>
  <resmgr-settings-count>
    resmgr-settings-count
  </resmgr-settings-count>
  <resmgr-settings-pinhole-age>
    resmgr-settings-pinhole-age
  </resmgr-settings-pinhole-age>
</resmgr-settings>

```

#### Description

### <resource-manager-summary-information>

#### Usage

```

<resource-manager-summary-information>
  <active-client-count>
    active-client-count
  </active-client-count>
  <active-group-count>
    active-group-count
  </active-group-count>
  <active-resource-count>
    active-resource-count
  </active-resource-count>
  <active-session-count>

```

```
    active-session-count
  </active-session-count>
</resource-manager-summary-information>
```

#### Description

### Summary of VLAN Retag Response Tags ---

#### <clear-vlan-retag-statistics-information>

##### Usage

```
<clear-vlan-retag-statistics-information>
  <clear-vlan-retag-statistics-status>....</clear-vlan-retag-statistics-status>
</clear-vlan-retag-statistics-information>
```

#### Description

#### <clear-vlan-retag-statistics-status>

##### Usage

```
<clear-vlan-retag-statistics-information>
  <clear-vlan-retag-statistics-status>
    <vlan-retag-clear-status>
      vlan-retag-clear-status
    </vlan-retag-clear-status>
  </clear-vlan-retag-statistics-status>
</clear-vlan-retag-statistics-information>
```

#### Description

#### <show-retag-statistics-information>

##### Usage

```
<show-retag-statistics-information>
  <vlan-retag-entry>....</vlan-retag-entry>
</show-retag-statistics-information>
```

#### Description

#### <vlan-retag-entry>

##### Usage

```
<show-retag-statistics-information>
  <vlan-retag-entry>
    <retag-interface-index>
      retag-interface-index
    </retag-interface-index>
    <retag-from-vlan>
      retag-from-vlan
    </retag-from-vlan>
    <retag-to-vlan>
      retag-to-vlan
  </vlan-retag-entry>
</show-retag-statistics-information>
```

```
</retag-to-vlan>
<retag-statistics-ingress>
  retag-statistics-ingress
</retag-statistics-ingress>
<retag-statistics-egress>
  retag-statistics-egress
</retag-statistics-egress>
</vlan-retag-entry>
</show-retag-statistics-information>
```

**Description** Information About Vlan Rewrite Statistics

---

## Summary of Real Time Media Convergence Response Tags

### <cli-response>

#### Usage

```
<media-gateway>
<cli-response>
  <message>
    message
  </message>
</cli-response>
</media-gateway>
```

**Description** Cli response

### <media-gateway>

#### Usage

```
<media-gateway>
  <cli-request>
    cli-request
  </cli-request>
  <cli-response>....</cli-response>
</media-gateway>
```

**Description** Media gateway information

### <sessions>

#### Usage

```
<survivable-call-service>
  <sessions>
    <address>
      address
    </address>
    <port>
      port
    </port>
```

```
<transport>
  transport
</transport>
<state>
  state
</state>
<duration>
  duration
</duration>
<timer>
  timer
</timer>
</sessions>
</survivable-call-service>
```

**Description** Survivable call service sessions

## <statistics>

### Usage

```
<survivable-call-service>
<statistics>
  <name>
    name
  </name>
  <last-down-time>
    last-down-time
  </last-down-time>
  <total-down-time>
    total-down-time
  </total-down-time>
  <total-down-count>
    total-down-count
  </total-down-count>
  <minimum-response-time>
    minimum-response-time
  </minimum-response-time>
  <maximum-response-time>
    maximum-response-time
  </maximum-response-time>
  <average-response-time>
    average-response-time
  </average-response-time>
</statistics>
</survivable-call-service>
```

**Description** Survivable call service statistics

## <status>

### Usage

```
<survivable-call-service>
```

```
<status>
  <name>
    name
  </name>
  <address>
    address
  </address>
  <port>
    port
  </port>
  <transport>
    transport
  </transport>
  <state>
    state
  </state>
  <mode>
    mode
  </mode>
</status>
</survivable-call-service>
```

**Description** Survivable call service status

### <survivable-call-service>

#### Usage

```
<survivable-call-service>
  <status>....</status>
  <statistics>....</statistics>
  <sessions>....</sessions>
</survivable-call-service>
```

**Description** Survivable call service information

---

## Summary of Scheduler Response Tags

### <scheduler>

#### Usage

```
<schedulers>
  <scheduler>
    <scheduler-name>
      scheduler-name
    </scheduler-name>
    <scheduler-state>
      scheduler-state
    </scheduler-state>
    <scheduler-next-activation-date-time>
      scheduler-next-activation-date-time
    </scheduler-next-activation-date-time>
    <scheduler-next-deactivation-date-time>
```

```
    scheduler-next-deactivation-date-time
  </scheduler-next-deactivation-date-time>
</scheduler>
</schedulers>
```

**Description** Information about a scheduler

## <schedulers>

### Usage

```
<schedulers>
  <schedulers-logical-system>....</schedulers-logical-system>
  <scheduler>....</scheduler>
</schedulers>
```

**Description** Information about one or more schedulers

## <schedulers-logical-system>

### Usage

```
<schedulers>
  <schedulers-logical-system>
    <name>
      name
    </name>
  </schedulers-logical-system>
</schedulers>
```

**Description** Logical system

---

## Summary of SCTP Response Tags

## <clear-counters>

### Usage

```
<sctp-clear-counters>
  <clear-counters>
    <clear-counters-status>
      clear-counters-status
    </clear-counters-status>
  </clear-counters>
</sctp-clear-counters>
```

**Description**

## <sctp-clear-counters>

### Usage

```
<sctp-clear-counters>
```

```
<clear-counters>....</clear-counters>
</sctp-clear-counters>
```

#### Description

### <sctp-show-counters>

#### Usage

```
<sctp-show-counters>
  <show-counters-slot>....</show-counters-slot>
  <show-counters-recvdrop>....</show-counters-recvdrop>
  <show-counters-errdrop>....</show-counters-errdrop>
</sctp-show-counters>
```

#### Description

### <show-counters-errdrop>

#### Usage

```
<sctp-show-counters>
  <show-counters-errdrop>
    <errdrop-name>
      errdrop-name
    </errdrop-name>
    <errdrop>
      errdrop
    </errdrop>
  </show-counters-errdrop>
</sctp-show-counters>
```

#### Description

### <show-counters-recvdrop>

#### Usage

```
<sctp-show-counters>
  <show-counters-recvdrop>
    <recvdrop-name>
      recvdrop-name
    </recvdrop-name>
    <received>
      received
    </received>
    <drop>
      drop
    </drop>
  </show-counters-recvdrop>
</sctp-show-counters>
```

#### Description

### <show-counters-slot>

**Usage**

```
<sctp-show-counters>
  <show-counters-slot>
    <fpc-slot>
      fpc-slot
    </fpc-slot>
    <pic-slot>
      pic-slot
    </pic-slot>
  </show-counters-slot>
</sctp-show-counters>
```

**Description**

## Summary of Security Firewall Response Tags ---

### <application-firewall>

**Usage**

```
<application-firewall>
  <rule-set-info>....</rule-set-info>
</application-firewall>
```

**Description** Information of the application firewall

### <default-rule>

**Usage**

```
<default-rule>
  <action>
    action
  </action>
  <session-matched-counter>
    session-matched-counter
  </session-matched-counter>
</default-rule>
```

**Description** Information of the default rule

### <default-rule>

**Usage**

```
<rule-list>
  <default-rule>
    <action>
      action
    </action>
    <session-matched-counter>
```



```

        session-matched-counter
      </session-matched-counter>
    </default-rule>
  </rule-list>

```

**Description** Information of the default rule

### <default-rule>

#### Usage

```

<application-firewall>
  <rule-set-info>
    <rule-set>
      <rule-list>
        <default-rule>
          <action>
            action
          </action>
          <session-matched-counter>
            session-matched-counter
          </session-matched-counter>
        </default-rule>
      </rule-list>
    </rule-set>
  </rule-set-info>
</application-firewall>

```

**Description** Information of the default rule

### <dynamic-application-group-list>

#### Usage

```

<dynamic-application-group-list>
  <dynamic-application-group>
    dynamic-application-group
  </dynamic-application-group>
</dynamic-application-group-list>

```

**Description** Information of all dynamic application groups

### <dynamic-application-group-list>

#### Usage

```

<rule-list>
  <rule>
    <dynamic-application-group-list>
      <dynamic-application-group>
        dynamic-application-group
      </dynamic-application-group>
    </dynamic-application-group-list>
  </rule>

```

```
</rule-list>
```

**Description** Information of all dynamic application groups

### **<dynamic-application-group-list>**

**Usage**

```
<application-firewall>
  <rule-set-info>
    <rule-set>
      <rule-list>
        <rule>
          <dynamic-application-group-list>
            <dynamic-application-group>
              dynamic-application-group
            </dynamic-application-group>
          </dynamic-application-group-list>
        </rule>
      </rule-list>
    </rule-set>
  </rule-set-info>
</application-firewall>
```

**Description** Information of all dynamic application groups

### **<dynamic-application-list>**

**Usage**

```
<dynamic-application-list>
  <dynamic-application>
    dynamic-application
  </dynamic-application>
</dynamic-application-list>
```

**Description** Information of all dynamic applications

### **<dynamic-application-list>**

**Usage**

```
<rule-list>
  <rule>
    <dynamic-application-list>
      <dynamic-application>
        dynamic-application
      </dynamic-application>
    </dynamic-application-list>
  </rule>
</rule-list>
```

**Description** Information of all dynamic applications

### <dynamic-application-list>

#### Usage

```
<application-firewall>
  <rule-set-info>
    <rule-set>
      <rule-list>
        <rule>
          <dynamic-application-list>
            <dynamic-application>
              dynamic-application
            </dynamic-application>
          </dynamic-application-list>
        </rule>
      </rule-list>
    </rule-set>
  </rule-set-info>
</application-firewall>
```

**Description** Information of all dynamic applications

### <rule>

#### Usage

```
<rule-list>
  <rule>
    <rule-name>
      rule-name
    </rule-name>
    <dynamic-application-list>....</dynamic-application-list>
    <dynamic-application-group-list>....</dynamic-application-group-list>
    <action>
      action
    </action>
    <session-matched-counter>
      session-matched-counter
    </session-matched-counter>
  </rule>
</rule-list>
```

**Description** Information of the rule

### <rule>

#### Usage

```
<application-firewall>
  <rule-set-info>
    <rule-set>
      <rule-list>
        <rule>
```

```

    <rule-name>
      rule-name
    </rule-name>
    <dynamic-application-list>....</dynamic-application-list>
    <dynamic-application-group-list>....</dynamic-application-group-list>
    <action>
      action
    </action>
    <session-matched-counter>
      session-matched-counter
    </session-matched-counter>
  </rule>
</rule-list>
</rule-set>
</rule-set-info>
</application-firewall>

```

**Description** Information of the rule

## <rule-list>

### Usage

```

<rule-list>
  <rule>....</rule>
  <default-rule>....</default-rule>
</rule-list>

```

**Description** Information of all the rules

## <rule-list>

### Usage

```

<application-firewall>
  <rule-set-info>
    <rule-set>
      <rule-list>
        <rule>....</rule>
        <default-rule>....</default-rule>
      </rule-list>
    </rule-set>
  </rule-set-info>
</application-firewall>

```

**Description** Information of all the rules

## <rule-set>

### Usage

```

<application-firewall>
  <rule-set-info>
    <rule-set>

```

```

<rule-set-name>
  rule-set-name
</rule-set-name>
<rule-list>....</rule-list>
<session-pending-counter>
  session-pending-counter
</session-pending-counter>
</rule-set>
</rule-set-info>
</application-firewall>

```

**Description****<rule-set-info>****Usage**

```

<application-firewall>
  <rule-set-info>
    <rule-set>....</rule-set>
  </rule-set-info>
</application-firewall>

```

**Description** Information of the rule-set

## Summary of Security Policy Response Tags

**<alarm>****Usage**

```

<policy-count-alarms>
  <alarm>
    <alarm-count>
      alarm-count
    </alarm-count>
    <alarm-type>
      alarm-type
    </alarm-type>
  </alarm>
</policy-count-alarms>

```

**Description** Information about a single alarm**<alarm>****Usage**

```

<policy-information>
  <policy-count-alarms>
    <alarm>
      <alarm-count>
        alarm-count
      </alarm-count>
    </alarm>
  </policy-count-alarms>

```

```
<alarm-type>
  alarm-type
</alarm-type>
</alarm>
</policy-count-alarms>
</policy-information>
```

**Description** Information about a single alarm

## <alarm>

### Usage

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-count-alarms>
          <alarm>
            <alarm-count>
              alarm-count
            </alarm-count>
            <alarm-type>
              alarm-type
            </alarm-type>
          </alarm>
        </policy-count-alarms>
      </policy-information>
    </policies>
  </security-context>
</security-policies>
```

**Description** Information about a single alarm

## <alarm>

### Usage

```
<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-count-alarms>
          <alarm>
            <alarm-count>
              alarm-count
            </alarm-count>
            <alarm-type>
              alarm-type
            </alarm-type>
          </alarm>
        </policy-count-alarms>
      </policy-information>
    </policies>
```

```

    </security-context>
  </security-dynamic-policies>

```

**Description** Information about a single alarm

### <alarm>

#### Usage

```

<security-policy-match>
  <policy-information>
    <policy-count-alarms>
      <alarm>
        <alarm-count>
          alarm-count
        </alarm-count>
        <alarm-type>
          alarm-type
        </alarm-type>
      </alarm>
    </policy-count-alarms>
  </policy-information>
</security-policy-match>

```

**Description** Information about a single alarm

### <application>

#### Usage

```

<applications>
  <application>
    <application-name>
      application-name
    </application-name>
    <application-term>....</application-term>
  </application>
</applications>

```

**Description** Information about an application in the policy

### <application>

#### Usage

```

<policy-information>
  <applications>
    <application>
      <application-name>
        application-name
      </application-name>
      <application-term>....</application-term>
    </application>
  </applications>

```

</policy-information>

**Description** Information about an application in the policy

## <application>

### Usage

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <applications>
          <application>
            <application-name>
              application-name
            </application-name>
            <application-term>....</application-term>
          </application>
        </applications>
      </policy-information>
    </policies>
  </security-context>
</security-policies>
```

**Description** Information about an application in the policy

## <application>

### Usage

```
<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <applications>
          <application>
            <application-name>
              application-name
            </application-name>
            <application-term>....</application-term>
          </application>
        </applications>
      </policy-information>
    </policies>
  </security-context>
</security-dynamic-policies>
```

**Description** Information about an application in the policy



### <application>

#### Usage

```
<security-policy-match>
  <policy-information>
    <applications>
      <application>
        <application-name>
          application-name
        </application-name>
        <application-term>....</application-term>
      </application>
    </applications>
  </policy-information>
</security-policy-match>
```

**Description** Information about an application in the policy

### <application-firewall>

#### Usage

```
<policy-application-services>
  <application-firewall>
    <rule-set-info>....</rule-set-info>
  </application-firewall>
</policy-application-services>
```

**Description** Information of the application firewall

### <application-firewall>

#### Usage

```
<policy-information>
  <policy-application-services>
    <application-firewall>
      <rule-set-info>....</rule-set-info>
    </application-firewall>
  </policy-application-services>
</policy-information>
```

**Description** Information of the application firewall

### <application-firewall>

#### Usage

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-application-services>
```

```
<application-firewall>
  <rule-set-info>....</rule-set-info>
</application-firewall>
</policy-application-services>
</policy-information>
</policies>
</security-context>
</security-policies>
```

**Description** Information of the application firewall

### <application-firewall>

#### Usage

```
<security-dynamic-policies>
<security-context>
  <policies>
    <policy-information>
      <policy-application-services>
        <application-firewall>
          <rule-set-info>....</rule-set-info>
        </application-firewall>
      </policy-application-services>
    </policy-information>
  </policies>
</security-context>
</security-dynamic-policies>
```

**Description** Information of the application firewall

### <application-firewall>

#### Usage

```
<security-policy-match>
  <policy-information>
    <policy-application-services>
      <application-firewall>
        <rule-set-info>....</rule-set-info>
      </application-firewall>
    </policy-application-services>
  </policy-information>
</security-policy-match>
```

**Description** Information of the application firewall

### <application-term>

#### Usage

```
<applications>
  <application>
    <application-term>
```

```

    <protocol>
      protocol
    </protocol>
    <alg-name>
      alg-name
    </alg-name>
    <inactivity-timeout>
      inactivity-timeout
    </inactivity-timeout>
    <source-port-range>....</source-port-range>
    <destination-port-range>....</destination-port-range>
    <icmp-info>....</icmp-info>
    <rpc-information>....</rpc-information>
  </application-term>
</application>
</applications>

```

**Description** Information about a term within an application

### <application-term>

#### Usage

```

  <policy-information>
    <applications>
      <application>
        <application-term>
          <protocol>
            protocol
          </protocol>
          <alg-name>
            alg-name
          </alg-name>
          <inactivity-timeout>
            inactivity-timeout
          </inactivity-timeout>
          <source-port-range>....</source-port-range>
          <destination-port-range>....</destination-port-range>
          <icmp-info>....</icmp-info>
          <rpc-information>....</rpc-information>
        </application-term>
      </application>
    </applications>
  </policy-information>

```

**Description** Information about a term within an application

### <application-term>

#### Usage

```

  <security-policies>
    <security-context>
      <policies>

```

```
<policy-information>
  <applications>
    <application>
      <application-term>
        <protocol>
          protocol
        </protocol>
        <alg-name>
          alg-name
        </alg-name>
        <inactivity-timeout>
          inactivity-timeout
        </inactivity-timeout>
        <source-port-range>....</source-port-range>
        <destination-port-range>....</destination-port-range>
        <icmp-info>....</icmp-info>
        <rpc-information>....</rpc-information>
      </application-term>
    </application>
  </applications>
</policy-information>
</policies>
</security-context>
</security-policies>
```

**Description** Information about a term within an application

## <application-term>

### Usage

```
<security-dynamic-policies>
<security-context>
  <policies>
    <policy-information>
      <applications>
        <application>
          <application-term>
            <protocol>
              protocol
            </protocol>
            <alg-name>
              alg-name
            </alg-name>
            <inactivity-timeout>
              inactivity-timeout
            </inactivity-timeout>
            <source-port-range>....</source-port-range>
            <destination-port-range>....</destination-port-range>
            <icmp-info>....</icmp-info>
            <rpc-information>....</rpc-information>
          </application-term>
        </application>
      </applications>
    </policy-information>
```

```

    </policies>
  </security-context>
</security-dynamic-policies>

```

**Description** Information about a term within an application

## <application-term>

### Usage

```

<security-policy-match>
  <policy-information>
    <applications>
      <application>
        <application-term>
          <protocol>
            protocol
          </protocol>
          <alg-name>
            alg-name
          </alg-name>
          <inactivity-timeout>
            inactivity-timeout
          </inactivity-timeout>
          <source-port-range>....</source-port-range>
          <destination-port-range>....</destination-port-range>
          <icmp-info>....</icmp-info>
          <rpc-information>....</rpc-information>
        </application-term>
      </application>
    </applications>
  </policy-information>
</security-policy-match>

```

**Description** Information about a term within an application

## <applications>

### Usage

```

<applications>
  <application>....</application>
</applications>

```

### Description

## <applications>

### Usage

```

<policy-information>
  <applications>
    <application>....</application>
  </applications>

```

</policy-information>

#### Description

<applications>

#### Usage

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <applications>
          <application>....</application>
        </applications>
      </policy-information>
    </policies>
  </security-context>
</security-policies>
```

#### Description

<applications>

#### Usage

```
<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <applications>
          <application>....</application>
        </applications>
      </policy-information>
    </policies>
  </security-context>
</security-dynamic-policies>
```

#### Description

<applications>

#### Usage

```
<security-policy-match>
  <policy-information>
    <applications>
      <application>....</application>
    </applications>
  </policy-information>
</security-policy-match>
```

#### Description

**<context-information>****Usage**

```
<context-information>
  <global-context>
    global-context
  </global-context>
  <source-zone-name>
    source-zone-name
  </source-zone-name>
  <destination-zone-name>
    destination-zone-name
  </destination-zone-name>
</context-information>
```

**Description** Information about the logical system, source zone, and destination zone for a policy

**<context-information>****Usage**

```
<policy-information>
  <context-information>
    <global-context>
      global-context
    </global-context>
    <source-zone-name>
      source-zone-name
    </source-zone-name>
    <destination-zone-name>
      destination-zone-name
    </destination-zone-name>
  </context-information>
</policy-information>
```

**Description** Information about the logical system, source zone, and destination zone for a policy

**<context-information>****Usage**

```
<security-policies>
  <security-context>
    <context-information>
      <global-context>
        global-context
      </global-context>
      <source-zone-name>
        source-zone-name
      </source-zone-name>
      <destination-zone-name>
        destination-zone-name
      </destination-zone-name>
    </context-information>
```

```
</security-context>
</security-policies>
```

**Description** Information about the logical system, source zone, and destination zone for a policy

### <context-information>

#### Usage

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <context-information>
          <global-context>
            global-context
          </global-context>
          <source-zone-name>
            source-zone-name
          </source-zone-name>
          <destination-zone-name>
            destination-zone-name
          </destination-zone-name>
        </context-information>
      </policy-information>
    </policies>
  </security-context>
</security-policies>
```

**Description** Information about the logical system, source zone, and destination zone for a policy

### <context-information>

#### Usage

```
<security-dynamic-policies>
  <security-context>
    <context-information>
      <global-context>
        global-context
      </global-context>
      <source-zone-name>
        source-zone-name
      </source-zone-name>
      <destination-zone-name>
        destination-zone-name
      </destination-zone-name>
    </context-information>
  </security-context>
</security-dynamic-policies>
```

**Description** Information about the logical system, source zone, and destination zone for a policy



### <context-information>

#### Usage

```
<security-dynamic-policies>
<security-context>
  <policies>
    <policy-information>
      <context-information>
        <global-context>
          global-context
        </global-context>
        <source-zone-name>
          source-zone-name
        </source-zone-name>
        <destination-zone-name>
          destination-zone-name
        </destination-zone-name>
      </context-information>
    </policy-information>
  </policies>
</security-context>
</security-dynamic-policies>
```

**Description** Information about the logical system, source zone, and destination zone for a policy

### <context-information>

#### Usage

```
<security-policy-match>
  <policy-information>
    <context-information>
      <global-context>
        global-context
      </global-context>
      <source-zone-name>
        source-zone-name
      </source-zone-name>
      <destination-zone-name>
        destination-zone-name
      </destination-zone-name>
    </context-information>
  </policy-information>
</security-policy-match>
```

**Description** Information about the logical system, source zone, and destination zone for a policy

### <default-rule>

#### Usage

```
<policy-application-services>
  <application-firewall>
    <rule-set-info>
```

```
<rule-set>
  <rule-list>
    <default-rule>
      <action>
        action
      </action>
    </default-rule>
  </rule-list>
</rule-set>
</rule-set-info>
</application-firewall>
</policy-application-services>
```

**Description** Information of the default rule

### <default-rule>

#### Usage

```
<policy-information>
  <policy-application-services>
    <application-firewall>
      <rule-set-info>
        <rule-set>
          <rule-list>
            <default-rule>
              <action>
                action
              </action>
            </default-rule>
          </rule-list>
        </rule-set>
      </rule-set-info>
    </application-firewall>
  </policy-application-services>
</policy-information>
```

**Description** Information of the default rule

### <default-rule>

#### Usage

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-application-services>
          <application-firewall>
            <rule-set-info>
              <rule-set>
                <rule-list>
                  <default-rule>
                    <action>
```

```

        action
      </action>
    </default-rule>
  </rule-list>
</rule-set>
</rule-set-info>
</application-firewall>
</policy-application-services>
</policy-information>
</policies>
</security-context>
</security-policies>

```

**Description** Information of the default rule

### <default-rule>

#### Usage

```

<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-application-services>
          <application-firewall>
            <rule-set-info>
              <rule-set>
                <rule-list>
                  <default-rule>
                    <action>
                      action
                    </action>
                  </default-rule>
                </rule-list>
              </rule-set>
            </rule-set-info>
          </application-firewall>
        </policy-application-services>
      </policy-information>
    </policies>
  </security-context>
</security-dynamic-policies>

```

**Description** Information of the default rule

### <default-rule>

#### Usage

```

<security-policy-match>
  <policy-information>
    <policy-application-services>
      <application-firewall>
        <rule-set-info>

```

```
<rule-set>
  <rule-list>
    <default-rule>
      <action>
        action
      </action>
    </default-rule>
  </rule-list>
</rule-set>
</rule-set-info>
</application-firewall>
</policy-application-services>
</policy-information>
</security-policy-match>
```

**Description** Information of the default rule

### <destination-address>

#### Usage

```
<destination-addresses>
  <destination-address>
    <address-name>
      address-name
    </address-name>
    <prefixes>....</prefixes>
  </destination-address>
</destination-addresses>
```

**Description** Information about a destination address

### <destination-address>

#### Usage

```
<policy-information>
  <destination-addresses>
    <destination-address>
      <address-name>
        address-name
      </address-name>
      <prefixes>....</prefixes>
    </destination-address>
  </destination-addresses>
</policy-information>
```

**Description** Information about a destination address

### <destination-address>

#### Usage

```
<security-policies>
```

```

<security-context>
  <policies>
    <policy-information>
      <destination-addresses>
        <destination-address>
          <address-name>
            address-name
          </address-name>
          <prefixes>....</prefixes>
        </destination-address>
      </destination-addresses>
    </policy-information>
  </policies>
</security-context>
</security-policies>

```

**Description** Information about a destination address

### <destination-address>

#### Usage

```

<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <destination-addresses>
          <destination-address>
            <address-name>
              address-name
            </address-name>
            <prefixes>....</prefixes>
          </destination-address>
        </destination-addresses>
      </policy-information>
    </policies>
  </security-context>
</security-dynamic-policies>

```

**Description** Information about a destination address

### <destination-address>

#### Usage

```

<security-policy-match>
  <policy-information>
    <destination-addresses>
      <destination-address>
        <address-name>
          address-name
        </address-name>
        <prefixes>....</prefixes>
      </destination-address>
    </destination-addresses>
  </policy-information>
</security-policy-match>

```

```
    </destination-addresses>
  </policy-information>
</security-policy-match>
```

**Description** Information about a destination address

### <destination-addresses>

**Usage**

```
<destination-addresses>
  <destination-address>....</destination-address>
</destination-addresses>
```

**Description** Information about the destination addresses

### <destination-addresses>

**Usage**

```
<policy-information>
  <destination-addresses>
    <destination-address>....</destination-address>
  </destination-addresses>
</policy-information>
```

**Description** Information about the destination addresses

### <destination-addresses>

**Usage**

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <destination-addresses>
          <destination-address>....</destination-address>
        </destination-addresses>
      </policy-information>
    </policies>
  </security-context>
</security-policies>
```

**Description** Information about the destination addresses

### <destination-addresses>

**Usage**

```
<security-dynamic-policies>
  <security-context>
    <policies>
```

```
<policy-information>
  <destination-addresses>
    <destination-address>....</destination-address>
  </destination-addresses>
</policy-information>
</policies>
</security-context>
</security-dynamic-policies>
```

**Description** Information about the destination addresses

### <destination-addresses>

#### Usage

```
<security-policy-match>
  <policy-information>
    <destination-addresses>
      <destination-address>....</destination-address>
    </destination-addresses>
  </policy-information>
</security-policy-match>
```

**Description** Information about the destination addresses

### <destination-port-range>

#### Usage

```
<applications>
  <application>
    <application-term>
      <destination-port-range>
        <low>
          low
        </low>
        <high>
          high
        </high>
      </destination-port-range>
    </application-term>
  </application>
</applications>
```

**Description** Range of the destination ports

### <destination-port-range>

#### Usage

```
<policy-information>
  <applications>
    <application>
      <application-term>
```

```
<destination-port-range>
  <low>
    low
  </low>
  <high>
    high
  </high>
</destination-port-range>
</application-term>
</application>
</applications>
</policy-information>
```

**Description** Range of the destination ports

### <destination-port-range>

#### Usage

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <applications>
          <application>
            <application-term>
              <destination-port-range>
                <low>
                  low
                </low>
                <high>
                  high
                </high>
              </destination-port-range>
            </application-term>
          </application>
        </applications>
      </policy-information>
    </policies>
  </security-context>
</security-policies>
```

**Description** Range of the destination ports

### <destination-port-range>

#### Usage

```
<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <applications>
          <application>
```



```

    <application-term>
      <destination-port-range>
        <low>
          low
        </low>
        <high>
          high
        </high>
      </destination-port-range>
    </application-term>
  </application>
</applications>
</policy-information>
</policies>
</security-context>
</security-dynamic-policies>

```

**Description** Range of the destination ports

### <destination-port-range>

#### Usage

```

<security-policy-match>
  <policy-information>
    <applications>
      <application>
        <application-term>
          <destination-port-range>
            <low>
              low
            </low>
            <high>
              high
            </high>
          </destination-port-range>
        </application-term>
      </application>
    </applications>
  </policy-information>
</security-policy-match>

```

**Description** Range of the destination ports

### <dynamic-application-group-list>

#### Usage

```

<dynamic-application-group-list>
  <dynamic-application-group>
    dynamic-application-group
  </dynamic-application-group>
</dynamic-application-group-list>

```

**Description** Information of all dynamic application group

### <dynamic-application-group-list>

**Usage**

```
<policy-application-services>
  <application-firewall>
    <rule-set-info>
      <rule-set>
        <rule-list>
          <rule>
            <dynamic-application-group-list>
              <dynamic-application-group>
                dynamic-application-group
              </dynamic-application-group>
            </dynamic-application-group-list>
          </rule>
        </rule-list>
      </rule-set>
    </rule-set-info>
  </application-firewall>
</policy-application-services>
```

**Description** Information of all dynamic application group

### <dynamic-application-group-list>

**Usage**

```
<policy-information>
  <policy-application-services>
    <application-firewall>
      <rule-set-info>
        <rule-set>
          <rule-list>
            <rule>
              <dynamic-application-group-list>
                <dynamic-application-group>
                  dynamic-application-group
                </dynamic-application-group>
              </dynamic-application-group-list>
            </rule>
          </rule-list>
        </rule-set>
      </rule-set-info>
    </application-firewall>
  </policy-application-services>
</policy-information>
```

**Description** Information of all dynamic application group

**<dynamic-application-group-list>****Usage**

```

<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-application-services>
          <application-firewall>
            <rule-set-info>
              <rule-set>
                <rule-list>
                  <rule>
                    <dynamic-application-group-list>
                      <dynamic-application-group>
                        dynamic-application-group
                      </dynamic-application-group>
                    </dynamic-application-group-list>
                  </rule>
                </rule-list>
              </rule-set>
            </rule-set-info>
          </application-firewall>
        </policy-application-services>
      </policy-information>
    </policies>
  </security-context>
</security-policies>

```

**Description** Information of all dynamic application group

**<dynamic-application-group-list>****Usage**

```

<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-application-services>
          <application-firewall>
            <rule-set-info>
              <rule-set>
                <rule-list>
                  <rule>
                    <dynamic-application-group-list>
                      <dynamic-application-group>
                        dynamic-application-group
                      </dynamic-application-group>
                    </dynamic-application-group-list>
                  </rule>
                </rule-list>
              </rule-set>
            </rule-set-info>

```

```
</application-firewall>
</policy-application-services>
</policy-information>
</policies>
</security-context>
</security-dynamic-policies>
```

**Description** Information of all dynamic application group

### <dynamic-application-group-list>

#### Usage

```
<security-policy-match>
<policy-information>
<policy-application-services>
<application-firewall>
<rule-set-info>
<rule-set>
<rule-list>
<rule>
<dynamic-application-group-list>
<dynamic-application-group>
dynamic-application-group
</dynamic-application-group>
</dynamic-application-group-list>
</rule>
</rule-list>
</rule-set>
</rule-set-info>
</application-firewall>
</policy-application-services>
</policy-information>
</security-policy-match>
```

**Description** Information of all dynamic application group

### <dynamic-application-list>

#### Usage

```
<dynamic-application-list>
<dynamic-application>
dynamic-application
</dynamic-application>
</dynamic-application-list>
```

**Description** Information of all dynamic application

### <dynamic-application-list>

#### Usage

```
<policy-application-services>
```

```

<application-firewall>
  <rule-set-info>
    <rule-set>
      <rule-list>
        <rule>
          <dynamic-application-list>
            <dynamic-application>
              dynamic-application
            </dynamic-application>
          </dynamic-application-list>
        </rule>
      </rule-list>
    </rule-set>
  </rule-set-info>
</application-firewall>
</policy-application-services>

```

**Description** Information of all dynamic application

### <dynamic-application-list>

#### Usage

```

<policy-information>
  <policy-application-services>
    <application-firewall>
      <rule-set-info>
        <rule-set>
          <rule-list>
            <rule>
              <dynamic-application-list>
                <dynamic-application>
                  dynamic-application
                </dynamic-application>
              </dynamic-application-list>
            </rule>
          </rule-list>
        </rule-set>
      </rule-set-info>
    </application-firewall>
  </policy-application-services>
</policy-information>

```

**Description** Information of all dynamic application

### <dynamic-application-list>

#### Usage

```

<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-application-services>

```

```
<application-firewall>
  <rule-set-info>
    <rule-set>
      <rule-list>
        <rule>
          <dynamic-application-list>
            <dynamic-application>
              dynamic-application
            </dynamic-application>
          </dynamic-application-list>
        </rule>
      </rule-list>
    </rule-set>
  </rule-set-info>
</application-firewall>
</policy-application-services>
</policy-information>
</policies>
</security-context>
</security-policies>
```

**Description** Information of all dynamic application

### <dynamic-application-list>

#### Usage

```
<security-dynamic-policies>
<security-context>
  <policies>
    <policy-information>
      <policy-application-services>
        <application-firewall>
          <rule-set-info>
            <rule-set>
              <rule-list>
                <rule>
                  <dynamic-application-list>
                    <dynamic-application>
                      dynamic-application
                    </dynamic-application>
                  </dynamic-application-list>
                </rule>
              </rule-list>
            </rule-set>
          </rule-set-info>
        </application-firewall>
      </policy-application-services>
    </policy-information>
  </policies>
</security-context>
</security-dynamic-policies>
```

**Description** Information of all dynamic application

## <dynamic-application-list>

### Usage

```
<security-policy-match>
  <policy-information>
    <policy-application-services>
      <application-firewall>
        <rule-set-info>
          <rule-set>
            <rule-list>
              <rule>
                <dynamic-application-list>
                  <dynamic-application>
                    dynamic-application
                  </dynamic-application>
                </dynamic-application-list>
              </rule>
            </rule-list>
          </rule-set>
        </rule-set-info>
      </application-firewall>
    </policy-application-services>
  </policy-information>
</security-policy-match>
```

**Description** Information of all dynamic application

## <icmp-info>

### Usage

```
<applications>
  <application>
    <application-term>
      <icmp-info>
        <icmp-type>
          icmp-type
        </icmp-type>
        <icmp-code>
          icmp-code
        </icmp-code>
      </icmp-info>
    </application-term>
  </application>
</applications>
```

**Description** ICMP type information

## <icmp-info>

### Usage

```
<policy-information>
  <applications>
```

```
<application>
  <application-term>
    <icmp-info>
      <icmp-type>
        icmp-type
      </icmp-type>
      <icmp-code>
        icmp-code
      </icmp-code>
    </icmp-info>
  </application-term>
</application>
</applications>
</policy-information>
```

**Description** ICMP type information

### <icmp-info>

#### Usage

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <applications>
          <application>
            <application-term>
              <icmp-info>
                <icmp-type>
                  icmp-type
                </icmp-type>
                <icmp-code>
                  icmp-code
                </icmp-code>
              </icmp-info>
            </application-term>
          </application>
        </applications>
      </policy-information>
    </policies>
  </security-context>
</security-policies>
```

**Description** ICMP type information

### <icmp-info>

#### Usage

```
<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
```



```

<applications>
  <application>
    <application-term>
      <icmp-info>
        <icmp-type>
          icmp-type
        </icmp-type>
        <icmp-code>
          icmp-code
        </icmp-code>
      </icmp-info>
    </application-term>
  </application>
</applications>
</policy-information>
</policies>
</security-context>
</security-dynamic-policies>

```

**Description** ICMP type information

### <icmp-info>

#### Usage

```

<security-policy-match>
  <policy-information>
    <applications>
      <application>
        <application-term>
          <icmp-info>
            <icmp-type>
              icmp-type
            </icmp-type>
            <icmp-code>
              icmp-code
            </icmp-code>
          </icmp-info>
        </application-term>
      </application>
    </applications>
  </policy-information>
</security-policy-match>

```

**Description** ICMP type information

### <policies>

#### Usage

```

<security-policies>
  <security-context>
    <policies>
      <policy-information>....</policy-information>
    
```

```
</policies>
</security-context>
</security-policies>
```

#### Description

### <policies>

#### Usage

```
<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>....</policy-information>
    </policies>
  </security-context>
</security-dynamic-policies>
```

#### Description

### <policy-action>

#### Usage

```
<policy-action>
  <action-type>
    action-type
  </action-type>
  <tunnel>
    tunnel
  </tunnel>
  <nat-source>
    nat-source
  </nat-source>
  <nat-destination>
    nat-destination
  </nat-destination>
  <firewall-authentication>
    firewall-authentication
  </firewall-authentication>
  <fast-forward>
    fast-forward
  </fast-forward>
  <application-services>
    application-services
  </application-services>
  <uac-enabled>
    uac-enabled
  </uac-enabled>
  <log>
    log
  </log>
  <count>
    count
  </count>
  <scheduled>
```

```

    scheduled
  </scheduled>
</policy-action>

```

**Description** Action specified in the policy

## <policy-action>

### Usage

```

<policy-information>
  <policy-action>
    <action-type>
      action-type
    </action-type>
    <tunnel>
      tunnel
    </tunnel>
    <nat-source>
      nat-source
    </nat-source>
    <nat-destination>
      nat-destination
    </nat-destination>
    <firewall-authentication>
      firewall-authentication
    </firewall-authentication>
    <fast-forward>
      fast-forward
    </fast-forward>
    <application-services>
      application-services
    </application-services>
    <uac-enabled>
      uac-enabled
    </uac-enabled>
    <log>
      log
    </log>
    <count>
      count
    </count>
    <scheduled>
      scheduled
    </scheduled>
  </policy-action>
</policy-information>

```

**Description** Action specified in the policy

## <policy-action>

### Usage

```
<security-policies>
<security-context>
  <policies>
    <policy-information>
      <policy-action>
        <action-type>
          action-type
        </action-type>
        <tunnel>
          tunnel
        </tunnel>
        <nat-source>
          nat-source
        </nat-source>
        <nat-destination>
          nat-destination
        </nat-destination>
        <firewall-authentication>
          firewall-authentication
        </firewall-authentication>
        <fast-forward>
          fast-forward
        </fast-forward>
        <application-services>
          application-services
        </application-services>
        <uac-enabled>
          uac-enabled
        </uac-enabled>
        <log>
          log
        </log>
        <count>
          count
        </count>
        <scheduled>
          scheduled
        </scheduled>
      </policy-action>
    </policy-information>
  </policies>
</security-context>
</security-policies>
```

**Description**    Action specified in the policy

## <policy-action>

### Usage

```
<security-dynamic-policies>
```

```

<security-context>
  <policies>
    <policy-information>
      <policy-action>
        <action-type>
          action-type
        </action-type>
        <tunnel>
          tunnel
        </tunnel>
        <nat-source>
          nat-source
        </nat-source>
        <nat-destination>
          nat-destination
        </nat-destination>
        <firewall-authentication>
          firewall-authentication
        </firewall-authentication>
        <fast-forward>
          fast-forward
        </fast-forward>
        <application-services>
          application-services
        </application-services>
        <uac-enabled>
          uac-enabled
        </uac-enabled>
        <log>
          log
        </log>
        <count>
          count
        </count>
        <scheduled>
          scheduled
        </scheduled>
      </policy-action>
    </policy-information>
  </policies>
</security-context>
</security-dynamic-policies>

```

**Description** Action specified in the policy

## <policy-action>

### Usage

```

<security-policy-match>
  <policy-information>
    <policy-action>
      <action-type>
        action-type
      </action-type>

```

```
<tunnel>
  tunnel
</tunnel>
<nat-source>
  nat-source
</nat-source>
<nat-destination>
  nat-destination
</nat-destination>
<firewall-authentication>
  firewall-authentication
</firewall-authentication>
<fast-forward>
  fast-forward
</fast-forward>
<application-services>
  application-services
</application-services>
<uac-enabled>
  uac-enabled
</uac-enabled>
<log>
  log
</log>
<count>
  count
</count>
<scheduled>
  scheduled
</scheduled>
</policy-action>
</policy-information>
</security-policy-match>
```

**Description** Action specified in the policy

### <policy-application-services>

#### Usage

```
<policy-application-services>
  <gprs-gtp-profile>
    gprs-gtp-profile
  </gprs-gtp-profile>
  <gprs-sctp-profile>
    gprs-sctp-profile
  </gprs-sctp-profile>
  <idp>
    idp
  </idp>
  <uac-policy>
    uac-policy
  </uac-policy>
  <application-firewall>....</application-firewall>
  <utm>
```

```

    utm
  </utm>
  <wan-acceleration>
    wan-acceleration
  </wan-acceleration>
  <wx-optimizer>....</wx-optimizer>
</policy-application-services>

```

**Description** Application services

### <policy-application-services>

#### Usage

```

<policy-information>
  <policy-application-services>
    <gprs-gtp-profile>
      gprs-gtp-profile
    </gprs-gtp-profile>
    <gprs-sctp-profile>
      gprs-sctp-profile
    </gprs-sctp-profile>
    <idp>
      idp
    </idp>
    <uac-policy>
      uac-policy
    </uac-policy>
    <application-firewall>....</application-firewall>
    <utm>
      utm
    </utm>
    <wan-acceleration>
      wan-acceleration
    </wan-acceleration>
    <wx-optimizer>....</wx-optimizer>
  </policy-application-services>
</policy-information>

```

**Description** Application services

### <policy-application-services>

#### Usage

```

<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-application-services>
          <gprs-gtp-profile>
            gprs-gtp-profile
          </gprs-gtp-profile>
          <gprs-sctp-profile>

```

```
    gprs-sctp-profile
  </gprs-sctp-profile>
  <idp>
    idp
  </idp>
  <uac-policy>
    uac-policy
  </uac-policy>
  <application-firewall>....</application-firewall>
  <utm>
    utm
  </utm>
  <wan-acceleration>
    wan-acceleration
  </wan-acceleration>
  <wx-optimizer>....</wx-optimizer>
</policy-application-services>
</policy-information>
</policies>
</security-context>
</security-policies>
```

**Description**    Application services

### <policy-application-services>

#### Usage

```
<security-dynamic-policies>
<security-context>
  <policies>
    <policy-information>
      <policy-application-services>
        <gprs-gtp-profile>
          gprs-gtp-profile
        </gprs-gtp-profile>
        <gprs-sctp-profile>
          gprs-sctp-profile
        </gprs-sctp-profile>
        <idp>
          idp
        </idp>
        <uac-policy>
          uac-policy
        </uac-policy>
        <application-firewall>....</application-firewall>
        <utm>
          utm
        </utm>
        <wan-acceleration>
          wan-acceleration
        </wan-acceleration>
        <wx-optimizer>....</wx-optimizer>
      </policy-application-services>
    </policy-information>
```



```

    </policies>
  </security-context>
</security-dynamic-policies>

```

**Description** Application services

### <policy-application-services>

#### Usage

```

<security-policy-match>
  <policy-information>
    <policy-application-services>
      <gprs-gtp-profile>
        gprs-gtp-profile
      </gprs-gtp-profile>
      <gprs-sctp-profile>
        gprs-sctp-profile
      </gprs-sctp-profile>
      <idp>
        idp
      </idp>
      <uac-policy>
        uac-policy
      </uac-policy>
      <application-firewall>....</application-firewall>
      <utm>
        utm
      </utm>
      <wan-acceleration>
        wan-acceleration
      </wan-acceleration>
      <wx-optimizer>....</wx-optimizer>
    </policy-application-services>
  </policy-information>
</security-policy-match>

```

**Description** Application services

### <policy-context-checksum-entry>

#### Usage

```

<policy-context-checksum-info>
  <policy-context-checksum-entry>
    <source-zone-name>
      source-zone-name
    </source-zone-name>
    <destination-zone-name>
      destination-zone-name
    </destination-zone-name>
    <context-checksum>
      context-checksum
    </context-checksum>
  </policy-context-checksum-entry>
</policy-context-checksum-info>

```

```
</policy-context-checksum-entry>
</policy-context-checksum-info>
```

**Description** Information about a context

### <policy-context-checksum-entry>

#### Usage

```
<security-policies>
  <policy-context-checksum-info>
    <policy-context-checksum-entry>
      <source-zone-name>
        source-zone-name
      </source-zone-name>
      <destination-zone-name>
        destination-zone-name
      </destination-zone-name>
      <context-checksum>
        context-checksum
      </context-checksum>
    </policy-context-checksum-entry>
  </policy-context-checksum-info>
</security-policies>
```

**Description** Information about a context

### <policy-context-checksum-info>

#### Usage

```
<policy-context-checksum-info>
  <policy-context-checksum-entry>....</policy-context-checksum-entry>
</policy-context-checksum-info>
```

**Description** Show policy checksum

### <policy-context-checksum-info>

#### Usage

```
<security-policies>
  <policy-context-checksum-info>
    <policy-context-checksum-entry>....</policy-context-checksum-entry>
  </policy-context-checksum-info>
</security-policies>
```

**Description** Show policy checksum

**<policy-count-alarms>****Usage**

```
<policy-count-alarms>
  <alarm>....</alarm>
</policy-count-alarms>
```

**Description** Information about alarms for the policy

**<policy-count-alarms>****Usage**

```
<policy-information>
  <policy-count-alarms>
    <alarm>....</alarm>
  </policy-count-alarms>
</policy-information>
```

**Description** Information about alarms for the policy

**<policy-count-alarms>****Usage**

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-count-alarms>
          <alarm>....</alarm>
        </policy-count-alarms>
      </policy-information>
    </policies>
  </security-context>
</security-policies>
```

**Description** Information about alarms for the policy

**<policy-count-alarms>****Usage**

```
<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-count-alarms>
          <alarm>....</alarm>
        </policy-count-alarms>
      </policy-information>
    </policies>
  </security-context>
```

```
</security-dynamic-policies>
```

**Description** Information about alarms for the policy

### <policy-count-alarms>

**Usage**

```
<security-policy-match>
  <policy-information>
    <policy-count-alarms>
      <alarm>....</alarm>
    </policy-count-alarms>
  </policy-information>
</security-policy-match>
```

**Description** Information about alarms for the policy

### <policy-firewall-authentication>

**Usage**

```
<policy-firewall-authentication>
  <authentication-type>
    authentication-type
  </authentication-type>
  <access-profile-name>
    access-profile-name
  </access-profile-name>
  <client-match-name>
    client-match-name
  </client-match-name>
  <web-redirect>
    web-redirect
  </web-redirect>
</policy-firewall-authentication>
```

**Description** Information about firewall authentication in the policy

### <policy-firewall-authentication>

**Usage**

```
<policy-information>
  <policy-firewall-authentication>
    <authentication-type>
      authentication-type
    </authentication-type>
    <access-profile-name>
      access-profile-name
    </access-profile-name>
    <client-match-name>
      client-match-name
    </client-match-name>
```

```
<web-redirect>
  web-redirect
</web-redirect>
</policy-firewall-authentication>
</policy-information>
```

**Description** Information about firewall authentication in the policy

### <policy-firewall-authentication>

#### Usage

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-firewall-authentication>
          <authentication-type>
            authentication-type
          </authentication-type>
          <access-profile-name>
            access-profile-name
          </access-profile-name>
          <client-match-name>
            client-match-name
          </client-match-name>
          <web-redirect>
            web-redirect
          </web-redirect>
        </policy-firewall-authentication>
      </policy-information>
    </policies>
  </security-context>
</security-policies>
```

**Description** Information about firewall authentication in the policy

### <policy-firewall-authentication>

#### Usage

```
<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-firewall-authentication>
          <authentication-type>
            authentication-type
          </authentication-type>
          <access-profile-name>
            access-profile-name
          </access-profile-name>
          <client-match-name>
            client-match-name
        </policy-firewall-authentication>
      </policy-information>
    </policies>
  </security-context>
</security-dynamic-policies>
```

```
</client-match-name>
<web-redirect>
  web-redirect
</web-redirect>
</policy-firewall-authentication>
</policy-information>
</policies>
</security-context>
</security-dynamic-policies>
```

**Description** Information about firewall authentication in the policy

### <policy-firewall-authentication>

#### Usage

```
<security-policy-match>
<policy-information>
  <policy-firewall-authentication>
    <authentication-type>
      authentication-type
    </authentication-type>
    <access-profile-name>
      access-profile-name
    </access-profile-name>
    <client-match-name>
      client-match-name
    </client-match-name>
    <web-redirect>
      web-redirect
    </web-redirect>
  </policy-firewall-authentication>
</policy-information>
</security-policy-match>
```

**Description** Information about firewall authentication in the policy

### <policy-information>

#### Usage

```
<policy-information>
  <policy-name>
    policy-name
  </policy-name>
  <policy-identifier>
    policy-identifier
  </policy-identifier>
  <scope-policy-identifier>
    scope-policy-identifier
  </scope-policy-identifier>
  <policy-sequence-number>
    policy-sequence-number
  </policy-sequence-number>
```

```

<policy-action>....</policy-action>
<policy-state>
  policy-state
</policy-state>
<context-information>....</context-information>
<policy-type-information>....</policy-type-information>
<source-addresses>....</source-addresses>
<destination-addresses>....</destination-addresses>
<applications>....</applications>
<policy-tcp-options>....</policy-tcp-options>
<policy-tunnel>....</policy-tunnel>
<policy-firewall-authentication>....</policy-firewall-authentication>
<policy-application-services>....</policy-application-services>
<policy-count-alarms>....</policy-count-alarms>
<policy-log>....</policy-log>
<policy-scheduler>....</policy-scheduler>
<policy-statistics-information>....</policy-statistics-information>
</policy-information>

```

**Description** Information about security policies

## <policy-information>

### Usage

```

<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-name>
          policy-name
        </policy-name>
        <policy-identifier>
          policy-identifier
        </policy-identifier>
        <scope-policy-identifier>
          scope-policy-identifier
        </scope-policy-identifier>
        <policy-sequence-number>
          policy-sequence-number
        </policy-sequence-number>
        <policy-action>....</policy-action>
        <policy-state>
          policy-state
        </policy-state>
        <context-information>....</context-information>
        <policy-type-information>....</policy-type-information>
        <source-addresses>....</source-addresses>
        <destination-addresses>....</destination-addresses>
        <applications>....</applications>
        <policy-tcp-options>....</policy-tcp-options>
        <policy-tunnel>....</policy-tunnel>
        <policy-firewall-authentication>....</policy-firewall-authentication>
        <policy-application-services>....</policy-application-services>
        <policy-count-alarms>....</policy-count-alarms>
      </policy-information>
    </policies>
  </security-context>
</security-policies>

```

```
<policy-log>....</policy-log>
<policy-scheduler>....</policy-scheduler>
<policy-statistics-information>....</policy-statistics-information>
</policy-information>
</policies>
</security-context>
</security-policies>
```

**Description** Information about security policies

## <policy-information>

### Usage

```
<security-dynamic-policies>
<security-context>
<policies>
  <policy-information>
    <policy-name>
      policy-name
    </policy-name>
    <policy-identifier>
      policy-identifier
    </policy-identifier>
    <scope-policy-identifier>
      scope-policy-identifier
    </scope-policy-identifier>
    <policy-sequence-number>
      policy-sequence-number
    </policy-sequence-number>
    <policy-action>....</policy-action>
    <policy-state>
      policy-state
    </policy-state>
    <context-information>....</context-information>
    <policy-type-information>....</policy-type-information>
    <source-addresses>....</source-addresses>
    <destination-addresses>....</destination-addresses>
    <applications>....</applications>
    <policy-tcp-options>....</policy-tcp-options>
    <policy-tunnel>....</policy-tunnel>
    <policy-firewall-authentication>....</policy-firewall-authentication>
    <policy-application-services>....</policy-application-services>
    <policy-count-alarms>....</policy-count-alarms>
    <policy-log>....</policy-log>
    <policy-scheduler>....</policy-scheduler>
    <policy-statistics-information>....</policy-statistics-information>
  </policy-information>
</policies>
</security-context>
</security-dynamic-policies>
```

**Description** Information about security policies



## <policy-information>

### Usage

```

<security-policy-match>
  <policy-information>
    <policy-name>
      policy-name
    </policy-name>
    <policy-identifier>
      policy-identifier
    </policy-identifier>
    <scope-policy-identifier>
      scope-policy-identifier
    </scope-policy-identifier>
    <policy-sequence-number>
      policy-sequence-number
    </policy-sequence-number>
    <policy-action>....</policy-action>
    <policy-state>
      policy-state
    </policy-state>
    <context-information>....</context-information>
    <policy-type-information>....</policy-type-information>
    <source-addresses>....</source-addresses>
    <destination-addresses>....</destination-addresses>
    <applications>....</applications>
    <policy-tcp-options>....</policy-tcp-options>
    <policy-tunnel>....</policy-tunnel>
    <policy-firewall-authentication>....</policy-firewall-authentication>
    <policy-application-services>....</policy-application-services>
    <policy-count-alarms>....</policy-count-alarms>
    <policy-log>....</policy-log>
    <policy-scheduler>....</policy-scheduler>
    <policy-statistics-information>....</policy-statistics-information>
  </policy-information>
</security-policy-match>

```

**Description** Information about security policies

## <policy-internal-information>

### Usage

```

<policy-internal-information>
  <current-policies>
    current-policies
  </current-policies>
  <maximum-policies>
    maximum-policies
  </maximum-policies>
  <current-policy-context>
    current-policy-context
  </current-policy-context>
  <maximum-policy-context>
    maximum-policy-context
  </maximum-policy-context>

```

```
    maximum-policy-context
  </maximum-policy-context>
  <current-policy-per-context>
    current-policy-per-context
  </current-policy-per-context>
  <maximum-policy-per-context>
    maximum-policy-per-context
  </maximum-policy-per-context>
  <current-statistic-counters>
    current-statistic-counters
  </current-statistic-counters>
  <maximum-statistic-counters>
    maximum-statistic-counters
  </maximum-statistic-counters>
  <current-source-address-per-policy>
    current-source-address-per-policy
  </current-source-address-per-policy>
  <maximum-source-address-per-policy>
    maximum-source-address-per-policy
  </maximum-source-address-per-policy>
  <current-destination-address-per-policy>
    current-destination-address-per-policy
  </current-destination-address-per-policy>
  <maximum-destination-address-per-policy>
    maximum-destination-address-per-policy
  </maximum-destination-address-per-policy>
  <current-application-per-policy>
    current-application-per-policy
  </current-application-per-policy>
  <maximum-application-per-policy>
    maximum-application-per-policy
  </maximum-application-per-policy>
  <messages-received>
    messages-received
  </messages-received>
  <messages-rejected>
    messages-rejected
  </messages-rejected>
  <add-received>
    add-received
  </add-received>
  <delete-received>
    delete-received
  </delete-received>
  <clear-received>
    clear-received
  </clear-received>
  <invalid-received>
    invalid-received
  </invalid-received>
  <add-pfe>
    add-pfe
  </add-pfe>
  <delete-pfe>
    delete-pfe
  </delete-pfe>
```

```

<clear-pfe>
  clear-pfe
</clear-pfe>
<add-success>
  add-success
</add-success>
<delete-success>
  delete-success
</delete-success>
<clear-success>
  clear-success
</clear-success>
<add-failed>
  add-failed
</add-failed>
<delete-failed>
  delete-failed
</delete-failed>
<clear-failed>
  clear-failed
</clear-failed>
<ssam-sent>
  ssam-sent
</ssam-sent>
<ssam-success>
  ssam-success
</ssam-success>
<ssam-failed>
  ssam-failed
</ssam-failed>
<invalid-configuration>
  invalid-configuration
</invalid-configuration>
<invalid-scope>
  invalid-scope
</invalid-scope>
</policy-internal-information>

```

**Description** Information about the policy

## <policy-internal-information>

### Usage

```

<security-policies>
  <policy-internal-information>
    <current-policies>
      current-policies
    </current-policies>
    <maximum-policies>
      maximum-policies
    </maximum-policies>
    <current-policy-context>
      current-policy-context
    </current-policy-context>
  </policy-internal-information>
</security-policies>

```

```
<maximum-policy-context>
  maximum-policy-context
</maximum-policy-context>
<current-policy-per-context>
  current-policy-per-context
</current-policy-per-context>
<maximum-policy-per-context>
  maximum-policy-per-context
</maximum-policy-per-context>
<current-statistic-counters>
  current-statistic-counters
</current-statistic-counters>
<maximum-statistic-counters>
  maximum-statistic-counters
</maximum-statistic-counters>
<current-source-address-per-policy>
  current-source-address-per-policy
</current-source-address-per-policy>
<maximum-source-address-per-policy>
  maximum-source-address-per-policy
</maximum-source-address-per-policy>
<current-destination-address-per-policy>
  current-destination-address-per-policy
</current-destination-address-per-policy>
<maximum-destination-address-per-policy>
  maximum-destination-address-per-policy
</maximum-destination-address-per-policy>
<current-application-per-policy>
  current-application-per-policy
</current-application-per-policy>
<maximum-application-per-policy>
  maximum-application-per-policy
</maximum-application-per-policy>
<messages-received>
  messages-received
</messages-received>
<messages-rejected>
  messages-rejected
</messages-rejected>
<add-received>
  add-received
</add-received>
<delete-received>
  delete-received
</delete-received>
<clear-received>
  clear-received
</clear-received>
<invalid-received>
  invalid-received
</invalid-received>
<add-pfe>
  add-pfe
</add-pfe>
<delete-pfe>
  delete-pfe
```

```

</delete-pfe>
<clear-pfe>
  clear-pfe
</clear-pfe>
<add-success>
  add-success
</add-success>
<delete-success>
  delete-success
</delete-success>
<clear-success>
  clear-success
</clear-success>
<add-failed>
  add-failed
</add-failed>
<delete-failed>
  delete-failed
</delete-failed>
<clear-failed>
  clear-failed
</clear-failed>
<ssam-sent>
  ssam-sent
</ssam-sent>
<ssam-success>
  ssam-success
</ssam-success>
<ssam-failed>
  ssam-failed
</ssam-failed>
<invalid-configuration>
  invalid-configuration
</invalid-configuration>
<invalid-scope>
  invalid-scope
</invalid-scope>
</policy-internal-information>
</security-policies>

```

**Description** Information about the policy

## <policy-log>

### Usage

```

<policy-log>
  <log-session-creation>
    log-session-creation
  </log-session-creation>
  <log-session-close>
    log-session-close
  </log-session-close>
</policy-log>

```

**Description** Information about logging for the policy

### <policy-log>

**Usage**

```
<policy-information>
  <policy-log>
    <log-session-creation>
      log-session-creation
    </log-session-creation>
    <log-session-close>
      log-session-close
    </log-session-close>
  </policy-log>
</policy-information>
```

**Description** Information about logging for the policy

### <policy-log>

**Usage**

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-log>
          <log-session-creation>
            log-session-creation
          </log-session-creation>
          <log-session-close>
            log-session-close
          </log-session-close>
        </policy-log>
      </policy-information>
    </policies>
  </security-context>
</security-policies>
```

**Description** Information about logging for the policy

### <policy-log>

**Usage**

```
<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-log>
          <log-session-creation>
            log-session-creation
          </log-session-creation>
          <log-session-close>
```

```
        log-session-close
      </log-session-close>
    </policy-log>
  </policy-information>
</policies>
</security-context>
</security-dynamic-policies>
```

**Description** Information about logging for the policy

### <policy-log>

#### Usage

```
<security-policy-match>
  <policy-information>
    <policy-log>
      <log-session-creation>
        log-session-creation
      </log-session-creation>
      <log-session-close>
        log-session-close
      </log-session-close>
    </policy-log>
  </policy-information>
</security-policy-match>
```

**Description** Information about logging for the policy

### <policy-scheduler>

#### Usage

```
<policy-scheduler>
  <attached-scheduler-name>
    attached-scheduler-name
  </attached-scheduler-name>
</policy-scheduler>
```

**Description** Information about scheduler attached to the policy

### <policy-scheduler>

#### Usage

```
<policy-information>
  <policy-scheduler>
    <attached-scheduler-name>
      attached-scheduler-name
    </attached-scheduler-name>
  </policy-scheduler>
</policy-information>
```

**Description** Information about scheduler attached to the policy

### <policy-scheduler>

#### Usage

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-scheduler>
          <attached-scheduler-name>
            attached-scheduler-name
          </attached-scheduler-name>
        </policy-scheduler>
      </policy-information>
    </policies>
  </security-context>
</security-policies>
```

**Description** Information about scheduler attached to the policy

### <policy-scheduler>

#### Usage

```
<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-scheduler>
          <attached-scheduler-name>
            attached-scheduler-name
          </attached-scheduler-name>
        </policy-scheduler>
      </policy-information>
    </policies>
  </security-context>
</security-dynamic-policies>
```

**Description** Information about scheduler attached to the policy

### <policy-scheduler>

#### Usage

```
<security-policy-match>
  <policy-information>
    <policy-scheduler>
      <attached-scheduler-name>
        attached-scheduler-name
      </attached-scheduler-name>
    </policy-scheduler>
  </policy-information>
```



</security-policy-match>

**Description** Information about scheduler attached to the policy

## <policy-statistics-information>

### Usage

```
<policy-statistics-information>
  <pfe-identifier>
    pfe-identifier
  </pfe-identifier>
  <input-bytes>
    input-bytes
  </input-bytes>
  <output-bytes>
    output-bytes
  </output-bytes>
  <input-byte-rate>
    input-byte-rate
  </input-byte-rate>
  <output-byte-rate>
    output-byte-rate
  </output-byte-rate>
  <input-packets>
    input-packets
  </input-packets>
  <output-packets>
    output-packets
  </output-packets>
  <input-packet-rate>
    input-packet-rate
  </input-packet-rate>
  <output-packet-rate>
    output-packet-rate
  </output-packet-rate>
  <session-creations>
    session-creations
  </session-creations>
  <session-deletions>
    session-deletions
  </session-deletions>
  <session-creation-rate>
    session-creation-rate
  </session-creation-rate>
  <active-sessions>
    active-sessions
  </active-sessions>
  <policy-lookups>
    policy-lookups
  </policy-lookups>
</policy-statistics-information>
```

**Description** Statistics about the policy

## <policy-statistics-information>

### Usage

```
<policy-information>
  <policy-statistics-information>
    <pfe-identifier>
      pfe-identifier
    </pfe-identifier>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-byte-rate>
      input-byte-rate
    </input-byte-rate>
    <output-byte-rate>
      output-byte-rate
    </output-byte-rate>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
    <input-packet-rate>
      input-packet-rate
    </input-packet-rate>
    <output-packet-rate>
      output-packet-rate
    </output-packet-rate>
    <session-creations>
      session-creations
    </session-creations>
    <session-deletions>
      session-deletions
    </session-deletions>
    <session-creation-rate>
      session-creation-rate
    </session-creation-rate>
    <active-sessions>
      active-sessions
    </active-sessions>
    <policy-lookups>
      policy-lookups
    </policy-lookups>
  </policy-statistics-information>
</policy-information>
```

**Description** Statistics about the policy

## &lt;policy-statistics-information&gt;

## Usage

```

<security-policies>
<security-context>
  <policies>
    <policy-information>
      <policy-statistics-information>
        <pfe-identifier>
          pfe-identifier
        </pfe-identifier>
        <input-bytes>
          input-bytes
        </input-bytes>
        <output-bytes>
          output-bytes
        </output-bytes>
        <input-byte-rate>
          input-byte-rate
        </input-byte-rate>
        <output-byte-rate>
          output-byte-rate
        </output-byte-rate>
        <input-packets>
          input-packets
        </input-packets>
        <output-packets>
          output-packets
        </output-packets>
        <input-packet-rate>
          input-packet-rate
        </input-packet-rate>
        <output-packet-rate>
          output-packet-rate
        </output-packet-rate>
        <session-creations>
          session-creations
        </session-creations>
        <session-deletions>
          session-deletions
        </session-deletions>
        <session-creation-rate>
          session-creation-rate
        </session-creation-rate>
        <active-sessions>
          active-sessions
        </active-sessions>
        <policy-lookups>
          policy-lookups
        </policy-lookups>
      </policy-statistics-information>
    </policy-information>
  </policies>
</security-context>

```

</security-policies>

**Description**    Statistics about the policy

### <policy-statistics-information>

#### Usage

```
<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-statistics-information>
          <pfe-identifier>
            pfe-identifier
          </pfe-identifier>
          <input-bytes>
            input-bytes
          </input-bytes>
          <output-bytes>
            output-bytes
          </output-bytes>
          <input-byte-rate>
            input-byte-rate
          </input-byte-rate>
          <output-byte-rate>
            output-byte-rate
          </output-byte-rate>
          <input-packets>
            input-packets
          </input-packets>
          <output-packets>
            output-packets
          </output-packets>
          <input-packet-rate>
            input-packet-rate
          </input-packet-rate>
          <output-packet-rate>
            output-packet-rate
          </output-packet-rate>
          <session-creations>
            session-creations
          </session-creations>
          <session-deletions>
            session-deletions
          </session-deletions>
          <session-creation-rate>
            session-creation-rate
          </session-creation-rate>
          <active-sessions>
            active-sessions
          </active-sessions>
          <policy-lookups>
            policy-lookups
          </policy-lookups>
```

```

    </policy-statistics-information>
  </policy-information>
</policies>
</security-context>
</security-dynamic-policies>

```

**Description** Statistics about the policy

### <policy-statistics-information>

#### Usage

```

<security-policy-match>
  <policy-information>
    <policy-statistics-information>
      <pfe-identifier>
        pfe-identifier
      </pfe-identifier>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
      <input-byte-rate>
        input-byte-rate
      </input-byte-rate>
      <output-byte-rate>
        output-byte-rate
      </output-byte-rate>
      <input-packets>
        input-packets
      </input-packets>
      <output-packets>
        output-packets
      </output-packets>
      <input-packet-rate>
        input-packet-rate
      </input-packet-rate>
      <output-packet-rate>
        output-packet-rate
      </output-packet-rate>
      <session-creations>
        session-creations
      </session-creations>
      <session-deletions>
        session-deletions
      </session-deletions>
      <session-creation-rate>
        session-creation-rate
      </session-creation-rate>
      <active-sessions>
        active-sessions
      </active-sessions>
    <policy-lookups>

```

```
    policy-lookups
  </policy-lookups>
</policy-statistics-information>
</policy-information>
</security-policy-match>
```

**Description** Statistics about the policy

### <policy-tcp-options>

#### Usage

```
<policy-tcp-options>
  <policy-tcp-options-syn-check>
    policy-tcp-options-syn-check
  </policy-tcp-options-syn-check>
  <policy-tcp-options-sequence-check>
    policy-tcp-options-sequence-check
  </policy-tcp-options-sequence-check>
</policy-tcp-options>
```

**Description** Information about the TCP options of policy

### <policy-tcp-options>

#### Usage

```
<policy-information>
  <policy-tcp-options>
    <policy-tcp-options-syn-check>
      policy-tcp-options-syn-check
    </policy-tcp-options-syn-check>
    <policy-tcp-options-sequence-check>
      policy-tcp-options-sequence-check
    </policy-tcp-options-sequence-check>
  </policy-tcp-options>
</policy-information>
```

**Description** Information about the TCP options of policy

### <policy-tcp-options>

#### Usage

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-tcp-options>
          <policy-tcp-options-syn-check>
            policy-tcp-options-syn-check
          </policy-tcp-options-syn-check>
          <policy-tcp-options-sequence-check>
            policy-tcp-options-sequence-check
          </policy-tcp-options-sequence-check>
        </policy-tcp-options>
      </policies>
    </policy-information>
  </security-context>
</security-policies>
```

```

        </policy-tcp-options-sequence-check>
      </policy-tcp-options>
    </policy-information>
  </policies>
</security-context>
</security-policies>

```

**Description** Information about the TCP options of policy

### <policy-tcp-options>

#### Usage

```

<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-tcp-options>
          <policy-tcp-options-syn-check>
            policy-tcp-options-syn-check
          </policy-tcp-options-syn-check>
          <policy-tcp-options-sequence-check>
            policy-tcp-options-sequence-check
          </policy-tcp-options-sequence-check>
        </policy-tcp-options>
      </policy-information>
    </policies>
  </security-context>
</security-dynamic-policies>

```

**Description** Information about the TCP options of policy

### <policy-tcp-options>

#### Usage

```

<security-policy-match>
  <policy-information>
    <policy-tcp-options>
      <policy-tcp-options-syn-check>
        policy-tcp-options-syn-check
      </policy-tcp-options-syn-check>
      <policy-tcp-options-sequence-check>
        policy-tcp-options-sequence-check
      </policy-tcp-options-sequence-check>
    </policy-tcp-options>
  </policy-information>
</security-policy-match>

```

**Description** Information about the TCP options of policy

## <policy-tunnel>

### Usage

```
<policy-tunnel>
  <tunnel-type>
    tunnel-type
  </tunnel-type>
  <tunnel-name>
    tunnel-name
  </tunnel-name>
  <tunnel-identifier>
    tunnel-identifier
  </tunnel-identifier>
  <pair-policy-name>
    pair-policy-name
  </pair-policy-name>
</policy-tunnel>
```

**Description** Information about the policy-based tunnel

## <policy-tunnel>

### Usage

```
<policy-information>
  <policy-tunnel>
    <tunnel-type>
      tunnel-type
    </tunnel-type>
    <tunnel-name>
      tunnel-name
    </tunnel-name>
    <tunnel-identifier>
      tunnel-identifier
    </tunnel-identifier>
    <pair-policy-name>
      pair-policy-name
    </pair-policy-name>
  </policy-tunnel>
</policy-information>
```

**Description** Information about the policy-based tunnel

## <policy-tunnel>

### Usage

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-tunnel>
          <tunnel-type>
            tunnel-type
```



```

        </tunnel-type>
        <tunnel-name>
            tunnel-name
        </tunnel-name>
        <tunnel-identifier>
            tunnel-identifier
        </tunnel-identifier>
        <pair-policy-name>
            pair-policy-name
        </pair-policy-name>
    </policy-tunnel>
</policy-information>
</policies>
</security-context>
</security-policies>

```

**Description** Information about the policy-based tunnel

### <policy-tunnel>

#### Usage

```

<security-dynamic-policies>
<security-context>
<policies>
<policy-information>
<policy-tunnel>
<tunnel-type>
    tunnel-type
</tunnel-type>
<tunnel-name>
    tunnel-name
</tunnel-name>
<tunnel-identifier>
    tunnel-identifier
</tunnel-identifier>
<pair-policy-name>
    pair-policy-name
</pair-policy-name>
</policy-tunnel>
</policy-information>
</policies>
</security-context>
</security-dynamic-policies>

```

**Description** Information about the policy-based tunnel

### <policy-tunnel>

#### Usage

```

<security-policy-match>
<policy-information>
<policy-tunnel>

```

```
<tunnel-type>
  tunnel-type
</tunnel-type>
<tunnel-name>
  tunnel-name
</tunnel-name>
<tunnel-identifier>
  tunnel-identifier
</tunnel-identifier>
<pair-policy-name>
  pair-policy-name
</pair-policy-name>
</policy-tunnel>
</policy-information>
</security-policy-match>
```

**Description** Information about the policy-based tunnel

### <policy-type-information>

#### Usage

```
<policy-type-information>
  <policy-type-string>
    policy-type-string
  </policy-type-string>
  <policy-type-dynamic-policy-count>
    policy-type-dynamic-policy-count
  </policy-type-dynamic-policy-count>
</policy-type-information>
```

**Description** Information about the type of policy

### <policy-type-information>

#### Usage

```
<policy-information>
  <policy-type-information>
    <policy-type-string>
      policy-type-string
    </policy-type-string>
    <policy-type-dynamic-policy-count>
      policy-type-dynamic-policy-count
    </policy-type-dynamic-policy-count>
  </policy-type-information>
</policy-information>
```

**Description** Information about the type of policy

**<policy-type-information>****Usage**

```

<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-type-information>
          <policy-type-string>
            policy-type-string
          </policy-type-string>
          <policy-type-dynamic-policy-count>
            policy-type-dynamic-policy-count
          </policy-type-dynamic-policy-count>
        </policy-type-information>
      </policy-information>
    </policies>
  </security-context>
</security-policies>

```

**Description** Information about the type of policy

**<policy-type-information>****Usage**

```

<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-type-information>
          <policy-type-string>
            policy-type-string
          </policy-type-string>
          <policy-type-dynamic-policy-count>
            policy-type-dynamic-policy-count
          </policy-type-dynamic-policy-count>
        </policy-type-information>
      </policy-information>
    </policies>
  </security-context>
</security-dynamic-policies>

```

**Description** Information about the type of policy

**<policy-type-information>****Usage**

```

<security-policy-match>
  <policy-information>
    <policy-type-information>
      <policy-type-string>
        policy-type-string
      </policy-type-string>
    </policy-type-information>
  </policy-information>
</security-policy-match>

```

```
</policy-type-string>
<policy-type-dynamic-policy-count>
  policy-type-dynamic-policy-count
</policy-type-dynamic-policy-count>
</policy-type-information>
</policy-information>
</security-policy-match>
```

**Description** Information about the type of policy

### <policy-zone-context>

#### Usage

```
<policy-zone-context>
<logical-system-name>
  logical-system-name
</logical-system-name>
<policy-zone-context-entry>....</policy-zone-context-entry>
</policy-zone-context>
```

**Description** Show policy zone context

### <policy-zone-context>

#### Usage

```
<security-policies>
  <policy-zone-context>
    <logical-system-name>
      logical-system-name
    </logical-system-name>
    <policy-zone-context-entry>....</policy-zone-context-entry>
  </policy-zone-context>
</security-policies>
```

**Description** Show policy zone context

### <policy-zone-context-entry>

#### Usage

```
<policy-zone-context>
  <policy-zone-context-entry>
    <policy-zone-context-from-zone>
      policy-zone-context-from-zone
    </policy-zone-context-from-zone>
    <policy-zone-context-to-zone>
      policy-zone-context-to-zone
    </policy-zone-context-to-zone>
    <policy-zone-context-policy-count>
      policy-zone-context-policy-count
    </policy-zone-context-policy-count>
  </policy-zone-context-entry>
```

</policy-zone-context>

**Description** Information about a context

### <policy-zone-context-entry>

#### Usage

```
<security-policies>
  <policy-zone-context>
    <policy-zone-context-entry>
      <policy-zone-context-from-zone>
        policy-zone-context-from-zone
      </policy-zone-context-from-zone>
      <policy-zone-context-to-zone>
        policy-zone-context-to-zone
      </policy-zone-context-to-zone>
      <policy-zone-context-policy-count>
        policy-zone-context-policy-count
      </policy-zone-context-policy-count>
    </policy-zone-context-entry>
  </policy-zone-context>
</security-policies>
```

**Description** Information about a context

### <prefixes>

#### Usage

```
<prefixes>
  <address-prefix>
    address-prefix
  </address-prefix>
</prefixes>
```

**Description** IP prefixes for an address

### <prefixes>

#### Usage

```
<destination-addresses>
  <destination-address>
    <prefixes>
      <address-prefix>
        address-prefix
      </address-prefix>
    </prefixes>
  </destination-address>
</destination-addresses>
```

**Description** IP prefixes for an address

### <prefixes>

#### Usage

```
<source-addresses>
  <source-address>
    <prefixes>
      <address-prefix>
        address-prefix
      </address-prefix>
    </prefixes>
  </source-address>
</source-addresses>
```

**Description** IP prefixes for an address

### <prefixes>

#### Usage

```
<policy-information>
  <source-addresses>
    <source-address>
      <prefixes>
        <address-prefix>
          address-prefix
        </address-prefix>
      </prefixes>
    </source-address>
  </source-addresses>
</policy-information>
```

**Description** IP prefixes for an address

### <prefixes>

#### Usage

```
<policy-information>
  <destination-addresses>
    <destination-address>
      <prefixes>
        <address-prefix>
          address-prefix
        </address-prefix>
      </prefixes>
    </destination-address>
  </destination-addresses>
</policy-information>
```

**Description** IP prefixes for an address

## &lt;prefixes&gt;

## Usage

```

<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <source-addresses>
          <source-address>
            <prefixes>
              <address-prefix>
                address-prefix
              </address-prefix>
            </prefixes>
          </source-address>
        </source-addresses>
      </policy-information>
    </policies>
  </security-context>
</security-policies>

```

**Description** IP prefixes for an address

## &lt;prefixes&gt;

## Usage

```

<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <destination-addresses>
          <destination-address>
            <prefixes>
              <address-prefix>
                address-prefix
              </address-prefix>
            </prefixes>
          </destination-address>
        </destination-addresses>
      </policy-information>
    </policies>
  </security-context>
</security-policies>

```

**Description** IP prefixes for an address

## &lt;prefixes&gt;

## Usage

```

<security-dynamic-policies>
  <security-context>
    <policies>

```

```
<policy-information>
  <source-addresses>
    <source-address>
      <prefixes>
        <address-prefix>
          address-prefix
        </address-prefix>
      </prefixes>
    </source-address>
  </source-addresses>
</policy-information>
</policies>
</security-context>
</security-dynamic-policies>
```

**Description** IP prefixes for an address

## <prefixes>

### Usage

```
<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <destination-addresses>
          <destination-address>
            <prefixes>
              <address-prefix>
                address-prefix
              </address-prefix>
            </prefixes>
          </destination-address>
        </destination-addresses>
      </policy-information>
    </policies>
  </security-context>
</security-dynamic-policies>
```

**Description** IP prefixes for an address

## <prefixes>

### Usage

```
<security-policy-match>
  <policy-information>
    <source-addresses>
      <source-address>
        <prefixes>
          <address-prefix>
            address-prefix
          </address-prefix>
        </prefixes>
      </source-address>
    </source-addresses>
  </policy-information>
</security-policy-match>
```



```

    </source-address>
  </source-addresses>
</policy-information>
</security-policy-match>

```

**Description** IP prefixes for an address

### <prefixes>

#### Usage

```

<security-policy-match>
  <policy-information>
    <destination-addresses>
      <destination-address>
        <prefixes>
          <address-prefix>
            address-prefix
          </address-prefix>
        </prefixes>
      </destination-address>
    </destination-addresses>
  </policy-information>
</security-policy-match>

```

**Description** IP prefixes for an address

### <program-number-range>

#### Usage

```

<applications>
  <application>
    <application-term>
      <rpc-information>
        <program-number-range>
          <low>
            low
          </low>
          <high>
            high
          </high>
        </program-number-range>
      </rpc-information>
    </application-term>
  </application>
</applications>

```

**Description**

## <program-number-range>

### Usage

```
<policy-information>
  <applications>
    <application>
      <application-term>
        <rpc-information>
          <program-number-range>
            <low>
              low
            </low>
            <high>
              high
            </high>
          </program-number-range>
        </rpc-information>
      </application-term>
    </application>
  </applications>
</policy-information>
```

### Description

## <program-number-range>

### Usage

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <applications>
          <application>
            <application-term>
              <rpc-information>
                <program-number-range>
                  <low>
                    low
                  </low>
                  <high>
                    high
                  </high>
                </program-number-range>
              </rpc-information>
            </application-term>
          </application>
        </applications>
      </policy-information>
    </policies>
  </security-context>
</security-policies>
```

### Description

## <program-number-range>

### Usage

```

<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <applications>
          <application>
            <application-term>
              <rpc-information>
                <program-number-range>
                  <low>
                    low
                  </low>
                  <high>
                    high
                  </high>
                </program-number-range>
              </rpc-information>
            </application-term>
          </application>
        </applications>
      </policy-information>
    </policies>
  </security-context>
</security-dynamic-policies>

```

### Description

## <program-number-range>

### Usage

```

<security-policy-match>
  <policy-information>
    <applications>
      <application>
        <application-term>
          <rpc-information>
            <program-number-range>
              <low>
                low
              </low>
              <high>
                high
              </high>
            </program-number-range>
          </rpc-information>
        </application-term>
      </application>
    </applications>
  </policy-information>
</security-policy-match>

```

**Description****<rpc-information>****Usage**

```
<applications>
  <application>
    <application-term>
      <rpc-information>
        <program-number-range>....</program-number-range>
        <rpc-uuid>
          rpc-uuid
        </rpc-uuid>
      </rpc-information>
    </application-term>
  </application>
</applications>
```

**Description** RPC type information

**<rpc-information>****Usage**

```
<policy-information>
  <applications>
    <application>
      <application-term>
        <rpc-information>
          <program-number-range>....</program-number-range>
          <rpc-uuid>
            rpc-uuid
          </rpc-uuid>
        </rpc-information>
      </application-term>
    </application>
  </applications>
</policy-information>
```

**Description** RPC type information

**<rpc-information>****Usage**

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <applications>
          <application>
            <application-term>
              <rpc-information>
                <program-number-range>....</program-number-range>
                <rpc-uuid>
```

```

        rpc-uuid
      </rpc-uuid>
    </rpc-information>
  </application-term>
</application>
</applications>
</policy-information>
</policies>
</security-context>
</security-policies>

```

**Description** RPC type information

### <rpc-information>

#### Usage

```

<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <applications>
          <application>
            <application-term>
              <rpc-information>
                <program-number-range>....</program-number-range>
                <rpc-uuid>
                  rpc-uuid
                </rpc-uuid>
              </rpc-information>
            </application-term>
          </application>
        </applications>
      </policy-information>
    </policies>
  </security-context>
</security-dynamic-policies>

```

**Description** RPC type information

### <rpc-information>

#### Usage

```

<security-policy-match>
  <policy-information>
    <applications>
      <application>
        <application-term>
          <rpc-information>
            <program-number-range>....</program-number-range>
            <rpc-uuid>
              rpc-uuid
            </rpc-uuid>
          </rpc-information>
        </application-term>
      </application>
    </applications>
  </policy-information>
</security-policy-match>

```

```
</rpc-information>
</application-term>
</application>
</applications>
</policy-information>
</security-policy-match>
```

**Description** RPC type information

## <rule>

### Usage

```
<policy-application-services>
<application-firewall>
<rule-set-info>
<rule-set>
<rule-list>
<rule>
<name>
  name
</name>
<dynamic-application-list>....</dynamic-application-list>
<dynamic-application-group-list>....</dynamic-application-group-list>
<action>
  action
</action>
</rule>
</rule-list>
</rule-set>
</rule-set-info>
</application-firewall>
</policy-application-services>
```

**Description** Information of the rule

## <rule>

### Usage

```
<policy-information>
<policy-application-services>
<application-firewall>
<rule-set-info>
<rule-set>
<rule-list>
<rule>
<name>
  name
</name>
<dynamic-application-list>....</dynamic-application-list>
<dynamic-application-group-list>....</dynamic-application-group-list>
<action>
  action
```

```

        </action>
      </rule>
    </rule-list>
  </rule-set>
</rule-set-info>
</application-firewall>
</policy-application-services>
</policy-information>

```

**Description** Information of the rule

## <rule>

### Usage

```

<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-application-services>
          <application-firewall>
            <rule-set-info>
              <rule-set>
                <rule-list>
                  <rule>
                    <name>
                      name
                    </name>
                    <dynamic-application-list>....</dynamic-application-list>
                    <dynamic-application-group-list>....</dynamic-application-group-list>

                    <action>
                      action
                    </action>
                  </rule>
                </rule-list>
              </rule-set>
            </rule-set-info>
          </application-firewall>
        </policy-application-services>
      </policy-information>
    </policies>
  </security-context>
</security-policies>

```

**Description** Information of the rule

## <rule>

### Usage

```

<security-dynamic-policies>
  <security-context>
    <policies>

```

```
<policy-information>
  <policy-application-services>
    <application-firewall>
      <rule-set-info>
        <rule-set>
          <rule-list>
            <rule>
              <name>
                name
              </name>
              <dynamic-application-list>....</dynamic-application-list>
              <dynamic-application-group-list>....</dynamic-application-group-list>

              <action>
                action
              </action>
            </rule>
          </rule-list>
        </rule-set>
      </rule-set-info>
    </application-firewall>
  </policy-application-services>
</policy-information>
</policies>
</security-context>
</security-dynamic-policies>
```

**Description** Information of the rule

## <rule>

### Usage

```
<security-policy-match>
  <policy-information>
    <policy-application-services>
      <application-firewall>
        <rule-set-info>
          <rule-set>
            <rule-list>
              <rule>
                <name>
                  name
                </name>
                <dynamic-application-list>....</dynamic-application-list>
                <dynamic-application-group-list>....</dynamic-application-group-list>

                <action>
                  action
                </action>
              </rule>
            </rule-list>
          </rule-set>
        </rule-set-info>
      </application-firewall>
```



```

    </policy-application-services>
  </policy-information>
</security-policy-match>

```

**Description** Information of the rule

### <rule-list>

#### Usage

```

<policy-application-services>
  <application-firewall>
    <rule-set-info>
      <rule-set>
        <rule-list>
          <rule>....</rule>
          <default-rule>....</default-rule>
        </rule-list>
      </rule-set>
    </rule-set-info>
  </application-firewall>
</policy-application-services>

```

**Description** Information of all rules

### <rule-list>

#### Usage

```

<policy-information>
  <policy-application-services>
    <application-firewall>
      <rule-set-info>
        <rule-set>
          <rule-list>
            <rule>....</rule>
            <default-rule>....</default-rule>
          </rule-list>
        </rule-set>
      </rule-set-info>
    </application-firewall>
  </policy-application-services>
</policy-information>

```

**Description** Information of all rules

### <rule-list>

#### Usage

```

<security-policies>
  <security-context>
    <policies>
      <policy-information>

```

```
<policy-application-services>
  <application-firewall>
    <rule-set-info>
      <rule-set>
        <rule-list>
          <rule>....</rule>
          <default-rule>....</default-rule>
        </rule-list>
      </rule-set>
    </rule-set-info>
  </application-firewall>
</policy-application-services>
</policy-information>
</policies>
</security-context>
</security-policies>
```

**Description** Information of all rules

### <rule-list>

#### Usage

```
<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-application-services>
          <application-firewall>
            <rule-set-info>
              <rule-set>
                <rule-list>
                  <rule>....</rule>
                  <default-rule>....</default-rule>
                </rule-list>
              </rule-set>
            </rule-set-info>
          </application-firewall>
        </policy-application-services>
      </policy-information>
    </policies>
  </security-context>
</security-dynamic-policies>
```

**Description** Information of all rules

### <rule-list>

#### Usage

```
<security-policy-match>
  <policy-information>
    <policy-application-services>
      <application-firewall>
```

```

<rule-set-info>
  <rule-set>
    <rule-list>
      <rule>....</rule>
      <default-rule>....</default-rule>
    </rule-list>
  </rule-set>
</rule-set-info>
</application-firewall>
</policy-application-services>
</policy-information>
</security-policy-match>

```

**Description** Information of all rules

### <rule-set>

#### Usage

```

<policy-application-services>
  <application-firewall>
    <rule-set-info>
      <rule-set>
        <name>
          name
        </name>
        <rule-list>....</rule-list>
      </rule-set>
    </rule-set-info>
  </application-firewall>
</policy-application-services>

```

#### Description

### <rule-set>

#### Usage

```

<policy-information>
  <policy-application-services>
    <application-firewall>
      <rule-set-info>
        <rule-set>
          <name>
            name
          </name>
          <rule-list>....</rule-list>
        </rule-set>
      </rule-set-info>
    </application-firewall>
  </policy-application-services>
</policy-information>

```

#### Description

## <rule-set>

### Usage

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-application-services>
          <application-firewall>
            <rule-set-info>
              <rule-set>
                <name>
                  name
                </name>
                <rule-list>....</rule-list>
              </rule-set>
            </rule-set-info>
          </application-firewall>
        </policy-application-services>
      </policy-information>
    </policies>
  </security-context>
</security-policies>
```

### Description

## <rule-set>

### Usage

```
<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-application-services>
          <application-firewall>
            <rule-set-info>
              <rule-set>
                <name>
                  name
                </name>
                <rule-list>....</rule-list>
              </rule-set>
            </rule-set-info>
          </application-firewall>
        </policy-application-services>
      </policy-information>
    </policies>
  </security-context>
</security-dynamic-policies>
```

### Description

**<rule-set>****Usage**

```

<security-policy-match>
  <policy-information>
    <policy-application-services>
      <application-firewall>
        <rule-set-info>
          <rule-set>
            <name>
              name
            </name>
            <rule-list>....</rule-list>
          </rule-set>
        </rule-set-info>
      </application-firewall>
    </policy-application-services>
  </policy-information>
</security-policy-match>

```

**Description****<rule-set-info>****Usage**

```

<policy-application-services>
  <application-firewall>
    <rule-set-info>
      <rule-set>....</rule-set>
    </rule-set-info>
  </application-firewall>
</policy-application-services>

```

**Description** Information of the rule-set**<rule-set-info>****Usage**

```

<policy-information>
  <policy-application-services>
    <application-firewall>
      <rule-set-info>
        <rule-set>....</rule-set>
      </rule-set-info>
    </application-firewall>
  </policy-application-services>
</policy-information>

```

**Description** Information of the rule-set

## <rule-set-info>

### Usage

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-application-services>
          <application-firewall>
            <rule-set-info>
              <rule-set>....</rule-set>
            </rule-set-info>
          </application-firewall>
        </policy-application-services>
      </policy-information>
    </policies>
  </security-context>
</security-policies>
```

**Description** Information of the rule-set

## <rule-set-info>

### Usage

```
<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <policy-application-services>
          <application-firewall>
            <rule-set-info>
              <rule-set>....</rule-set>
            </rule-set-info>
          </application-firewall>
        </policy-application-services>
      </policy-information>
    </policies>
  </security-context>
</security-dynamic-policies>
```

**Description** Information of the rule-set

## <rule-set-info>

### Usage

```
<security-policy-match>
  <policy-information>
    <policy-application-services>
      <application-firewall>
        <rule-set-info>
          <rule-set>....</rule-set>
        </rule-set-info>
```

```
</application-firewall>
</policy-application-services>
</policy-information>
</security-policy-match>
```

**Description** Information of the rule-set

### <security-context>

**Usage**

```
<security-policies>
  <security-context>
    <context-information>....</context-information>
    <policies>....</policies>
  </security-context>
</security-policies>
```

**Description** Information about the security context

### <security-context>

**Usage**

```
<security-dynamic-policies>
  <security-context>
    <context-information>....</context-information>
    <policies>....</policies>
  </security-context>
</security-dynamic-policies>
```

**Description** Information about the security context

### <security-dynamic-policies>

**Usage**

```
<security-dynamic-policies>
  <security-context>....</security-context>
</security-dynamic-policies>
```

**Description** Information about security dynamic policies

### <security-policies>

**Usage**

```
<security-policies>
  <logical-system-name>
    logical-system-name
  </logical-system-name>
  <default-policy>
    default-policy
  </default-policy>
</security-policies>
```

```
</default-policy>
<security-context>....</security-context>
<policy-internal-information>....</policy-internal-information>
<policy-zone-context>....</policy-zone-context>
<policy-context-checksum-info>....</policy-context-checksum-info>
</security-policies>
```

**Description** Information about security policies

### <security-policy-match>

**Usage**

```
<security-policy-match>
  <policy-information>....</policy-information>
</security-policy-match>
```

**Description** Find policy match for a given traffic

### <source-address>

**Usage**

```
<source-addresses>
  <source-address>
    <address-name>
      address-name
    </address-name>
    <prefixes>....</prefixes>
  </source-address>
</source-addresses>
```

**Description** Information about a source address

### <source-address>

**Usage**

```
<policy-information>
  <source-addresses>
    <source-address>
      <address-name>
        address-name
      </address-name>
      <prefixes>....</prefixes>
    </source-address>
  </source-addresses>
</policy-information>
```

**Description** Information about a source address



**<source-address>****Usage**

```

<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <source-addresses>
          <source-address>
            <address-name>
              address-name
            </address-name>
            <prefixes>....</prefixes>
          </source-address>
        </source-addresses>
      </policy-information>
    </policies>
  </security-context>
</security-policies>

```

**Description** Information about a source address

**<source-address>****Usage**

```

<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <source-addresses>
          <source-address>
            <address-name>
              address-name
            </address-name>
            <prefixes>....</prefixes>
          </source-address>
        </source-addresses>
      </policy-information>
    </policies>
  </security-context>
</security-dynamic-policies>

```

**Description** Information about a source address

**<source-address>****Usage**

```

<security-policy-match>
  <policy-information>
    <source-addresses>
      <source-address>
        <address-name>

```

```
        address-name
      </address-name>
    <prefixes>....</prefixes>
  </source-address>
</source-addresses>
</policy-information>
</security-policy-match>
```

**Description** Information about a source address

### <source-addresses>

#### Usage

```
<source-addresses>
  <source-address>....</source-address>
</source-addresses>
```

#### Description

### <source-addresses>

#### Usage

```
<policy-information>
  <source-addresses>
    <source-address>....</source-address>
  </source-addresses>
</policy-information>
```

#### Description

### <source-addresses>

#### Usage

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <source-addresses>
          <source-address>....</source-address>
        </source-addresses>
      </policy-information>
    </policies>
  </security-context>
</security-policies>
```

#### Description

### <source-addresses>

#### Usage

```
<security-dynamic-policies>
```

```

<security-context>
  <policies>
    <policy-information>
      <source-addresses>
        <source-address>....</source-address>
      </source-addresses>
    </policy-information>
  </policies>
</security-context>
</security-dynamic-policies>

```

**Description****<source-addresses>****Usage**

```

<security-policy-match>
  <policy-information>
    <source-addresses>
      <source-address>....</source-address>
    </source-addresses>
  </policy-information>
</security-policy-match>

```

**Description****<source-port-range>****Usage**

```

<applications>
  <application>
    <application-term>
      <source-port-range>
        <low>
          low
        </low>
        <high>
          high
        </high>
      </source-port-range>
    </application-term>
  </application>
</applications>

```

**Description**    Range of the source ports

**<source-port-range>****Usage**

```

<policy-information>
  <applications>
    <application>

```

```
<application-term>
  <source-port-range>
    <low>
      low
    </low>
    <high>
      high
    </high>
  </source-port-range>
</application-term>
</application>
</applications>
</policy-information>
```

**Description** Range of the source ports

### <source-port-range>

#### Usage

```
<security-policies>
  <security-context>
    <policies>
      <policy-information>
        <applications>
          <application>
            <application-term>
              <source-port-range>
                <low>
                  low
                </low>
                <high>
                  high
                </high>
              </source-port-range>
            </application-term>
          </application>
        </applications>
      </policy-information>
    </policies>
  </security-context>
</security-policies>
```

**Description** Range of the source ports

### <source-port-range>

#### Usage

```
<security-dynamic-policies>
  <security-context>
    <policies>
      <policy-information>
        <applications>
```

```

<application>
  <application-term>
    <source-port-range>
      <low>
        low
      </low>
      <high>
        high
      </high>
    </source-port-range>
  </application-term>
</application>
</applications>
</policy-information>
</policies>
</security-context>
</security-dynamic-policies>

```

**Description** Range of the source ports

### <source-port-range>

#### Usage

```

<security-policy-match>
  <policy-information>
    <applications>
      <application>
        <application-term>
          <source-port-range>
            <low>
              low
            </low>
            <high>
              high
            </high>
          </source-port-range>
        </application-term>
      </application>
    </applications>
  </policy-information>
</security-policy-match>

```

**Description** Range of the source ports

### <wx-optimizer>

#### Usage

```

<policy-application-services>
  <wx-optimizer>
    <profile-name>
      profile-name
    </profile-name>

```

```
<service-options>
  service-options
</service-options>
</wx-optimizer>
</policy-application-services>
```

**Description** Wan-optimizer configuration

### <wx-optimizer>

#### Usage

```
<policy-information>
<policy-application-services>
  <wx-optimizer>
    <profile-name>
      profile-name
    </profile-name>
    <service-options>
      service-options
    </service-options>
  </wx-optimizer>
</policy-application-services>
</policy-information>
```

**Description** Wan-optimizer configuration

### <wx-optimizer>

#### Usage

```
<security-policies>
<security-context>
  <policies>
    <policy-information>
      <policy-application-services>
        <wx-optimizer>
          <profile-name>
            profile-name
          </profile-name>
          <service-options>
            service-options
          </service-options>
        </wx-optimizer>
      </policy-application-services>
    </policy-information>
  </policies>
</security-context>
</security-policies>
```

**Description** Wan-optimizer configuration

### <wx-optimizer>

#### Usage

```
<security-dynamic-policies>
<security-context>
  <policies>
    <policy-information>
      <policy-application-services>
        <wx-optimizer>
          <profile-name>
            profile-name
          </profile-name>
          <service-options>
            service-options
          </service-options>
        </wx-optimizer>
      </policy-application-services>
    </policy-information>
  </policies>
</security-context>
</security-dynamic-policies>
```

**Description** Wan-optimizer configuration

### <wx-optimizer>

#### Usage

```
<security-policy-match>
  <policy-information>
    <policy-application-services>
      <wx-optimizer>
        <profile-name>
          profile-name
        </profile-name>
        <service-options>
          service-options
        </service-options>
      </wx-optimizer>
    </policy-application-services>
  </policy-information>
</security-policy-match>
```

**Description** Wan-optimizer configuration

---

## Summary of Security Profile Response Tags

### <security-profile-address-book-information>

#### Usage

```
<security-profile-address-book-information>
  <security-profile-information>....</security-profile-information>
```

</security-profile-address-book-information>

**Description** Address book resource usage versus logical system's security profile

## <security-profile-all-resource-information>

### Usage

```
<security-profile-all-resource-information>
  <resources-name>
    resources-name
  </resources-name>
  <logical-system-name>
    logical-system-name
  </logical-system-name>
  <security-profile-name>
    security-profile-name
  </security-profile-name>
  <resources-used>
    resources-used
  </resources-used>
  <resources-reserved>
    resources-reserved
  </resources-reserved>
  <resources-maximum>
    resources-maximum
  </resources-maximum>
  <resources-drop-rate-status>
    resources-drop-rate-status
  </resources-drop-rate-status>
  <resources-available>
    resources-available
  </resources-available>
  <heaviest-usage>
    heaviest-usage
  </heaviest-usage>
  <heaviest-user>
    heaviest-user
  </heaviest-user>
  <lightest-usage>
    lightest-usage
  </lightest-usage>
  <lightest-user>
    lightest-user
  </lightest-user>
</security-profile-all-resource-information>
```

**Description** Security profile information of all resources for logical system

## <security-profile-auth-entry-information>

### Usage

```
<security-profile-auth-entry-information>
```



```
<security-profile-information>....</security-profile-information>
</security-profile-auth-entry-information>
```

**Description** Firewall authentication resource usage

### <security-profile-cpu-information>

#### Usage

```
<security-profile-cpu-information>
<security-profile-information>....</security-profile-information>
</security-profile-cpu-information>
```

**Description** CPU utilization versus logical system's security profile

### <security-profile-flow-gate-information>

#### Usage

```
<security-profile-flow-gate-information>
<security-profile-information>....</security-profile-information>
</security-profile-flow-gate-information>
```

**Description** Policy resource usage versus logical system's security profile

### <security-profile-flow-session-information>

#### Usage

```
<security-profile-flow-session-information>
<security-profile-information>....</security-profile-information>
</security-profile-flow-session-information>
```

**Description** Policy resource usage versus logical system's security profile

### <security-profile-information>

#### Usage

```
<security-profile-information>
<logical-system-name>
  logical-system-name
</logical-system-name>
<security-profile-name>
  security-profile-name
</security-profile-name>
<resources-used>
  resources-used
</resources-used>
<resources-reserved>
  resources-reserved
</resources-reserved>
<resources-maximum>
```

```
resources-maximum
</resources-maximum>
<resources-available>
resources-available
</resources-available>
<total-logical-systems>
total-logical-systems
</total-logical-systems>
<total-profiles>
total-profiles
</total-profiles>
<heaviest-usage>
heaviest-usage
</heaviest-usage>
<heaviest-user>
heaviest-user
</heaviest-user>
<lightest-usage>
lightest-usage
</lightest-usage>
<lightest-user>
lightest-user
</lightest-user>
</security-profile-information>
```

**Description** Security profile information for logical system

## <security-profile-information>

### Usage

```
<security-profile-auth-entry-information>
<security-profile-information>
  <logical-system-name>
logical-system-name
  </logical-system-name>
  <security-profile-name>
security-profile-name
  </security-profile-name>
  <resources-used>
resources-used
  </resources-used>
  <resources-reserved>
resources-reserved
  </resources-reserved>
  <resources-maximum>
resources-maximum
  </resources-maximum>
  <resources-available>
resources-available
  </resources-available>
  <total-logical-systems>
total-logical-systems
  </total-logical-systems>
  <total-profiles>
```

```

    total-profiles
  </total-profiles>
  <heaviest-usage>
    heaviest-usage
  </heaviest-usage>
  <heaviest-user>
    heaviest-user
  </heaviest-user>
  <lightest-usage>
    lightest-usage
  </lightest-usage>
  <lightest-user>
    lightest-user
  </lightest-user>
</security-profile-information>
</security-profile-auth-entry-information>

```

**Description** Security profile information for logical system

### <security-profile-information>

#### Usage

```

<security-profile-zone-information>
  <security-profile-information>
    <logical-system-name>
      logical-system-name
    </logical-system-name>
    <security-profile-name>
      security-profile-name
    </security-profile-name>
    <resources-used>
      resources-used
    </resources-used>
    <resources-reserved>
      resources-reserved
    </resources-reserved>
    <resources-maximum>
      resources-maximum
    </resources-maximum>
    <resources-available>
      resources-available
    </resources-available>
    <total-logical-systems>
      total-logical-systems
    </total-logical-systems>
    <total-profiles>
      total-profiles
    </total-profiles>
    <heaviest-usage>
      heaviest-usage
    </heaviest-usage>
    <heaviest-user>
      heaviest-user
    </heaviest-user>
  
```

```
<lightest-usage>
  lightest-usage
</lightest-usage>
<lightest-user>
  lightest-user
</lightest-user>
</security-profile-information>
</security-profile-zone-information>
```

**Description** Security profile information for logical system

### <security-profile-information>

#### Usage

```
<security-profile-policy-information>
<security-profile-information>
  <logical-system-name>
    logical-system-name
  </logical-system-name>
  <security-profile-name>
    security-profile-name
  </security-profile-name>
  <resources-used>
    resources-used
  </resources-used>
  <resources-reserved>
    resources-reserved
  </resources-reserved>
  <resources-maximum>
    resources-maximum
  </resources-maximum>
  <resources-available>
    resources-available
  </resources-available>
  <total-logical-systems>
    total-logical-systems
  </total-logical-systems>
  <total-profiles>
    total-profiles
  </total-profiles>
  <heaviest-usage>
    heaviest-usage
  </heaviest-usage>
  <heaviest-user>
    heaviest-user
  </heaviest-user>
  <lightest-usage>
    lightest-usage
  </lightest-usage>
  <lightest-user>
    lightest-user
  </lightest-user>
</security-profile-information>
```

</security-profile-policy-information>

**Description** Security profile information for logical system

## <security-profile-information>

### Usage

```
<security-profile-policy-with-count-information>
  <security-profile-information>
    <logical-system-name>
      logical-system-name
    </logical-system-name>
    <security-profile-name>
      security-profile-name
    </security-profile-name>
    <resources-used>
      resources-used
    </resources-used>
    <resources-reserved>
      resources-reserved
    </resources-reserved>
    <resources-maximum>
      resources-maximum
    </resources-maximum>
    <resources-available>
      resources-available
    </resources-available>
    <total-logical-systems>
      total-logical-systems
    </total-logical-systems>
    <total-profiles>
      total-profiles
    </total-profiles>
    <heaviest-usage>
      heaviest-usage
    </heaviest-usage>
    <heaviest-user>
      heaviest-user
    </heaviest-user>
    <lightest-usage>
      lightest-usage
    </lightest-usage>
    <lightest-user>
      lightest-user
    </lightest-user>
  </security-profile-information>
</security-profile-policy-with-count-information>
```

**Description** Security profile information for logical system

## <security-profile-information>

### Usage

```
<security-profile-nat-source-pool-information>
  <security-profile-information>
    <logical-system-name>
      logical-system-name
    </logical-system-name>
    <security-profile-name>
      security-profile-name
    </security-profile-name>
    <resources-used>
      resources-used
    </resources-used>
    <resources-reserved>
      resources-reserved
    </resources-reserved>
    <resources-maximum>
      resources-maximum
    </resources-maximum>
    <resources-available>
      resources-available
    </resources-available>
    <total-logical-systems>
      total-logical-systems
    </total-logical-systems>
    <total-profiles>
      total-profiles
    </total-profiles>
    <heaviest-usage>
      heaviest-usage
    </heaviest-usage>
    <heaviest-user>
      heaviest-user
    </heaviest-user>
    <lightest-usage>
      lightest-usage
    </lightest-usage>
    <lightest-user>
      lightest-user
    </lightest-user>
  </security-profile-information>
</security-profile-nat-source-pool-information>
```

**Description** Security profile information for logical system

## <security-profile-information>

### Usage

```
<security-profile-flow-session-information>
  <security-profile-information>
    <logical-system-name>
      logical-system-name
```

```

</logical-system-name>
<security-profile-name>
  security-profile-name
</security-profile-name>
<resources-used>
  resources-used
</resources-used>
<resources-reserved>
  resources-reserved
</resources-reserved>
<resources-maximum>
  resources-maximum
</resources-maximum>
<resources-available>
  resources-available
</resources-available>
<total-logical-systems>
  total-logical-systems
</total-logical-systems>
<total-profiles>
  total-profiles
</total-profiles>
<heaviest-usage>
  heaviest-usage
</heaviest-usage>
<heaviest-user>
  heaviest-user
</heaviest-user>
<lightest-usage>
  lightest-usage
</lightest-usage>
<lightest-user>
  lightest-user
</lightest-user>
</security-profile-information>
</security-profile-flow-session-information>

```

**Description** Security profile information for logical system

### <security-profile-information>

#### Usage

```

<security-profile-flow-gate-information>
<security-profile-information>
  <logical-system-name>
    logical-system-name
  </logical-system-name>
  <security-profile-name>
    security-profile-name
  </security-profile-name>
  <resources-used>
    resources-used
  </resources-used>
  <resources-reserved>

```

```
resources-reserved
</resources-reserved>
<resources-maximum>
resources-maximum
</resources-maximum>
<resources-available>
resources-available
</resources-available>
<total-logical-systems>
total-logical-systems
</total-logical-systems>
<total-profiles>
total-profiles
</total-profiles>
<heaviest-usage>
heaviest-usage
</heaviest-usage>
<heaviest-user>
heaviest-user
</heaviest-user>
<lightest-usage>
lightest-usage
</lightest-usage>
<lightest-user>
lightest-user
</lightest-user>
</security-profile-information>
</security-profile-flow-gate-information>
```

**Description** Security profile information for logical system

### <security-profile-information>

#### Usage

```
<security-profile-nat-destination-pool-information>
<security-profile-information>
<logical-system-name>
logical-system-name
</logical-system-name>
<security-profile-name>
security-profile-name
</security-profile-name>
<resources-used>
resources-used
</resources-used>
<resources-reserved>
resources-reserved
</resources-reserved>
<resources-maximum>
resources-maximum
</resources-maximum>
<resources-available>
resources-available
</resources-available>
```



```

<total-logical-systems>
  total-logical-systems
</total-logical-systems>
<total-profiles>
  total-profiles
</total-profiles>
<heaviest-usage>
  heaviest-usage
</heaviest-usage>
<heaviest-user>
  heaviest-user
</heaviest-user>
<lightest-usage>
  lightest-usage
</lightest-usage>
<lightest-user>
  lightest-user
</lightest-user>
</security-profile-information>
</security-profile-nat-destination-pool-information>

```

**Description** Security profile information for logical system

### <security-profile-information>

#### Usage

```

<security-profile-nat-source-pat-address-information>
<security-profile-information>
  <logical-system-name>
    logical-system-name
  </logical-system-name>
  <security-profile-name>
    security-profile-name
  </security-profile-name>
  <resources-used>
    resources-used
  </resources-used>
  <resources-reserved>
    resources-reserved
  </resources-reserved>
  <resources-maximum>
    resources-maximum
  </resources-maximum>
  <resources-available>
    resources-available
  </resources-available>
  <total-logical-systems>
    total-logical-systems
  </total-logical-systems>
  <total-profiles>
    total-profiles
  </total-profiles>
  <heaviest-usage>
    heaviest-usage

```

```
</heaviest-usage>
<heaviest-user>
  heaviest-user
</heaviest-user>
<lightest-usage>
  lightest-usage
</lightest-usage>
<lightest-user>
  lightest-user
</lightest-user>
</security-profile-information>
</security-profile-nat-source-pat-address-information>
```

**Description** Security profile information for logical system

### <security-profile-information>

#### Usage

```
<security-profile-nat-source-nopat-address-information>
<security-profile-information>
  <logical-system-name>
    logical-system-name
  </logical-system-name>
  <security-profile-name>
    security-profile-name
  </security-profile-name>
  <resources-used>
    resources-used
  </resources-used>
  <resources-reserved>
    resources-reserved
  </resources-reserved>
  <resources-maximum>
    resources-maximum
  </resources-maximum>
  <resources-available>
    resources-available
  </resources-available>
  <total-logical-systems>
    total-logical-systems
  </total-logical-systems>
  <total-profiles>
    total-profiles
  </total-profiles>
  <heaviest-usage>
    heaviest-usage
  </heaviest-usage>
  <heaviest-user>
    heaviest-user
  </heaviest-user>
  <lightest-usage>
    lightest-usage
  </lightest-usage>
  <lightest-user>
```

```

    lightest-user
  </lightest-user>
</security-profile-information>
</security-profile-nat-source-nopat-address-information>

```

**Description** Security profile information for logical system

### <security-profile-information>

#### Usage

```

<security-profile-nat-source-rule-information>
  <security-profile-information>
    <logical-system-name>
      logical-system-name
    </logical-system-name>
    <security-profile-name>
      security-profile-name
    </security-profile-name>
    <resources-used>
      resources-used
    </resources-used>
    <resources-reserved>
      resources-reserved
    </resources-reserved>
    <resources-maximum>
      resources-maximum
    </resources-maximum>
    <resources-available>
      resources-available
    </resources-available>
    <total-logical-systems>
      total-logical-systems
    </total-logical-systems>
    <total-profiles>
      total-profiles
    </total-profiles>
    <heaviest-usage>
      heaviest-usage
    </heaviest-usage>
    <heaviest-user>
      heaviest-user
    </heaviest-user>
    <lightest-usage>
      lightest-usage
    </lightest-usage>
    <lightest-user>
      lightest-user
    </lightest-user>
  </security-profile-information>
</security-profile-nat-source-rule-information>

```

**Description** Security profile information for logical system

## <security-profile-information>

### Usage

```
<security-profile-nat-destination-rule-information>
  <security-profile-information>
    <logical-system-name>
      logical-system-name
    </logical-system-name>
    <security-profile-name>
      security-profile-name
    </security-profile-name>
    <resources-used>
      resources-used
    </resources-used>
    <resources-reserved>
      resources-reserved
    </resources-reserved>
    <resources-maximum>
      resources-maximum
    </resources-maximum>
    <resources-available>
      resources-available
    </resources-available>
    <total-logical-systems>
      total-logical-systems
    </total-logical-systems>
    <total-profiles>
      total-profiles
    </total-profiles>
    <heaviest-usage>
      heaviest-usage
    </heaviest-usage>
    <heaviest-user>
      heaviest-user
    </heaviest-user>
    <lightest-usage>
      lightest-usage
    </lightest-usage>
    <lightest-user>
      lightest-user
    </lightest-user>
  </security-profile-information>
</security-profile-nat-destination-rule-information>
```

**Description** Security profile information for logical system

## <security-profile-information>

### Usage

```
<security-profile-nat-static-rule-information>
  <security-profile-information>
    <logical-system-name>
      logical-system-name
```

```

</logical-system-name>
<security-profile-name>
  security-profile-name
</security-profile-name>
<resources-used>
  resources-used
</resources-used>
<resources-reserved>
  resources-reserved
</resources-reserved>
<resources-maximum>
  resources-maximum
</resources-maximum>
<resources-available>
  resources-available
</resources-available>
<total-logical-systems>
  total-logical-systems
</total-logical-systems>
<total-profiles>
  total-profiles
</total-profiles>
<heaviest-usage>
  heaviest-usage
</heaviest-usage>
<heaviest-user>
  heaviest-user
</heaviest-user>
<lightest-usage>
  lightest-usage
</lightest-usage>
<lightest-user>
  lightest-user
</lightest-user>
</security-profile-information>
</security-profile-nat-static-rule-information>

```

**Description** Security profile information for logical system

### <security-profile-information>

#### Usage

```

<security-profile-nat-cone-binding-information>
<security-profile-information>
  <logical-system-name>
    logical-system-name
  </logical-system-name>
  <security-profile-name>
    security-profile-name
  </security-profile-name>
  <resources-used>
    resources-used
  </resources-used>
  <resources-reserved>

```

```
resources-reserved
</resources-reserved>
<resources-maximum>
resources-maximum
</resources-maximum>
<resources-available>
resources-available
</resources-available>
<total-logical-systems>
total-logical-systems
</total-logical-systems>
<total-profiles>
total-profiles
</total-profiles>
<heaviest-usage>
heaviest-usage
</heaviest-usage>
<heaviest-user>
heaviest-user
</heaviest-user>
<lightest-usage>
lightest-usage
</lightest-usage>
<lightest-user>
lightest-user
</lightest-user>
</security-profile-information>
</security-profile-nat-cone-binding-information>
```

**Description** Security profile information for logical system

### <security-profile-information>

#### Usage

```
<security-profile-nat-port-overloading-ip-number-information>
<security-profile-information>
<logical-system-name>
logical-system-name
</logical-system-name>
<security-profile-name>
security-profile-name
</security-profile-name>
<resources-used>
resources-used
</resources-used>
<resources-reserved>
resources-reserved
</resources-reserved>
<resources-maximum>
resources-maximum
</resources-maximum>
<resources-available>
resources-available
</resources-available>
```

```

<total-logical-systems>
  total-logical-systems
</total-logical-systems>
<total-profiles>
  total-profiles
</total-profiles>
<heaviest-usage>
  heaviest-usage
</heaviest-usage>
<heaviest-user>
  heaviest-user
</heaviest-user>
<lightest-usage>
  lightest-usage
</lightest-usage>
<lightest-user>
  lightest-user
</lightest-user>
</security-profile-information>
</security-profile-nat-port-overloading-ip-number-information>

```

**Description** Security profile information for logical system

### <security-profile-information>

#### Usage

```

<security-profile-nat-rule-referenced-prefix-information>
<security-profile-information>
  <logical-system-name>
    logical-system-name
  </logical-system-name>
  <security-profile-name>
    security-profile-name
  </security-profile-name>
  <resources-used>
    resources-used
  </resources-used>
  <resources-reserved>
    resources-reserved
  </resources-reserved>
  <resources-maximum>
    resources-maximum
  </resources-maximum>
  <resources-available>
    resources-available
  </resources-available>
  <total-logical-systems>
    total-logical-systems
  </total-logical-systems>
  <total-profiles>
    total-profiles
  </total-profiles>
  <heaviest-usage>
    heaviest-usage

```

```
</heaviest-usage>
<heaviest-user>
  heaviest-user
</heaviest-user>
<lightest-usage>
  lightest-usage
</lightest-usage>
<lightest-user>
  lightest-user
</lightest-user>
</security-profile-information>
</security-profile-nat-rule-referenced-prefix-information>
```

**Description** Security profile information for logical system

### <security-profile-information>

#### Usage

```
<security-profile-scheduler-information>
<security-profile-information>
  <logical-system-name>
    logical-system-name
  </logical-system-name>
  <security-profile-name>
    security-profile-name
  </security-profile-name>
  <resources-used>
    resources-used
  </resources-used>
  <resources-reserved>
    resources-reserved
  </resources-reserved>
  <resources-maximum>
    resources-maximum
  </resources-maximum>
  <resources-available>
    resources-available
  </resources-available>
  <total-logical-systems>
    total-logical-systems
  </total-logical-systems>
  <total-profiles>
    total-profiles
  </total-profiles>
  <heaviest-usage>
    heaviest-usage
  </heaviest-usage>
  <heaviest-user>
    heaviest-user
  </heaviest-user>
  <lightest-usage>
    lightest-usage
  </lightest-usage>
  <lightest-user>
```



```

    lightest-user
  </lightest-user>
</security-profile-information>
</security-profile-scheduler-information>

```

**Description** Security profile information for logical system

### <security-profile-information>

#### Usage

```

<security-profile-cpu-information>
  <security-profile-information>
    <logical-system-name>
      logical-system-name
    </logical-system-name>
    <security-profile-name>
      security-profile-name
    </security-profile-name>
    <resources-used>
      resources-used
    </resources-used>
    <resources-reserved>
      resources-reserved
    </resources-reserved>
    <resources-maximum>
      resources-maximum
    </resources-maximum>
    <resources-available>
      resources-available
    </resources-available>
    <total-logical-systems>
      total-logical-systems
    </total-logical-systems>
    <total-profiles>
      total-profiles
    </total-profiles>
    <heaviest-usage>
      heaviest-usage
    </heaviest-usage>
    <heaviest-user>
      heaviest-user
    </heaviest-user>
    <lightest-usage>
      lightest-usage
    </lightest-usage>
    <lightest-user>
      lightest-user
    </lightest-user>
  </security-profile-information>
</security-profile-cpu-information>

```

**Description** Security profile information for logical system

## <security-profile-information>

### Usage

```
<security-profile-address-book-information>
  <security-profile-information>
    <logical-system-name>
      logical-system-name
    </logical-system-name>
    <security-profile-name>
      security-profile-name
    </security-profile-name>
    <resources-used>
      resources-used
    </resources-used>
    <resources-reserved>
      resources-reserved
    </resources-reserved>
    <resources-maximum>
      resources-maximum
    </resources-maximum>
    <resources-available>
      resources-available
    </resources-available>
    <total-logical-systems>
      total-logical-systems
    </total-logical-systems>
    <total-profiles>
      total-profiles
    </total-profiles>
    <heaviest-usage>
      heaviest-usage
    </heaviest-usage>
    <heaviest-user>
      heaviest-user
    </heaviest-user>
    <lightest-usage>
      lightest-usage
    </lightest-usage>
    <lightest-user>
      lightest-user
    </lightest-user>
  </security-profile-information>
</security-profile-address-book-information>
```

**Description** Security profile information for logical system

## <security-profile-nat-cone-binding-information>

### Usage

```
<security-profile-nat-cone-binding-information>
  <security-profile-information>....</security-profile-information>
</security-profile-nat-cone-binding-information>
```

**Description** Nat cone binding resource usage versus logical system's security profile

#### <security-profile-nat-destination-pool-information>

**Usage**

```
<security-profile-nat-destination-pool-information>
  <security-profile-information>....</security-profile-information>
</security-profile-nat-destination-pool-information>
```

**Description** Nat destination pool resource usage versus logical system's security profile

#### <security-profile-nat-destination-rule-information>

**Usage**

```
<security-profile-nat-destination-rule-information>
  <security-profile-information>....</security-profile-information>
</security-profile-nat-destination-rule-information>
```

**Description** Nat destination rule resource usage versus logical system's security profile

#### <security-profile-nat-port-overloading-ip-number-information>

**Usage**

```
<security-profile-nat-port-overloading-ip-number-information>
  <security-profile-information>....</security-profile-information>
</security-profile-nat-port-overloading-ip-number-information>
```

**Description** Nat port overloading ip number resource usage versus logical system's security profile

#### <security-profile-nat-rule-referenced-prefix-information>

**Usage**

```
<security-profile-nat-rule-referenced-prefix-information>
  <security-profile-information>....</security-profile-information>
</security-profile-nat-rule-referenced-prefix-information>
```

**Description** Nat rule referenced IP-prefix usage versus logical system's security profile

#### <security-profile-nat-source-nopat-address-information>

**Usage**

```
<security-profile-nat-source-nopat-address-information>
  <security-profile-information>....</security-profile-information>
</security-profile-nat-source-nopat-address-information>
```

**Description** Nat IP address in src pool without PAT resource usage versus logical system's security profile

### <security-profile-nat-source-pat-address-information>

**Usage**

```
<security-profile-nat-source-pat-address-information>  
<security-profile-information>....</security-profile-information>  
</security-profile-nat-source-pat-address-information>
```

**Description** Nat IP address in src pool with PAT resource usage versus logical system's security profile

### <security-profile-nat-source-pool-information>

**Usage**

```
<security-profile-nat-source-pool-information>  
<security-profile-information>....</security-profile-information>  
</security-profile-nat-source-pool-information>
```

**Description** Nat source pool resource usage versus logical system's security profile

### <security-profile-nat-source-rule-information>

**Usage**

```
<security-profile-nat-source-rule-information>  
<security-profile-information>....</security-profile-information>  
</security-profile-nat-source-rule-information>
```

**Description** Nat source rule resource usage versus logical system's security profile

### <security-profile-nat-static-rule-information>

**Usage**

```
<security-profile-nat-static-rule-information>  
<security-profile-information>....</security-profile-information>  
</security-profile-nat-static-rule-information>
```

**Description** Nat static rule resource usage versus logical system's security profile

### <security-profile-policy-information>

**Usage**

```
<security-profile-policy-information>  
<security-profile-information>....</security-profile-information>  
</security-profile-policy-information>
```

**Description** Policy resource usage versus logical system's security profile

### <security-profile-policy-with-count-information>

**Usage**

```
<security-profile-policy-with-count-information>
  <security-profile-information>....</security-profile-information>
</security-profile-policy-with-count-information>
```

**Description** Policy with count resource usage versus logical system's security profile

### <security-profile-scheduler-information>

**Usage**

```
<security-profile-scheduler-information>
  <security-profile-information>....</security-profile-information>
</security-profile-scheduler-information>
```

**Description** Scheduler resource usage versus logical system's security profile

### <security-profile-zone-information>

**Usage**

```
<security-profile-zone-information>
  <security-profile-information>....</security-profile-information>
</security-profile-zone-information>
```

**Description** Zone resource usage versus logical system's security profile

### <show-lcu-control>

**Usage**

```
<show-lcu-control>
  <cpu-control>
    cpu-control
  </cpu-control>
  <cpu-control-target>
    cpu-control-target
  </cpu-control-target>
</show-lcu-control>
```

**Description** Logical system cpu utilization settings

### <show-lcu-status>

**Usage**

```
<show-lcu-status>
  <lsys-name>
    lsys-name
  </lsys-name>
```

```
<profile-name>
  profile-name
</profile-name>
<fpc-name>
  fpc-name
</fpc-name>
<pic-name>
  pic-name
</pic-name>
<usage-status>
  usage-status
</usage-status>
<reserved-status>
  reserved-status
</reserved-status>
<drop-rate-status>
  drop-rate-status
</drop-rate-status>
<cpu-type>
  cpu-type
</cpu-type>
<cpu-resources-used>
  cpu-resources-used
</cpu-resources-used>
<cpu-resources-maximum>
  cpu-resources-maximum
</cpu-resources-maximum>
<cpu-resources-available>
  cpu-resources-available
</cpu-resources-available>
<tot-logical-systems>
  tot-logical-systems
</tot-logical-systems>
<tot-profiles>
  tot-profiles
</tot-profiles>
<cpu-heaviest-usage>
  cpu-heaviest-usage
</cpu-heaviest-usage>
<cpu-heaviest-user>
  cpu-heaviest-user
</cpu-heaviest-user>
<cpu-lightest-usage>
  cpu-lightest-usage
</cpu-lightest-usage>
<cpu-lightest-user>
  cpu-lightest-user
</cpu-lightest-user>
</show-lcu-status>
```

**Description** Logical system cpu utilization status

## Summary of SMTP Response Tags

### <smtp-client-service-status>

#### Usage

```
<smtp-statistics>
  <smtp-client-service-status>
    <service-status>
      service-status
    </service-status>
  </smtp-client-service-status>
</smtp-statistics>
```

**Description** SMTP mail client service status information

### <smtp-config-servers-information>

#### Usage

```
<smtp-config-servers-information>
  <smtp-servers>.....</smtp-servers>
</smtp-config-servers-information>
```

**Description** Information about configured smtp servers

### <smtp-queue-statistics>

#### Usage

```
<smtp-statistics>
  <smtp-queue-statistics>
    <high-priority-message-queued>
      high-priority-message-queued
    </high-priority-message-queued>
    <med-priority-message-queued>
      med-priority-message-queued
    </med-priority-message-queued>
    <low-priority-message-queued>
      low-priority-message-queued
    </low-priority-message-queued>
  </smtp-queue-statistics>
</smtp-statistics>
```

**Description** Information about the message queues

### <smtp-send-statistics>

#### Usage

```
<smtp-statistics>
  <smtp-send-statistics>
    <num_payload_send_requested>
      num_payload_send_requested
```

```
</num_payload_send_requested>
<num_payload_sent>
  num_payload_sent
</num_payload_sent>
<num_payload_dropped>
  num_payload_dropped
</num_payload_dropped>
</smtp-send-statistics>
</smtp-statistics>
```

**Description** SMTP Client Service Statistics

### <smtp-servers>

**Usage**

```
<smtp-config-servers-information>
  <smtp-servers>
    <smtp-server-address>
      smtp-server-address
    </smtp-server-address>
    <account-email>
      account-email
    </account-email>
    <server_idle_status>
      server_idle_status
    </server_idle_status>
  </smtp-servers>
</smtp-config-servers-information>
```

**Description** Information on a configured SMTP server

### <smtp-statistics>

**Usage**

```
<smtp-statistics>
  <smtp-client-service-status>.....</smtp-client-service-status>
  <smtp-queue-statistics>.....</smtp-queue-statistics>
  <smtp-send-statistics>.....</smtp-send-statistics>
</smtp-statistics>
```

**Description**

---

## Summary of SPU Monitoring Response Tags

---

### <fpc>

**Usage**

```
<fpc>
  <fpc-number>
    fpc-number
  </fpc-number>
```



```
<pic>....</pic>
</fpc>
```

Description FPC

<fpc>

Usage

```
<spu-monitoring-information>
<spu-utilization-statistics>
  <fpc>
    <fpc-number>
      fpc-number
    </fpc-number>
    <pic>....</pic>
  </fpc>
</spu-utilization-statistics>
</spu-monitoring-information>
```

Description FPC

<pic>

Usage

```
<pic>
  <pic-number>
    pic-number
  </pic-number>
  <spu-cpu-utilization>
    spu-cpu-utilization
  </spu-cpu-utilization>
  <spu-memory-utilization>
    spu-memory-utilization
  </spu-memory-utilization>
  <spu-current-flow-session>
    spu-current-flow-session
  </spu-current-flow-session>
  <spu-max-flow-session>
    spu-max-flow-session
  </spu-max-flow-session>
  <spu-current-cp-session>
    spu-current-cp-session
  </spu-current-cp-session>
  <spu-max-cp-session>
    spu-max-cp-session
  </spu-max-cp-session>
  <session-cps>
    session-cps
  </session-cps>
  <session-cps2>
    session-cps2
  </session-cps2>
```

</pic>

Description PIC stats

<pic>

Usage

```
<fpc>
  <pic>
    <pic-number>
      pic-number
    </pic-number>
    <spu-cpu-utilization>
      spu-cpu-utilization
    </spu-cpu-utilization>
    <spu-memory-utilization>
      spu-memory-utilization
    </spu-memory-utilization>
    <spu-current-flow-session>
      spu-current-flow-session
    </spu-current-flow-session>
    <spu-max-flow-session>
      spu-max-flow-session
    </spu-max-flow-session>
    <spu-current-cp-session>
      spu-current-cp-session
    </spu-current-cp-session>
    <spu-max-cp-session>
      spu-max-cp-session
    </spu-max-cp-session>
    <session-cps>
      session-cps
    </session-cps>
    <session-cps2>
      session-cps2
    </session-cps2>
  </pic>
</fpc>
```

Description PIC stats

<pic>

Usage

```
<spu-monitoring-information>
  <spu-utilization-statistics>
    <fpc>
      <pic>
        <pic-number>
          pic-number
        </pic-number>
        <spu-cpu-utilization>
```

```

    spu-cpu-utilization
  </spu-cpu-utilization>
  <spu-memory-utilization>
    spu-memory-utilization
  </spu-memory-utilization>
  <spu-current-flow-session>
    spu-current-flow-session
  </spu-current-flow-session>
  <spu-max-flow-session>
    spu-max-flow-session
  </spu-max-flow-session>
  <spu-current-cp-session>
    spu-current-cp-session
  </spu-current-cp-session>
  <spu-max-cp-session>
    spu-max-cp-session
  </spu-max-cp-session>
  <session-cps>
    session-cps
  </session-cps>
  <session-cps2>
    session-cps2
  </session-cps2>
</pic>
</fpc>
</spu-utilization-statistics>
</spu-monitoring-information>

```

**Description** PIC stats

### <spu-monitoring-information>

#### Usage

```

<spu-monitoring-information>
  <spu-utilization-statistics>....</spu-utilization-statistics>
</spu-monitoring-information>

```

**Description**

### <spu-utilization-statistics>

#### Usage

```

<spu-monitoring-information>
  <spu-utilization-statistics>
    <fpc>....</fpc>
  </spu-utilization-statistics>
</spu-monitoring-information>

```

**Description**

## Summary of SPU Performance Response Tags

---

### <performance-arena-information>

#### Usage

```
<performance-arena-information>
  <performance-arena-statistics>....</performance-arena-statistics>
</performance-arena-information>
```

#### Description

### <performance-arena-statistics>

#### Usage

```
<performance-arena-information>
  <performance-arena-statistics>
    <fpc-number>
      fpc-number
    </fpc-number>
    <pic-number>
      pic-number
    </pic-number>
    <performance-info>
      performance-info
    </performance-info>
  </performance-arena-statistics>
</performance-arena-information>
```

#### Description

### <performance-heap-information>

#### Usage

```
<performance-heap-information>
  <performance-heap-statistics>....</performance-heap-statistics>
</performance-heap-information>
```

#### Description

### <performance-heap-statistics>

#### Usage

```
<performance-heap-information>
  <performance-heap-statistics>
    <fpc-number>
      fpc-number
    </fpc-number>
    <pic-number>
      pic-number
    </pic-number>
    <performance-info>
      performance-info
  </performance-heap-statistics>
```

```
</performance-info>
</performance-heap-statistics>
</performance-heap-information>
```

#### Description

### <performance-session-information>

#### Usage

```
<performance-session-information>
  <performance-session-statistics>....</performance-session-statistics>
</performance-session-information>
```

#### Description

### <performance-session-statistics>

#### Usage

```
<performance-session-information>
  <performance-session-statistics>
    <fpc-number>
      fpc-number
    </fpc-number>
    <pic-number>
      pic-number
    </pic-number>
    <performance-info>
      performance-info
    </performance-info>
  </performance-session-statistics>
</performance-session-information>
```

#### Description

### <performance-spu-information>

#### Usage

```
<performance-spu-information>
  <performance-spu-statistics>....</performance-spu-statistics>
</performance-spu-information>
```

#### Description

### <performance-spu-statistics>

#### Usage

```
<performance-spu-information>
  <performance-spu-statistics>
    <fpc-number>
      fpc-number
    </fpc-number>
    <pic-number>

```

```
    pic-number
  </pic-number>
  <performance-info>
    performance-info
  </performance-info>
</performance-spu-statistics>
</performance-spu-information>
```

#### Description

---

## Summary of Telephony Gateway Module Response Tags

---

### <dynamic-cac-information>

#### Usage

```
<dynamic-cac-information>
  <dynamic-cac-interface-name>
    dynamic-cac-interface-name
  </dynamic-cac-interface-name>
  <dynamic-cac-interface-state>
    dynamic-cac-interface-state
  </dynamic-cac-interface-state>
  <dynamic-cac-activation-priority>
    dynamic-cac-activation-priority
  </dynamic-cac-activation-priority>
  <dynamic-cac-bbl>
    dynamic-cac-bbl
  </dynamic-cac-bbl>
</dynamic-cac-information>
```

**Description** Information about dynamic call admission control

### <dynamic-cac-information>

#### Usage

```
<tgm-dynamic-cac-list>
  <dynamic-cac-information>
    <dynamic-cac-interface-name>
      dynamic-cac-interface-name
    </dynamic-cac-interface-name>
    <dynamic-cac-interface-state>
      dynamic-cac-interface-state
    </dynamic-cac-interface-state>
    <dynamic-cac-activation-priority>
      dynamic-cac-activation-priority
    </dynamic-cac-activation-priority>
    <dynamic-cac-bbl>
      dynamic-cac-bbl
    </dynamic-cac-bbl>
  </dynamic-cac-information>
</tgm-dynamic-cac-list>
```

**Description** Information about dynamic call admission control

### <dynamic-cac-information>

**Usage**

```
<tgm-dynamic-cac-information>
<tgm-dynamic-cac-list>
  <dynamic-cac-information>
    <dynamic-cac-interface-name>
      dynamic-cac-interface-name
    </dynamic-cac-interface-name>
    <dynamic-cac-interface-state>
      dynamic-cac-interface-state
    </dynamic-cac-interface-state>
    <dynamic-cac-activation-priority>
      dynamic-cac-activation-priority
    </dynamic-cac-activation-priority>
    <dynamic-cac-bbl>
      dynamic-cac-bbl
    </dynamic-cac-bbl>
  </dynamic-cac-information>
</tgm-dynamic-cac-list>
</tgm-dynamic-cac-information>
```

**Description** Information about dynamic call admission control

### <media-gateway-controller-configuration>

**Usage**

```
<tgm-information>
  <media-gateway-controller-configuration>
    <media-gateway-controller>
      media-gateway-controller
    </media-gateway-controller>
  </media-gateway-controller-configuration>
</tgm-information>
```

**Description** Information about a telephony gateway module (TGM) media gateway controller

### <telephony-interface-module-status>

**Usage**

```
<telephony-interface-module-status>
  <slot>
    slot
  </slot>
  <tim-state>
    tim-state
  </tim-state>
  <offline-reason>
    offline-reason
  </offline-reason>
```

</telephony-interface-module-status>

**Description** Status of the telephony interface modules

### <telephony-interface-module-status>

**Usage**

```
<telephony-interface-module-status-information>
  <telephony-interface-module-status>
    <slot>
      slot
    </slot>
    <tim-state>
      tim-state
    </tim-state>
    <offline-reason>
      offline-reason
    </offline-reason>
  </telephony-interface-module-status>
</telephony-interface-module-status-information>
```

**Description** Status of the telephony interface modules

### <telephony-interface-module-status-information>

**Usage**

```
<telephony-interface-module-status-information>
  <telephony-interface-module-status>....</telephony-interface-module-status>
</telephony-interface-module-status-information>
```

**Description**

### <tgm-dsp-capacity-information>

**Usage**

```
<tgm-dsp-capacity-information>
  <dsp-capacity>
    dsp-capacity
  </dsp-capacity>
</tgm-dsp-capacity-information>
```

**Description**

### <tgm-dynamic-cac-information>

**Usage**

```
<tgm-dynamic-cac-information>
  <tgm-reported-bearer-bandwidth-limit>
    tgm-reported-bearer-bandwidth-limit
  </tgm-reported-bearer-bandwidth-limit>
  <tgm-dynamic-cac-list>....</tgm-dynamic-cac-list>
```



`</tgm-dynamic-cac-information>`

**Description** Information about dynamic call admission control

### `<tgm-dynamic-cac-list>`

**Usage**

```
<tgm-dynamic-cac-list>
  <dynamic-cac-information>....</dynamic-cac-information>
</tgm-dynamic-cac-list>
```

**Description** List of dynamic call admission control configured interfaces

### `<tgm-dynamic-cac-list>`

**Usage**

```
<tgm-dynamic-cac-information>
  <tgm-dynamic-cac-list>
    <dynamic-cac-information>....</dynamic-cac-information>
  </tgm-dynamic-cac-list>
</tgm-dynamic-cac-information>
```

**Description** List of dynamic call admission control configured interfaces

### `<tgm-information>`

**Usage**

```
<tgm-information>
  <media-gateway-controller-configuration>....</media-gateway-controller-configuration>
</tgm-information>
```

**Description**

---

## Summary of Unified Access Control Response Tags

---

### `<authentication-table>`

**Usage**

```
<authentication-table>
  <entry>....</entry>
  <total-users>
    total-users
  </total-users>
</authentication-table>
```

**Description** Authentication table

## <entry>

### Usage

```
<authentication-table>
  <entry>
    <id>
      id
    </id>
    <source>
      source
    </source>
    <username>
      username
    </username>
    <age>
      age
    </age>
    <roles>....</roles>
  </entry>
</authentication-table>
```

**Description** Authentication entry information

## <infranet-controller>

### Usage

```
<infranet-controllers>
  <infranet-controller>
    <host-name>
      host-name
    </host-name>
    <address>
      address
    </address>
    <port>
      port
    </port>
    <interface>
      interface
    </interface>
    <connection-state>
      connection-state
    </connection-state>
  </infranet-controller>
</infranet-controllers>
```

**Description** Infranet controller connection information

## <infranet-controllers>

### Usage

```
<infranet-controllers>
```

```
<infranet-controller>....</infranet-controller>
</infranet-controllers>
```

**Description** Infranet controllers

## <policy>

### Usage

```
<resource-access-policies>
<policy>
  <id>
    id
  </id>
  <resources>....</resources>
  <policy-action>
    policy-action
  </policy-action>
  <apply>
    apply
  </apply>
  <roles>....</roles>
</policy>
</resource-access-policies>
```

**Description** Resource access policy information

## <resource-access-policies>

### Usage

```
<resource-access-policies>
<policy>....</policy>
<total-policies>
  total-policies
</total-policies>
</resource-access-policies>
```

**Description** Resource access policies

## <resources>

### Usage

```
<resource-access-policies>
<policy>
  <resources>
    <resource>
      resource
    </resource>
  </resources>
</policy>
</resource-access-policies>
```

**Description**    Resource list

**<role>**

**Usage**

```
<role>
  <role-id>
    role-id
  </role-id>
  <role-name>
    role-name
  </role-name>
</role>
```

**Description**    Role

**<role>**

**Usage**

```
<roles>
  <role>
    <role-id>
      role-id
    </role-id>
    <role-name>
      role-name
    </role-name>
  </role>
</roles>
```

**Description**    Role

**<role>**

**Usage**

```
<resource-access-policies>
  <policy>
    <roles>
      <role>
        <role-id>
          role-id
        </role-id>
        <role-name>
          role-name
        </role-name>
      </role>
    </roles>
  </policy>
</resource-access-policies>
```

Description	Role
-------------	------

**<role>**

Usage

```
<authentication-table>
<entry>
  <roles>
    <role>
      <role-id>
        role-id
      </role-id>
      <role-name>
        role-name
      </role-name>
    </role>
  </roles>
</entry>
</authentication-table>
```

Description	Role
-------------	------

**<roles>**

Usage

```
<roles>
  <role>....</role>
</roles>
```

Description	Role list
-------------	-----------

**<roles>**

Usage

```
<resource-access-policies>
<policy>
  <roles>
    <role>....</role>
  </roles>
</policy>
</resource-access-policies>
```

Description	Role list
-------------	-----------

**<roles>**

Usage

```
<authentication-table>
<entry>
  <roles>
```

```
<role>....</role>
</roles>
</entry>
</authentication-table>
```

**Description**    Role list

---

## Summary of Antispam Statistics Response Tags

### <anti-spam>

**Usage**

```
<anti-spam>
<anti-spam-statistics>....</anti-spam-statistics>
<anti-spam-status>....</anti-spam-status>
</anti-spam>
```

**Description**    Statistics of anti spam features

### <anti-spam-clear>

**Usage**

```
<anti-spam-clear>
<anti-spam-clear-result>
  anti-spam-clear-result
</anti-spam-clear-result>
</anti-spam-clear>
```

**Description**    UTM anti-spam clear result

### <anti-spam-statistics>

**Usage**

```
<anti-spam>
<anti-spam-statistics>
<total-connections>
  total-connections
</total-connections>
<denied-connections>
  denied-connections
</denied-connections>
<total-greetings>
  total-greetings
</total-greetings>
<denied-greetings>
  denied-greetings
</denied-greetings>
<total-emails-scanned>
  total-emails-scanned
</total-emails-scanned>
```

```

<as-white-list-hit>
  as-white-list-hit
</as-white-list-hit>
<as-black-list-hit>
  as-black-list-hit
</as-black-list-hit>
<spam-total>
  spam-total
</spam-total>
<spam-tagged>
  spam-tagged
</spam-tagged>
<spam-dropped>
  spam-dropped
</spam-dropped>
<dns-errors>
  dns-errors
</dns-errors>
<timeout-errors>
  timeout-errors
</timeout-errors>
<return-errors>
  return-errors
</return-errors>
<invalid-parameter-errors>
  invalid-parameter-errors
</invalid-parameter-errors>
<statistics-start-time>
  statistics-start-time
</statistics-start-time>
<statistics-last-10-days>....</statistics-last-10-days>
</anti-spam-statistics>
</anti-spam>

```

**Description** Anti-spam statistics

### <anti-spam-status>

#### Usage

```

<anti-spam>
  <anti-spam-status>
    <dns-server-setting>....</dns-server-setting>
  </anti-spam-status>
</anti-spam>

```

**Description** Anti-Spam status

### <anti-spam-test>

#### Usage

```

<anti-spam-test>
  <anti-spam-test-result>

```

```
    anti-spam-test-result
  </anti-spam-test-result>
</anti-spam-test>
```

**Description** UTM anti-spam test results

## <anti-virus>

### Usage

```
<anti-virus>
  <anti-virus-statistics>....</anti-virus-statistics>
  <anti-virus-status>....</anti-virus-status>
  <sophos-anti-virus-status>....</sophos-anti-virus-status>
  <anti-virus-statistics-details>....</anti-virus-statistics-details>
</anti-virus>
```

**Description** Statistics of anti virus features

## <anti-virus-clear>

### Usage

```
<anti-virus-clear>
  <anti-virus-clear-result>
    anti-virus-clear-result
  </anti-virus-clear-result>
</anti-virus-clear>
```

**Description** UTM anti-virus clear result

## <anti-virus-request-update>

### Usage

```
<anti-virus-request-update>
  <anti-virus-request-update-result>
    anti-virus-request-update-result
  </anti-virus-request-update-result>
</anti-virus-request-update>
```

**Description** UTM anti-virus request update

## <anti-virus-statistics>

### Usage

```
<anti-virus>
  <anti-virus-statistics>
    <forward-to-scan-engine>
      forward-to-scan-engine
    </forward-to-scan-engine>
    <scan-intelligent>
```



```

    scan-intelligent
  </scan-intelligent>
  <skip-mime>
    skip-mime
  </skip-mime>
  <url-white>
    url-white
  </url-white>
  <scan-mode>....</scan-mode>
  <scan-code>....</scan-code>
  <scan-request>....</scan-request>
  <fall-back>....</fall-back>
  <fall-back-permit>....</fall-back-permit>
</anti-virus-statistics>
</anti-virus>

```

**Description** Anti-virus statistics

### <anti-virus-statistics-details>

#### Usage

```

<anti-virus>
  <anti-virus-statistics-details>
    <anti-virus-statistics-details-http>....</anti-virus-statistics-details-http>
    <anti-virus-statistics-details-ftp>....</anti-virus-statistics-details-ftp>
    <anti-virus-statistics-details-smtp>....</anti-virus-statistics-details-smtp>
    <anti-virus-statistics-details-pop3>....</anti-virus-statistics-details-pop3>
    <anti-virus-statistics-details-imap>....</anti-virus-statistics-details-imap>
  </anti-virus-statistics-details>
</anti-virus>

```

#### Description

### <anti-virus-statistics-details-ftp>

#### Usage

```

<anti-virus>
  <anti-virus-statistics-details>
    <anti-virus-statistics-details-ftp>
      <ftp-scan-request>....</ftp-scan-request>
      <ftp-fallback-request-no-permit>....</ftp-fallback-request-no-permit>
      <ftp-fallback-request>....</ftp-fallback-request>
    </anti-virus-statistics-details-ftp>
  </anti-virus-statistics-details>
</anti-virus>

```

#### Description

### <anti-virus-statistics-details-http>

#### Usage

```

<anti-virus>

```

```
<anti-virus-statistics-details>
  <anti-virus-statistics-details-http>
    <http-mime-whitelist-passed>
      http-mime-whitelist-passed
    </http-mime-whitelist-passed>
    <http-url-whitelist-passed>
      http-url-whitelist-passed
    </http-url-whitelist-passed>
    <http-scan-request>....</http-scan-request>
    <http-fallback-request-no-permit>....</http-fallback-request-no-permit>
    <http-fallback-request>....</http-fallback-request>
  </anti-virus-statistics-details-http>
</anti-virus-statistics-details>
</anti-virus>
```

#### Description

### <anti-virus-statistics-details-imap>

#### Usage

```
<anti-virus>
  <anti-virus-statistics-details>
    <anti-virus-statistics-details-imap>
      <imap-scan-request>....</imap-scan-request>
      <imap-fallback-request-no-permit>....</imap-fallback-request-no-permit>
      <imap-fallback-request>....</imap-fallback-request>
    </anti-virus-statistics-details-imap>
  </anti-virus-statistics-details>
</anti-virus>
```

#### Description

### <anti-virus-statistics-details-pop3>

#### Usage

```
<anti-virus>
  <anti-virus-statistics-details>
    <anti-virus-statistics-details-pop3>
      <pop3-scan-request>....</pop3-scan-request>
      <pop3-fallback-request-no-permit>....</pop3-fallback-request-no-permit>
      <pop3-fallback-request>....</pop3-fallback-request>
    </anti-virus-statistics-details-pop3>
  </anti-virus-statistics-details>
</anti-virus>
```

#### Description

### <anti-virus-statistics-details-smtp>

#### Usage

```
<anti-virus>
  <anti-virus-statistics-details>
    <anti-virus-statistics-details-smtp>
```

```

    <smtp-scan-request>....</smtp-scan-request>
    <smtp-fallback-request-no-permit>....</smtp-fallback-request-no-permit>
    <smtp-fallback-request>....</smtp-fallback-request>
  </anti-virus-statistics-details-smtp>
</anti-virus-statistics-details>
</anti-virus>

```

## Description

### <anti-virus-status>

#### Usage

```

<anti-virus>
  <anti-virus-status>
    <anti-virus-key-expire-date>
      anti-virus-key-expire-date
    </anti-virus-key-expire-date>
    <anti-virus-update-url>
      anti-virus-update-url
    </anti-virus-update-url>
    <anti-virus-update-interval>
      anti-virus-update-interval
    </anti-virus-update-interval>
    <anti-virus-update-status>
      anti-virus-update-status
    </anti-virus-update-status>
    <anti-virus-proxy-server>
      anti-virus-proxy-server
    </anti-virus-proxy-server>
    <anti-virus-update-result>
      anti-virus-update-result
    </anti-virus-update-result>
    <anti-virus-signature-version>
      anti-virus-signature-version
    </anti-virus-signature-version>
    <anti-virus-compiler-version>
      anti-virus-compiler-version
    </anti-virus-compiler-version>
    <anti-virus-scan-engine-type>
      anti-virus-scan-engine-type
    </anti-virus-scan-engine-type>
    <anti-virus-scan-engine-information>
      anti-virus-scan-engine-information
    </anti-virus-scan-engine-information>
    <anti-virus-status-detail>
      anti-virus-status-detail
    </anti-virus-status-detail>
  </anti-virus-status>
</anti-virus>

```

**Description** Anti-virus status

### <anti-virus-test>

#### Usage

```
<anti-virus-test>
  <anti-virus-test-result>
    anti-virus-test-result
  </anti-virus-test-result>
</anti-virus-test>
```

**Description** UTM anti-virus test results

### <clear-content-filter>

#### Usage

```
<clear-content-filter>
  <clear-content-filter-result>
    clear-content-filter-result
  </clear-content-filter-result>
</clear-content-filter>
```

**Description** UTM content-filter clear result

### <content-filtering>

#### Usage

```
<content-filtering>
  <content-filtering-statistics>....</content-filtering-statistics>
  <content-filtering-status>....</content-filtering-status>
</content-filtering>
```

**Description** Statistics of content-filtering features

### <content-filtering-statistics>

#### Usage

```
<content-filtering>
  <content-filtering-statistics>
    <passed-blocked>....</passed-blocked>
  </content-filtering-statistics>
</content-filtering>
```

**Description** Content-filtering statistics

### <content-filtering-status>

#### Usage

```
<content-filtering>
  <content-filtering-status>
```

```

<content-filtering-status-value>
  content-filtering-status-value
</content-filtering-status-value>
<content-filtering-profile-name>
  content-filtering-profile-name
</content-filtering-profile-name>
</content-filtering-status>
</content-filtering>

```

**Description** Content-filtering status

## <dns-server-setting>

### Usage

```

<anti-spam>
  <anti-spam-status>
    <dns-server-setting>
      <primary>
        primary
      </primary>
      <primary-source-interface>
        primary-source-interface
      </primary-source-interface>
      <secondary>
        secondary
      </secondary>
      <secondary-source-interface>
        secondary-source-interface
      </secondary-source-interface>
      <ternary>
        ternary
      </ternary>
      <ternary-source-interface>
        ternary-source-interface
      </ternary-source-interface>
    </dns-server-setting>
  </anti-spam-status>
</anti-spam>

```

**Description**

## <fall-back>

### Usage

```

<anti-virus>
  <anti-virus-statistics>
    <fall-back>
      <engine-not-ready-log-and-permit>
        engine-not-ready-log-and-permit
      </engine-not-ready-log-and-permit>
      <engine-not-ready-block>
        engine-not-ready-block
      </engine-not-ready-block>
    </fall-back>
  </anti-virus-statistics>
</anti-virus>

```

```
<password-log-and-permit>
  password-log-and-permit
</password-log-and-permit>
<password-block>
  password-block
</password-block>
<decompress-layer-log-and-permit>
  decompress-layer-log-and-permit
</decompress-layer-log-and-permit>
<decompress-layer-block>
  decompress-layer-block
</decompress-layer-block>
<corrupted-file-log-and-permit>
  corrupted-file-log-and-permit
</corrupted-file-log-and-permit>
<corrupted-file-block>
  corrupted-file-block
</corrupted-file-block>
<out-of-resource-log-and-permit>
  out-of-resource-log-and-permit
</out-of-resource-log-and-permit>
<out-of-resource-block>
  out-of-resource-block
</out-of-resource-block>
<timeout-log-and-permit>
  timeout-log-and-permit
</timeout-log-and-permit>
<timeout-block>
  timeout-block
</timeout-block>
<maximum-content-size-log-and-permit>
  maximum-content-size-log-and-permit
</maximum-content-size-log-and-permit>
<maximum-content-size-block>
  maximum-content-size-block
</maximum-content-size-block>
<too-many-requests-log-and-permit>
  too-many-requests-log-and-permit
</too-many-requests-log-and-permit>
<too-many-requests-block>
  too-many-requests-block
</too-many-requests-block>
<others-log-and-permit>
  others-log-and-permit
</others-log-and-permit>
<others-block>
  others-block
</others-block>
</fall-back>
</anti-virus-statistics>
</anti-virus>
```

**Description** Anti-virus fallback results

## &lt;fall-back-permit&gt;

## Usage

```

<anti-virus>
<anti-virus-statistics>
  <fall-back-permit>
    <engine-not-ready-log-and-permit>
      engine-not-ready-log-and-permit
    </engine-not-ready-log-and-permit>
    <engine-not-ready-permit>
      engine-not-ready-permit
    </engine-not-ready-permit>
    <engine-not-ready-block>
      engine-not-ready-block
    </engine-not-ready-block>
    <password-log-and-permit>
      password-log-and-permit
    </password-log-and-permit>
    <password-permit>
      password-permit
    </password-permit>
    <password-block>
      password-block
    </password-block>
    <decompress-layer-log-and-permit>
      decompress-layer-log-and-permit
    </decompress-layer-log-and-permit>
    <decompress-layer-permit>
      decompress-layer-permit
    </decompress-layer-permit>
    <decompress-layer-block>
      decompress-layer-block
    </decompress-layer-block>
    <corrupted-file-log-and-permit>
      corrupted-file-log-and-permit
    </corrupted-file-log-and-permit>
    <corrupted-file-permit>
      corrupted-file-permit
    </corrupted-file-permit>
    <corrupted-file-block>
      corrupted-file-block
    </corrupted-file-block>
    <out-of-resource-log-and-permit>
      out-of-resource-log-and-permit
    </out-of-resource-log-and-permit>
    <out-of-resource-permit>
      out-of-resource-permit
    </out-of-resource-permit>
    <out-of-resource-block>
      out-of-resource-block
    </out-of-resource-block>
    <timeout-log-and-permit>
      timeout-log-and-permit
    </timeout-log-and-permit>
    <timeout-permit>

```

```
    timeout-permit
  </timeout-permit>
  <timeout-block>
    timeout-block
  </timeout-block>
  <maximum-content-size-log-and-permit>
    maximum-content-size-log-and-permit
  </maximum-content-size-log-and-permit>
  <maximum-content-size-permit>
    maximum-content-size-permit
  </maximum-content-size-permit>
  <maximum-content-size-block>
    maximum-content-size-block
  </maximum-content-size-block>
  <too-many-requests-log-and-permit>
    too-many-requests-log-and-permit
  </too-many-requests-log-and-permit>
  <too-many-requests-permit>
    too-many-requests-permit
  </too-many-requests-permit>
  <too-many-requests-block>
    too-many-requests-block
  </too-many-requests-block>
  <others-log-and-permit>
    others-log-and-permit
  </others-log-and-permit>
  <others-permit>
    others-permit
  </others-permit>
  <others-block>
    others-block
  </others-block>
</fall-back-permit>
</anti-virus-statistics>
</anti-virus>
```

**Description** Anti-virus fallback results

### <ftp-fallback-request>

#### Usage

```
<anti-virus>
  <anti-virus-statistics-details>
    <anti-virus-statistics-details-ftp>
      <ftp-fallback-request>
        <ftp-fallback-engine-not-ready-log-permit>
          ftp-fallback-engine-not-ready-log-permit
        </ftp-fallback-engine-not-ready-log-permit>
        <ftp-fallback-engine-not-ready-block>
          ftp-fallback-engine-not-ready-block
        </ftp-fallback-engine-not-ready-block>
        <ftp-fallback-engine-not-ready-permit>
          ftp-fallback-engine-not-ready-permit
        </ftp-fallback-engine-not-ready-permit>
```



```

<ftp-fallback-out-resource-log-permit>
  ftp-fallback-out-resource-log-permit
</ftp-fallback-out-resource-log-permit>
<ftp-fallback-out-resource-block>
  ftp-fallback-out-resource-block
</ftp-fallback-out-resource-block>
<ftp-fallback-out-resource-permit>
  ftp-fallback-out-resource-permit
</ftp-fallback-out-resource-permit>
<ftp-fallback-timeout-log-permit>
  ftp-fallback-timeout-log-permit
</ftp-fallback-timeout-log-permit>
<ftp-fallback-timeout-block>
  ftp-fallback-timeout-block
</ftp-fallback-timeout-block>
<ftp-fallback-timeout-permit>
  ftp-fallback-timeout-permit
</ftp-fallback-timeout-permit>
<ftp-fallback-maximum-content-size-log-permit>
  ftp-fallback-maximum-content-size-log-permit
</ftp-fallback-maximum-content-size-log-permit>
<ftp-fallback-maximum-content-size-block>
  ftp-fallback-maximum-content-size-block
</ftp-fallback-maximum-content-size-block>
<ftp-fallback-maximum-content-size-permit>
  ftp-fallback-maximum-content-size-permit
</ftp-fallback-maximum-content-size-permit>
<ftp-fallback-too-many-requests-log-permit>
  ftp-fallback-too-many-requests-log-permit
</ftp-fallback-too-many-requests-log-permit>
<ftp-fallback-too-many-requests-block>
  ftp-fallback-too-many-requests-block
</ftp-fallback-too-many-requests-block>
<ftp-fallback-too-many-requests-permit>
  ftp-fallback-too-many-requests-permit
</ftp-fallback-too-many-requests-permit>
<ftp-fallback-others-log-permit>
  ftp-fallback-others-log-permit
</ftp-fallback-others-log-permit>
<ftp-fallback-others-block>
  ftp-fallback-others-block
</ftp-fallback-others-block>
<ftp-fallback-others-permit>
  ftp-fallback-others-permit
</ftp-fallback-others-permit>
</ftp-fallback-request>
</anti-virus-statistics-details-ftp>
</anti-virus-statistics-details>
</anti-virus>

```

## Description

## <ftp-fallback-request-no-permit>

### Usage

```
<anti-virus>
<anti-virus-statistics-details>
<anti-virus-statistics-details-ftp>
  <ftp-fallback-request-no-permit>
    <ftp-fallback-engine-not-ready-log-permit>
      ftp-fallback-engine-not-ready-log-permit
    </ftp-fallback-engine-not-ready-log-permit>
    <ftp-fallback-engine-not-ready-block>
      ftp-fallback-engine-not-ready-block
    </ftp-fallback-engine-not-ready-block>
    <ftp-fallback-engine-not-ready-permit>
      ftp-fallback-engine-not-ready-permit
    </ftp-fallback-engine-not-ready-permit>
    <ftp-fallback-out-resource-log-permit>
      ftp-fallback-out-resource-log-permit
    </ftp-fallback-out-resource-log-permit>
    <ftp-fallback-out-resource-block>
      ftp-fallback-out-resource-block
    </ftp-fallback-out-resource-block>
    <ftp-fallback-out-resource-permit>
      ftp-fallback-out-resource-permit
    </ftp-fallback-out-resource-permit>
    <ftp-fallback-timeout-log-permit>
      ftp-fallback-timeout-log-permit
    </ftp-fallback-timeout-log-permit>
    <ftp-fallback-timeout-block>
      ftp-fallback-timeout-block
    </ftp-fallback-timeout-block>
    <ftp-fallback-timeout-permit>
      ftp-fallback-timeout-permit
    </ftp-fallback-timeout-permit>
    <ftp-fallback-maximum-content-size-log-permit>
      ftp-fallback-maximum-content-size-log-permit
    </ftp-fallback-maximum-content-size-log-permit>
    <ftp-fallback-maximum-content-size-block>
      ftp-fallback-maximum-content-size-block
    </ftp-fallback-maximum-content-size-block>
    <ftp-fallback-maximum-content-size-permit>
      ftp-fallback-maximum-content-size-permit
    </ftp-fallback-maximum-content-size-permit>
    <ftp-fallback-too-many-requests-log-permit>
      ftp-fallback-too-many-requests-log-permit
    </ftp-fallback-too-many-requests-log-permit>
    <ftp-fallback-too-many-requests-block>
      ftp-fallback-too-many-requests-block
    </ftp-fallback-too-many-requests-block>
    <ftp-fallback-too-many-requests-permit>
      ftp-fallback-too-many-requests-permit
    </ftp-fallback-too-many-requests-permit>
    <ftp-fallback-others-log-permit>
      ftp-fallback-others-log-permit
    </ftp-fallback-others-log-permit>
```

```

<ftp-fallback-others-block>
  ftp-fallback-others-block
</ftp-fallback-others-block>
<ftp-fallback-others-permit>
  ftp-fallback-others-permit
</ftp-fallback-others-permit>
</ftp-fallback-request-no-permit>
</anti-virus-statistics-details-ftp>
</anti-virus-statistics-details>
</anti-virus>

```

#### Description

### <ftp-scan-request>

#### Usage

```

<anti-virus>
<anti-virus-statistics-details>
<anti-virus-statistics-details-ftp>
<ftp-scan-request>
  <ftp-scan-request-total>
    ftp-scan-request-total
  </ftp-scan-request-total>
  <ftp-scan-request-clean>
    ftp-scan-request-clean
  </ftp-scan-request-clean>
  <ftp-scan-request-threat>
    ftp-scan-request-threat
  </ftp-scan-request-threat>
</ftp-scan-request>
</anti-virus-statistics-details-ftp>
</anti-virus-statistics-details>
</anti-virus>

```

#### Description

### <http-fallback-request>

#### Usage

```

<anti-virus>
<anti-virus-statistics-details>
<anti-virus-statistics-details-http>
<http-fallback-request>
  <http-fallback-engine-not-ready-log-permit>
    http-fallback-engine-not-ready-log-permit
  </http-fallback-engine-not-ready-log-permit>
  <http-fallback-engine-not-ready-block>
    http-fallback-engine-not-ready-block
  </http-fallback-engine-not-ready-block>
  <http-fallback-engine-not-ready-permit>
    http-fallback-engine-not-ready-permit
  </http-fallback-engine-not-ready-permit>
  <http-fallback-out-resource-log-permit>
    http-fallback-out-resource-log-permit

```

```
</http-fallback-out-resource-log-permit>
<http-fallback-out-resource-block>
  http-fallback-out-resource-block
</http-fallback-out-resource-block>
<http-fallback-out-resource-permit>
  http-fallback-out-resource-permit
</http-fallback-out-resource-permit>
<http-fallback-timeout-log-permit>
  http-fallback-timeout-log-permit
</http-fallback-timeout-log-permit>
<http-fallback-timeout-block>
  http-fallback-timeout-block
</http-fallback-timeout-block>
<http-fallback-timeout-permit>
  http-fallback-timeout-permit
</http-fallback-timeout-permit>
<http-fallback-maximum-content-size-log-permit>
  http-fallback-maximum-content-size-log-permit
</http-fallback-maximum-content-size-log-permit>
<http-fallback-maximum-content-size-block>
  http-fallback-maximum-content-size-block
</http-fallback-maximum-content-size-block>
<http-fallback-maximum-content-size-permit>
  http-fallback-maximum-content-size-permit
</http-fallback-maximum-content-size-permit>
<http-fallback-too-many-requests-log-permit>
  http-fallback-too-many-requests-log-permit
</http-fallback-too-many-requests-log-permit>
<http-fallback-too-many-requests-block>
  http-fallback-too-many-requests-block
</http-fallback-too-many-requests-block>
<http-fallback-too-many-requests-permit>
  http-fallback-too-many-requests-permit
</http-fallback-too-many-requests-permit>
<http-fallback-others-log-permit>
  http-fallback-others-log-permit
</http-fallback-others-log-permit>
<http-fallback-others-block>
  http-fallback-others-block
</http-fallback-others-block>
<http-fallback-others-permit>
  http-fallback-others-permit
</http-fallback-others-permit>
</http-fallback-request>
</anti-virus-statistics-details-http>
</anti-virus-statistics-details>
</anti-virus>
```

#### Description

<http-fallback-request-no-permit>

#### Usage

```
<anti-virus>
  <anti-virus-statistics-details>
```

```
<anti-virus-statistics-details-http>
  <http-fallback-request-no-permit>
    <http-fallback-engine-not-ready-log-permit>
      http-fallback-engine-not-ready-log-permit
    </http-fallback-engine-not-ready-log-permit>
    <http-fallback-engine-not-ready-block>
      http-fallback-engine-not-ready-block
    </http-fallback-engine-not-ready-block>
    <http-fallback-engine-not-ready-permit>
      http-fallback-engine-not-ready-permit
    </http-fallback-engine-not-ready-permit>
    <http-fallback-out-resource-log-permit>
      http-fallback-out-resource-log-permit
    </http-fallback-out-resource-log-permit>
    <http-fallback-out-resource-block>
      http-fallback-out-resource-block
    </http-fallback-out-resource-block>
    <http-fallback-out-resource-permit>
      http-fallback-out-resource-permit
    </http-fallback-out-resource-permit>
    <http-fallback-timeout-log-permit>
      http-fallback-timeout-log-permit
    </http-fallback-timeout-log-permit>
    <http-fallback-timeout-block>
      http-fallback-timeout-block
    </http-fallback-timeout-block>
    <http-fallback-timeout-permit>
      http-fallback-timeout-permit
    </http-fallback-timeout-permit>
    <http-fallback-maximum-content-size-log-permit>
      http-fallback-maximum-content-size-log-permit
    </http-fallback-maximum-content-size-log-permit>
    <http-fallback-maximum-content-size-block>
      http-fallback-maximum-content-size-block
    </http-fallback-maximum-content-size-block>
    <http-fallback-maximum-content-size-permit>
      http-fallback-maximum-content-size-permit
    </http-fallback-maximum-content-size-permit>
    <http-fallback-too-many-requests-log-permit>
      http-fallback-too-many-requests-log-permit
    </http-fallback-too-many-requests-log-permit>
    <http-fallback-too-many-requests-block>
      http-fallback-too-many-requests-block
    </http-fallback-too-many-requests-block>
    <http-fallback-too-many-requests-permit>
      http-fallback-too-many-requests-permit
    </http-fallback-too-many-requests-permit>
    <http-fallback-others-log-permit>
      http-fallback-others-log-permit
    </http-fallback-others-log-permit>
    <http-fallback-others-block>
      http-fallback-others-block
    </http-fallback-others-block>
    <http-fallback-others-permit>
      http-fallback-others-permit
    </http-fallback-others-permit>
```

```
</http-fallback-request-no-permit>
</anti-virus-statistics-details-http>
</anti-virus-statistics-details>
</anti-virus>
```

#### Description

### <http-scan-request>

#### Usage

```
<anti-virus>
<anti-virus-statistics-details>
<anti-virus-statistics-details-http>
<http-scan-request>
  <http-scan-request-total>
    http-scan-request-total
  </http-scan-request-total>
  <http-scan-request-clean>
    http-scan-request-clean
  </http-scan-request-clean>
  <http-scan-request-threat>
    http-scan-request-threat
  </http-scan-request-threat>
</http-scan-request>
</anti-virus-statistics-details-http>
</anti-virus-statistics-details>
</anti-virus>
```

#### Description

### <imap-fallback-request>

#### Usage

```
<anti-virus>
<anti-virus-statistics-details>
<anti-virus-statistics-details-imap>
<imap-fallback-request>
  <imap-fallback-engine-not-ready-log-permit>
    imap-fallback-engine-not-ready-log-permit
  </imap-fallback-engine-not-ready-log-permit>
  <imap-fallback-engine-not-ready-block>
    imap-fallback-engine-not-ready-block
  </imap-fallback-engine-not-ready-block>
  <imap-fallback-engine-not-ready-permit>
    imap-fallback-engine-not-ready-permit
  </imap-fallback-engine-not-ready-permit>
  <imap-fallback-out-resource-log-permit>
    imap-fallback-out-resource-log-permit
  </imap-fallback-out-resource-log-permit>
  <imap-fallback-out-resource-block>
    imap-fallback-out-resource-block
  </imap-fallback-out-resource-block>
  <imap-fallback-out-resource-permit>
    imap-fallback-out-resource-permit
  </imap-fallback-out-resource-permit>
</imap-fallback-request>
</anti-virus-statistics-details-imap>
</anti-virus-statistics-details>
</anti-virus>
```

```

</imap-fallback-out-resource-permit>
<imap-fallback-timeout-log-permit>
  imap-fallback-timeout-log-permit
</imap-fallback-timeout-log-permit>
<imap-fallback-timeout-block>
  imap-fallback-timeout-block
</imap-fallback-timeout-block>
<imap-fallback-timeout-permit>
  imap-fallback-timeout-permit
</imap-fallback-timeout-permit>
<imap-fallback-maximum-content-size-log-permit>
  imap-fallback-maximum-content-size-log-permit
</imap-fallback-maximum-content-size-log-permit>
<imap-fallback-maximum-content-size-block>
  imap-fallback-maximum-content-size-block
</imap-fallback-maximum-content-size-block>
<imap-fallback-maximum-content-size-permit>
  imap-fallback-maximum-content-size-permit
</imap-fallback-maximum-content-size-permit>
<imap-fallback-too-many-requests-log-permit>
  imap-fallback-too-many-requests-log-permit
</imap-fallback-too-many-requests-log-permit>
<imap-fallback-too-many-requests-block>
  imap-fallback-too-many-requests-block
</imap-fallback-too-many-requests-block>
<imap-fallback-too-many-requests-permit>
  imap-fallback-too-many-requests-permit
</imap-fallback-too-many-requests-permit>
<imap-fallback-others-log-permit>
  imap-fallback-others-log-permit
</imap-fallback-others-log-permit>
<imap-fallback-others-block>
  imap-fallback-others-block
</imap-fallback-others-block>
<imap-fallback-others-permit>
  imap-fallback-others-permit
</imap-fallback-others-permit>
</imap-fallback-request>
</anti-virus-statistics-details-imap>
</anti-virus-statistics-details>
</anti-virus>

```

## Description

### <imap-fallback-request-no-permit>

#### Usage

```

<anti-virus>
<anti-virus-statistics-details>
<anti-virus-statistics-details-imap>
  <imap-fallback-request-no-permit>
    <imap-fallback-engine-not-ready-log-permit>
      imap-fallback-engine-not-ready-log-permit
    </imap-fallback-engine-not-ready-log-permit>
    <imap-fallback-engine-not-ready-block>

```

```
    imap-fallback-engine-not-ready-block
  </imap-fallback-engine-not-ready-block>
  <imap-fallback-engine-not-ready-permit>
    imap-fallback-engine-not-ready-permit
  </imap-fallback-engine-not-ready-permit>
  <imap-fallback-out-resource-log-permit>
    imap-fallback-out-resource-log-permit
  </imap-fallback-out-resource-log-permit>
  <imap-fallback-out-resource-block>
    imap-fallback-out-resource-block
  </imap-fallback-out-resource-block>
  <imap-fallback-out-resource-permit>
    imap-fallback-out-resource-permit
  </imap-fallback-out-resource-permit>
  <imap-fallback-timeout-log-permit>
    imap-fallback-timeout-log-permit
  </imap-fallback-timeout-log-permit>
  <imap-fallback-timeout-block>
    imap-fallback-timeout-block
  </imap-fallback-timeout-block>
  <imap-fallback-timeout-permit>
    imap-fallback-timeout-permit
  </imap-fallback-timeout-permit>
  <imap-fallback-maximum-content-size-log-permit>
    imap-fallback-maximum-content-size-log-permit
  </imap-fallback-maximum-content-size-log-permit>
  <imap-fallback-maximum-content-size-block>
    imap-fallback-maximum-content-size-block
  </imap-fallback-maximum-content-size-block>
  <imap-fallback-maximum-content-size-permit>
    imap-fallback-maximum-content-size-permit
  </imap-fallback-maximum-content-size-permit>
  <imap-fallback-too-many-requests-log-permit>
    imap-fallback-too-many-requests-log-permit
  </imap-fallback-too-many-requests-log-permit>
  <imap-fallback-too-many-requests-block>
    imap-fallback-too-many-requests-block
  </imap-fallback-too-many-requests-block>
  <imap-fallback-too-many-requests-permit>
    imap-fallback-too-many-requests-permit
  </imap-fallback-too-many-requests-permit>
  <imap-fallback-others-log-permit>
    imap-fallback-others-log-permit
  </imap-fallback-others-log-permit>
  <imap-fallback-others-block>
    imap-fallback-others-block
  </imap-fallback-others-block>
  <imap-fallback-others-permit>
    imap-fallback-others-permit
  </imap-fallback-others-permit>
</imap-fallback-request-no-permit>
</anti-virus-statistics-details-imap>
</anti-virus-statistics-details>
</anti-virus>
```



## Description

## &lt;imap-scan-request&gt;

## Usage

```

<anti-virus>
<anti-virus-statistics-details>
<anti-virus-statistics-details-imap>
  <imap-scan-request>
    <imap-scan-request-total>
      imap-scan-request-total
    </imap-scan-request-total>
    <imap-scan-request-clean>
      imap-scan-request-clean
    </imap-scan-request-clean>
    <imap-scan-request-threat>
      imap-scan-request-threat
    </imap-scan-request-threat>
  </imap-scan-request>
</anti-virus-statistics-details-imap>
</anti-virus-statistics-details>
</anti-virus>

```

## Description

## &lt;passed-blocked&gt;

## Usage

```

<content-filtering>
<content-filtering-statistics>
  <passed-blocked>
    <content-filtering-command-passed>
      content-filtering-command-passed
    </content-filtering-command-passed>
    <content-filtering-command-blocked>
      content-filtering-command-blocked
    </content-filtering-command-blocked>
    <content-filtering-mime-passed>
      content-filtering-mime-passed
    </content-filtering-mime-passed>
    <content-filtering-mime-blocked>
      content-filtering-mime-blocked
    </content-filtering-mime-blocked>
    <content-filtering-extension-passed>
      content-filtering-extension-passed
    </content-filtering-extension-passed>
    <content-filtering-extension-blocked>
      content-filtering-extension-blocked
    </content-filtering-extension-blocked>
    <content-filtering-activex-passed>
      content-filtering-activex-passed
    </content-filtering-activex-passed>
    <content-filtering-activex-blocked>
      content-filtering-activex-blocked
    </content-filtering-activex-blocked>
  </passed-blocked>
</content-filtering-statistics>
</content-filtering>

```

```
<content-filtering-java-applet-passed>
  content-filtering-java-applet-passed
</content-filtering-java-applet-passed>
<content-filtering-java-applet-blocked>
  content-filtering-java-applet-blocked
</content-filtering-java-applet-blocked>
<content-filtering-exe-passed>
  content-filtering-exe-passed
</content-filtering-exe-passed>
<content-filtering-exe-blocked>
  content-filtering-exe-blocked
</content-filtering-exe-blocked>
<content-filtering-zip-passed>
  content-filtering-zip-passed
</content-filtering-zip-passed>
<content-filtering-zip-blocked>
  content-filtering-zip-blocked
</content-filtering-zip-blocked>
<content-filtering-cookie-passed>
  content-filtering-cookie-passed
</content-filtering-cookie-passed>
<content-filtering-cookie-blocked>
  content-filtering-cookie-blocked
</content-filtering-cookie-blocked>
</passed-blocked>
</content-filtering-statistics>
</content-filtering>
```

## Description

### <pop3-fallback-request>

#### Usage

```
<anti-virus>
<anti-virus-statistics-details>
<anti-virus-statistics-details-pop3>
  <pop3-fallback-request>
    <pop3-fallback-engine-not-ready-log-permit>
      pop3-fallback-engine-not-ready-log-permit
    </pop3-fallback-engine-not-ready-log-permit>
    <pop3-fallback-engine-not-ready-block>
      pop3-fallback-engine-not-ready-block
    </pop3-fallback-engine-not-ready-block>
    <pop3-fallback-engine-not-ready-permit>
      pop3-fallback-engine-not-ready-permit
    </pop3-fallback-engine-not-ready-permit>
    <pop3-fallback-out-resource-log-permit>
      pop3-fallback-out-resource-log-permit
    </pop3-fallback-out-resource-log-permit>
    <pop3-fallback-out-resource-block>
      pop3-fallback-out-resource-block
    </pop3-fallback-out-resource-block>
    <pop3-fallback-out-resource-permit>
      pop3-fallback-out-resource-permit
    </pop3-fallback-out-resource-permit>
```

```

<pop3-fallback-timeout-log-permit>
  pop3-fallback-timeout-log-permit
</pop3-fallback-timeout-log-permit>
<pop3-fallback-timeout-block>
  pop3-fallback-timeout-block
</pop3-fallback-timeout-block>
<pop3-fallback-timeout-permit>
  pop3-fallback-timeout-permit
</pop3-fallback-timeout-permit>
<pop3-fallback-maximum-content-size-log-permit>
  pop3-fallback-maximum-content-size-log-permit
</pop3-fallback-maximum-content-size-log-permit>
<pop3-fallback-maximum-content-size-block>
  pop3-fallback-maximum-content-size-block
</pop3-fallback-maximum-content-size-block>
<pop3-fallback-maximum-content-size-permit>
  pop3-fallback-maximum-content-size-permit
</pop3-fallback-maximum-content-size-permit>
<pop3-fallback-too-many-requests-log-permit>
  pop3-fallback-too-many-requests-log-permit
</pop3-fallback-too-many-requests-log-permit>
<pop3-fallback-too-many-requests-block>
  pop3-fallback-too-many-requests-block
</pop3-fallback-too-many-requests-block>
<pop3-fallback-too-many-requests-permit>
  pop3-fallback-too-many-requests-permit
</pop3-fallback-too-many-requests-permit>
<pop3-fallback-others-log-permit>
  pop3-fallback-others-log-permit
</pop3-fallback-others-log-permit>
<pop3-fallback-others-block>
  pop3-fallback-others-block
</pop3-fallback-others-block>
<pop3-fallback-others-permit>
  pop3-fallback-others-permit
</pop3-fallback-others-permit>
</pop3-fallback-request>
</anti-virus-statistics-details-pop3>
</anti-virus-statistics-details>
</anti-virus>

```

## Description

### <pop3-fallback-request-no-permit>

#### Usage

```

<anti-virus>
  <anti-virus-statistics-details>
    <anti-virus-statistics-details-pop3>
      <pop3-fallback-request-no-permit>
        <pop3-fallback-engine-not-ready-log-permit>
          pop3-fallback-engine-not-ready-log-permit
        </pop3-fallback-engine-not-ready-log-permit>
        <pop3-fallback-engine-not-ready-block>
          pop3-fallback-engine-not-ready-block

```

```
</pop3-fallback-engine-not-ready-block>
<pop3-fallback-engine-not-ready-permit>
  pop3-fallback-engine-not-ready-permit
</pop3-fallback-engine-not-ready-permit>
<pop3-fallback-out-resource-log-permit>
  pop3-fallback-out-resource-log-permit
</pop3-fallback-out-resource-log-permit>
<pop3-fallback-out-resource-block>
  pop3-fallback-out-resource-block
</pop3-fallback-out-resource-block>
<pop3-fallback-out-resource-permit>
  pop3-fallback-out-resource-permit
</pop3-fallback-out-resource-permit>
<pop3-fallback-timeout-log-permit>
  pop3-fallback-timeout-log-permit
</pop3-fallback-timeout-log-permit>
<pop3-fallback-timeout-block>
  pop3-fallback-timeout-block
</pop3-fallback-timeout-block>
<pop3-fallback-timeout-permit>
  pop3-fallback-timeout-permit
</pop3-fallback-timeout-permit>
<pop3-fallback-maximum-content-size-log-permit>
  pop3-fallback-maximum-content-size-log-permit
</pop3-fallback-maximum-content-size-log-permit>
<pop3-fallback-maximum-content-size-block>
  pop3-fallback-maximum-content-size-block
</pop3-fallback-maximum-content-size-block>
<pop3-fallback-maximum-content-size-permit>
  pop3-fallback-maximum-content-size-permit
</pop3-fallback-maximum-content-size-permit>
<pop3-fallback-too-many-requests-log-permit>
  pop3-fallback-too-many-requests-log-permit
</pop3-fallback-too-many-requests-log-permit>
<pop3-fallback-too-many-requests-block>
  pop3-fallback-too-many-requests-block
</pop3-fallback-too-many-requests-block>
<pop3-fallback-too-many-requests-permit>
  pop3-fallback-too-many-requests-permit
</pop3-fallback-too-many-requests-permit>
<pop3-fallback-others-log-permit>
  pop3-fallback-others-log-permit
</pop3-fallback-others-log-permit>
<pop3-fallback-others-block>
  pop3-fallback-others-block
</pop3-fallback-others-block>
<pop3-fallback-others-permit>
  pop3-fallback-others-permit
</pop3-fallback-others-permit>
</pop3-fallback-request-no-permit>
</anti-virus-statistics-details-pop3>
</anti-virus-statistics-details>
</anti-virus>
```

## Description

## &lt;pop3-scan-request&gt;

## Usage

```

<anti-virus>
  <anti-virus-statistics-details>
    <anti-virus-statistics-details-pop3>
      <pop3-scan-request>
        <pop3-scan-request-total>
          pop3-scan-request-total
        </pop3-scan-request-total>
        <pop3-scan-request-clean>
          pop3-scan-request-clean
        </pop3-scan-request-clean>
        <pop3-scan-request-threat>
          pop3-scan-request-threat
        </pop3-scan-request-threat>
      </pop3-scan-request>
    </anti-virus-statistics-details-pop3>
  </anti-virus-statistics-details>
</anti-virus>

```

## Description

## &lt;scan-code&gt;

## Usage

```

<anti-virus>
  <anti-virus-statistics>
    <scan-code>
      <clear>
        clear
      </clear>
      <infected>
        infected
      </infected>
      <password>
        password
      </password>
      <decompress-layer>
        decompress-layer
      </decompress-layer>
      <corrupted-file>
        corrupted-file
      </corrupted-file>
      <out-of-resource>
        out-of-resource
      </out-of-resource>
      <internal-error>
        internal-error
      </internal-error>
    </scan-code>
  </anti-virus-statistics>

```

</anti-virus>

**Description** Anti-virus scan results

### <scan-mode>

#### Usage

```
<anti-virus>
  <anti-virus-statistics>
    <scan-mode>
      <scan-all>
        scan-all
      </scan-all>
      <scan-extension>
        scan-extension
      </scan-extension>
    </scan-mode>
  </anti-virus-statistics>
</anti-virus>
```

**Description** Anti-virus scan mode

### <scan-request>

#### Usage

```
<anti-virus>
  <anti-virus-statistics>
    <scan-request>
      <scan-request-total>
        scan-request-total
      </scan-request-total>
      <scan-request-clean>
        scan-request-clean
      </scan-request-clean>
      <scan-request-threat>
        scan-request-threat
      </scan-request-threat>
      <scan-request-fallback>
        scan-request-fallback
      </scan-request-fallback>
    </scan-request>
  </anti-virus-statistics>
</anti-virus>
```

**Description**

### <session-result>

#### Usage

```
<session-result>
  <maximum-sessions>
```

```

        maximum-sessions
      </maximum-sessions>
    <total-allocated-sessions>
      total-allocated-sessions
    </total-allocated-sessions>
    <total-freed-sessions>
      total-freed-sessions
    </total-freed-sessions>
    <active-sessions>
      active-sessions
    </active-sessions>
  </session-result>

```

**Description** Information of UTM sessions

## <smtp-fallback-request>

### Usage

```

<anti-virus>
  <anti-virus-statistics-details>
    <anti-virus-statistics-details-smtp>
      <smtp-fallback-request>
        <smtp-fallback-engine-not-ready-log-permit>
          smtp-fallback-engine-not-ready-log-permit
        </smtp-fallback-engine-not-ready-log-permit>
        <smtp-fallback-engine-not-ready-block>
          smtp-fallback-engine-not-ready-block
        </smtp-fallback-engine-not-ready-block>
        <smtp-fallback-engine-not-ready-permit>
          smtp-fallback-engine-not-ready-permit
        </smtp-fallback-engine-not-ready-permit>
        <smtp-fallback-out-resource-log-permit>
          smtp-fallback-out-resource-log-permit
        </smtp-fallback-out-resource-log-permit>
        <smtp-fallback-out-resource-block>
          smtp-fallback-out-resource-block
        </smtp-fallback-out-resource-block>
        <smtp-fallback-out-resource-permit>
          smtp-fallback-out-resource-permit
        </smtp-fallback-out-resource-permit>
        <smtp-fallback-timeout-log-permit>
          smtp-fallback-timeout-log-permit
        </smtp-fallback-timeout-log-permit>
        <smtp-fallback-timeout-block>
          smtp-fallback-timeout-block
        </smtp-fallback-timeout-block>
        <smtp-fallback-timeout-permit>
          smtp-fallback-timeout-permit
        </smtp-fallback-timeout-permit>
        <smtp-fallback-maximum-content-size-log-permit>
          smtp-fallback-maximum-content-size-log-permit
        </smtp-fallback-maximum-content-size-log-permit>
        <smtp-fallback-maximum-content-size-block>
          smtp-fallback-maximum-content-size-block

```

```

</smtp-fallback-maximum-content-size-block>
<smtp-fallback-maximum-content-size-permit>
  smtp-fallback-maximum-content-size-permit
</smtp-fallback-maximum-content-size-permit>
<smtp-fallback-too-many-requests-log-permit>
  smtp-fallback-too-many-requests-log-permit
</smtp-fallback-too-many-requests-log-permit>
<smtp-fallback-too-many-requests-block>
  smtp-fallback-too-many-requests-block
</smtp-fallback-too-many-requests-block>
<smtp-fallback-too-many-requests-permit>
  smtp-fallback-too-many-requests-permit
</smtp-fallback-too-many-requests-permit>
<smtp-fallback-others-log-permit>
  smtp-fallback-others-log-permit
</smtp-fallback-others-log-permit>
<smtp-fallback-others-block>
  smtp-fallback-others-block
</smtp-fallback-others-block>
<smtp-fallback-others-permit>
  smtp-fallback-others-permit
</smtp-fallback-others-permit>
</smtp-fallback-request>
</anti-virus-statistics-details-smtp>
</anti-virus-statistics-details>
</anti-virus>

```

## Description

### <smtp-fallback-request-no-permit>

#### Usage

```

<anti-virus>
<anti-virus-statistics-details>
<anti-virus-statistics-details-smtp>
  <smtp-fallback-request-no-permit>
    <smtp-fallback-engine-not-ready-log-permit>
      smtp-fallback-engine-not-ready-log-permit
    </smtp-fallback-engine-not-ready-log-permit>
    <smtp-fallback-engine-not-ready-block>
      smtp-fallback-engine-not-ready-block
    </smtp-fallback-engine-not-ready-block>
    <smtp-fallback-engine-not-ready-permit>
      smtp-fallback-engine-not-ready-permit
    </smtp-fallback-engine-not-ready-permit>
    <smtp-fallback-out-resource-log-permit>
      smtp-fallback-out-resource-log-permit
    </smtp-fallback-out-resource-log-permit>
    <smtp-fallback-out-resource-block>
      smtp-fallback-out-resource-block
    </smtp-fallback-out-resource-block>
    <smtp-fallback-out-resource-permit>
      smtp-fallback-out-resource-permit
    </smtp-fallback-out-resource-permit>
    <smtp-fallback-timeout-log-permit>

```



```

    smtp-fallback-timeout-log-permit
  </smtp-fallback-timeout-log-permit>
  <smtp-fallback-timeout-block>
    smtp-fallback-timeout-block
  </smtp-fallback-timeout-block>
  <smtp-fallback-timeout-permit>
    smtp-fallback-timeout-permit
  </smtp-fallback-timeout-permit>
  <smtp-fallback-maximum-content-size-log-permit>
    smtp-fallback-maximum-content-size-log-permit
  </smtp-fallback-maximum-content-size-log-permit>
  <smtp-fallback-maximum-content-size-block>
    smtp-fallback-maximum-content-size-block
  </smtp-fallback-maximum-content-size-block>
  <smtp-fallback-maximum-content-size-permit>
    smtp-fallback-maximum-content-size-permit
  </smtp-fallback-maximum-content-size-permit>
  <smtp-fallback-too-many-requests-log-permit>
    smtp-fallback-too-many-requests-log-permit
  </smtp-fallback-too-many-requests-log-permit>
  <smtp-fallback-too-many-requests-block>
    smtp-fallback-too-many-requests-block
  </smtp-fallback-too-many-requests-block>
  <smtp-fallback-too-many-requests-permit>
    smtp-fallback-too-many-requests-permit
  </smtp-fallback-too-many-requests-permit>
  <smtp-fallback-others-log-permit>
    smtp-fallback-others-log-permit
  </smtp-fallback-others-log-permit>
  <smtp-fallback-others-block>
    smtp-fallback-others-block
  </smtp-fallback-others-block>
  <smtp-fallback-others-permit>
    smtp-fallback-others-permit
  </smtp-fallback-others-permit>
</smtp-fallback-request-no-permit>
</anti-virus-statistics-details-smtp>
</anti-virus-statistics-details>
</anti-virus>

```

## Description

### <smtp-scan-request>

#### Usage

```

<anti-virus>
  <anti-virus-statistics-details>
    <anti-virus-statistics-details-smtp>
      <smtp-scan-request>
        <smtp-scan-request-total>
          smtp-scan-request-total
        </smtp-scan-request-total>
        <smtp-scan-request-clean>
          smtp-scan-request-clean
        </smtp-scan-request-clean>
      </smtp-scan-request>
    </anti-virus-statistics-details-smtp>
  </anti-virus-statistics-details>
</anti-virus>

```

```
<smtp-scan-request-threat>
  smtp-scan-request-threat
</smtp-scan-request-threat>
</smtp-scan-request>
</anti-virus-statistics-details-smtp>
</anti-virus-statistics-details>
</anti-virus>
```

## Description

### <sophos-anti-virus-status>

#### Usage

```
<anti-virus>
  <sophos-anti-virus-status>
    <anti-virus-key-expire-date>
      anti-virus-key-expire-date
    </anti-virus-key-expire-date>
    <anti-virus-update-url>
      anti-virus-update-url
    </anti-virus-update-url>
    <anti-virus-update-interval>
      anti-virus-update-interval
    </anti-virus-update-interval>
    <anti-virus-update-status>
      anti-virus-update-status
    </anti-virus-update-status>
    <anti-virus-update-result>
      anti-virus-update-result
    </anti-virus-update-result>
    <anti-virus-signature-version>
      anti-virus-signature-version
    </anti-virus-signature-version>
    <anti-virus-compiler-version>
      anti-virus-compiler-version
    </anti-virus-compiler-version>
    <anti-virus-scan-engine-type>
      anti-virus-scan-engine-type
    </anti-virus-scan-engine-type>
    <anti-virus-scan-engine-information>
      anti-virus-scan-engine-information
    </anti-virus-scan-engine-information>
    <anti-virus-status-detail>
      anti-virus-status-detail
    </anti-virus-status-detail>
  </sophos-anti-virus-status>
</anti-virus>
```

**Description** Anti-virus status

## &lt;statistics-last-10-days&gt;

## Usage

```

<anti-spam>
  <anti-spam-statistics>
    <statistics-last-10-days>
      <day1-permitted-emails>
        day1-permitted-emails
      </day1-permitted-emails>
      <day1-spam-emails>
        day1-spam-emails
      </day1-spam-emails>
      <day2-permitted-emails>
        day2-permitted-emails
      </day2-permitted-emails>
      <day2-spam-emails>
        day2-spam-emails
      </day2-spam-emails>
      <day3-permitted-emails>
        day3-permitted-emails
      </day3-permitted-emails>
      <day3-spam-emails>
        day3-spam-emails
      </day3-spam-emails>
      <day4-permitted-emails>
        day4-permitted-emails
      </day4-permitted-emails>
      <day4-spam-emails>
        day4-spam-emails
      </day4-spam-emails>
      <day5-permitted-emails>
        day5-permitted-emails
      </day5-permitted-emails>
      <day5-spam-emails>
        day5-spam-emails
      </day5-spam-emails>
      <day6-permitted-emails>
        day6-permitted-emails
      </day6-permitted-emails>
      <day6-spam-emails>
        day6-spam-emails
      </day6-spam-emails>
      <day7-permitted-emails>
        day7-permitted-emails
      </day7-permitted-emails>
      <day7-spam-emails>
        day7-spam-emails
      </day7-spam-emails>
      <day8-permitted-emails>
        day8-permitted-emails
      </day8-permitted-emails>
      <day8-spam-emails>
        day8-spam-emails
      </day8-spam-emails>
      <day9-permitted-emails>

```

```
    day9-permitted-emails
  </day9-permitted-emails>
  <day9-spam-emails>
    day9-spam-emails
  </day9-spam-emails>
  <day10-permitted-emails>
    day10-permitted-emails
  </day10-permitted-emails>
  <day10-spam-emails>
    day10-spam-emails
  </day10-spam-emails>
</statistics-last-10-days>
</anti-spam-statistics>
</anti-spam>
```

**Description****<utm-session-clear>****Usage**

```
<utm-session-clear>
  <utm-session-clear-result>
    utm-session-clear-result
  </utm-session-clear-result>
</utm-session-clear>
```

**Description** UTM clear session

**<utmd-status>****Usage**

```
<utmd-status>
  <running>
    running
  </running>
</utmd-status>
```

**Description** Status of utmd service

**<utmd-web-filtering>****Usage**

```
<utmd-web-filtering>
  <utmd-web-filtering-statistics>....</utmd-web-filtering-statistics>
  <utmd-web-filtering-status>....</utmd-web-filtering-status>
</utmd-web-filtering>
```

**Description** Statistics of web-filtering features

## <utmd-web-filtering-statistics>

### Usage

```

<utmd-web-filtering>
  <utmd-web-filtering-statistics>
    <total-requests>
      total-requests
    </total-requests>
    <white-list-hit>
      white-list-hit
    </white-list-hit>
    <black-list-hit>
      black-list-hit
    </black-list-hit>
    <queries-to-server>
      queries-to-server
    </queries-to-server>
    <server-reply-permit>
      server-reply-permit
    </server-reply-permit>
    <server-reply-block>
      server-reply-block
    </server-reply-block>
    <custom-category-permit>
      custom-category-permit
    </custom-category-permit>
    <custom-category-block>
      custom-category-block
    </custom-category-block>
    <cache-hit-permit>
      cache-hit-permit
    </cache-hit-permit>
    <cache-hit-block>
      cache-hit-block
    </cache-hit-block>
    <web-filtering-session-total>
      web-filtering-session-total
    </web-filtering-session-total>
    <web-filtering-session-inuse>
      web-filtering-session-inuse
    </web-filtering-session-inuse>
    <web-filtering-fallback>....</web-filtering-fallback>
  </utmd-web-filtering-statistics>
</utmd-web-filtering>

```

**Description** UTM web-filtering statistics

## <utmd-web-filtering-status>

### Usage

```

<utmd-web-filtering>
  <utmd-web-filtering-status>
    <web-filtering-server-status>

```

```
web-filtering-server-status
</web-filtering-server-status>
</utmd-web-filtering-status>
</utmd-web-filtering>
```

**Description** UTM web-filtering status

### <web-filter-clear>

#### Usage

```
<web-filter-clear>
  <web-filter-clear-result>
    web-filter-clear-result
  </web-filter-clear-result>
</web-filter-clear>
```

**Description** UTM web-filter clear result

### <web-filtering-fallback>

#### Usage

```
<utmd-web-filtering>
  <utmd-web-filtering-statistics>
    <web-filtering-fallback>
      <fallback-permit-default>
        fallback-permit-default
      </fallback-permit-default>
      <fallback-permit-timeout>
        fallback-permit-timeout
      </fallback-permit-timeout>
      <fallback-permit-connectivity>
        fallback-permit-connectivity
      </fallback-permit-connectivity>
      <fallback-permit-too-many-requests>
        fallback-permit-too-many-requests
      </fallback-permit-too-many-requests>
      <fallback-block-default>
        fallback-block-default
      </fallback-block-default>
      <fallback-block-timeout>
        fallback-block-timeout
      </fallback-block-timeout>
      <fallback-block-connectivity>
        fallback-block-connectivity
      </fallback-block-connectivity>
      <fallback-block-too-many-requests>
        fallback-block-too-many-requests
      </fallback-block-too-many-requests>
    </web-filtering-fallback>
  </utmd-web-filtering-statistics>
</utmd-web-filtering>
```

**Description****<web-filtering-test>****Usage**

```

<web-filtering-test>
  <web-filtering-test-result>
    web-filtering-test-result
  </web-filtering-test-result>
</web-filtering-test>

```

**Description** UTM web-filtering test results

## Summary of Wireless LAN Access Points Response Tags

---

**<access-point-client-associations>****Usage**

```

<access-point-client-associations>
  <access-point-name>
    access-point-name
  </access-point-name>
  <radio-id>
    radio-id
  </radio-id>
  <vap-id>
    vap-id
  </vap-id>
  <status-information>....</status-information>
</access-point-client-associations>

```

**Description** Information about client associations for a specified access point

**<access-point-client-associations>****Usage**

```

<wlan-access-point-client-associations-list>
  <access-point-client-associations>
    <access-point-name>
      access-point-name
    </access-point-name>
    <radio-id>
      radio-id
    </radio-id>
    <vap-id>
      vap-id
    </vap-id>
    <status-information>....</status-information>
  </access-point-client-associations>
</wlan-access-point-client-associations-list>

```

**Description** Information about client associations for a specified access point

### <access-point-client-associations>

**Usage**

```
<wlan-access-point-client-associations-detail-list>
  <access-point-client-associations>
    <access-point-name>
      access-point-name
    </access-point-name>
    <radio-id>
      radio-id
    </radio-id>
    <vap-id>
      vap-id
    </vap-id>
    <status-information>....</status-information>
  </access-point-client-associations>
</wlan-access-point-client-associations-detail-list>
```

**Description** Information about client associations for a specified access point

### <access-point-client-display>

**Usage**

```
<access-point-client-display>
  <access-point-name>
    access-point-name
  </access-point-name>
</access-point-client-display>
```

**Description**

### <access-point-client-display>

**Usage**

```
<wlan-access-point-client-associations-list>
  <access-point-client-display>
    <access-point-name>
      access-point-name
    </access-point-name>
  </access-point-client-display>
</wlan-access-point-client-associations-list>
```

**Description**

### <access-point-client-display-detail>

**Usage**

```
<access-point-client-display-detail>
  <ap-empty>
    ap-empty
  </ap-empty>
</access-point-client-display-detail>
```



```
</ap-empty>
</access-point-client-display-detail>
```

**Description****<access-point-client-display-detail>****Usage**

```
<wlan-access-point-client-associations-detail-list>
  <access-point-client-display-detail>
    <ap-empty>
      ap-empty
    </ap-empty>
  </access-point-client-display-detail>
</wlan-access-point-client-associations-detail-list>
```

**Description****<access-point-neighbors>****Usage**

```
<access-point-neighbors>
  <mac-address>
    mac-address
  </mac-address>
  <ssid>
    ssid
  </ssid>
  <security>
    security
  </security>
  <wpa>
    wpa
  </wpa>
  <band>
    band
  </band>
  <channel>
    channel
  </channel>
  <last-beacon>
    last-beacon
  </last-beacon>
  <signal>
    signal
  </signal>
</access-point-neighbors>
```

**Description** Information about neighboring access points

## <access-point-neighbors>

### Usage

```
<wlan-access-point-neighbors-list>
  <access-point-neighbors>
    <mac-address>
      mac-address
    </mac-address>
    <ssid>
      ssid
    </ssid>
    <security>
      security
    </security>
    <wpa>
      wpa
    </wpa>
    <band>
      band
    </band>
    <channel>
      channel
    </channel>
    <last-beacon>
      last-beacon
    </last-beacon>
    <signal>
      signal
    </signal>
  </access-point-neighbors>
</wlan-access-point-neighbors-list>
```

**Description** Information about neighboring access points

## <access-points>

### Usage

```
<access-points>
  <access-point-name>
    access-point-name
  </access-point-name>
  <access-point-type>
    access-point-type
  </access-point-type>
  <access-interface>
    access-interface
  </access-interface>
  <system-time>
    system-time
  </system-time>
  <access-point-status>
    access-point-status
  </access-point-status>
```

```

<radio-mode-channel>
  radio-mode-channel
</radio-mode-channel>
<location>
  location
</location>
<serial-number>
  serial-number
</serial-number>
<firmware-version>
  firmware-version
</firmware-version>
<alt-firmware-version>
  alt-firmware-version
</alt-firmware-version>
<regulatory-domain>
  regulatory-domain
</regulatory-domain>
<country>
  country
</country>
<access-ipv4-address>
  access-ipv4-address
</access-ipv4-address>
<pcap-status>
  pcap-status
</pcap-status>
<capture-interface>
  capture-interface
</capture-interface>
<capture-file>
  capture-file
</capture-file>
<capture-duration>
  capture-duration
</capture-duration>
<capture-file-size>
  capture-file-size
</capture-file-size>
<radio-information>....</radio-information>
<radio-status-information>....</radio-status-information>
<ethernet-port-information>....</ethernet-port-information>
</access-points>

```

**Description** Information about access point

## <access-points>

### Usage

```

<wlan-access-points-list>
  <access-points>
    <access-point-name>
      access-point-name
    </access-point-name>

```

```
<access-point-type>
  access-point-type
</access-point-type>
<access-interface>
  access-interface
</access-interface>
<system-time>
  system-time
</system-time>
<access-point-status>
  access-point-status
</access-point-status>
<radio-mode-channel>
  radio-mode-channel
</radio-mode-channel>
<location>
  location
</location>
<serial-number>
  serial-number
</serial-number>
<firmware-version>
  firmware-version
</firmware-version>
<alt-firmware-version>
  alt-firmware-version
</alt-firmware-version>
<regulatory-domain>
  regulatory-domain
</regulatory-domain>
<country>
  country
</country>
<access-ipv4-address>
  access-ipv4-address
</access-ipv4-address>
<pcap-status>
  pcap-status
</pcap-status>
<capture-interface>
  capture-interface
</capture-interface>
<capture-file>
  capture-file
</capture-file>
<capture-duration>
  capture-duration
</capture-duration>
<capture-file-size>
  capture-file-size
</capture-file-size>
<radio-information>....</radio-information>
<radio-status-information>....</radio-status-information>
<ethernet-port-information>....</ethernet-port-information>
</access-points>
```

</wlan-access-points-list>

**Description** Information about access point

### <capture-local>

#### Usage

```
<capture-local>
  <capture-interface>
    capture-interface
  </capture-interface>
  <capture-file>
    capture-file
  </capture-file>
  <capture-duration>
    capture-duration
  </capture-duration>
  <capture-file-size>
    capture-file-size
  </capture-file-size>
</capture-local>
```

**Description** Local packet capture operation

### <capture-local>

#### Usage

```
<wlan-access-point-packet-capture-start>
  <capture-local>
    <capture-interface>
      capture-interface
    </capture-interface>
    <capture-file>
      capture-file
    </capture-file>
    <capture-duration>
      capture-duration
    </capture-duration>
    <capture-file-size>
      capture-file-size
    </capture-file-size>
  </capture-local>
</wlan-access-point-packet-capture-start>
```

**Description** Local packet capture operation

### <capture-local>

#### Usage

```
<wlan-access-point-packet-capture-stop>
  <capture-local>
```

```
<capture-interface>
  capture-interface
</capture-interface>
<capture-file>
  capture-file
</capture-file>
<capture-duration>
  capture-duration
</capture-duration>
<capture-file-size>
  capture-file-size
</capture-file-size>
</capture-local>
</wlan-access-point-packet-capture-stop>
```

**Description** Local packet capture operation

## <cluster>

### Usage

```
<cluster>
  <cluster-id>
    cluster-id
  </cluster-id>
  <access-point-name>
    access-point-name
  </access-point-name>
</cluster>
```

**Description** Cluster information

## <cluster>

### Usage

```
<wlan-clusters-list>
  <cluster>
    <cluster-id>
      cluster-id
    </cluster-id>
    <access-point-name>
      access-point-name
    </access-point-name>
  </cluster>
</wlan-clusters-list>
```

**Description** Cluster information

## <diagnostics-info>

### Usage

```
<diagnostics-info>
```

```

<access-point-name>
  access-point-name
</access-point-name>
<pcap-status>
  pcap-status
</pcap-status>
<capture-interface>
  capture-interface
</capture-interface>
<syslog-status>
  syslog-status
</syslog-status>
</diagnostics-info>

```

**Description** Diagnostics information about an access point

### <diagnostics-info>

#### Usage

```

<wlan-diagnostics-list>
  <diagnostics-info>
    <access-point-name>
      access-point-name
    </access-point-name>
    <pcap-status>
      pcap-status
    </pcap-status>
    <capture-interface>
      capture-interface
    </capture-interface>
    <syslog-status>
      syslog-status
    </syslog-status>
  </diagnostics-info>
</wlan-diagnostics-list>

```

**Description** Diagnostics information about an access point

### <dotlx>

#### Usage

```

<dotlx>
  <global-radius-setting>
    global-radius-setting
  </global-radius-setting>
  <radius-ip-address>
    radius-ip-address
  </radius-ip-address>
  <radius-ip-address-1>
    radius-ip-address-1
  </radius-ip-address-1>
  <radius-ip-address-2>

```

```
radius-ip-address-2
</radius-ip-address-2>
<radius-ip-address-3>
radius-ip-address-3
</radius-ip-address-3>
<radius-accounting>
radius-accounting
</radius-accounting>
<active-server>
active-server
</active-server>
<broadcast-key-refresh-rate>
broadcast-key-refresh-rate
</broadcast-key-refresh-rate>
<session-key-refresh-rate>
session-key-refresh-rate
</session-key-refresh-rate>
</dotlx>
```

**Description** Information about virtual access point dotlx-detail

## <dotlx>

### Usage

```
<virtual-access-points>
<dotlx>
<global-radius-setting>
global-radius-setting
</global-radius-setting>
<radius-ip-address>
radius-ip-address
</radius-ip-address>
<radius-ip-address-1>
radius-ip-address-1
</radius-ip-address-1>
<radius-ip-address-2>
radius-ip-address-2
</radius-ip-address-2>
<radius-ip-address-3>
radius-ip-address-3
</radius-ip-address-3>
<radius-accounting>
radius-accounting
</radius-accounting>
<active-server>
active-server
</active-server>
<broadcast-key-refresh-rate>
broadcast-key-refresh-rate
</broadcast-key-refresh-rate>
<session-key-refresh-rate>
session-key-refresh-rate
</session-key-refresh-rate>
</dotlx>
```



```
</virtual-access-points>
```

**Description** Information about virtual access point dotlx-detail

**<dotlx>**

**Usage**

```
<radio-list>
<virtual-access-points>
  <dotlx>
    <global-radius-setting>
      global-radius-setting
    </global-radius-setting>
    <radius-ip-address>
      radius-ip-address
    </radius-ip-address>
    <radius-ip-address-1>
      radius-ip-address-1
    </radius-ip-address-1>
    <radius-ip-address-2>
      radius-ip-address-2
    </radius-ip-address-2>
    <radius-ip-address-3>
      radius-ip-address-3
    </radius-ip-address-3>
    <radius-accounting>
      radius-accounting
    </radius-accounting>
    <active-server>
      active-server
    </active-server>
    <broadcast-key-refresh-rate>
      broadcast-key-refresh-rate
    </broadcast-key-refresh-rate>
    <session-key-refresh-rate>
      session-key-refresh-rate
    </session-key-refresh-rate>
  </dotlx>
</virtual-access-points>
</radio-list>
```

**Description** Information about virtual access point dotlx-detail

**<dotlx>**

**Usage**

```
<wlan-virtual-access-points-list>
  <radio-list>
    <virtual-access-points>
      <dotlx>
        <global-radius-setting>
          global-radius-setting
```

```
</global-radius-setting>
<radius-ip-address>
  radius-ip-address
</radius-ip-address>
<radius-ip-address-1>
  radius-ip-address-1
</radius-ip-address-1>
<radius-ip-address-2>
  radius-ip-address-2
</radius-ip-address-2>
<radius-ip-address-3>
  radius-ip-address-3
</radius-ip-address-3>
<radius-accounting>
  radius-accounting
</radius-accounting>
<active-server>
  active-server
</active-server>
<broadcast-key-refresh-rate>
  broadcast-key-refresh-rate
</broadcast-key-refresh-rate>
<session-key-refresh-rate>
  session-key-refresh-rate
</session-key-refresh-rate>
</dotlx>
</virtual-access-points>
</radio-list>
</wlan-virtual-access-points-list>
```

**Description** Information about virtual access point dotlx-detail

### <ethernet-port-information>

#### Usage

```
<ethernet-port-information>
<mac-address>
  mac-address
</mac-address>
<access-ipv4-address>
  access-ipv4-address
</access-ipv4-address>
</ethernet-port-information>
```

**Description** Information about ethernet port

### <ethernet-port-information>

#### Usage

```
<access-points>
  <ethernet-port-information>
    <mac-address>
```

```
        mac-address
      </mac-address>
    <access-ipv4-address>
      access-ipv4-address
    </access-ipv4-address>
  </ethernet-port-information>
</access-points>
```

**Description** Information about ethernet port

### <ethernet-port-information>

#### Usage

```
<wlan-access-points-list>
  <access-points>
    <ethernet-port-information>
      <mac-address>
        mac-address
      </mac-address>
      <access-ipv4-address>
        access-ipv4-address
      </access-ipv4-address>
    </ethernet-port-information>
  </access-points>
</wlan-access-points-list>
```

**Description** Information about ethernet port

### <radio-information>

#### Usage

```
<radio-information>
  <radio-id>
    radio-id
  </radio-id>
  <radio-mode>
    radio-mode
  </radio-mode>
  <channel>
    channel
  </channel>
</radio-information>
```

**Description** Information about radio

### <radio-information>

#### Usage

```
<access-points>
  <radio-information>
    <radio-id>
```

```
    radio-id
  </radio-id>
  <radio-mode>
    radio-mode
  </radio-mode>
  <channel>
    channel
  </channel>
</radio-information>
</access-points>
```

**Description** Information about radio

### <radio-information>

#### Usage

```
<wlan-access-points-list>
  <access-points>
    <radio-information>
      <radio-id>
        radio-id
      </radio-id>
      <radio-mode>
        radio-mode
      </radio-mode>
      <channel>
        channel
      </channel>
    </radio-information>
  </access-points>
</wlan-access-points-list>
```

**Description** Information about radio

### <radio-list>

#### Usage

```
<radio-list>
  <radio-id>
    radio-id
  </radio-id>
  <virtual-access-points>....</virtual-access-points>
  <virtual-access-points_detail>....</virtual-access-points_detail>
</radio-list>
```

**Description** Information about radio options

### <radio-list>

#### Usage

```
<wlan-virtual-access-points-list>
```

```

<radio-list>
  <radio-id>
    radio-id
  </radio-id>
  <virtual-access-points>....</virtual-access-points>
  <virtual-access-points_detail>....</virtual-access-points_detail>
</radio-list>
</wlan-virtual-access-points-list>

```

**Description** Information about radio options

### <radio-status-information>

#### Usage

```

<radio-status-information>
  <radio-id>
    radio-id
  </radio-id>
  <status>
    status
  </status>
  <mac-address>
    mac-address
  </mac-address>
  <radio-mode>
    radio-mode
  </radio-mode>
  <channel>
    channel
  </channel>
</radio-status-information>

```

**Description** Status information about radio

### <radio-status-information>

#### Usage

```

<access-points>
  <radio-status-information>
    <radio-id>
      radio-id
    </radio-id>
    <status>
      status
    </status>
    <mac-address>
      mac-address
    </mac-address>
    <radio-mode>
      radio-mode
    </radio-mode>
    <channel>

```

```
channel
</channel>
</radio-status-information>
</access-points>
```

**Description** Status information about radio

## <radio-status-information>

### Usage

```
<wlan-access-points-list>
<access-points>
  <radio-status-information>
    <radio-id>
      radio-id
    </radio-id>
    <status>
      status
    </status>
    <mac-address>
      mac-address
    </mac-address>
    <radio-mode>
      radio-mode
    </radio-mode>
    <channel>
      channel
    </channel>
  </radio-status-information>
</access-points>
</wlan-access-points-list>
```

**Description** Status information about radio

## <static-wep>

### Usage

```
<static-wep>
  <transfer-key-index>
    transfer-key-index
  </transfer-key-index>
  <key-length>
    key-length
  </key-length>
  <key-type>
    key-type
  </key-type>
  <open-system>
    open-system
  </open-system>
  <shared-key>
    shared-key
```

```

    </shared-key>
  </static-wep>

```

**Description** Information about virtual access point static-wep-detail

### <static-wep>

#### Usage

```

<virtual-access-points>
  <static-wep>
    <transfer-key-index>
      transfer-key-index
    </transfer-key-index>
    <key-length>
      key-length
    </key-length>
    <key-type>
      key-type
    </key-type>
    <open-system>
      open-system
    </open-system>
    <shared-key>
      shared-key
    </shared-key>
  </static-wep>
</virtual-access-points>

```

**Description** Information about virtual access point static-wep-detail

### <static-wep>

#### Usage

```

<radio-list>
  <virtual-access-points>
    <static-wep>
      <transfer-key-index>
        transfer-key-index
      </transfer-key-index>
      <key-length>
        key-length
      </key-length>
      <key-type>
        key-type
      </key-type>
      <open-system>
        open-system
      </open-system>
      <shared-key>
        shared-key
      </shared-key>
    </static-wep>
  </virtual-access-points>
</radio-list>

```

```
</virtual-access-points>
</radio-list>
```

**Description** Information about virtual access point static-wep-detail

### <static-wep>

#### Usage

```
<wlan-virtual-access-points-list>
<radio-list>
  <virtual-access-points>
    <static-wep>
      <transfer-key-index>
        transfer-key-index
      </transfer-key-index>
      <key-length>
        key-length
      </key-length>
      <key-type>
        key-type
      </key-type>
      <open-system>
        open-system
      </open-system>
      <shared-key>
        shared-key
      </shared-key>
    </static-wep>
  </virtual-access-points>
</radio-list>
</wlan-virtual-access-points-list>
```

**Description** Information about virtual access point static-wep-detail

### <status-information>

#### Usage

```
<status-information>
  <client-mac-address>
    client-mac-address
  </client-mac-address>
  <authentication>
    authentication
  </authentication>
  <channel>
    channel
  </channel>
  <rate>
    rate
  </rate>
  <signal>
    signal
```



```

</signal>
<rx-packets>
  rx-packets
</rx-packets>
<tx-packets>
  tx-packets
</tx-packets>
<rx-bytes>
  rx-bytes
</rx-bytes>
<tx-bytes>
  tx-bytes
</tx-bytes>
</status-information>

```

**Description** Status information

### <status-information>

#### Usage

```

<access-point-client-associations>
  <status-information>
    <client-mac-address>
      client-mac-address
    </client-mac-address>
    <authentication>
      authentication
    </authentication>
    <channel>
      channel
    </channel>
    <rate>
      rate
    </rate>
    <signal>
      signal
    </signal>
    <rx-packets>
      rx-packets
    </rx-packets>
    <tx-packets>
      tx-packets
    </tx-packets>
    <rx-bytes>
      rx-bytes
    </rx-bytes>
    <tx-bytes>
      tx-bytes
    </tx-bytes>
  </status-information>
</access-point-client-associations>

```

**Description** Status information

## <status-information>

### Usage

```
<wlan-access-point-client-associations-list>
  <access-point-client-associations>
    <status-information>
      <client-mac-address>
        client-mac-address
      </client-mac-address>
      <authentication>
        authentication
      </authentication>
      <channel>
        channel
      </channel>
      <rate>
        rate
      </rate>
      <signal>
        signal
      </signal>
      <rx-packets>
        rx-packets
      </rx-packets>
      <tx-packets>
        tx-packets
      </tx-packets>
      <rx-bytes>
        rx-bytes
      </rx-bytes>
      <tx-bytes>
        tx-bytes
      </tx-bytes>
    </status-information>
  </access-point-client-associations>
</wlan-access-point-client-associations-list>
```

**Description**    Status information

## <status-information>

### Usage

```
<wlan-access-point-client-associations-detail-list>
  <access-point-client-associations>
    <status-information>
      <client-mac-address>
        client-mac-address
      </client-mac-address>
      <authentication>
        authentication
      </authentication>
      <channel>
        channel
```

```

</channel>
<rate>
  rate
</rate>
<signal>
  signal
</signal>
<rx-packets>
  rx-packets
</rx-packets>
<tx-packets>
  tx-packets
</tx-packets>
<rx-bytes>
  rx-bytes
</rx-bytes>
<tx-bytes>
  tx-bytes
</tx-bytes>
</status-information>
</access-point-client-associations>
</wlan-access-point-client-associations-detail-list>

```

**Description** Status information

### <traffic-statistics>

#### Usage

```

<traffic-statistics>
<input-bytes>
  input-bytes
</input-bytes>
<output-bytes>
  output-bytes
</output-bytes>
<input-packets>
  input-packets
</input-packets>
<output-packets>
  output-packets
</output-packets>
</traffic-statistics>

```

**Description** Information about virtual access point traffic statistics

### <traffic-statistics>

#### Usage

```

<virtual-access-points>
<traffic-statistics>
  <input-bytes>
    input-bytes

```

```
</input-bytes>
<output-bytes>
  output-bytes
</output-bytes>
<input-packets>
  input-packets
</input-packets>
<output-packets>
  output-packets
</output-packets>
</traffic-statistics>
</virtual-access-points>
```

**Description** Information about virtual access point traffic statistics

### <traffic-statistics>

#### Usage

```
<radio-list>
<virtual-access-points>
  <traffic-statistics>
    <input-bytes>
      input-bytes
    </input-bytes>
    <output-bytes>
      output-bytes
    </output-bytes>
    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </traffic-statistics>
</virtual-access-points>
</radio-list>
```

**Description** Information about virtual access point traffic statistics

### <traffic-statistics>

#### Usage

```
<wlan-virtual-access-points-list>
<radio-list>
  <virtual-access-points>
    <traffic-statistics>
      <input-bytes>
        input-bytes
      </input-bytes>
      <output-bytes>
        output-bytes
      </output-bytes>
```

```

    <input-packets>
      input-packets
    </input-packets>
    <output-packets>
      output-packets
    </output-packets>
  </traffic-statistics>
</virtual-access-points>
</radio-list>
</wlan-virtual-access-points-list>

```

**Description** Information about virtual access point traffic statistics

### <virtual-access-points>

#### Usage

```

<virtual-access-points>
  <access-point-name>
    access-point-name
  </access-point-name>
  <vap-id>
    vap-id
  </vap-id>
  <ssid>
    ssid
  </ssid>
  <mac-address>
    mac-address
  </mac-address>
  <vlan-id>
    vlan-id
  </vlan-id>
  <vap-security>
    vap-security
  </vap-security>
  <traffic-statistics>....</traffic-statistics>
  <wpa-enterprise>....</wpa-enterprise>
  <static-wep>....</static-wep>
  <wpa-personal>....</wpa-personal>
  <dot1x>....</dot1x>
</virtual-access-points>

```

**Description** Information about virtual access points

### <virtual-access-points>

#### Usage

```

<radio-list>
  <virtual-access-points>
    <access-point-name>
      access-point-name
    </access-point-name>
  </virtual-access-points>
</radio-list>

```

```
<vap-id>
  vap-id
</vap-id>
<ssid>
  ssid
</ssid>
<mac-address>
  mac-address
</mac-address>
<vlan-id>
  vlan-id
</vlan-id>
<vap-security>
  vap-security
</vap-security>
<traffic-statistics>....</traffic-statistics>
<wpa-enterprise>....</wpa-enterprise>
<static-wep>....</static-wep>
<wpa-personal>....</wpa-personal>
<dot1x>....</dot1x>
</virtual-access-points>
</radio-list>
```

**Description** Information about virtual access points

## <virtual-access-points>

### Usage

```
<wlan-virtual-access-points-list>
<radio-list>
  <virtual-access-points>
    <access-point-name>
      access-point-name
    </access-point-name>
    <vap-id>
      vap-id
    </vap-id>
    <ssid>
      ssid
    </ssid>
    <mac-address>
      mac-address
    </mac-address>
    <vlan-id>
      vlan-id
    </vlan-id>
    <vap-security>
      vap-security
    </vap-security>
    <traffic-statistics>....</traffic-statistics>
    <wpa-enterprise>....</wpa-enterprise>
    <static-wep>....</static-wep>
    <wpa-personal>....</wpa-personal>
    <dot1x>....</dot1x>
```

```
</virtual-access-points>
</radio-list>
</wlan-virtual-access-points-list>
```

**Description** Information about virtual access points

#### <virtual-access-points\_detail>

**Usage**

```
<virtual-access-points_detail>
  <access-point-name>
    access-point-name
  </access-point-name>
  <vap-id>
    vap-id
  </vap-id>
  <ssid>
    ssid
  </ssid>
  <mac-address>
    mac-address
  </mac-address>
  <vlan-id>
    vlan-id
  </vlan-id>
  <vap-security>
    vap-security
  </vap-security>
</virtual-access-points_detail>
```

**Description** Information about virtual access points

#### <virtual-access-points\_detail>

**Usage**

```
<radio-list>
  <virtual-access-points_detail>
    <access-point-name>
      access-point-name
    </access-point-name>
    <vap-id>
      vap-id
    </vap-id>
    <ssid>
      ssid
    </ssid>
    <mac-address>
      mac-address
    </mac-address>
    <vlan-id>
      vlan-id
    </vlan-id>
```

```
<vap-security>
  vap-security
</vap-security>
</virtual-access-points_detail>
</radio-list>
```

**Description** Information about virtual access points

### <virtual-access-points\_detail>

#### Usage

```
<wlan-virtual-access-points-list>
<radio-list>
  <virtual-access-points_detail>
    <access-point-name>
      access-point-name
    </access-point-name>
    <vap-id>
      vap-id
    </vap-id>
    <ssid>
      ssid
    </ssid>
    <mac-address>
      mac-address
    </mac-address>
    <vlan-id>
      vlan-id
    </vlan-id>
    <vap-security>
      vap-security
    </vap-security>
  </virtual-access-points_detail>
</radio-list>
</wlan-virtual-access-points-list>
```

**Description** Information about virtual access points

### <wlan-access-point-client-associations-detail-list>

#### Usage

```
<wlan-access-point-client-associations-detail-list>
  <access-point-client-display-detail>....</access-point-client-display-detail>
  <access-point-client-associations>....</access-point-client-associations>
</wlan-access-point-client-associations-detail-list>
```

**Description** Information about client associations



### <wlan-access-point-client-associations-list>

#### Usage

```
<wlan-access-point-client-associations-list>  
  <access-point-client-display>....</access-point-client-display>  
  <access-point-client-associations>....</access-point-client-associations>  
</wlan-access-point-client-associations-list>
```

#### Description

### <wlan-access-point-neighbors-list>

#### Usage

```
<wlan-access-point-neighbors-list>  
  <access-point-name>  
    access-point-name  
  </access-point-name>  
  <access-point-neighbors>....</access-point-neighbors>  
</wlan-access-point-neighbors-list>
```

#### Description

### <wlan-access-point-packet-capture-start>

#### Usage

```
<wlan-access-point-packet-capture-start>  
  <capture-local>....</capture-local>  
</wlan-access-point-packet-capture-start>
```

#### Description

### <wlan-access-point-packet-capture-stop>

#### Usage

```
<wlan-access-point-packet-capture-stop>  
  <capture-local>....</capture-local>  
</wlan-access-point-packet-capture-stop>
```

#### Description

### <wlan-access-points-list>

#### Usage

```
<wlan-access-points-list>  
  <access-points>....</access-points>  
</wlan-access-points-list>
```

#### Description

## <wlan-clusters-list>

### Usage

```
<wlan-clusters-list>
  <cluster>....</cluster>
</wlan-clusters-list>
```

### Description

## <wlan-diagnostics-list>

### Usage

```
<wlan-diagnostics-list>
  <diagnostics-info>....</diagnostics-info>
</wlan-diagnostics-list>
```

### Description

## <wlan-virtual-access-points-list>

### Usage

```
<wlan-virtual-access-points-list>
  <access-point-name>
    access-point-name
  </access-point-name>
  <radio-list>....</radio-list>
</wlan-virtual-access-points-list>
```

### Description

## <wpa-enterprise>

### Usage

```
<wpa-enterprise>
  <wpa>
    wpa
  </wpa>
  <wpa2>
    wpa2
  </wpa2>
  <pre-auth>
    pre-auth
  </pre-auth>
  <tkpi>
    tkpi
  </tkpi>
  <ccmp>
    ccmp
  </ccmp>
  <global-radius-setting>
    global-radius-setting
  </global-radius-setting>
```

```

<radius-ip-address>
  radius-ip-address
</radius-ip-address>
<radius-ip-address-1>
  radius-ip-address-1
</radius-ip-address-1>
<radius-ip-address-2>
  radius-ip-address-2
</radius-ip-address-2>
<radius-ip-address-3>
  radius-ip-address-3
</radius-ip-address-3>
<radius-accounting>
  radius-accounting
</radius-accounting>
<active-server>
  active-server
</active-server>
<broadcast-key-refresh-rate>
  broadcast-key-refresh-rate
</broadcast-key-refresh-rate>
<session-key-refresh-rate>
  session-key-refresh-rate
</session-key-refresh-rate>
</wpa-enterprise>

```

**Description** Information about virtual access point wpa-enterprise-detail

## <wpa-enterprise>

### Usage

```

<virtual-access-points>
  <wpa-enterprise>
    <wpa>
      wpa
    </wpa>
    <wpa2>
      wpa2
    </wpa2>
    <pre-auth>
      pre-auth
    </pre-auth>
    <tkpi>
      tkpi
    </tkpi>
    <ccmp>
      ccmp
    </ccmp>
    <global-radius-setting>
      global-radius-setting
    </global-radius-setting>
    <radius-ip-address>
      radius-ip-address
    </radius-ip-address>
  </wpa-enterprise>

```

```
<radius-ip-address-1>
  radius-ip-address-1
</radius-ip-address-1>
<radius-ip-address-2>
  radius-ip-address-2
</radius-ip-address-2>
<radius-ip-address-3>
  radius-ip-address-3
</radius-ip-address-3>
<radius-accounting>
  radius-accounting
</radius-accounting>
<active-server>
  active-server
</active-server>
<broadcast-key-refresh-rate>
  broadcast-key-refresh-rate
</broadcast-key-refresh-rate>
<session-key-refresh-rate>
  session-key-refresh-rate
</session-key-refresh-rate>
</wpa-enterprise>
</virtual-access-points>
```

**Description** Information about virtual access point wpa-enterprise-detail

## <wpa-enterprise>

### Usage

```
<radio-list>
<virtual-access-points>
  <wpa-enterprise>
    <wpa>
      wpa
    </wpa>
    <wpa2>
      wpa2
    </wpa2>
    <pre-auth>
      pre-auth
    </pre-auth>
    <tkpi>
      tkpi
    </tkpi>
    <ccmp>
      ccmp
    </ccmp>
    <global-radius-setting>
      global-radius-setting
    </global-radius-setting>
    <radius-ip-address>
      radius-ip-address
    </radius-ip-address>
  <radius-ip-address-1>
```

```

    radius-ip-address-1
  </radius-ip-address-1>
  <radius-ip-address-2>
    radius-ip-address-2
  </radius-ip-address-2>
  <radius-ip-address-3>
    radius-ip-address-3
  </radius-ip-address-3>
  <radius-accounting>
    radius-accounting
  </radius-accounting>
  <active-server>
    active-server
  </active-server>
  <broadcast-key-refresh-rate>
    broadcast-key-refresh-rate
  </broadcast-key-refresh-rate>
  <session-key-refresh-rate>
    session-key-refresh-rate
  </session-key-refresh-rate>
</wpa-enterprise>
</virtual-access-points>
</radio-list>

```

**Description** Information about virtual access point wpa-enterprise-detail

## <wpa-enterprise>

### Usage

```

<wlan-virtual-access-points-list>
  <radio-list>
    <virtual-access-points>
      <wpa-enterprise>
        <wpa>
          wpa
        </wpa>
        <wpa2>
          wpa2
        </wpa2>
        <pre-auth>
          pre-auth
        </pre-auth>
        <tkpi>
          tkpi
        </tkpi>
        <ccmp>
          ccmp
        </ccmp>
        <global-radius-setting>
          global-radius-setting
        </global-radius-setting>
        <radius-ip-address>
          radius-ip-address
        </radius-ip-address>
      </wpa-enterprise>
    </virtual-access-points>
  </radio-list>
</wlan-virtual-access-points-list>

```

```
<radius-ip-address-1>
  radius-ip-address-1
</radius-ip-address-1>
<radius-ip-address-2>
  radius-ip-address-2
</radius-ip-address-2>
<radius-ip-address-3>
  radius-ip-address-3
</radius-ip-address-3>
<radius-accounting>
  radius-accounting
</radius-accounting>
<active-server>
  active-server
</active-server>
<broadcast-key-refresh-rate>
  broadcast-key-refresh-rate
</broadcast-key-refresh-rate>
<session-key-refresh-rate>
  session-key-refresh-rate
</session-key-refresh-rate>
</wpa-enterprise>
</virtual-access-points>
</radio-list>
</wlan-virtual-access-points-list>
```

**Description** Information about virtual access point wpa-enterprise-detail

## <wpa-personal>

### Usage

```
<wpa-personal>
  <wpa>
    wpa
  </wpa>
  <wpa2>
    wpa2
  </wpa2>
  <tkpi>
    tkpi
  </tkpi>
  <ccmp>
    ccmp
  </ccmp>
  <broadcast-key-refresh-rate>
    broadcast-key-refresh-rate
  </broadcast-key-refresh-rate>
</wpa-personal>
```

**Description** Information about virtual access point wpa-personal-detail

**<wpa-personal>****Usage**

```

<virtual-access-points>
  <wpa-personal>
    <wpa>
      wpa
    </wpa>
    <wpa2>
      wpa2
    </wpa2>
    <tkpi>
      tkpi
    </tkpi>
    <ccmp>
      ccmp
    </ccmp>
    <broadcast-key-refresh-rate>
      broadcast-key-refresh-rate
    </broadcast-key-refresh-rate>
  </wpa-personal>
</virtual-access-points>

```

**Description** Information about virtual access point wpa-personal-detail

**<wpa-personal>****Usage**

```

<radio-list>
  <virtual-access-points>
    <wpa-personal>
      <wpa>
        wpa
      </wpa>
      <wpa2>
        wpa2
      </wpa2>
      <tkpi>
        tkpi
      </tkpi>
      <ccmp>
        ccmp
      </ccmp>
      <broadcast-key-refresh-rate>
        broadcast-key-refresh-rate
      </broadcast-key-refresh-rate>
    </wpa-personal>
  </virtual-access-points>
</radio-list>

```

**Description** Information about virtual access point wpa-personal-detail

## <wpa-personal>

### Usage

```
<wlan-virtual-access-points-list>
  <radio-list>
    <virtual-access-points>
      <wpa-personal>
        <wpa>
          wpa
        </wpa>
        <wpa2>
          wpa2
        </wpa2>
        <tkpi>
          tkpi
        </tkpi>
        <ccmp>
          ccmp
        </ccmp>
        <broadcast-key-refresh-rate>
          broadcast-key-refresh-rate
        </broadcast-key-refresh-rate>
      </wpa-personal>
    </virtual-access-points>
  </radio-list>
</wlan-virtual-access-points-list>
```

**Description** Information about virtual access point wpa-personal-detail

---

## Summary of GSM Response Tags

### <gsm-profile>

#### Usage

```
<gsm-profile>
  <profile-id>
    profile-id
  </profile-id>
  <profile-valid>
    profile-valid
  </profile-valid>
  <profile-username>
    profile-username
  </profile-username>
  <profile-password>
    profile-password
  </profile-password>
  <profile-access-point-name>
    profile-access-point-name
  </profile-access-point-name>
  <profile-authentication>
    profile-authentication
  </profile-authentication>
```



```
</gsm-profile>
```

#### Description

```
<gsm-profile>
```

#### Usage

```
<gsm-profiles>
  <gsm-profile>
    <profile-id>
      profile-id
    </profile-id>
    <profile-valid>
      profile-valid
    </profile-valid>
    <profile-username>
      profile-username
    </profile-username>
    <profile-password>
      profile-password
    </profile-password>
    <profile-access-point-name>
      profile-access-point-name
    </profile-access-point-name>
    <profile-authentication>
      profile-authentication
    </profile-authentication>
  </gsm-profile>
</gsm-profiles>
```

#### Description

```
<gsm-profile>
```

#### Usage

```
<wwand-modem-wireless-interface-profiles>
  <gsm-profiles>
    <gsm-profile>
      <profile-id>
        profile-id
      </profile-id>
      <profile-valid>
        profile-valid
      </profile-valid>
      <profile-username>
        profile-username
      </profile-username>
      <profile-password>
        profile-password
      </profile-password>
      <profile-access-point-name>
        profile-access-point-name
      </profile-access-point-name>
      <profile-authentication>
```

```
    profile-authentication
  </profile-authentication>
</gsm-profile>
</gsm-profiles>
</wwand-modem-wireless-interface-profiles>
```

#### Description

#### <gsm-profile>

##### Usage

```
<wwand-modem-wireless-interface>
  <wwand-modem-wireless-interface-profiles>
    <gsm-profiles>
      <gsm-profile>
        <profile-id>
          profile-id
        </profile-id>
        <profile-valid>
          profile-valid
        </profile-valid>
        <profile-username>
          profile-username
        </profile-username>
        <profile-password>
          profile-password
        </profile-password>
        <profile-access-point-name>
          profile-access-point-name
        </profile-access-point-name>
        <profile-authentication>
          profile-authentication
        </profile-authentication>
      </gsm-profile>
    </gsm-profiles>
  </wwand-modem-wireless-interface-profiles>
</wwand-modem-wireless-interface>
```

#### Description

#### <gsm-profiles>

##### Usage

```
<gsm-profiles>
  <gsm-profile>....</gsm-profile>
</gsm-profiles>
```

#### Description

#### <gsm-profiles>

##### Usage

```
<wwand-modem-wireless-interface-profiles>
```

```

<gsm-profiles>
  <gsm-profile>....</gsm-profile>
</gsm-profiles>
</wwand-modem-wireless-interface-profiles>

```

#### Description

#### <gsm-profiles>

#### Usage

```

<wwand-modem-wireless-interface>
  <wwand-modem-wireless-interface-profiles>
    <gsm-profiles>
      <gsm-profile>....</gsm-profile>
    </gsm-profiles>
  </wwand-modem-wireless-interface-profiles>
</wwand-modem-wireless-interface>

```

#### Description

#### <profile-summary>

#### Usage

```

<profile-summary>
  <max-profiles>
    max-profiles
  </max-profiles>
  <default-profile>
    default-profile
  </default-profile>
</profile-summary>

```

#### Description

#### <profile-summary>

#### Usage

```

<wwand-modem-wireless-interface-profiles>
  <profile-summary>
    <max-profiles>
      max-profiles
    </max-profiles>
    <default-profile>
      default-profile
    </default-profile>
  </profile-summary>
</wwand-modem-wireless-interface-profiles>

```

#### Description

## <profile-summary>

### Usage

```
<wwand-modem-wireless-interface>
  <wwand-modem-wireless-interface-profiles>
    <profile-summary>
      <max-profiles>
        max-profiles
      </max-profiles>
      <default-profile>
        default-profile
      </default-profile>
    </profile-summary>
  </wwand-modem-wireless-interface-profiles>
</wwand-modem-wireless-interface>
```

### Description

## <wwand-modem-wireless-cdma-interface-firmware>

### Usage

```
<wwand-modem-wireless-cdma-interface-firmware>
  <electronic-serial-number>
    electronic-serial-number
  </electronic-serial-number>
  <prl-version>
    prl-version
  </prl-version>
  <supported-mode>
    supported-mode
  </supported-mode>
  <modem-activation>
    modem-activation
  </modem-activation>
  <activation-date>
    activation-date
  </activation-date>
  <powerup-lock>
    powerup-lock
  </powerup-lock>
</wwand-modem-wireless-cdma-interface-firmware>
```

### Description

## <wwand-modem-wireless-gsm-interface-firmware>

### Usage

```
<wwand-modem-wireless-gsm-interface-firmware>
  <gsm-fsn>
    gsm-fsn
  </gsm-fsn>
  <pin-security>
    pin-security
  </pin-security>
```

```

</pin-security>
<gsm-imei>
  gsm-imei
</gsm-imei>
<sim-status>
  sim-status
</sim-status>
<sim-lock>
  sim-lock
</sim-lock>
<gsm-user-op>
  gsm-user-op
</gsm-user-op>
<retries-remaining>
  retries-remaining
</retries-remaining>
</wwand-modem-wireless-gsm-interface-firmware>

```

## Description

### <wwand-modem-wireless-gsm-interface-network>

#### Usage

```

<wwand-modem-wireless-gsm-interface-network>
  <modem-status>
    modem-status
  </modem-status>
  <service-status>
    service-status
  </service-status>
  <service-type>
    service-type
  </service-type>
  <service-mode>
    service-mode
  </service-mode>
  <gsm-band>
    gsm-band
  </gsm-band>
  <gsm-roaming-status>
    gsm-roaming-status
  </gsm-roaming-status>
  <network-selection>
    network-selection
  </network-selection>
  <network>
    network
  </network>
  <mcc>
    mcc
  </mcc>
  <mnc>
    mnc
  </mnc>
  <msin>

```

```
    msin
  </msin>
  <lac>
    lac
  </lac>
  <rac>
    rac
  </rac>
  <cell-id>
    cell-id
  </cell-id>
  <scrambling-code>
    scrambling-code
  </scrambling-code>
</wwand-modem-wireless-gsm-interface-network>
```

#### Description

### <wwand-modem-wireless-interface>

#### Usage

```
<wwand-modem-wireless-interface>

  <wwand-modem-wireless-interface-firmware>....</wwand-modem-wireless-interface-firmware>

  <wwand-modem-wireless-interface-network>....</wwand-modem-wireless-interface-network>

  <wwand-modem-wireless-interface-rssi>....</wwand-modem-wireless-interface-rssi>

  <wwand-modem-wireless-interface-profiles>....</wwand-modem-wireless-interface-profiles>

</wwand-modem-wireless-interface>
```

#### Description

### <wwand-modem-wireless-interface-firmware>

#### Usage

```
<wwand-modem-wireless-interface-firmware>
  <firmware-version>
    firmware-version
  </firmware-version>
  <firmware-build-date>
    firmware-build-date
  </firmware-build-date>
  <card-type>
    card-type
  </card-type>
  <card-manufacturer>
    card-manufacturer
  </card-manufacturer>
```

```
<hardware-version>
  hardware-version
</hardware-version>
<modem-temperature>
  modem-temperature
</modem-temperature>
</wwand-modem-wireless-interface-firmware>
```

#### Description

### <wwand-modem-wireless-interface-firmware>

#### Usage

```
<wwand-modem-wireless-interface>
  <wwand-modem-wireless-interface-firmware>
    <firmware-version>
      firmware-version
    </firmware-version>
    <firmware-build-date>
      firmware-build-date
    </firmware-build-date>
    <card-type>
      card-type
    </card-type>
    <card-manufacturer>
      card-manufacturer
    </card-manufacturer>
    <hardware-version>
      hardware-version
    </hardware-version>
    <modem-temperature>
      modem-temperature
    </modem-temperature>
  </wwand-modem-wireless-interface-firmware>
</wwand-modem-wireless-interface>
```

#### Description

### <wwand-modem-wireless-interface-network>

#### Usage

```
<wwand-modem-wireless-interface-network>
  <running-operating-mode>
    running-operating-mode
  </running-operating-mode>
  <call-setup-mode>
    call-setup-mode
  </call-setup-mode>
  <system-identifier>
    system-identifier
  </system-identifier>
  <network-identifier>
    network-identifier
  </network-identifier>
```

```
<imsi>
  imsi
</imsi>
<roaming-status>
  roaming-status
</roaming-status>
<idle-digital-mode>
  idle-digital-mode
</idle-digital-mode>
<network-time>
  network-time
</network-time>
</wwand-modem-wireless-interface-network>
```

#### Description

### <wwand-modem-wireless-interface-network>

#### Usage

```
<wwand-modem-wireless-interface>
  <wwand-modem-wireless-interface-network>
    <running-operating-mode>
      running-operating-mode
    </running-operating-mode>
    <call-setup-mode>
      call-setup-mode
    </call-setup-mode>
    <system-identifier>
      system-identifier
    </system-identifier>
    <network-identifier>
      network-identifier
    </network-identifier>
    <imsi>
      imsi
    </imsi>
    <roaming-status>
      roaming-status
    </roaming-status>
    <idle-digital-mode>
      idle-digital-mode
    </idle-digital-mode>
    <network-time>
      network-time
    </network-time>
  </wwand-modem-wireless-interface-network>
</wwand-modem-wireless-interface>
```

#### Description

### <wwand-modem-wireless-interface-profiles>

#### Usage

```
<wwand-modem-wireless-interface-profiles>
```



```
<profile-summary>....</profile-summary>
<gsm-profiles>....</gsm-profiles>
</wwand-modem-wireless-interface-profiles>
```

#### Description

### <wwand-modem-wireless-interface-profiles>

#### Usage

```
<wwand-modem-wireless-interface>
  <wwand-modem-wireless-interface-profiles>
    <profile-summary>....</profile-summary>
    <gsm-profiles>....</gsm-profiles>
  </wwand-modem-wireless-interface-profiles>
</wwand-modem-wireless-interface>
```

#### Description

### <wwand-modem-wireless-interface-rssi>

#### Usage

```
<wwand-modem-wireless-interface-rssi>
  <rssi>
    rssi
  </rssi>
</wwand-modem-wireless-interface-rssi>
```

#### Description

### <wwand-modem-wireless-interface-rssi>

#### Usage

```
<wwand-modem-wireless-interface>
  <wwand-modem-wireless-interface-rssi>
    <rssi>
      rssi
    </rssi>
  </wwand-modem-wireless-interface-rssi>
</wwand-modem-wireless-interface>
```

#### Description

## Summary of WXOS Protocol Response Tags

---

### <wx-status>

#### Usage

```
<wx-status>
  <wx-redirect-status>
    wx-redirect-status
  </wx-redirect-status>
  <wx-interface-name>
```

```
    wx-interface-name
  </wx-interface-name>
  <wx-primary-ip>
    wx-primary-ip
  </wx-primary-ip>
  <wx-secondary-ip>
    wx-secondary-ip
  </wx-secondary-ip>
  <junos-version>
    junos-version
  </junos-version>
  <wxos-version>
    wxos-version
  </wxos-version>
  <junos-wxos-protocol-compatibility-status>
    junos-wxos-protocol-compatibility-status
  </junos-wxos-protocol-compatibility-status>
  <junos-protocol-version>
    junos-protocol-version
  </junos-protocol-version>
  <wxos-protocol-version>
    wxos-protocol-version
  </wxos-protocol-version>
</wx-status>
```

**Description** Information about WX Status

---

## Summary of Zones Response Tags

### <zones-functional>

#### Usage

```
<zones-information>
  <zones-functional>
    <zones-management>....</zones-management>
  </zones-functional>
</zones-information>
```

**Description** Information about one or more functional zones

### <zones-information>

#### Usage

```
<zones-information>
  <zones-functional>....</zones-functional>
  <zones-security>....</zones-security>
  <zones-logical-system>....</zones-logical-system>
</zones-information>
```

**Description** Information about one or more zones

## <zones-logical-system>

### Usage

```

<zones-information>
  <zones-logical-system>
    <name>
      name
    </name>
  </zones-logical-system>
</zones-information>

```

**Description** Logical system

## <zones-management>

### Usage

```

<zones-information>
  <zones-functional>
    <zones-management>
      <zones-management-zonename>
        zones-management-zonename
      </zones-management-zonename>
      <zones-management-description>
        zones-management-description
      </zones-management-description>
      <zones-management-policy-configurable>
        zones-management-policy-configurable
      </zones-management-policy-configurable>
      <zones-management-screen>
        zones-management-screen
      </zones-management-screen>
      <zones-management-interfaces-bound>
        zones-management-interfaces-bound
      </zones-management-interfaces-bound>
      <zones-management-interfaces>....</zones-management-interfaces>
    </zones-management>
  </zones-functional>
</zones-information>

```

**Description** Information about management zone

## <zones-management-interfaces>

### Usage

```

<zones-information>
  <zones-functional>
    <zones-management>
      <zones-management-interfaces>
        <zones-management-interface-name>
          zones-management-interface-name
        </zones-management-interface-name>
      </zones-management-interfaces>
    </zones-management>
  </zones-functional>
</zones-information>

```

```
</zones-management>
</zones-functional>
</zones-information>
```

**Description** Interfaces bound to the zone

## <zones-security>

### Usage

```
<zones-information>
  <zones-security>
    <zones-security-zonename>
      zones-security-zonename
    </zones-security-zonename>
    <zones-security-description>
      zones-security-description
    </zones-security-description>
    <zones-security-scope>
      zones-security-scope
    </zones-security-scope>
    <zones-security-send-reset>
      zones-security-send-reset
    </zones-security-send-reset>
    <zones-security-policy-configurable>
      zones-security-policy-configurable
    </zones-security-policy-configurable>
    <zones-security-screen>
      zones-security-screen
    </zones-security-screen>
    <zones-security-interfaces-bound>
      zones-security-interfaces-bound
    </zones-security-interfaces-bound>
    <zones-security-interfaces>....</zones-security-interfaces>
  </zones-security>
</zones-information>
```

**Description** Information about one or more security zone

## <zones-security-interfaces>

### Usage

```
<zones-information>
  <zones-security>
    <zones-security-interfaces>
      <zones-security-interface-name>
        zones-security-interface-name
      </zones-security-interface-name>
    </zones-security-interfaces>
  </zones-security>
</zones-information>
```

**Description** Interfaces bound to the zone



## Junos OS XML Document Type Definitions

The chapters in this section contain the document type definitions (DTDs) for the Junos Extensible Markup Language (XML) tag elements that contain information about various routing platform functions:

- [DTD for Accounting Response Tags on page 8695](#)
- [DTD for Adaptive Services Response Tags on page 8707](#)
- [DTD for Alarm Response Tags on page 8771](#)
- [DTD for ANCP Response Tags on page 8773](#)
- [DTD for APPIDD Response Tags on page 8779](#)
- [DTD for APS Response Tags on page 8785](#)
- [DTD for ARP Response Tags on page 8787](#)
- [DTD for Authentication Response Tags on page 8789](#)
- [DTD for BFD Response Tags on page 8801](#)
- [DTD for CFM Response Tags on page 8805](#)
- [DTD for Chassis Response Tags on page 8821](#)
- [DTD for Clock Synchronization Response Tags on page 8851](#)
- [DTD for Class-of-Service Response Tags on page 8861](#)
- [DTD for CLI Administration Response Tags on page 8877](#)
- [DTD for Database Replication Response Tags on page 8895](#)
- [DTD for DCD Response Tags on page 8897](#)
- [DTD for Dynamic Flow Capture Response Tags on page 8899](#)
- [DTD for DHCP Relay Response Tags on page 8903](#)
- [DTD for DHCP Server Response Tags on page 8909](#)
- [DTD for DHCP Service Response Tags on page 8915](#)
- [DTD for DHCP Response Tags on page 8919](#)
- [DTD for Dialer Response Tags on page 8923](#)
- [DTD for Dynamic Configuration Response Tags on page 8927](#)
- [DTD for Firewall Filter Response Tags on page 8935](#)
- [DTD for J20 GGSN Response Tags on page 8937](#)
- [DTD for GRES Test Point Response Tags on page 8953](#)

- [DTD for UDP Forwarding Helper Response Tags on page 8955](#)
- [DTD for ICCP Response Tags on page 8957](#)
- [DTD for IDP Response Tags on page 8959](#)
- [DTD for Interface Metadata Response Tags on page 8969](#)
- [DTD for Interfaces Response Tags on page 8971](#)
- [DTD for IPsec Response Tags on page 9037](#)
- [DTD for IPv6 Neighbor Discovery Response Tags on page 9047](#)
- [DTD for DDOS Response Tags on page 9049](#)
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- [DTD for L2AL Response Tags on page 9071](#)
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# DTD for Accounting Response Tags

## Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-accounting.dtd`, which lists the Junos XML tags that contain information about Junos OS accounting. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-accounting.dtd -->

<!ELEMENT accounting-profile-columns (column-label)*>

<!ELEMENT accounting-profile-filter (filter-name | next-scheduled-collection)*>

<!ELEMENT accounting-profile-header (profile-name | profile-type | profile-interval
  | profile-use-count | filename | filesize | filenumber | bytes-written |
  transfer-interval | next-transfer-time)*>
<ATTLIST accounting-profile-header junos:style CDATA #IMPLIED>

<!ELEMENT accounting-profile-information (accounting-profile-header |
  accounting-profile-columns | accounting-profile-interfaces | accounting-profile-mib
  | accounting-profile-filter)*>

<!ELEMENT accounting-profile-interfaces (interface-name |
  next-scheduled-collection)*>

<!ELEMENT accounting-profile-mib (mib-name | next-scheduled-collection)*>

<!ELEMENT accounting-record-information (interface-accounting-statistics |
  routing-engine-accounting-statistics | filter-accounting-statistics |
  cu-accounting-statistics | mib-accounting-statistics | file-accounting-records)*>

<!ELEMENT accounting-server-statistics (statistics_connection_header |
  statistics_pfe_header | statistics_pfed_header | statistics_libstat_header |
  statistics_error_header)*>

<!ELEMENT address-family (#PCDATA)>

<!ELEMENT arp-count (#PCDATA)>

<!ELEMENT atm-oam-count (#PCDATA)>

<!ELEMENT bad-route-discard (#PCDATA)>
```

```
<!ELEMENT bfd-bad-checksum (#PCDATA)>
<!ELEMENT bfd-bad-iff-prefix-length (#PCDATA)>
<!ELEMENT bfd-bad-length (#PCDATA)>
<!ELEMENT bfd-bad-options (#PCDATA)>
<!ELEMENT bfd-bad-udp-checksum (#PCDATA)>
<!ELEMENT bfd-bad-udp-length (#PCDATA)>
<!ELEMENT bfd-bad-udp-ports (#PCDATA)>
<!ELEMENT bfd-count (#PCDATA)>
<!ELEMENT bfd-invalid-iff (#PCDATA)>
<!ELEMENT bfd-invalid-iif (#PCDATA)>
<!ELEMENT bfd-no-local-iff (#PCDATA)>
<!ELEMENT bfd-out-of-packets (#PCDATA)>
<!ELEMENT bfd-rx-queue-overflow (#PCDATA)>
<!ELEMENT bfd-total-absorbed (#PCDATA)>
<!ELEMENT bfd-total-packets (#PCDATA)>
<!ELEMENT bfd-transmit-errors (#PCDATA)>
<!ELEMENT bits-to-test-discard (#PCDATA)>
<!ELEMENT byte-count (#PCDATA)>
<!ELEMENT bytes-written (#PCDATA)>
<!ELEMENT cfm-packets-absorbed (#PCDATA)>
<!ELEMENT cfm-packets-dropped (#PCDATA)>
<!ELEMENT cfm-packets-received (#PCDATA)>
<!ELEMENT cfm-packets-received-invalid-length (#PCDATA)>
<!ELEMENT cfm-packets-received-with-sequence-number (#PCDATA)>
<!ELEMENT cfm-packets-sent-to-re (#PCDATA)>
<!ELEMENT cfm-packets-transmit-error (#PCDATA)>
<!ELEMENT cfm-packets-transmitted (#PCDATA)>
<!ELEMENT column-label (#PCDATA)>
<!ELEMENT conn-id (#PCDATA)>
<!ELEMENT conn-name (#PCDATA)>
```

```

<!ELEMENT counter-name (#PCDATA)>

<!ELEMENT cpu15min (#PCDATA)>

<!ELEMENT cpu1min (#PCDATA)>

<!ELEMENT cpu5min (#PCDATA)>

<!ELEMENT cu-accounting-record (profile-layout | epoch-timestamp | utc-timestamp
| interface-name | address-family | destination-class-name | source-class-name
| counter-name | packet-count | byte-count)*>
<!ATTLIST cu-accounting-record junos:style CDATA #IMPLIED>

<!ELEMENT cu-accounting-statistics (cu-accounting-record)*>

<!ELEMENT data-error-discard (#PCDATA)>

<!ELEMENT date-yyyymmdd (#PCDATA)>

<!ELEMENT destination-class-name (#PCDATA)>

<!ELEMENT epoch-timestamp (#PCDATA)>

<!ELEMENT error (#PCDATA)>

<!ELEMENT ether-oam-count (#PCDATA)>

<!ELEMENT fabric-discard (#PCDATA)>

<!ELEMENT file-accounting-record (profile-layout | epoch-timestamp)*>

<!ELEMENT file-accounting-records (file-accounting-record)*>

<!ELEMENT filename (#PCDATA)>

<!ELEMENT filenumber (#PCDATA)>

<!ELEMENT filesize (#PCDATA)>

<!ELEMENT filter-accounting-record (profile-layout | epoch-timestamp |
utc-timestamp | interfaces | filter-name | counter-name | packet-count |
byte-count)*>
<!ATTLIST filter-accounting-record junos:style CDATA #IMPLIED>

<!ELEMENT filter-accounting-statistics (filter-accounting-record)*>

<!ELEMENT filter-name (#PCDATA)>

<!ELEMENT forwarding-class-name (#PCDATA)>

<!ELEMENT fr-lmi-count (#PCDATA)>

<!ELEMENT from-libstat (#PCDATA)>

<!ELEMENT hardware-input-drops (#PCDATA)>

<!ELEMENT hdlc-keepalive-count (#PCDATA)>

<!ELEMENT hostname (#PCDATA)>

<!ELEMENT index (index-name | index-value)*>

```

```
<!ELEMENT index-name (#PCDATA)>

<!ELEMENT index-value (#PCDATA)>

<!ELEMENT info-cell-discard (#PCDATA)>

<!ELEMENT input-bytes (#PCDATA)>

<!ELEMENT input-checksum (#PCDATA)>

<!ELEMENT input-errors (#PCDATA)>

<!ELEMENT input-multicast (#PCDATA)>

<!ELEMENT input-packets (#PCDATA)>

<!ELEMENT input-pps (#PCDATA)>

<!ELEMENT input-unicast (#PCDATA)>

<!ELEMENT interface-accounting-record (profile-layout | epoch-timestamp |
utc-timestamp | interface-name | snmp-index | input-bytes | output-bytes |
input-packets | output-packets | input-unicast | output-unicast | input-multicast
| output-multicast | input-errors | output-errors | no-proto | rpf-check-bytes
| rpf-check-packets | rpf-check6-bytes | rpf-check6-packets)*>
<!ATTLIST interface-accounting-record junos:style CDATA #IMPLIED>

<!ELEMENT interface-accounting-statistics (interface-accounting-record)*>

<!ELEMENT interface-name (#PCDATA)>

<!ELEMENT interfaces (#PCDATA)>

<!ELEMENT invalid-iif-discard (#PCDATA)>

<!ELEMENT isis-iih-count (#PCDATA)>

<!ELEMENT larp-count (#PCDATA)>

<!ELEMENT ldp-hello-count (#PCDATA)>

<!ELEMENT lfm-packets-absorbed (#PCDATA)>

<!ELEMENT lfm-packets-dropped (#PCDATA)>

<!ELEMENT lfm-packets-received (#PCDATA)>

<!ELEMENT lfm-packets-sent-to-re (#PCDATA)>

<!ELEMENT lfm-packets-transmit-error (#PCDATA)>

<!ELEMENT lfm-packets-transmitted (#PCDATA)>

<!ELEMENT libstat-counter-names (#PCDATA)>

<!ELEMENT memory-usage (#PCDATA)>

<!ELEMENT mgmt-state (#PCDATA)>

<!ELEMENT mib-accounting-record (profile | epoch-timestamp | utc-timestamp | name
```

```

    | object-value)*>
<!ATTLIST mib-accounting-record junos:style CDATA #IMPLIED>

<!ELEMENT mib-accounting-statistics (mib-accounting-record)*>

<!ELEMENT mib-name (#PCDATA)>

<!ELEMENT name (#PCDATA)>

<!ELEMENT next-scheduled-collection (#PCDATA)>

<!ELEMENT next-transfer-time (#PCDATA)>

<!ELEMENT nexthop-discard (#PCDATA)>

<!ELEMENT no-proto (#PCDATA)>

<!ELEMENT number (#PCDATA)>

<!ELEMENT object-value (#PCDATA)>

<!ELEMENT object-value-type (#PCDATA)>

<!ELEMENT oid (#PCDATA)>

<!ELEMENT ospf-hello-count (#PCDATA)>

<!ELEMENT ospf3-hello-count (#PCDATA)>

<!ELEMENT output-bytes (#PCDATA)>

<!ELEMENT output-errors (#PCDATA)>

<!ELEMENT output-mtu (#PCDATA)>

<!ELEMENT output-multicast (#PCDATA)>

<!ELEMENT output-packets (#PCDATA)>

<!ELEMENT output-pps (#PCDATA)>

<!ELEMENT output-unicast (#PCDATA)>

<!ELEMENT packet-count (#PCDATA)>

<!ELEMENT pfe (slot-index | slot-type | slot-state | mgmt-state | up-time)*>

<!ELEMENT pfe-bfd-statistics-detail (bfd-invalid-iif | bfd-invalid-iff |
bfd-bad-checksum | bfd-bad-options | bfd-bad-length | bfd-bad-udp-checksum |
bfd-bad-udp-length | bfd-bad-udp-ports | bfd-no-local-ifl |
bfd-bad-ifl-prefix-length | bfd-rx-queue-overflow | bfd-out-of-packets |
bfd-total-packets | bfd-total-absorbed | bfd-transmit-errors)*>

<!ELEMENT pfe-cfm-statistics-detail (cfm-packets-received | cfm-packets-sent-to-re
| cfm-packets-absorbed | cfm-packets-received-with-sequence-number |
cfm-packets-received-invalid-length | cfm-packets-transmitted |
cfm-packets-transmit-error | cfm-packets-dropped)*>

<!ELEMENT pfe-chip-statistics (input-checksum | output-mtu)*>

<!ELEMENT pfe-counter-names (#PCDATA)>

```

```
<!ELEMENT pfe-cpu-stats (pfe-queue-counters)*>

<!ELEMENT pfe-description (#PCDATA)>

<!ELEMENT pfe-forwarding-module-instance (#PCDATA)>

<!ELEMENT pfe-forwarding-module-name (#PCDATA)>

<!ELEMENT pfe-fpc-instance (#PCDATA)>

<!ELEMENT pfe-hardware-discard-statistics (timeout-discard | truncated-key-discard
| bits-to-test-discard | data-error-discard | stack-underflow-discard |
stack-overflow-discard | bad-route-discard | nexthop-discard | invalid-iif-discard
| info-cell-discard | fabric-discard)*>

<!ELEMENT pfe-information (pfe)*>
<!--ATTLIST pfe-information junos:style CDATA #IMPLIED-->

<!ELEMENT pfe-input-packets (#PCDATA)>

<!ELEMENT pfe-instance (#PCDATA)>

<!ELEMENT pfe-lfm-statistics-detail (lfm-packets-received | lfm-packets-sent-to-re
| lfm-packets-absorbed | lfm-packets-transmitted | lfm-packets-transmit-error |
lfm-packets-dropped)*>

<!ELEMENT pfe-local-protocol-statistics (hdlc-keepalive-count | atm-oam-count |
fr-lmi-count | ppp-lcp-ncp-count | ospf-hello-count | ospf3-hello-count |
rsvp-hello-count | ldp-hello-count | bfd-count | isis-iih-count | lacp-count |
arp-count | ether-oam-count | unknown-count)*>

<!ELEMENT pfe-local-traffic-statistics (pfe-input-packets | pfe-output-packets |
software-input-control-drops | software-input-high-drops |
software-input-medium-drops | software-input-low-drops | software-output-low-drops
| hardware-input-drops)*>

<!ELEMENT pfe-multicast-stats (pfe-queue-counters)*>

<!ELEMENT pfe-output-packets (#PCDATA)>

<!ELEMENT pfe-queue (number | forwarding-class-name | queued-packets |
queued-packets-na | queued-bytes-na | queued-bytes | queued-packets-rate |
queued-bytes-rate | trans-packets | trans-bytes | trans-packets-rate |
trans-bytes-rate | tail-drop-packets | tail-drop-packets-rate |
tail-drop-packets-na | rate-limit-drop-packets | rate-limit-drop-packets-rate |
rate-limit-drop-packets-na | rate-limit-drop-bytes | rate-limit-drop-bytes-rate
| rate-limit-drop-bytes-na | red-packets-na | red-packets | red-bytes-na |
red-bytes | red-packets-rate | red-bytes-rate | red-packets-ln | red-bytes-ln |
red-packets-rate-ln | red-bytes-rate-ln | red-packets-lt | red-bytes-lt |
red-packets-rate-lt | red-bytes-rate-lt | red-packets-ht | red-bytes-ht |
red-packets-rate-ht | red-bytes-rate-ht | red-packets-hn | red-bytes-hn |
red-packets-rate-hn | red-bytes-rate-hn | red-packets-low | red-bytes-low |
red-packets-rate-low | red-bytes-rate-low | red-packets-medium-low |
red-bytes-medium-low | red-packets-rate-medium-low | red-bytes-rate-medium-low |
red-packets-medium-high | red-bytes-medium-high | red-packets-rate-medium-high
| red-bytes-rate-medium-high | red-packets-medium | red-bytes-medium |
red-packets-rate-medium | red-bytes-rate-medium | red-packets-high | red-bytes-high
| red-packets-rate-high | red-bytes-rate-high)*>

<!ELEMENT pfe-queue-counters (pfe-queue)*>
```



```

<!ELEMENT pfe-resource (pfe-resource-usage)*>

<!ELEMENT pfe-resource-free (#PCDATA)>

<!ELEMENT pfe-resource-general-information (pfe-description | pfe-instance |
pfe-forwarding-module-name | pfe-forwarding-module-instance |
pfe-resource-usage-details)*>

<!ELEMENT pfe-resource-highlight (#PCDATA)>

<!ELEMENT pfe-resource-inuse (#PCDATA)>

<!ELEMENT pfe-resource-inuse-percent (#PCDATA)>

<!ELEMENT pfe-resource-name (#PCDATA)>

<!ELEMENT pfe-resource-total (#PCDATA)>

<!ELEMENT pfe-resource-units (#PCDATA)>

<!ELEMENT pfe-resource-usage (pfe-fpc-instance | pfe-resource-usage-legend |
pfe-resource-general-information)*>

<!ELEMENT pfe-resource-usage-details (pfe-resource-total | pfe-resource-units |
pfe-resource-free | pfe-resource-inuse | pfe-resource-name |
pfe-resource-inuse-percent | pfe-resource-highlight)*>

<!ELEMENT pfe-resource-usage-legend (#PCDATA)>

<!ELEMENT pfe-statistics (pfe-multicast-stats | pfe-cpu-stats |
pfe-tail-drop-statistics | pfe-total-tail-drop | pfe-traffic-statistics |
pfe-local-traffic-statistics | pfe-local-protocol-statistics |
pfe-bfd-statistics-detail | pfe-cfm-statistics-detail | pfe-lfm-statistics-detail
| pfe-vrrp-statistics-detail | pfe-hardware-discard-statistics |
pfe-chip-statistics)*>

<!ELEMENT pfe-tail-drop-statistics (pfe-queue-counters)*>

<!ELEMENT pfe-total-tail-drop (pfe-queue-counters)*>

<!ELEMENT pfe-traffic-statistics (pfe-input-packets | pfe-output-packets |
input-pps | output-pps)*>

<!ELEMENT pfe-vrrp-statistics-detail (vrrp-packets-received |
vrrp-packets-sent-to-re | vrrp-packets-absorbed | vrrp-packets-transmitted |
vrrp-packets-transmit-error | vrrp-packets-dropped)*>

<!ELEMENT pfed-counter-names (#PCDATA)>

<!ELEMENT ppp-lcp-ncp-count (#PCDATA)>

<!ELEMENT profile (#PCDATA)>

<!ELEMENT profile-interval (#PCDATA)>

<!ELEMENT profile-layout (#PCDATA)>

<!ELEMENT profile-name (#PCDATA)>

<!ELEMENT profile-type (#PCDATA)>

```

```
<!ELEMENT profile-use-count (#PCDATA)>
<!ELEMENT queued-bytes (#PCDATA)>
<!ELEMENT queued-bytes-na (#PCDATA)>
<!ELEMENT queued-bytes-rate (#PCDATA)>
<!ELEMENT queued-packets (#PCDATA)>
<!ELEMENT queued-packets-na (#PCDATA)>
<!ELEMENT queued-packets-rate (#PCDATA)>
<!ELEMENT rate-limit-drop-bytes (#PCDATA)>
<!ELEMENT rate-limit-drop-bytes-na (#PCDATA)>
<!ELEMENT rate-limit-drop-bytes-rate (#PCDATA)>
<!ELEMENT rate-limit-drop-packets (#PCDATA)>
<!ELEMENT rate-limit-drop-packets-na (#PCDATA)>
<!ELEMENT rate-limit-drop-packets-rate (#PCDATA)>
<!ELEMENT red-bytes (#PCDATA)>
<!ELEMENT red-bytes-high (#PCDATA)>
<!ELEMENT red-bytes-hn (#PCDATA)>
<!ELEMENT red-bytes-ht (#PCDATA)>
<!ELEMENT red-bytes-ln (#PCDATA)>
<!ELEMENT red-bytes-low (#PCDATA)>
<!ELEMENT red-bytes-lt (#PCDATA)>
<!ELEMENT red-bytes-medium (#PCDATA)>
<!ELEMENT red-bytes-medium-high (#PCDATA)>
<!ELEMENT red-bytes-medium-low (#PCDATA)>
<!ELEMENT red-bytes-na (#PCDATA)>
<!ELEMENT red-bytes-rate (#PCDATA)>
<!ELEMENT red-bytes-rate-high (#PCDATA)>
<!ELEMENT red-bytes-rate-hn (#PCDATA)>
<!ELEMENT red-bytes-rate-ht (#PCDATA)>
<!ELEMENT red-bytes-rate-ln (#PCDATA)>
<!ELEMENT red-bytes-rate-low (#PCDATA)>
```

```

<!ELEMENT red-bytes-rate-lt (#PCDATA)>

<!ELEMENT red-bytes-rate-medium (#PCDATA)>

<!ELEMENT red-bytes-rate-medium-high (#PCDATA)>

<!ELEMENT red-bytes-rate-medium-low (#PCDATA)>

<!ELEMENT red-packets (#PCDATA)>

<!ELEMENT red-packets-high (#PCDATA)>

<!ELEMENT red-packets-hn (#PCDATA)>

<!ELEMENT red-packets-ht (#PCDATA)>

<!ELEMENT red-packets-ln (#PCDATA)>

<!ELEMENT red-packets-low (#PCDATA)>

<!ELEMENT red-packets-lt (#PCDATA)>

<!ELEMENT red-packets-medium (#PCDATA)>

<!ELEMENT red-packets-medium-high (#PCDATA)>

<!ELEMENT red-packets-medium-low (#PCDATA)>

<!ELEMENT red-packets-na (#PCDATA)>

<!ELEMENT red-packets-rate (#PCDATA)>

<!ELEMENT red-packets-rate-high (#PCDATA)>

<!ELEMENT red-packets-rate-hn (#PCDATA)>

<!ELEMENT red-packets-rate-ht (#PCDATA)>

<!ELEMENT red-packets-rate-ln (#PCDATA)>

<!ELEMENT red-packets-rate-low (#PCDATA)>

<!ELEMENT red-packets-rate-lt (#PCDATA)>

<!ELEMENT red-packets-rate-medium (#PCDATA)>

<!ELEMENT red-packets-rate-medium-high (#PCDATA)>

<!ELEMENT red-packets-rate-medium-low (#PCDATA)>

<!ELEMENT routing-engine-accounting-record (profile-layout | epoch-timestamp |
utc-timestamp | hostname | date-yyyymmdd | timeofday-hhmmss | uptime | cpu1min |
cpu5min | cpu15min | memory-usage | total-cpu-usage)*>
<!ATTLIST routing-engine-accounting-record junos:style CDATA #IMPLIED>

<!ELEMENT routing-engine-accounting-statistics (routing-engine-accounting-record)*>

<!ELEMENT rpf-check-bytes (#PCDATA)>

<!ELEMENT rpf-check-packets (#PCDATA)>

```

```
<!ELEMENT rpf-check6-bytes (#PCDATA)>
<!ELEMENT rpf-check6-packets (#PCDATA)>
<!ELEMENT rsvp-hello-count (#PCDATA)>
<!ELEMENT slot-index (#PCDATA)>
<!ELEMENT slot-state (#PCDATA)>
<!ELEMENT slot-type (#PCDATA)>
<!ELEMENT snmp-index (#PCDATA)>
<!ELEMENT snmp-object (name | index | oid | object-value | object-value-type |
error)*>
<!ELEMENT snmp-object-information (snmp-object | snmp-request-error)*>
<!ELEMENT snmp-req-error-value (#PCDATA)>
<!ELEMENT snmp-request-error (snmp-req-error-value)*>
<!ELEMENT software-input-control-drops (#PCDATA)>
<!ELEMENT software-input-high-drops (#PCDATA)>
<!ELEMENT software-input-low-drops (#PCDATA)>
<!ELEMENT software-input-medium-drops (#PCDATA)>
<!ELEMENT software-output-low-drops (#PCDATA)>
<!ELEMENT source-class-name (#PCDATA)>
<!ELEMENT stack-overflow-discard (#PCDATA)>
<!ELEMENT stack-underflow-discard (#PCDATA)>
<!ELEMENT statistics-error-string (#PCDATA)>
<!ELEMENT statistics_connection_header (conn-name | conn-id)*>
<!ELEMENT statistics_error_header (statistics-error-string)*>
<!ELEMENT statistics_libstat_header (libstat-counter-names | to-libstat |
from-libstat)*>
<!ELEMENT statistics_pfe_header (pfe-counter-names | stats-to-pfe | stats-from-pfe
| timeout-count)*>
<!ELEMENT statistics_pfed_header (pfed-counter-names | stats-to-pfed)*>
<!ELEMENT stats-from-pfe (#PCDATA)>
<!ELEMENT stats-to-pfe (#PCDATA)>
<!ELEMENT stats-to-pfed (#PCDATA)>
<!ELEMENT tail-drop-packets (#PCDATA)>
```

```
<!ELEMENT tail-drop-packets-na (#PCDATA)>
<!ELEMENT tail-drop-packets-rate (#PCDATA)>
<!ELEMENT timeofday-hhmmss (#PCDATA)>
<!ELEMENT timeout-count (#PCDATA)>
<!ELEMENT timeout-discard (#PCDATA)>
<!ELEMENT to-libstat (#PCDATA)>
<!ELEMENT total-cpu-usage (#PCDATA)>
<!ELEMENT trans-bytes (#PCDATA)>
<!ELEMENT trans-bytes-rate (#PCDATA)>
<!ELEMENT trans-packets (#PCDATA)>
<!ELEMENT trans-packets-rate (#PCDATA)>
<!ELEMENT transfer-interval (#PCDATA)>
<!ELEMENT truncated-key-discard (#PCDATA)>
<!ELEMENT unknown-count (#PCDATA)>
<!ELEMENT up-time (#PCDATA)>
<!ATTLIST up-time junos:seconds CDATA #IMPLIED>
<!ELEMENT uptime (#PCDATA)>
<!ATTLIST uptime junos:seconds CDATA #IMPLIED>
<!ELEMENT utc-timestamp (#PCDATA)>
<!ELEMENT vrrp-packets-absorbed (#PCDATA)>
<!ELEMENT vrrp-packets-dropped (#PCDATA)>
<!ELEMENT vrrp-packets-received (#PCDATA)>
<!ELEMENT vrrp-packets-sent-to-re (#PCDATA)>
<!ELEMENT vrrp-packets-transmit-error (#PCDATA)>
<!ELEMENT vrrp-packets-transmitted (#PCDATA)>
```



# DTD for Adaptive Services Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-adaptive-services.dtd`, which lists the Junos XML tags that contain information about Junos OS adaptive services. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-adaptive-services.dtd -->

<!ELEMENT ack-invalid (#PCDATA)>

<!ELEMENT ack-retransmits (#PCDATA)>

<!ELEMENT ack-valid (#PCDATA)>

<!ELEMENT active-block-timeout (#PCDATA)>

<!ELEMENT active-controller (#PCDATA)>

<!ELEMENT actively-checked-server-address (#PCDATA)>

<!ELEMENT actively-checked-server-last-availability (#PCDATA)>

<!ELEMENT actively-checked-server-name (#PCDATA)>

<!ELEMENT actively-checked-server-next-check (#PCDATA)>

<!ELEMENT alg-bootp-errors (#PCDATA)>

<!ELEMENT alg-dce-rpc-errors (#PCDATA)>

<!ELEMENT alg-dce-rpc-portmap-errors (#PCDATA)>

<!ELEMENT alg-dns-errors (#PCDATA)>

<!ELEMENT alg-error-counters (alg-bootp-errors | alg-dce-rpc-errors |
alg-dce-rpc-portmap-errors | alg-dns-errors | alg-exec-errors | alg-ftp-errors |
alg-h323-errors | alg-icmp-errors | alg-iiop-errors | alg-login-errors |
alg-netbios-errors | alg-netshow-errors | alg-realaudio-errors | alg-rpc-errors
| alg-rpc-portmap-errors | alg-rtsp-errors | alg-shell-errors | alg-sip-errors |
alg-snmpp-errors | alg-sqlnet-errors | alg-tftp-errors | alg-traceroute-errors)*>

<!ELEMENT alg-errors (#PCDATA)>
```

```
<!ELEMENT alg-exec-errors (#PCDATA)>
<!ELEMENT alg-ftp-errors (#PCDATA)>
<!ELEMENT alg-h323-errors (#PCDATA)>
<!ELEMENT alg-icmp-errors (#PCDATA)>
<!ELEMENT alg-iiop-errors (#PCDATA)>
<!ELEMENT alg-login-errors (#PCDATA)>
<!ELEMENT alg-name (#PCDATA)>
<!ELEMENT alg-netbios-errors (#PCDATA)>
<!ELEMENT alg-netshow-errors (#PCDATA)>
<!ELEMENT alg-realaudio-errors (#PCDATA)>
<!ELEMENT alg-rpc-errors (#PCDATA)>
<!ELEMENT alg-rpc-portmap-errors (#PCDATA)>
<!ELEMENT alg-rtsp-errors (#PCDATA)>
<!ELEMENT alg-shell-errors (#PCDATA)>
<!ELEMENT alg-sip-errors (#PCDATA)>
<!ELEMENT alg-snmp-errors (#PCDATA)>
<!ELEMENT alg-sqlnet-errors (#PCDATA)>
<!ELEMENT alg-tftp-errors (#PCDATA)>
<!ELEMENT alg-traceroute-errors (#PCDATA)>
<!ELEMENT audit-observed-events-returns-history (#PCDATA)>
<!ELEMENT bad-checksum (#PCDATA)>
<!ELEMENT bad-syn-cookie-response (#PCDATA)>
<!ELEMENT base-root-entry (brp_name | brp_minimum | brp_maximum | brp_default)*>
<!ELEMENT brief-num-of-dirty-flows (#PCDATA)>
<!ELEMENT brp_default (#PCDATA)>
<!ELEMENT brp_maximum (#PCDATA)>
<!ELEMENT brp_minimum (#PCDATA)>
<!ELEMENT brp_name (#PCDATA)>
<!ELEMENT bsg-address-of-record (bsg-aor-name | bsg-aor-bindings-num-of-lu |
bsg-address-of-record-bindings)*>
<!ELEMENT bsg-address-of-record-binding (bsg-aor-bindings-uri |
bsg-aor-bindings-reg-realm | bsg-aor-bindings-service-point |
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bsg-aor-bindings-last-reg-time | bsg-aor-bindings-first-reg-time |
bsg-aor-bindings-expiration-time | bsg-aor-bindings-lu |
bsg-aor-bindings-fe-nat-used | bsg-aor-bindings-fe-nat-method |
bsg-aor-bindings-fe-nat-ka-interval)*>

<!ELEMENT bsg-address-of-record-bindings (bsg-address-of-record-binding)*>

<!ELEMENT bsg-address-of-records (bsg-address-of-record)*>

<!ELEMENT bsg-admission-control-details (bsg-cac-name |
bsg-admission-control-dialogs | bsg-admission-control-transactions)*>

<!ELEMENT bsg-admission-control-dialog-title (#PCDATA)>

<!ELEMENT bsg-admission-control-dialogs (bsg-admission-control-dialog-title |
bsg-admission-controlled-object)*>

<!ELEMENT bsg-admission-control-transaction-title (#PCDATA)>

<!ELEMENT bsg-admission-control-transactions
(bsg-admission-control-transaction-title | bsg-admission-controlled-object)*>

<!ELEMENT bsg-admission-controlled-object (bsg-cac-active |
bsg-cac-attempts-handled | bsg-cac-attempts-rejected-concurrent |
bsg-cac-attempts-rejected-rate)*>

<!ELEMENT bsg-admission-controller (#PCDATA)>

<!ELEMENT bsg-aor-bindings-expiration-time (#PCDATA)>

<!ELEMENT bsg-aor-bindings-fe-nat-ka-interval (#PCDATA)>

<!ELEMENT bsg-aor-bindings-fe-nat-method (#PCDATA)>

<!ELEMENT bsg-aor-bindings-fe-nat-used (#PCDATA)>

<!ELEMENT bsg-aor-bindings-first-reg-time (#PCDATA)>

<!ELEMENT bsg-aor-bindings-last-reg-time (#PCDATA)>

<!ELEMENT bsg-aor-bindings-lu (#PCDATA)>

<!ELEMENT bsg-aor-bindings-num-of-lu (#PCDATA)>

<!ELEMENT bsg-aor-bindings-reg-realm (#PCDATA)>

<!ELEMENT bsg-aor-bindings-service-point (#PCDATA)>

<!ELEMENT bsg-aor-bindings-uri (#PCDATA)>

<!ELEMENT bsg-aor-name (#PCDATA)>

<!ELEMENT bsg-cac-active (#PCDATA)>

<!ELEMENT bsg-cac-attempts-handled (#PCDATA)>

<!ELEMENT bsg-cac-attempts-rejected-concurrent (#PCDATA)>

<!ELEMENT bsg-cac-attempts-rejected-rate (#PCDATA)>

<!ELEMENT bsg-cac-name (#PCDATA)>

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<!ELEMENT bsg-call-context-id (#PCDATA)>

<!ELEMENT bsg-calls-duration (bsg-calls-duration-details)*>

<!ELEMENT bsg-calls-duration-details (bsg-start-time |
bsg-service-point-calls-duration-details)*>

<!ELEMENT bsg-charging-cdf-host (#PCDATA)>

<!ELEMENT bsg-charging-cdf-name (#PCDATA)>

<!ELEMENT bsg-charging-cdf-priority (#PCDATA)>

<!ELEMENT bsg-charging-cdf-realm (#PCDATA)>

<!ELEMENT bsg-charging-name (#PCDATA)>

<!ELEMENT bsg-charging-operational-mode (#PCDATA)>

<!ELEMENT bsg-charging-release-number (#PCDATA)>

<!ELEMENT bsg-charging-statistics (number-of-ctf-messages |
number-of-ctf-retries-messages | number-of-ctf-replied-messages |
number-of-ctf-error-replied-messages)*>

<!ELEMENT bsg-charging-status (bsg-charging-name | bsg-charging-release-number |
bsg-charging-operational-mode | bsg-charging-status-cdf)*>

<!ELEMENT bsg-charging-status-cdf (bsg-charging-cdf-name | bsg-charging-cdf-realm
| bsg-charging-cdf-host | bsg-charging-cdf-priority)*>

<!ELEMENT bsg-contact (#PCDATA)>

<!ELEMENT bsg-database-size (database-name | database-size)*>

<!ELEMENT bsg-denied-message (#PCDATA)>

<!ELEMENT bsg-denied-messages-details (bsg-denied-message)*>

<!ELEMENT bsg-dialog-information-call-id (#PCDATA)>

<!ELEMENT bsg-dialog-information-local-tag (#PCDATA)>

<!ELEMENT bsg-dialog-information-local-uri (#PCDATA)>

<!ELEMENT bsg-dialog-information-remote-tag (#PCDATA)>

<!ELEMENT bsg-dialog-information-remote-uri (#PCDATA)>

<!ELEMENT bsg-drain-name-resolution-details (#PCDATA)>

<!ELEMENT bsg-gate-id (#PCDATA)>

<!ELEMENT bsg-information-active-calls (#PCDATA)>

<!ELEMENT bsg-information-brief (bsg-information-brief-details)*>

<!ELEMENT bsg-information-brief-details (bsg-call-context-id | bsg-request-uri |
bsg-contact | bsg-signaling-source-ip | bsg-signaling-destination-ip |
bsg-dialog-information-call-id)*>
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<!ELEMENT bsg-information-details-detailed (bsg-service-point-calls-information)*>

<!ELEMENT bsg-information-summary (bsg-information-active-calls)*>

<!ELEMENT bsg-matched-policies (#PCDATA)>

<!ELEMENT bsg-manipulation-rules (#PCDATA)>

<!ELEMENT bsg-media-details (bsg-gate-id | bsg-media-ip | bsg-media-port |
bsg-media-status)*>

<!ELEMENT bsg-media-ip (#PCDATA)>

<!ELEMENT bsg-media-port (#PCDATA)>

<!ELEMENT bsg-media-status (#PCDATA)>

<!ELEMENT bsg-memory-pools (memory-pool-name | memory-pool-chunks-num |
memory-pool-free-chunks-num | memory-pool-chunk-size | memory-pool-chunk-used)*>

<!ELEMENT bsg-name-resolution-cache-information (bsg-nr-cache)*>

<!ELEMENT bsg-name-resolution-entry (bsg-nr-entry-fqdn | bsg-nr-entry-type |
bsg-nr-entry-rdata | bsg-nr-entry-ttl-expiry | bsg-nr-entry-blacklist-expiry)*>

<!ELEMENT bsg-next-hop (#PCDATA)>

<!ELEMENT bsg-nr-cache (bsg-name-resolution-entry)*>

<!ELEMENT bsg-nr-entry-blacklist-expiry (#PCDATA)>

<!ELEMENT bsg-nr-entry-fqdn (#PCDATA)>

<!ELEMENT bsg-nr-entry-rdata (#PCDATA)>

<!ELEMENT bsg-nr-entry-ttl-expiry (#PCDATA)>

<!ELEMENT bsg-nr-entry-type (#PCDATA)>

<!ELEMENT bsg-redundancy-conn-details (#PCDATA)>

<!ELEMENT bsg-redundancy-conn-messages (#PCDATA)>

<!ELEMENT bsg-redundancy-conn-status (#PCDATA)>

<!ELEMENT bsg-redundancy-conn-type (#PCDATA)>

<!ELEMENT bsg-redundancy-connection-info (bsg-redundancy-conn-type |
bsg-redundancy-conn-details | bsg-redundancy-conn-status |
bsg-redundancy-conn-messages)*>

<!ELEMENT bsg-redundancy-info (#PCDATA)>

<!ELEMENT bsg-redundancy-local-or-remote (#PCDATA)>

<!ELEMENT bsg-redundancy-pic-if-name (#PCDATA)>

<!ELEMENT bsg-redundancy-pic-info (bsg-redundancy-local-or-remote |
bsg-redundancy-pic-if-name | bsg-redundancy-pic-ip | bsg-redundancy-pic-rms-role)*>

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<!ELEMENT bsg-redundancy-pic-ip (#PCDATA)>

<!ELEMENT bsg-redundancy-pic-rms-role (#PCDATA)>

<!ELEMENT bsg-redundancy-state (#PCDATA)>

<!ELEMENT bsg-registrations (bsg-registrations-start-time |
bsg-registrations-active-registrations)*>

<!ELEMENT bsg-registrations-active-registrations (#PCDATA)>

<!ELEMENT bsg-registrations-realm (bsg-registrations-realm-start-time |
bsg-registrations-realm-name | bsg-registrations-realm-active-registrations)*>

<!ELEMENT bsg-registrations-realm-active-registrations (#PCDATA)>

<!ELEMENT bsg-registrations-realm-name (#PCDATA)>

<!ELEMENT bsg-registrations-realm-start-time (#PCDATA)>

<!ELEMENT bsg-registrations-start-time (#PCDATA)>

<!ELEMENT bsg-request-uri (#PCDATA)>

<!ELEMENT bsg-routing-blacklist-actively-checked (actively-checked-server-name |
actively-checked-server-address | actively-checked-server-last-availability |
actively-checked-server-next-check)*>

<!ELEMENT bsg-routing-blacklist-actively-checked-title (#PCDATA)>

<!ELEMENT bsg-routing-blacklist-actively-checked-wrapper
(bsg-routing-blacklist-actively-checked-title |
bsg-routing-blacklist-actively-checked)*>

<!ELEMENT bsg-routing-blacklist-details (bsg-routing-blacklist-entry)*>

<!ELEMENT bsg-routing-blacklist-entry (bsg-start-time |
bsg-routing-blacklist-actively-checked-wrapper |
bsg-routing-blacklist-not-actively-checked-wrapper)*>

<!ELEMENT bsg-routing-blacklist-not-actively-checked
(not-actively-checked-server-name | not-actively-checked-server-address |
not-actively-checked-server-next-availability)*>

<!ELEMENT bsg-routing-blacklist-not-actively-checked-title (#PCDATA)>

<!ELEMENT bsg-routing-blacklist-not-actively-checked-wrapper
(bsg-routing-blacklist-not-actively-checked-title |
bsg-routing-blacklist-not-actively-checked)*>

<!ELEMENT bsg-server-name (#PCDATA)>

<!ELEMENT bsg-service-point-calls-details (bsg-sp-name | service-interface |
bsg-server-name | bsg-sp-direction | bsg-sp-failed-calls | bsg-sp-completed-calls
| bsg-sp-active-calls)*>

<!ELEMENT bsg-service-point-calls-duration-details (bsg-sp-name | service-interface
| bsg-server-name | service-point-direction | calls-duration-histogram)*>

<!ELEMENT bsg-service-point-calls-failed-details (bsg-sp-name | service-interface
| bsg-server-name | bsg-sp-direction | bsg-sp-error-response-code |
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bsg-sp-internal-error | bsg-sp-inactive-timeout | bsg-sp-setup-media-failure |
bsg-sp-established-call-media-inactivity | bsg-sp-cac-policy-rejection |
bsg-sp-default-behavior-policy-rejection |
bsg-sp-configured-behavior-policy-rejection |
bsg-sp-transport-conflict-policy-rejection | bsg-sp-protocol-error |
bsg-sp-setup-timeout | bsg-sp-transport-error | bsg-sp-canceled-calls |
bsg-sp-media-abort)*>

<!ELEMENT bsg-service-point-calls-information (bsg-call-context-id |
bsg-request-uri | bsg-contact | bsg-signaling-source-ip |
bsg-signaling-destination-ip | bsg-dialog-information-call-id |
bsg-dialog-information-local-uri | bsg-dialog-information-remote-uri |
bsg-dialog-information-local-tag | bsg-dialog-information-remote-tag | bsg-next-hop
| bsg-media-details | bsg-matched-policies | bsg-admission-controller |
bsg-manipulation-rules)*>

<!ELEMENT bsg-signaling-destination-ip (#PCDATA)>

<!ELEMENT bsg-signaling-source-ip (#PCDATA)>

<!ELEMENT bsg-sp-active-calls (#PCDATA)>

<!ELEMENT bsg-sp-cac-policy-rejection (#PCDATA)>

<!ELEMENT bsg-sp-canceled-calls (#PCDATA)>

<!ELEMENT bsg-sp-completed-calls (#PCDATA)>

<!ELEMENT bsg-sp-configured-behavior-policy-rejection (#PCDATA)>

<!ELEMENT bsg-sp-default-behavior-policy-rejection (#PCDATA)>

<!ELEMENT bsg-sp-direction (#PCDATA)>

<!ELEMENT bsg-sp-error-response-code (#PCDATA)>

<!ELEMENT bsg-sp-established-call-media-inactivity (#PCDATA)>

<!ELEMENT bsg-sp-failed-calls (#PCDATA)>

<!ELEMENT bsg-sp-inactive-timeout (#PCDATA)>

<!ELEMENT bsg-sp-internal-error (#PCDATA)>

<!ELEMENT bsg-sp-media-abort (#PCDATA)>

<!ELEMENT bsg-sp-name (#PCDATA)>

<!ELEMENT bsg-sp-protocol-error (#PCDATA)>

<!ELEMENT bsg-sp-setup-media-failure (#PCDATA)>

<!ELEMENT bsg-sp-setup-timeout (#PCDATA)>

<!ELEMENT bsg-sp-transport-conflict-policy-rejection (#PCDATA)>

<!ELEMENT bsg-sp-transport-error (#PCDATA)>

<!ELEMENT bsg-start-time (#PCDATA)>

<!ELEMENT bsg-statistics-admission-control (bsg-start-time |

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bsg-admission-control-details)*>

<!ELEMENT bsg-statistics-admission-control-information
(bsg-statistics-admission-control)*>

<!ELEMENT bsg-statistics-calls (bsg-start-time | bsg-service-point-calls-details)*>

<!ELEMENT bsg-statistics-calls-details (bsg-statistics-calls)*>

<!ELEMENT bsg-statistics-calls-failed (bsg-start-time |
bsg-service-point-calls-failed-details)*>

<!ELEMENT bsg-statistics-calls-failed-details (bsg-statistics-calls-failed)*>

<!ELEMENT bsg-statistics-clear-denied-messages (#PCDATA)>

<!ELEMENT bsg-statistics-denied-messages (overload-last-reset-time |
bsg-denied-messages-details)*>

<!ELEMENT bsg-statistics-denied-messages-details (bsg-statistics-denied-messages)*>

<!ELEMENT bsg-statistics-drain-information (#PCDATA)>

<!ELEMENT bsg-status-information (bsg-redundancy-pic-info |
bsg-redundancy-connection-info | bsg-redundancy-state | bsg-redundancy-info)*>

<!ELEMENT burst-duration (#PCDATA)>

<!ELEMENT burst-loss-density (#PCDATA)>

<!ELEMENT bye-invalid (#PCDATA)>

<!ELEMENT bye-valid (#PCDATA)>

<!ELEMENT bypass-output (#PCDATA)>

<!ELEMENT bytes (#PCDATA)>

<!ELEMENT bytes-used (#PCDATA)>

<!ELEMENT call-segments (#PCDATA)>

<!ELEMENT calls-duration-entry (duration-start | duration-end | number-of-calls)*>

<!ELEMENT calls-duration-histogram (calls-duration-entry)*>

<!ELEMENT cancel-invalid (#PCDATA)>

<!ELEMENT cancel-valid (#PCDATA)>

<!ELEMENT cause-cost-warning (#PCDATA)>

<!ELEMENT cause-credit-expiry (#PCDATA)>

<!ELEMENT cause-default (#PCDATA)>

<!ELEMENT cause-not-allowed (#PCDATA)>

<!ELEMENT cause-quality-of-service (#PCDATA)>

<!ELEMENT cause-roaming (#PCDATA)>
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<!ELEMENT cause-time-of-day (#PCDATA)>
<!ELEMENT cause-unknown (#PCDATA)>
<!ELEMENT cause-unsubscribed (#PCDATA)>
<!ELEMENT cause-volume-expired (#PCDATA)>
<!ELEMENT child-fflow-dst-ip (#PCDATA)>
<!ELEMENT child-fflow-dst-port (#PCDATA)>
<!ELEMENT child-fflow-src-ip (#PCDATA)>
<!ELEMENT child-fflow-src-port (#PCDATA)>
<!ELEMENT child-flow-protocol (#PCDATA)>
<!ELEMENT child-rflow-dst-ip (#PCDATA)>
<!ELEMENT child-rflow-dst-port (#PCDATA)>
<!ELEMENT child-rflow-src-ip (#PCDATA)>
<!ELEMENT child-rflow-src-port (#PCDATA)>
<!ELEMENT child-sess-id (#PCDATA)>
<!ELEMENT cleanup-timeout (#PCDATA)>
<!ELEMENT clear-nat-statistics-status (#PCDATA)>
<!ELEMENT clear-service-bsg-registrations-statistics (#PCDATA)>
<!ELEMENT clear-services-bsg-registrations-subscription
(clear-services-bsg-registrations-subscription-result)*>
<!ELEMENT clear-services-bsg-registrations-subscription-result (#PCDATA)>
<!ELEMENT client-name (#PCDATA)>
<!ELEMENT client-state (#PCDATA)>
<!ELEMENT clients-active (#PCDATA)>
<!ELEMENT command-name (#PCDATA)>
<!ELEMENT commands-error (#PCDATA)>
<!ELEMENT commands-success (#PCDATA)>
<!ELEMENT commands-total (#PCDATA)>
<!ELEMENT commands-wildcard (#PCDATA)>
<!ELEMENT compute-rx-bytes (#PCDATA)>
<!ELEMENT compute-rx-flows (#PCDATA)>
<!ELEMENT compute-rx-pkts (#PCDATA)>
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<!ELEMENT compute-tx-bytes (#PCDATA)>

<!ELEMENT compute-tx-flows (#PCDATA)>

<!ELEMENT compute-tx-pkts (#PCDATA)>

<!ELEMENT connection-status (#PCDATA)>

<!ELEMENT content-errors (#PCDATA)>

<!ELEMENT contexts-number (#PCDATA)>

<!ELEMENT control-rx-bytes (#PCDATA)>

<!ELEMENT control-rx-flows (#PCDATA)>

<!ELEMENT control-rx-pkts (#PCDATA)>

<!ELEMENT control-tx-bytes (#PCDATA)>

<!ELEMENT control-tx-flows (#PCDATA)>

<!ELEMENT control-tx-pkts (#PCDATA)>

<!ELEMENT controller-entry (controller-name | remote-ip-address | remote-port)*>

<!ELEMENT controller-name (#PCDATA)>

<!ELEMENT conversations-removed (#PCDATA)>

<!ELEMENT cos-stats-service-set-dscp-entry (received-dscp |
total-received-dscp-packets | total-marked-dscp-packets)*>

<!ELEMENT cos-stats-service-set-dscp-information
(cos-stats-service-set-dscp-entry)*>

<!ELEMENT cos-stats-service-set-forwarding-class-entry (received-forwarding-class
| total-received-forwarding-class-packets |
total-assigned-forwarding-class-packets)*>

<!ELEMENT cos-stats-service-set-forwarding-class-information
(cos-stats-service-set-forwarding-class-entry)*>

<!ELEMENT cpu-name (#PCDATA)>

<!ELEMENT cpu-role-name (#PCDATA)>

<!ELEMENT cpu-utilization-percent (#PCDATA)>

<!ELEMENT cpulimit-drops (#PCDATA)>

<!ELEMENT crtp-compressed-rx (#PCDATA)>

<!ELEMENT crtp-compressed-tx (#PCDATA)>

<!ELEMENT crtp-compression-ratio (#PCDATA)>

<!ELEMENT crtp-config-info-entry (interface-name | crtp-port-min | crtp-port-max
| crtp-tcp-space | crtp-udp-space | crtp-max-period | crtp-max-time |
crtp-rtp-queues)*>
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<!ELEMENT crtp-counter-name (#PCDATA)>

<!ELEMENT crtp-counter-received (#PCDATA)>

<!ELEMENT crtp-counter-table (crtp-counter-name | crtp-counter-received |
crtp-counter-transmit)*>

<!ELEMENT crtp-counter-transmit (#PCDATA)>

<!ELEMENT crtp-decompression-ratio (#PCDATA)>

<!ELEMENT crtp-discards (#PCDATA)>

<!ELEMENT crtp-flow-context-id (#PCDATA)>

<!ELEMENT crtp-flow-destination-info (#PCDATA)>

<!ELEMENT crtp-flow-entry (crtp-flow-context-id | crtp-flow-rtp-id |
crtp-flow-source-info | crtp-flow-destination-info | crtp-flow-type)*>

<!ELEMENT crtp-flow-rtp-id (#PCDATA)>

<!ELEMENT crtp-flow-source-info (#PCDATA)>

<!ELEMENT crtp-flow-type (#PCDATA)>

<!ELEMENT crtp-ip-counter-name (#PCDATA)>

<!ELEMENT crtp-ip-counter-received (#PCDATA)>

<!ELEMENT crtp-ip-counter-table (crtp-ip-counter-name | crtp-ip-counter-received
| crtp-ip-counter-transmit)*>

<!ELEMENT crtp-ip-counter-transmit (#PCDATA)>

<!ELEMENT crtp-max-period (#PCDATA)>

<!ELEMENT crtp-max-time (#PCDATA)>

<!ELEMENT crtp-per-interface-flow-table (interface-name |
service-crtp-flow-table)*>

<!ELEMENT crtp-port-max (#PCDATA)>

<!ELEMENT crtp-port-min (#PCDATA)>

<!ELEMENT crtp-rtp-queues (#PCDATA)>

<!ELEMENT crtp-sessions-rx (#PCDATA)>

<!ELEMENT crtp-sessions-tx (#PCDATA)>

<!ELEMENT crtp-stats-entry (crtp-compression-ratio | crtp-decompression-ratio |
crtp-sessions-rx | crtp-sessions-tx | crtp-compressed-rx | crtp-compressed-tx |
crtp-discards)*>

<!ELEMENT crtp-tcp-space (#PCDATA)>

<!ELEMENT crtp-udp-space (#PCDATA)>
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<!ELEMENT cul-mov-avg-http-flow-lifetime (#PCDATA)>
<!ELEMENT database-name (#PCDATA)>
<!ELEMENT database-size (#PCDATA)>
<!ELEMENT dce-rpc-call-mismatch (#PCDATA)>
<!ELEMENT dce-rpc-drop-pkts (#PCDATA)>
<!ELEMENT dce-rpc-fail-reply (#PCDATA)>
<!ELEMENT dce-rpc-fragment-pkts (#PCDATA)>
<!ELEMENT dce-rpc-id-mismatch (#PCDATA)>
<!ELEMENT dce-rpc-lookup-reply (#PCDATA)>
<!ELEMENT dce-rpc-lookup-request (#PCDATA)>
<!ELEMENT dce-rpc-map-reply (#PCDATA)>
<!ELEMENT dce-rpc-map-request (#PCDATA)>
<!ELEMENT dce-rpc-non-epm3 (#PCDATA)>
<!ELEMENT dce-rpc-queue-pkts (#PCDATA)>
<!ELEMENT dce-rpc-released-pkts (#PCDATA)>
<!ELEMENT dce-rpc-type-mismatch (#PCDATA)>
<!ELEMENT dce-rpc-wrong-header (#PCDATA)>
<!ELEMENT debug-applicationq-latency-information (#PCDATA)>
<!ELEMENT debug-applicationq-size-information (#PCDATA)>
<!ELEMENT debug-commit-latency-information (#PCDATA)>
<!ELEMENT debug-mem-mgmt-location-information (#PCDATA)>
<!ELEMENT debug-mem-mgmt-memory-usage-information (#PCDATA)>
<!ELEMENT debug-mem-mgmt-type-information (#PCDATA)>
<!ELEMENT debug-resumeq-latency-information (#PCDATA)>
<!ELEMENT debug-resumeq-size-information (#PCDATA)>
<!ELEMENT debug-roundtrip-information (#PCDATA)>
<!ELEMENT debug-waitq-latency-information (#PCDATA)>
<!ELEMENT debug-waitq-size-information (#PCDATA)>
<!ELEMENT debug-workq-latency-information (#PCDATA)>
<!ELEMENT debug-workq-size-information (#PCDATA)>
<!ELEMENT decap-packet-not-ipv4 (#PCDATA)>
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<!ELEMENT decap-packet-not-ipv6 (#PCDATA)>
<!ELEMENT default (#PCDATA)>
<!ELEMENT destination-routing-instance (#PCDATA)>
<!ELEMENT detect (#PCDATA)>
<!ELEMENT dns-invalid-pkts (#PCDATA)>
<!ELEMENT dns-oversize-pkts (#PCDATA)>
<!ELEMENT dns-reply-pkts (#PCDATA)>
<!ELEMENT drop (#PCDATA)>
<!ELEMENT drop-bytes-algs (#PCDATA)>
<!ELEMENT drop-bytes-flow-drop-state (#PCDATA)>
<!ELEMENT drop-bytes-flow-rate-limit (#PCDATA)>
<!ELEMENT drop-bytes-other (#PCDATA)>
<!ELEMENT drop-packets-algs (#PCDATA)>
<!ELEMENT drop-packets-flow-drop-state (#PCDATA)>
<!ELEMENT drop-packets-flow-rate-limit (#PCDATA)>
<!ELEMENT drop-packets-other (#PCDATA)>
<!ELEMENT drop_counters (ip-option | syn-defense | nat-ports-exhausted)*>
<!ELEMENT ds-lite-software-count (#PCDATA)>
<!ELEMENT dscp (#PCDATA)>
<!ELEMENT dst-ip-high (#PCDATA)>
<!ELEMENT dst-ip-low (#PCDATA)>
<!ELEMENT dst-port-high (#PCDATA)>
<!ELEMENT dst-port-low (#PCDATA)>
<!ELEMENT duration-end (#PCDATA)>
<!ELEMENT duration-start (#PCDATA)>
<!ELEMENT effective-pba-port-range (#PCDATA)>
<!ELEMENT effective-port-blocks (#PCDATA)>
<!ELEMENT effective-ports (#PCDATA)>
<!ELEMENT emergency-contexts-number (#PCDATA)>
<!ELEMENT end-system-delay (#PCDATA)>
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<!ELEMENT error-counters (ip-errors | tcp-errors | udp-errors | icmp-errors |
non-ip-packets | alg-errors)*>

<!ELEMENT errored-bytes (#PCDATA)>

<!ELEMENT errored-packets (#PCDATA)>

<!ELEMENT errored-packets-http-transaction-in-error (#PCDATA)>

<!ELEMENT errored-packets-tcp-malformed (#PCDATA)>

<!ELEMENT errored-packets-wap-invalid-transaction (#PCDATA)>

<!ELEMENT errored-packets-wap-transaction-in-error (#PCDATA)>

<!ELEMENT estimated-moscq (#PCDATA)>

<!ELEMENT estimated-moslq (#PCDATA)>

<!ELEMENT existing-flow-accepts (#PCDATA)>

<!ELEMENT existing-flow-counters (existing-flow-accepts | existing-flow-discards
| existing-flow-rejects)*>

<!ELEMENT existing-flow-discards (#PCDATA)>

<!ELEMENT existing-flow-rejects (#PCDATA)>

<!ELEMENT extended-num-of-dirty-flows (#PCDATA)>

<!ELEMENT external-r-factor (#PCDATA)>

<!ELEMENT fast-path (#PCDATA)>

<!ELEMENT fast-path-encap (#PCDATA)>

<!ELEMENT fast-path-ipv6-next-header-offset (#PCDATA)>

<!ELEMENT fast-update-filters-entry (max-terms | max-term-percentage)*>

<!ELEMENT firewall-entry (connection-status | number-of-terms |
number-of-filters)*>

<!ELEMENT five-second-usage (#PCDATA)>

<!ELEMENT flow (#PCDATA)>

<!ELEMENT flow-analysis-num-flows-sec-entry (flow-operation |
num-flows-sec-50000-plus | num-flows-sec-40000-50000 | num-flows-sec-30000-40000
| num-flows-sec-20000-30000 | num-flows-sec-10000-20000 | num-flows-sec-1000-10000
| num-flows-sec-1000-minus)*>

<!ELEMENT flow-analysis-num-flows-sec-samples-entry (num-flows-sec-samples)*>

<!ELEMENT flow-analysis-protocol-lifetime-entry (flow-lifetime-240s-plus |
udp-flow-lifetime-240s-plus | http-flow-lifetime-240s-plus |
flow-lifetime-120s-240s | udp-flow-lifetime-120s-240s | flow-lifetime-60s-120s |
udp-flow-lifetime-60s-120s | flow-lifetime-30s-60s | udp-flow-lifetime-30s-60s
| flow-lifetime-15s-30s | udp-flow-lifetime-15s-30s | flow-lifetime-5s-15s |
udp-flow-lifetime-5s-15s | flow-lifetime-1s-5s | udp-flow-lifetime-1s-5s |
flow-lifetime-1s-minus | udp-flow-lifetime-1s-minus)*>
```

```

<!ELEMENT flow-analysis-statistics-entry (num-total-flows-active |
num-total-tcp-flows-active | num-total-udp-flows-active |
num-total-other-flows-active | num-created-flows-per-sec |
num-deleted-flows-per-sec | peak-total-flows-active | peak-total-tcp-flows-active
| peak-total-udp-flows-active | peak-total-other-flows-active |
peak-created-flows-per-second | peak-deleted-flows-per-second |
cul-mov-avg-http-flow-lifetime | pkts-received | pkts-transmitted |
slow-path-forward | slow-path-discard)*>

<!ELEMENT flow-analysis-statistics-pic-info (pic-name)*>

<!ELEMENT flow-byte-errored (#PCDATA)>

<!ELEMENT flow-bytes-processed (#PCDATA)>

<!ELEMENT flow-count (#PCDATA)>

<!ELEMENT flow-created (#PCDATA)>

<!ELEMENT flow-creation-failed (#PCDATA)>

<!ELEMENT flow-creation-failed-retry (#PCDATA)>

<!ELEMENT flow-freed (#PCDATA)>

<!ELEMENT flow-freed-idle (#PCDATA)>

<!ELEMENT flow-gate-pdr (#PCDATA)>

<!ELEMENT flow-gate-pdr-mbs (#PCDATA)>

<!ELEMENT flow-gate-sdr (#PCDATA)>

<!ELEMENT flow-gate-sdr-mbs (#PCDATA)>

<!ELEMENT flow-gate-tman-policing (#PCDATA)>

<!ELEMENT flow-icmp-bytes-errored (#PCDATA)>

<!ELEMENT flow-icmp-bytes-processed (#PCDATA)>

<!ELEMENT flow-icmp-packets-errored (#PCDATA)>

<!ELEMENT flow-icmp-packets-errored-bad-flow (#PCDATA)>

<!ELEMENT flow-icmp-packets-processed (#PCDATA)>

<!ELEMENT flow-lifetime-120s-240s (#PCDATA)>

<!ELEMENT flow-lifetime-15s-30s (#PCDATA)>

<!ELEMENT flow-lifetime-1s-5s (#PCDATA)>

<!ELEMENT flow-lifetime-1s-minus (#PCDATA)>

<!ELEMENT flow-lifetime-240s-plus (#PCDATA)>

<!ELEMENT flow-lifetime-30s-60s (#PCDATA)>

<!ELEMENT flow-lifetime-5s-15s (#PCDATA)>

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<!--ELEMENT flow-lifetime-60s-120s (#PCDATA)-->

<!--ELEMENT flow-limit-exceeded (#PCDATA)-->

<!--ELEMENT flow-operation (#PCDATA)-->

<!--ELEMENT flow-packets-errored (#PCDATA)-->

<!--ELEMENT flow-packets-processed (#PCDATA)-->

<!--ELEMENT flow-peak (#PCDATA)-->

<!--ELEMENT flow-replication-status (#PCDATA)-->

<!--ELEMENT flow-table-statistics (interface-name | flow-tables | flow | flow-peak
| flow-tcp | flow-tcp-peak | flow-udp | flow-udp-peak | flow-created | flow-freed
| flow-freed-idle | flow-tcp-created | flow-tcp-freed | flow-tcp-freed-idle |
flow-udp-created | flow-udp-freed | flow-udp-freed-idle | flow-packets-processed
| flow-packets-errored | flow-bytes-processed | flow-byte-errored |
flow-tcp-packets-processed | flow-tcp-packets-errored |
flow-tcp-packets-errored-bad-flow | flow-tcp-bytes-processed |
flow-tcp-bytes-errored | flow-udp-packets-processed | flow-udp-packets-errored |
flow-udp-packets-errored-bad-flow | flow-udp-bytes-processed |
flow-udp-bytes-errored | flow-icmp-packets-processed | flow-icmp-packets-errored
| flow-icmp-packets-errored-bad-flow | flow-icmp-bytes-processed |
flow-icmp-bytes-errored)*-->

<!--ELEMENT flow-table-statistics-information (flow-table-statistics)*-->

<!--ELEMENT flow-tables (#PCDATA)-->

<!--ELEMENT flow-tcp (#PCDATA)-->

<!--ELEMENT flow-tcp-bytes-errored (#PCDATA)-->

<!--ELEMENT flow-tcp-bytes-processed (#PCDATA)-->

<!--ELEMENT flow-tcp-created (#PCDATA)-->

<!--ELEMENT flow-tcp-freed (#PCDATA)-->

<!--ELEMENT flow-tcp-freed-idle (#PCDATA)-->

<!--ELEMENT flow-tcp-packets-errored (#PCDATA)-->

<!--ELEMENT flow-tcp-packets-errored-bad-flow (#PCDATA)-->

<!--ELEMENT flow-tcp-packets-processed (#PCDATA)-->

<!--ELEMENT flow-tcp-peak (#PCDATA)-->

<!--ELEMENT flow-udp (#PCDATA)-->

<!--ELEMENT flow-udp-bytes-errored (#PCDATA)-->

<!--ELEMENT flow-udp-bytes-processed (#PCDATA)-->

<!--ELEMENT flow-udp-created (#PCDATA)-->

<!--ELEMENT flow-udp-freed (#PCDATA)-->
```

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<!ELEMENT flow-udp-freed-idle (#PCDATA)>
<!ELEMENT flow-udp-packets-errored (#PCDATA)>
<!ELEMENT flow-udp-packets-errored-bad-flow (#PCDATA)>
<!ELEMENT flow-udp-packets-processed (#PCDATA)>
<!ELEMENT flow-udp-peak (#PCDATA)>
<!ELEMENT flowlimit-drops (#PCDATA)>
<!ELEMENT flows-created (#PCDATA)>
<!ELEMENT flows-deleted (#PCDATA)>
<!ELEMENT flows-removed (#PCDATA)>
<!ELEMENT fragment-output (#PCDATA)>
<!ELEMENT fragment-overlap (#PCDATA)>
<!ELEMENT fragment-reassembly-timeout (#PCDATA)>
<!ELEMENT fragmentation (#PCDATA)>
<!ELEMENT fragmenter-entries (fragmenter-entry)*>
<!ELEMENT fragmenter-entry (cpu-name | idle | timer | system | freeback | drop |
fragmentation | reassembly)*>
<!ELEMENT free-frame (#PCDATA)>
<!ELEMENT freeback (#PCDATA)>
<!ELEMENT ftp-drop-pkts (#PCDATA)>
<!ELEMENT ftp-parse-fail-pkts (#PCDATA)>
<!ELEMENT ftp-translated-pkts (#PCDATA)>
<!ELEMENT gap-duration (#PCDATA)>
<!ELEMENT gap-loss-density (#PCDATA)>
<!ELEMENT gate-action (#PCDATA)>
<!ELEMENT gate-count (#PCDATA)>
<!ELEMENT gate-direction (#PCDATA)>
<!ELEMENT gate-dropped-packets (#PCDATA)>
<!ELEMENT gate-dscp (#PCDATA)>
<!ELEMENT gate-fractional-lost-rtp-packets (#PCDATA)>
<!ELEMENT gate-fuf-policer-drop-count (#PCDATA)>
<!ELEMENT gate-fuf-policing (#PCDATA)>
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<!ELEMENT gate-fuf-statistics-information (gate-fuf-policer-drop-count)*>

<!ELEMENT gate-green-action (#PCDATA)>

<!ELEMENT gate-id (#PCDATA)>

<!ELEMENT gate-input-packets (#PCDATA)>

<!ELEMENT gate-latch (#PCDATA)>

<!ELEMENT gate-local-destination-address (#PCDATA)>

<!ELEMENT gate-local-destination-port (#PCDATA)>

<!ELEMENT gate-local-source-address (#PCDATA)>

<!ELEMENT gate-local-source-port (#PCDATA)>

<!ELEMENT gate-lost-rtp-packets (#PCDATA)>

<!ELEMENT gate-mbs (#PCDATA)>

<!ELEMENT gate-measured-rate (#PCDATA)>

<!ELEMENT gate-mirroring-correlation-number (#PCDATA)>

<!ELEMENT gate-mirroring-direction (#PCDATA)>

<!ELEMENT gate-mirroring-state (#PCDATA)>

<!ELEMENT gate-mirroring-target-id (#PCDATA)>

<!ELEMENT gate-output-packets (#PCDATA)>

<!ELEMENT gate-pdr (#PCDATA)>

<!ELEMENT gate-red-action (#PCDATA)>

<!ELEMENT gate-remote-destination-address (#PCDATA)>

<!ELEMENT gate-remote-destination-port (#PCDATA)>

<!ELEMENT gate-remote-source-address (#PCDATA)>

<!ELEMENT gate-remote-source-port (#PCDATA)>

<!ELEMENT gate-rtcp-extended-burst-metrics-report (minimum-gap-threshold |
burst-loss-density | burst-duration | gap-loss-density | gap-duration)*>

<!ELEMENT gate-rtcp-extended-information (gate-rtcp-extended-report |
gate-rtcp-extended-burst-metrics-report)*>

<!ELEMENT gate-rtcp-extended-report (rtcp-xr-ssrc | packet-loss-concealment-type
| network-packet-loss-rate | jitter-buffer-discard-rate | rtcp-round-trip-delay
| end-system-delay | signal-level | noise-level | residual-echo-return-loss |
r-factor | external-r-factor | estimated-mos1q | estimated-moscq)*>

<!ELEMENT gate-rtcp-information (gate-rtcp-sender-information |
gate-rtcp-receiver-information | gate-rtcp-extended-information)*>
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<!ELEMENT gate-rtcp-invalid-pkts (#PCDATA)>

<!ELEMENT gate-rtcp-received-ssrc (#PCDATA)>

<!ELEMENT gate-rtcp-receiver-entry (gate-rtcp-received-ssrc |
gate-rtcp-receiver-lost-pkts | gate-rtcp-receiver-lost-pkt-fraction |
gate-rtcp-receiver-jitter)*>

<!ELEMENT gate-rtcp-receiver-information (gate-rtcp-receiver-entry)*>

<!ELEMENT gate-rtcp-receiver-jitter (#PCDATA)>

<!ELEMENT gate-rtcp-receiver-lost-pkt-fraction (#PCDATA)>

<!ELEMENT gate-rtcp-receiver-lost-pkts (#PCDATA)>

<!ELEMENT gate-rtcp-sender-information (gate-rtcp-sender-ssrc |
gate-rtcp-sender-octets | gate-rtcp-sender-pkts | gate-rtcp-invalid-pkts)*>

<!ELEMENT gate-rtcp-sender-octets (#PCDATA)>

<!ELEMENT gate-rtcp-sender-pkts (#PCDATA)>

<!ELEMENT gate-rtcp-sender-ssrc (#PCDATA)>

<!ELEMENT gate-rtcp-shadow (#PCDATA)>

<!ELEMENT gate-sdr (#PCDATA)>

<!ELEMENT gate-service-set-id (#PCDATA)>

<!ELEMENT gate-srtcp-auth-fail-octets (#PCDATA)>

<!ELEMENT gate-srtcp-auth-fail-packets (#PCDATA)>

<!ELEMENT gate-srtcp-bad-packet-packets (#PCDATA)>

<!ELEMENT gate-srtcp-ctx-lookup-fail-packets (#PCDATA)>

<!ELEMENT gate-srtcp-decrypt-octets (#PCDATA)>

<!ELEMENT gate-srtcp-decrypt-packets (#PCDATA)>

<!ELEMENT gate-srtcp-encrypt-octets (#PCDATA)>

<!ELEMENT gate-srtcp-encrypt-packets (#PCDATA)>

<!ELEMENT gate-srtcp-pkt-setup-fail-packets (#PCDATA)>

<!ELEMENT gate-srtcp-replayed-packets (#PCDATA)>

<!ELEMENT gate-srtcp-stats-information (gate-srtcp-encrypt-packets |
gate-srtcp-encrypt-octets | gate-srtcp-decrypt-packets | gate-srtcp-decrypt-octets
| gate-srtcp-auth-fail-packets | gate-srtcp-auth-fail-octets |
gate-srtcp-bad-packet-packets | gate-srtcp-replayed-packets |
gate-srtcp-ctx-lookup-fail-packets | gate-srtcp-pkt-setup-fail-packets)*>

<!ELEMENT gate-srtcp-auth-fail-octets (#PCDATA)>

<!ELEMENT gate-srtcp-auth-fail-packets (#PCDATA)>

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<!ELEMENT gate-srtp-bad-packet-packets (#PCDATA)>

<!ELEMENT gate-srtp-ctx-lookup-fail-packets (#PCDATA)>

<!ELEMENT gate-srtp-decrypt-octets (#PCDATA)>

<!ELEMENT gate-srtp-decrypt-packets (#PCDATA)>

<!ELEMENT gate-srtp-encrypt-octets (#PCDATA)>

<!ELEMENT gate-srtp-encrypt-packets (#PCDATA)>

<!ELEMENT gate-srtp-pkt-setup-fail-packets (#PCDATA)>

<!ELEMENT gate-srtp-replayed-packets (#PCDATA)>

<!ELEMENT gate-srtp-stats-information (gate-srtp-encrypt-packets |
gate-srtp-encrypt-octets | gate-srtp-decrypt-packets | gate-srtp-decrypt-octets
| gate-srtp-auth-fail-packets | gate-srtp-auth-fail-octets |
gate-srtp-bad-packet-packets | gate-srtp-replayed-packets |
gate-srtp-ctx-lookup-fail-packets | gate-srtp-pkt-setup-fail-packets)*>

<!ELEMENT gate-state (#PCDATA)>

<!ELEMENT gate-tman-policing (#PCDATA)>

<!ELEMENT gate-transport (#PCDATA)>

<!ELEMENT gate-yellow-action (#PCDATA)>

<!ELEMENT gateway-collections-number (#PCDATA)>

<!ELEMENT gateway-entry (gateway-name | local-ip-address | gateway-vrf | local-port
| platform | service-state | active-controller | replication-socket |
synchronization-state | up-time | load-status | cleanup-timeout |
maximum-concurrent-calls | inactivity-timeout-delay | inactivity-timeout-duration
| latch-deadlock-duration | h248-timers-entry | base-root-entry |
h248-options-entry | h248-segmentation-properties-entry | h248-diffserv-entry |
h248-notification-behavior-entry | h248-application-data-inactivity-detection-entry
| h248-event-timestamp-notification-entry | inactivity-timer-entry |
fast-update-filters-entry | controller-entry | overload-control-entry)*>

<!ELEMENT gateway-name (#PCDATA)>

<!ELEMENT gateway-vrf (#PCDATA)>

<!ELEMENT group-id (#PCDATA)>

<!ELEMENT group-is-active (#PCDATA)>

<!ELEMENT group-state (#PCDATA)>

<!ELEMENT group-timeout (#PCDATA)>

<!ELEMENT groups-active (#PCDATA)>

<!ELEMENT h248-application-data-inactivity-detection-entry
(ip-flow-stop-detection)*>

<!ELEMENT h248-diffserv-entry (dscp)*>
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<!ELEMENT h248-event-timestamp-notification-entry (requested-timestamp)*>

<!ELEMENT h248-notification-behavior-entry (notification-regulation)*>

<!ELEMENT h248-options-entry (wildcard-response-service-change |
audit-observed-events-returns-history | h248-profile)*>

<!ELEMENT h248-profile (#PCDATA)>

<!ELEMENT h248-segmentation-properties-entry (sgp_name | sgp_minimum | sgp_maximum
| sgp_default)*>

<!ELEMENT h248-timers-entry (maximum-waiting-delay | tmax-retransmission-delay |
initial-average-ack-delay | maximum-net-propagation-delay)*>

<!ELEMENT header-examination-bytes (#PCDATA)>

<!ELEMENT header-examination-failed-configuration (#PCDATA)>

<!ELEMENT header-examination-flow (#PCDATA)>

<!ELEMENT header-examination-flow-matched (#PCDATA)>

<!ELEMENT header-examination-http-protocol-required (#PCDATA)>

<!ELEMENT header-examination-packets (#PCDATA)>

<!ELEMENT header-examination-protocol-required (#PCDATA)>

<!ELEMENT header-examination-wap-protocol-required (#PCDATA)>

<!ELEMENT header-redirect-set-name (#PCDATA)>

<!ELEMENT header-redirect-set-statistics (header-redirect-set-name | cause-roaming
| cause-time-of-day | cause-quality-of-service | cause-volume-expired |
cause-cost-warning | cause-not-allowed | cause-unsubscribed | cause-credit-expiry
| cause-unknown | cause-default)*>

<!ELEMENT header-redirect-set-statistics-information (interface-name | interfaces
| header-redirect-set-statistics)*>

<!ELEMENT http-flow-lifetime-240s-plus (#PCDATA)>

<!ELEMENT http-transaction-created (#PCDATA)>

<!ELEMENT http-transaction-freed (#PCDATA)>

<!ELEMENT http-transaction-idle-freed (#PCDATA)>

<!ELEMENT http-transaction-maximum (#PCDATA)>

<!ELEMENT icmp-error-counters (icmp-length-error | icmp-error-length-error |
ping-duplicate-sequence-number | ping-mismatched-sequence-number |
icmp-error-no-matching-flow)*>

<!ELEMENT icmp-error-length-error (#PCDATA)>

<!ELEMENT icmp-error-no-matching-flow (#PCDATA)>

<!ELEMENT icmp-errors (#PCDATA)>

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<!ELEMENT icmp-length-error (#PCDATA)>

<!ELEMENT icmpv4-dropped-packets (#PCDATA)>

<!ELEMENT id (#PCDATA)>

<!ELEMENT idle (#PCDATA)>

<!ELEMENT ids-anomalies-count (#PCDATA)>

<!ELEMENT ids-anomaly-count (#PCDATA)>

<!ELEMENT ids-anomaly-description (#PCDATA)>

<!ELEMENT ids-anomaly-elapsed (#PCDATA)>

<!ELEMENT ids-anomaly-entry (ids-anomaly-description | ids-anomaly-count |
ids-anomaly-rate | ids-anomaly-elapsed)*>

<!ELEMENT ids-anomaly-rate (#PCDATA)>

<!ELEMENT ids-bytes-count (#PCDATA)>

<!ELEMENT ids-flow-application (#PCDATA)>

<!ELEMENT ids-flow-count (#PCDATA)>

<!ELEMENT ids-flow-destination-ip (#PCDATA)>

<!ELEMENT ids-flow-entry (ids-flow-source-ip | ids-flow-destination-ip |
ids-flow-time | ids-flow-flags | ids-flow-long-flags | ids-flow-count |
ids-flow-application | ids-bytes-count | ids-packets-count | ids-flows-count |
ids-anomalies-count | ids-anomaly-entry)*>
<ATTLIST ids-flow-entry junos:style CDATA #IMPLIED>

<!ELEMENT ids-flow-flags (#PCDATA)>

<!ELEMENT ids-flow-long-flags (#PCDATA)>

<!ELEMENT ids-flow-source-ip (#PCDATA)>

<!ELEMENT ids-flow-table (ids-flow-entry)*>
<ATTLIST ids-flow-table heading CDATA #IMPLIED>

<!ELEMENT ids-flow-time (#PCDATA)>

<!ELEMENT ids-flows-count (#PCDATA)>

<!ELEMENT ids-packets-count (#PCDATA)>

<!ELEMENT ids-per-service-set-flow-table (service-set-name | interface-name |
ids-sort-order | ids-flow-table)*>

<!ELEMENT ids-show-summary (interface-name | ids-total-entries |
ids-total-failed-insertions | ids-total-events)*>

<!ELEMENT ids-sort-order (#PCDATA)>

<!ELEMENT ids-total-entries (#PCDATA)>

<!ELEMENT ids-total-events (#PCDATA)>
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<!ELEMENT ids-total-failed-insertions (#PCDATA)>

<!ELEMENT illegal-destination-address (#PCDATA)>

<!ELEMENT illegal-fragment-length (#PCDATA)>

<!ELEMENT illegal-ip-protocol (#PCDATA)>

<!ELEMENT illegal-sequence-number-flags (#PCDATA)>

<!ELEMENT illegal-source-address (#PCDATA)>

<!ELEMENT inactivity-timeout-delay (#PCDATA)>

<!ELEMENT inactivity-timeout-duration (#PCDATA)>

<!ELEMENT inactivity-timer-entry (detect | maximum-inactivity-time)*>

<!ELEMENT info-invalid (#PCDATA)>

<!ELEMENT info-valid (#PCDATA)>

<!ELEMENT initial-average-ack-delay (#PCDATA)>

<!ELEMENT inline-nat-statistics-entry (srv-pic-name | si-nat-slow-path-pkts-rcvd
 | si-nat-slow-path-pkts-dropped)*>

<!ELEMENT inline-nat-statistics-information (inline-nat-statistics-entry)*>
<!-- ATTENTION: inline-nat-statistics-information junos:style CDATA #IMPLIED -->

<!ELEMENT input (#PCDATA)>

<!ELEMENT input-1 (#PCDATA)>

<!ELEMENT input-2 (#PCDATA)>

<!ELEMENT input-fragments (#PCDATA)>

<!ELEMENT input-lfi (#PCDATA)>

<!ELEMENT interface-name (#PCDATA)>

<!ELEMENT interfaces (#PCDATA)>

<!ELEMENT invite-new (#PCDATA)>

<!ELEMENT invite-retransmits (#PCDATA)>

<!ELEMENT ip-error-counters (ip-length-error | ip-header-length-error | long-packet
 | illegal-source-address | illegal-destination-address | ttl-zero |
 illegal-ip-protocol | land-attack | non-ipv4 | bad-checksum |
 illegal-fragment-length | fragment-overlap | fragment-reassembly-timeout |
 unknown)*>

<!ELEMENT ip-errors (#PCDATA)>

<!ELEMENT ip-flow-stop-detection (#PCDATA)>

<!ELEMENT ip-header-length-error (#PCDATA)>

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<!ELEMENT ip-length-error (#PCDATA)>

<!ELEMENT ip-option (#PCDATA)>

<!ELEMENT ipv6-fragmentation-error (#PCDATA)>

<!ELEMENT ipv6-packets-fragmented (#PCDATA)>

<!ELEMENT jitter-buffer-discard-rate (#PCDATA)>

<!ELEMENT l2tp-calling-number-avp (#PCDATA)>

<!ELEMENT l2tp-control-memory-bytes (#PCDATA)>

<!ELEMENT l2tp-control-rx-bytes (#PCDATA)>

<!ELEMENT l2tp-control-rx-packets (#PCDATA)>

<!ELEMENT l2tp-control-tx-bytes (#PCDATA)>

<!ELEMENT l2tp-control-tx-packets (#PCDATA)>

<!ELEMENT l2tp-create-time (#PCDATA)>

<!ELEMENT l2tp-data-memory-bytes (#PCDATA)>

<!ELEMENT l2tp-data-rx-bytes (#PCDATA)>

<!ELEMENT l2tp-data-rx-packets (#PCDATA)>

<!ELEMENT l2tp-data-tx-bytes (#PCDATA)>

<!ELEMENT l2tp-data-tx-packets (#PCDATA)>

<!ELEMENT l2tp-destination-clear-entry (l2tp-destination-local-name)*>
<ATTLIST l2tp-destination-clear-entry junos:style CDATA #IMPLIED>

<!ELEMENT l2tp-destination-entry (l2tp-destination-local-name |
l2tp-destination-remote-ip | l2tp-destination-state | l2tp-destination-tunnel-count
| l2tp-destination-tunnel-total | l2tp-destination-tunnel-active |
l2tp-destination-tunnel-failed | l2tp-destination-session-count |
l2tp-destination-session-total | l2tp-destination-session-active |
l2tp-destination-session-failed | l2tp-destination-local-ip |
l2tp-destination-maximum-tunnels | l2tp-destination-transport |
l2tp-destination-router-instance | l2tp-destination-logical-system |
l2tp-destination-lockout-state)*>
<ATTLIST l2tp-destination-entry junos:style CDATA #IMPLIED>

<!ELEMENT l2tp-destination-local-ip (#PCDATA)>

<!ELEMENT l2tp-destination-local-name (#PCDATA)>

<!ELEMENT l2tp-destination-lockout-state (#PCDATA)>

<!ELEMENT l2tp-destination-logical-system (#PCDATA)>

<!ELEMENT l2tp-destination-maximum-tunnels (#PCDATA)>

<!ELEMENT l2tp-destination-remote-ip (#PCDATA)>

<!ELEMENT l2tp-destination-router-instance (#PCDATA)>
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<!ELEMENT l2tp-destination-session-active (#PCDATA)>
<!ELEMENT l2tp-destination-session-count (#PCDATA)>
<!ELEMENT l2tp-destination-session-failed (#PCDATA)>
<!ELEMENT l2tp-destination-session-total (#PCDATA)>
<!ELEMENT l2tp-destination-state (#PCDATA)>
<!ELEMENT l2tp-destination-table (l2tp-destination-entry)*>
<!--ATTLIST l2tp-destination-table heading CDATA #IMPLIED-->
<!ELEMENT l2tp-destination-transport (#PCDATA)>
<!ELEMENT l2tp-destination-tunnel-active (#PCDATA)>
<!ELEMENT l2tp-destination-tunnel-count (#PCDATA)>
<!ELEMENT l2tp-destination-tunnel-failed (#PCDATA)>
<!ELEMENT l2tp-destination-tunnel-total (#PCDATA)>
<!ELEMENT l2tp-destinations (#PCDATA)>
<!ELEMENT l2tp-error-rx-packets (#PCDATA)>
<!ELEMENT l2tp-error-tx-packets (#PCDATA)>
<!ELEMENT l2tp-failover-preference-level (#PCDATA)>
<!ELEMENT l2tp-failover-protocol (#PCDATA)>
<!ELEMENT l2tp-idle-time (#PCDATA)>
<!ELEMENT l2tp-interface-control-rx-packets (#PCDATA)>
<!ELEMENT l2tp-interface-control-tx-packets (#PCDATA)>
<!ELEMENT l2tp-interface-data-rx-packets (#PCDATA)>
<!ELEMENT l2tp-interface-data-tx-packets (#PCDATA)>
<!ELEMENT l2tp-interface-error-rx-packets (#PCDATA)>
<!ELEMENT l2tp-interface-error-tx-packets (#PCDATA)>
<!ELEMENT l2tp-interface-name (#PCDATA)>
<!ELEMENT l2tp-lac-summary-table (#PCDATA)>
<!ELEMENT l2tp-multilink-bundle-endpoint (#PCDATA)>
<!ELEMENT l2tp-multilink-bundle-id (#PCDATA)>
<!ELEMENT l2tp-multilink-bundle-mrru-input (#PCDATA)>
<!ELEMENT l2tp-multilink-bundle-mrru-output (#PCDATA)>
<!ELEMENT l2tp-multilink-bundle-num-links (#PCDATA)>
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<!ELEMENT l2tp-multilink-clear-entry (l2tp-multilink-bundle-id)*>
<!ATTLIST l2tp-multilink-clear-entry junos:style CDATA #IMPLIED>

<!ELEMENT l2tp-multilink-entry (l2tp-multilink-bundle-id |
l2tp-multilink-bundle-endpoint | l2tp-multilink-bundle-num-links |
l2tp-multilink-bundle-mrru-input | l2tp-multilink-bundle-mrru-output |
l2tp-statistics-since | l2tp-control-tx-packets | l2tp-control-rx-packets |
l2tp-data-tx-packets | l2tp-data-rx-packets | l2tp-control-tx-bytes |
l2tp-control-rx-bytes | l2tp-data-tx-bytes | l2tp-data-rx-bytes |
l2tp-error-tx-packets | l2tp-error-rx-packets | l2tp-multilink-links)*>
<!ATTLIST l2tp-multilink-entry junos:style CDATA #IMPLIED>

<!ELEMENT l2tp-multilink-links (l2tp-session-entry)*>

<!ELEMENT l2tp-per-tunnel-group-tunnel-table (tunnel-group-name | interface-name
| l2tp-tunnel-table)*>

<!ELEMENT l2tp-per-tunnel-session-table (tunnel-group-name | interface-name |
l2tp-tunnel-local-id | l2tp-session-table)*>
<!ATTLIST l2tp-per-tunnel-session-table junos:style CDATA #IMPLIED>

<!ELEMENT l2tp-per-tunnel-user-table (#PCDATA)>

<!ELEMENT l2tp-session-authentication (#PCDATA)>

<!ELEMENT l2tp-session-bearer-type (#PCDATA)>

<!ELEMENT l2tp-session-bundle-id (#PCDATA)>

<!ELEMENT l2tp-session-call-serial-number (#PCDATA)>

<!ELEMENT l2tp-session-cell-overhead (#PCDATA)>

<!ELEMENT l2tp-session-clear-entry (l2tp-session-local-id)*>
<!ATTLIST l2tp-session-clear-entry junos:style CDATA #IMPLIED>

<!ELEMENT l2tp-session-create-time (#PCDATA)>

<!ELEMENT l2tp-session-encapsulation-overhead (#PCDATA)>

<!ELEMENT l2tp-session-entry (l2tp-session-local-id | l2tp-session-remote-id |
l2tp-session-remote-ip | l2tp-session-local-ip | l2tp-session-state |
l2tp-session-bundle-id | l2tp-session-user-name | l2tp-session-own-ip |
l2tp-session-peer-ip | l2tp-session-local-name | l2tp-session-remote-name |
l2tp-session-mode | l2tp-session-local-mru | l2tp-session-remote-mru |
l2tp-session-tx-speed | l2tp-session-rx-speed | l2tp-session-bearer-type |
l2tp-session-framing-type | l2tp-session-lcp-renegotiation |
l2tp-session-authentication | l2tp-session-interface-id |
l2tp-session-interface-unit | l2tp-session-call-serial-number |
l2tp-session-policer-bandwidth | l2tp-session-policer-exclude-bandwidth |
l2tp-session-policer-burstsize | l2tp-session-firewall-filter |
l2tp-session-encapsulation-overhead | l2tp-session-cell-overhead |
l2tp-session-create-time | l2tp-session-interface-name | l2tp-statistics-since |
l2tp-control-tx-packets | l2tp-control-rx-packets | l2tp-data-tx-packets |
l2tp-data-rx-packets | l2tp-control-tx-bytes | l2tp-control-rx-bytes |
l2tp-data-tx-bytes | l2tp-data-rx-bytes | l2tp-error-tx-packets |
l2tp-error-rx-packets | l2tp-create-time | l2tp-up-time | l2tp-idle-time)*>
<!ATTLIST l2tp-session-entry junos:style CDATA #IMPLIED>

<!ELEMENT l2tp-session-firewall-filter (#PCDATA)>
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<!ELEMENT l2tp-session-framing-type (#PCDATA)>

<!ELEMENT l2tp-session-interface-id (#PCDATA)>

<!ELEMENT l2tp-session-interface-name (#PCDATA)>

<!ELEMENT l2tp-session-interface-unit (#PCDATA)>

<!ELEMENT l2tp-session-lcp-renegotiation (#PCDATA)>

<!ELEMENT l2tp-session-local-id (#PCDATA)>

<!ELEMENT l2tp-session-local-ip (#PCDATA)>

<!ELEMENT l2tp-session-local-mru (#PCDATA)>

<!ELEMENT l2tp-session-local-name (#PCDATA)>

<!ELEMENT l2tp-session-mode (#PCDATA)>

<!ELEMENT l2tp-session-own-ip (#PCDATA)>

<!ELEMENT l2tp-session-peer-ip (#PCDATA)>

<!ELEMENT l2tp-session-policer-bandwidth (#PCDATA)>

<!ELEMENT l2tp-session-policer-burstsize (#PCDATA)>

<!ELEMENT l2tp-session-policer-exclude-bandwidth (#PCDATA)>

<!ELEMENT l2tp-session-remote-id (#PCDATA)>

<!ELEMENT l2tp-session-remote-ip (#PCDATA)>

<!ELEMENT l2tp-session-remote-mru (#PCDATA)>

<!ELEMENT l2tp-session-remote-name (#PCDATA)>

<!ELEMENT l2tp-session-rx-speed (#PCDATA)>

<!ELEMENT l2tp-session-state (#PCDATA)>

<!ELEMENT l2tp-session-table (l2tp-session-entry)*>
<!ATTLIST l2tp-session-table heading CDATA #IMPLIED>

<!ELEMENT l2tp-session-tx-speed (#PCDATA)>

<!ELEMENT l2tp-session-user-name (#PCDATA)>

<!ELEMENT l2tp-sessions (#PCDATA)>

<!ELEMENT l2tp-statistics-since (#PCDATA)>

<!ELEMENT l2tp-summary-table (l2tp-destinations | l2tp-tunnels | l2tp-sessions |
  l2tp-error-tx-packets | l2tp-error-rx-packets | l2tp-control-tx-packets |
  l2tp-control-rx-packets | l2tp-interface-error-tx-packets |
  l2tp-interface-error-rx-packets | l2tp-interface-control-tx-packets |
  l2tp-interface-control-rx-packets | l2tp-control-memory-bytes |
  l2tp-data-tx-packets | l2tp-data-rx-packets | l2tp-interface-data-tx-packets |
  l2tp-interface-data-rx-packets | l2tp-data-memory-bytes | l2tp-interface-name |

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12tp-failover-preference-level | 12tp-weighted-load-balancing |
12tp-tunnel-authentication-challenge | 12tp-calling-number-avp |
12tp-failover-protocol)*>
<!ATTLIST 12tp-summary-table junos:style CDATA #IMPLIED>

<!ELEMENT 12tp-tunnel-authentication-challenge (#PCDATA)>

<!ELEMENT 12tp-tunnel-clear-entry (12tp-tunnel-local-id)*>
<!ATTLIST 12tp-tunnel-clear-entry junos:style CDATA #IMPLIED>

<!ELEMENT 12tp-tunnel-entry (12tp-tunnel-local-id | 12tp-tunnel-name |
12tp-tunnel-remote-id | 12tp-tunnel-remote-ip | 12tp-tunnel-state |
12tp-tunnel-session-count | 12tp-tunnel-local-ip | 12tp-tunnel-remote-name |
12tp-tunnel-local-name | 12tp-tunnel-maximum-sessions | 12tp-tunnel-window-size
| 12tp-tunnel-hello-interval | 12tp-tunnel-tos-reflect | 12tp-tunnel-prm |
12tp-statistics-since | 12tp-control-tx-packets | 12tp-control-rx-packets |
12tp-data-tx-packets | 12tp-data-rx-packets | 12tp-control-tx-bytes |
12tp-control-rx-bytes | 12tp-data-tx-bytes | 12tp-data-rx-bytes |
12tp-error-tx-packets | 12tp-error-rx-packets | 12tp-create-time | 12tp-up-time
| 12tp-idle-time)*>
<!ATTLIST 12tp-tunnel-entry junos:style CDATA #IMPLIED>

<!ELEMENT 12tp-tunnel-hello-interval (#PCDATA)>

<!ELEMENT 12tp-tunnel-local-id (#PCDATA)>

<!ELEMENT 12tp-tunnel-local-ip (#PCDATA)>

<!ELEMENT 12tp-tunnel-local-name (#PCDATA)>

<!ELEMENT 12tp-tunnel-maximum-sessions (#PCDATA)>

<!ELEMENT 12tp-tunnel-name (#PCDATA)>

<!ELEMENT 12tp-tunnel-prm (#PCDATA)>

<!ELEMENT 12tp-tunnel-remote-id (#PCDATA)>

<!ELEMENT 12tp-tunnel-remote-ip (#PCDATA)>

<!ELEMENT 12tp-tunnel-remote-name (#PCDATA)>

<!ELEMENT 12tp-tunnel-session-count (#PCDATA)>

<!ELEMENT 12tp-tunnel-state (#PCDATA)>

<!ELEMENT 12tp-tunnel-table (12tp-tunnel-entry)*>
<!ATTLIST 12tp-tunnel-table heading CDATA #IMPLIED>

<!ELEMENT 12tp-tunnel-tos-reflect (#PCDATA)>

<!ELEMENT 12tp-tunnel-window-size (#PCDATA)>

<!ELEMENT 12tp-tunnels (#PCDATA)>

<!ELEMENT 12tp-up-time (#PCDATA)>

<!ELEMENT 12tp-weighted-load-balancing (#PCDATA)>

<!ELEMENT 1and-attack (#PCDATA)>
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<!ELEMENT last-change (#PCDATA)>

<!ELEMENT last-detected-event (#PCDATA)>

<!ELEMENT last-detected-event-time (#PCDATA)>

<!ELEMENT last-reset-time (#PCDATA)>

<!ELEMENT latch-deadlock-duration (#PCDATA)>

<!ELEMENT load-balancer-entries (load-balancer-entry)*>

<!ELEMENT load-balancer-entry (cpu-name | idle | system | output | freeback |
input-1 | input-2)*>

<!ELEMENT load-status (#PCDATA)>

<!ELEMENT local-ip-address (#PCDATA)>

<!ELEMENT local-port (#PCDATA)>

<!ELEMENT long-packet (#PCDATA)>

<!ELEMENT lsqinfo-cpu-usage-information (cpu-role-name | one-second-usage |
five-second-usage | fragmenter-entries | quality-of-service-entries |
sequencer-entries | load-balancer-entries)*>
<!ATTLIST lsqinfo-cpu-usage-information junos:style CDATA #IMPLIED>

<!ELEMENT max-blocks-per-address (#PCDATA)>

<!ELEMENT max-port-blocks-used (#PCDATA)>

<!ELEMENT max-term-percentage (#PCDATA)>

<!ELEMENT max-terms (#PCDATA)>

<!ELEMENT maximum (#PCDATA)>

<!ELEMENT maximum-concurrent-calls (#PCDATA)>

<!ELEMENT maximum-inactivity-time (minimum | maximum | default)*>

<!ELEMENT maximum-net-propagation-delay (#PCDATA)>

<!ELEMENT maximum-waiting-delay (#PCDATA)>

<!ELEMENT media-card-name (#PCDATA)>

<!ELEMENT media-handler-name (#PCDATA)>

<!ELEMENT media-service-entry (media-service-name | media-service-nat-pool)*>

<!ELEMENT media-service-name (#PCDATA)>

<!ELEMENT media-service-nat-pool (#PCDATA)>

<!ELEMENT media-service-ref-entry (media-service-ref-name)*>

<!ELEMENT media-service-ref-name (#PCDATA)>

<!ELEMENT memlimit-drops (#PCDATA)>
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<!ELEMENT memory-pool-chunk-size (#PCDATA)>

<!ELEMENT memory-pool-chunk-used (#PCDATA)>

<!ELEMENT memory-pool-chunks-num (#PCDATA)>

<!ELEMENT memory-pool-free-chunks-num (#PCDATA)>

<!ELEMENT memory-pool-name (#PCDATA)>

<!ELEMENT message-counters (register-new | invite-new | reinvites |
invite-retransmits | response-provisional | response-invite-ok |
response-non-invite-ok | response-redir | response-request-failure |
response-server-failure | response-global-failure | response-invalid |
response-retransmits | ack-valid | ack-invalid | ack-retransmits | bye-valid |
bye-invalid | cancel-valid | cancel-invalid | subscribe-valid | subscribe-invalid
| notify-valid | notify-invalid | options-valid | options-invalid | info-valid
| info-invalid | update-valid | update-invalid | refer-valid | refer-invalid)*>

<!ELEMENT messages-received (#PCDATA)>

<!ELEMENT messages-sent (#PCDATA)>

<!ELEMENT minimum (#PCDATA)>

<!ELEMENT minimum-gap-threshold (#PCDATA)>

<!ELEMENT msp-alg-conv-all-entry (client-name | client-state | num-groups |
parent-sess-state | parent-sess-id | parent-flow-protocol | parent-fflow-src-ip
| parent-fflow-dst-ip | parent-fflow-src-port | parent-fflow-dst-port |
parent-rflow-src-ip | parent-rflow-dst-ip | parent-rflow-src-port |
parent-rflow-dst-port | child-sess-id | child-flow-protocol | child-fflow-src-ip
| child-fflow-dst-ip | child-fflow-src-port | child-fflow-dst-port |
child-rflow-src-ip | child-rflow-dst-ip | child-rflow-src-port |
child-rflow-dst-port)*>

<!ELEMENT msp-alg-conv-all-extensive-entry (client-name | client-state | num-groups
| group-id | group-state | parent-sess-state | parent-sess-id |
parent-flow-protocol | parent-fflow-src-ip | parent-fflow-dst-ip |
parent-fflow-src-port | parent-fflow-dst-port | parent-rflow-src-ip |
parent-rflow-dst-ip | parent-rflow-src-port | parent-rflow-dst-port | num-resources
| resource-id | resource-state | num-sessions | child-sess-id |
child-flow-protocol | child-fflow-src-ip | child-fflow-dst-ip |
child-fflow-src-port | child-fflow-dst-port | child-rflow-src-ip |
child-rflow-dst-ip | child-rflow-src-port | child-rflow-dst-port)*>

<!ELEMENT msp-alg-conv-group-num-entry (group-id | group-is-active | client-name
| parent-session-id | group-timeout | num-resources | resource)*>

<!ELEMENT msp-alg-conv-groups-entry (group-id | group-is-active | client-name |
num-resources | resource-id)*>

<!ELEMENT msp-alg-conv-resource-num-entry (resource-id | resource-is-active |
num-sessions | session-ids | num-holes | src-ip-low | src-ip-high | src-port-low
| src-port-high | dst-ip-low | dst-ip-high | dst-port-low | dst-port-high |
translated-src-ip | translated-src-port | translated-dst-ip | translated-dst-port
| ref-count | proto)*>

<!ELEMENT msp-alg-conv-resources-entry (resource-id | resource-is-active | group-id
| client-name | num-sessions | session-id)*>
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<!ELEMENT msp-alg-conv-summary-entry (clients-active | groups-active |
resources-active | sessions-active)*>

<!ELEMENT msp-alg-dce-rpc-entry (dce-rpc-wrong-header | dce-rpc-non-epm3 |
dce-rpc-type-mismatch | dce-rpc-id-mismatch | dce-rpc-call-mismatch |
dce-rpc-fragment-pkts | dce-rpc-queue-pkts | dce-rpc-drop-pkts |
dce-rpc-released-pkts)*>

<!ELEMENT msp-alg-dce-rpc-portmap-entry (dce-rpc-lookup-request |
dce-rpc-map-request | dce-rpc-lookup-reply | dce-rpc-map-reply |
dce-rpc-fail-reply)*>

<!ELEMENT msp-alg-dns-entry (dns-invalid-pkts | dns-reply-pkts |
dns-oversize-pkts)*>

<!ELEMENT msp-alg-ftp-entry (ftp-drop-pkts | ftp-parse-fail-pkts |
ftp-translated-pkts)*>

<!ELEMENT msp-alg-pptp-entry (pptp-objects-active | pptp-objects-total |
pptp-objects-error | pptp-group-active | pptp-group-total | pptp-group-error |
pptp-packets-received | pptp-packets-discarded | pptp-packets-free | pptp-ocrq-rcvd
| pptp-ocrq-discarded | pptp-ocrp-rcvd | pptp-ocrp-discarded | pptp-wen-rcvd |
pptp-wen-discarded | pptp-ccrq-rcvd | pptp-cdsn-rcvd | pptp-ccrq-discarded |
pptp-session-create | pptp-session-destroy | pptp-gate-create | pptp-gate-hit |
pptp-gate-timeout | pptp-nat-event | pptp-nat-total | pptp-nat-ok |
pptp-nat-pending | pptp-nat-fail | pptp-rm-total | pptp-rm-ok | pptp-rm-pending
| pptp-rm-fail | pptp-nat-async-total | pptp-nat-async-invalid |
pptp-nat-async-error1 | pptp-nat-async-error2 | pptp-asl-hole-ok |
pptp-asl-hole-error | pptp-asl-first-hit | pptp-asl-hole-timeout | pptp-asl-invalid
| pptp-nat-ctx-free | pptp-create-resource-error | pptp-s2c-hole-error |
pptp-c2s-hole-error | pptp-lnbrk-error | pptp-mpool-error | pptp-rm-client-error)*>

<!ELEMENT msp-alg-rpc-entry (rpc-call-bind-version-2 | rpc-call-bind-version-3 |
rpc-call-bind-version-4 | rpc-call-bind-version-error | rpc-reply-bind-version-2
| rpc-reply-bind-version-3 | rpc-reply-bind-version-4 |
rpc-reply-bind-version-error | rpc-pkt-fragmented | rpc-pkt-drop |
rpc-pkt-release)*>

<!ELEMENT msp-alg-rpc-portmap-entry (rpc-process-fail | rpc-request | rpc-call-dump
| rpc-call-callit | rpc-reply-ok | rpc-reply-dump | rpc-reply-callit |
rpc-process-reply-deny | rpc-process-reply-xid-mismatch | rpc-pkt-ver-error |
rpc-pkt-not-rpcbind)*>

<!ELEMENT msp-alg-rsh-entry (rsh-invalid-pkts | rsh-drop-pkts | rsh-parse-fail-pkts
| rsh-freed-pkts)*>

<!ELEMENT msp-alg-rtsp-entry (rtsp-exceed-max-data-len | rtsp-drop-packets |
rtsp-describe-msg-cnt | rtsp-setup-msg-cnt | rtsp-teardown-msg-cnt)*>

<!ELEMENT msp-alg-sip-entry (sip-pkts-drop | sip-unexpect-req-drop |
sip-unexpect-res-drop | sip-dscp-marked | sip-dscp-marked-err | sip-nat-err |
sip-rr-hdr-exceed-max | sip-contact-hdr-exceed-max | sip-invite-drop-call-limit
| sip-msgs-not-processed | sip-unknown-pkts-drop | sip-decoding-error |
sip-out-of-state)*>

<!ELEMENT msp-alg-sql-entry (sql-rcvd-pkts | sql-parse-fail-pkts | sql-freed-pkts
| sql-gate-fail-errs)*>

<!ELEMENT msp-alg-talk-entry (talk-lookup-pkts | talk-announce-pkts |
talk-delete-pkts)*>

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<!ELEMENT msp-per-service-set-sess-table (msp-sess-entry | sfw-flow-entry |
nat-plugin-sess-entry)*>

<!ELEMENT msp-sess-alg-id (#PCDATA)>

<!ELEMENT msp-sess-asymmetric (#PCDATA)>

<!ELEMENT msp-sess-entry (msp-sess-id | msp-sess-alg-id | msp-sess-flags |
msp-sess-ip-action | msp-sess-offload | msp-sess-asymmetric |
msp-sess-plugin-info)*>

<!ELEMENT msp-sess-flags (#PCDATA)>

<!ELEMENT msp-sess-id (#PCDATA)>

<!ELEMENT msp-sess-ip-action (#PCDATA)>

<!ELEMENT msp-sess-offload (#PCDATA)>

<!ELEMENT msp-sess-plugin-info (#PCDATA)>

<!ELEMENT nat-action (#PCDATA)>

<!ELEMENT nat-dst-ipv4-restorations (#PCDATA)>

<!ELEMENT nat-dst-ipv4-translations (#PCDATA)>

<!ELEMENT nat-dst-port-restorations (#PCDATA)>

<!ELEMENT nat-dst-port-translations (#PCDATA)>

<!ELEMENT nat-gre-call-id-restorations (#PCDATA)>

<!ELEMENT nat-gre-call-id-translations (#PCDATA)>

<!ELEMENT nat-icmp-error-translations (#PCDATA)>

<!ELEMENT nat-icmp-id-restorations (#PCDATA)>

<!ELEMENT nat-icmp-id-translations (#PCDATA)>

<!ELEMENT nat-map-allocation-failures (#PCDATA)>

<!ELEMENT nat-map-allocation-successes (#PCDATA)>

<!ELEMENT nat-pkt-dst-in-nat-route (#PCDATA)>

<!ELEMENT nat-plugin-sess-entry (nat-action | sfw-flow-nat)*>

<!ELEMENT nat-ports-exhausted (#PCDATA)>

<!ELEMENT nat-session-accepts-due-to-alg (#PCDATA)>

<!ELEMENT nat-session-ext-alloc-failures (#PCDATA)>

<!ELEMENT nat-src-ipv4-restorations (#PCDATA)>

<!ELEMENT nat-src-ipv4-translations (#PCDATA)>

<!ELEMENT nat-src-port-restorations (#PCDATA)>
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<!ELEMENT nat-src-port-translations (#PCDATA)>
<!ELEMENT nat-tcp-port-restorations (#PCDATA)>
<!ELEMENT nat-tcp-port-translations (#PCDATA)>
<!ELEMENT nat-total-pkts-discarded (#PCDATA)>
<!ELEMENT nat-total-pkts-forwarded (#PCDATA)>
<!ELEMENT nat-total-pkts-processed (#PCDATA)>
<!ELEMENT nat-total-pkts-restored (#PCDATA)>
<!ELEMENT nat-total-pkts-translated (#PCDATA)>
<!ELEMENT nat-total-session-accepts (#PCDATA)>
<!ELEMENT nat-total-session-discards (#PCDATA)>
<!ELEMENT nat-total-session-ignores (#PCDATA)>
<!ELEMENT nat-udp-port-restorations (#PCDATA)>
<!ELEMENT nat-udp-port-translations (#PCDATA)>
<!ELEMENT natmapping-address-mapping (natmapping-total-flow-count |
natmapping-source-ip | natmapping-nat-ip | natmapping-flow-count |
natmapping-source-port | natmapping-nat-port |
natmapping-flow-count-per-port-map)*>
<!ATTLIST natmapping-address-mapping junos:style CDATA #IMPLIED>
<!ELEMENT natmapping-flow-count (#PCDATA)>
<!ELEMENT natmapping-flow-count-per-port-map (#PCDATA)>
<!ELEMENT natmapping-nat-ip (#PCDATA)>
<!ELEMENT natmapping-nat-port (#PCDATA)>
<!ELEMENT natmapping-source-ip (#PCDATA)>
<!ELEMENT natmapping-source-port (#PCDATA)>
<!ELEMENT natmapping-summary (natmapping-total-address-mappings |
natmapping-total-port-mappings | natmapping-total-filters)*>
<!ELEMENT natmapping-total-address-mappings (#PCDATA)>
<!ELEMENT natmapping-total-filters (#PCDATA)>
<!ELEMENT natmapping-total-flow-count (#PCDATA)>
<!ELEMENT natmapping-total-port-mappings (#PCDATA)>
<!ELEMENT network-packet-loss-rate (#PCDATA)>
<!ELEMENT new-flow-accepts (#PCDATA)>
<!ELEMENT new-flow-counters (new-flow-accepts | new-flow-discards |

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new-flow-rejects)*>

<!ELEMENT new-flow-discards (#PCDATA)>

<!ELEMENT new-flow-rejects (#PCDATA)>

<!ELEMENT no-flow-extension (#PCDATA)>

<!ELEMENT no-softwire-id (#PCDATA)>

<!ELEMENT no-space-for-outer-header (#PCDATA)>

<!ELEMENT noise-level (#PCDATA)>

<!ELEMENT non-ip-packets (#PCDATA)>

<!ELEMENT non-ipv4 (#PCDATA)>

<!ELEMENT non-syn-first-packet (#PCDATA)>

<!ELEMENT not-actively-checked-server-address (#PCDATA)>

<!ELEMENT not-actively-checked-server-name (#PCDATA)>

<!ELEMENT not-actively-checked-server-next-availability (#PCDATA)>

<!ELEMENT notification-regulation (#PCDATA)>

<!ELEMENT notify-invalid (#PCDATA)>

<!ELEMENT notify-valid (#PCDATA)>

<!ELEMENT num-created-flows-per-sec (#PCDATA)>

<!ELEMENT num-deleted-flows-per-sec (#PCDATA)>

<!ELEMENT num-flows-sec-1000-10000 (#PCDATA)>

<!ELEMENT num-flows-sec-1000-minus (#PCDATA)>

<!ELEMENT num-flows-sec-10000-20000 (#PCDATA)>

<!ELEMENT num-flows-sec-20000-30000 (#PCDATA)>

<!ELEMENT num-flows-sec-30000-40000 (#PCDATA)>

<!ELEMENT num-flows-sec-40000-50000 (#PCDATA)>

<!ELEMENT num-flows-sec-50000-plus (#PCDATA)>

<!ELEMENT num-flows-sec-samples (#PCDATA)>

<!ELEMENT num-groups (#PCDATA)>

<!ELEMENT num-holes (#PCDATA)>

<!ELEMENT num-of-nacks (#PCDATA)>

<!ELEMENT num-replicated-flows (#PCDATA)>

<!ELEMENT num-resources (#PCDATA)>
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<!ELEMENT num-sessions (#PCDATA)>

<!ELEMENT num-total-flows-active (#PCDATA)>

<!ELEMENT num-total-other-flows-active (#PCDATA)>

<!ELEMENT num-total-tcp-flows-active (#PCDATA)>

<!ELEMENT num-total-udp-flows-active (#PCDATA)>

<!ELEMENT number-of-calls (#PCDATA)>

<!ELEMENT number-of-ctf-error-replied-messages (#PCDATA)>

<!ELEMENT number-of-ctf-messages (#PCDATA)>

<!ELEMENT number-of-ctf-replied-messages (#PCDATA)>

<!ELEMENT number-of-ctf-retries-messages (#PCDATA)>

<!ELEMENT number-of-filters (#PCDATA)>

<!ELEMENT number-of-terms (#PCDATA)>

<!ELEMENT octets-received (#PCDATA)>

<!ELEMENT octets-sent (#PCDATA)>

<!ELEMENT one-second-usage (#PCDATA)>

<!ELEMENT options-invalid (#PCDATA)>

<!ELEMENT options-valid (#PCDATA)>

<!ELEMENT output (#PCDATA)>

<!ELEMENT output-fragments (#PCDATA)>

<!ELEMENT output-retry (#PCDATA)>

<!ELEMENT overload-control-entry (queue-limit-percentage |
reject-new-calls-threshold | reject-all-commands-threshold)*>

<!ELEMENT overload-last-reset-time (#PCDATA)>

<!ELEMENT packet-loss-concealment-type (#PCDATA)>

<!ELEMENT packet-not-ipv4-in-ipv6 (#PCDATA)>

<!ELEMENT packet-not-ipv6-in-ipv4 (#PCDATA)>

<!ELEMENT packet-processing-error (#PCDATA)>

<!ELEMENT packets (#PCDATA)>

<!ELEMENT parent-fflow-dst-ip (#PCDATA)>

<!ELEMENT parent-fflow-dst-port (#PCDATA)>

<!ELEMENT parent-fflow-src-ip (#PCDATA)>
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<!ELEMENT parent-fflow-src-port (#PCDATA)>

<!ELEMENT parent-flow-protocol (#PCDATA)>

<!ELEMENT parent-rflow-dst-ip (#PCDATA)>

<!ELEMENT parent-rflow-dst-port (#PCDATA)>

<!ELEMENT parent-rflow-src-ip (#PCDATA)>

<!ELEMENT parent-rflow-src-port (#PCDATA)>

<!ELEMENT parent-sess-id (#PCDATA)>

<!ELEMENT parent-sess-state (#PCDATA)>

<!ELEMENT parent-session-id (#PCDATA)>

<!ELEMENT parser-counters (syntax-errors | content-errors | unknown-methods)*>

<!ELEMENT peak-created-flows-per-second (#PCDATA)>

<!ELEMENT peak-deleted-flows-per-second (#PCDATA)>

<!ELEMENT peak-total-flows-active (#PCDATA)>

<!ELEMENT peak-total-other-flows-active (#PCDATA)>

<!ELEMENT peak-total-tcp-flows-active (#PCDATA)>

<!ELEMENT peak-total-udp-flows-active (#PCDATA)>

<!ELEMENT per-command-header-name (#PCDATA)>

<!ELEMENT pgcp-conversation (pgcp-flow-table-conv-initiator |
pgcp-flow-table-conv-responder | service-pgcp-flow-table)*>

<!ELEMENT pgcp-flow-destination-ip (#PCDATA)>

<!ELEMENT pgcp-flow-destination-port (#PCDATA)>

<!ELEMENT pgcp-flow-direction (#PCDATA)>

<!ELEMENT pgcp-flow-entry (pgcp-flow-protocol | pgcp-flow-source-ip |
pgcp-flow-source-port | pgcp-flow-destination-ip | pgcp-flow-destination-port |
pgcp-flow-state | pgcp-flow-direction | pgcp-flow-frame-counter | pgcp-flow-gate-id
| pgcp-flow-nat | pgcp-flow-table-byte-count | source-routing-instance |
destination-routing-instance | pgcp-flow-table-tcp-window-size |
pgcp-flow-table-tcp-acknowledge | pgcp-flow-table-tcp-tickle | pgcp-flow-table-role
| pgcp-flow-table-timeout | pgcp-flow-table-protocol-detail |
flow-gate-tman-policing | flow-gate-sdr | flow-gate-sdr-mbs | flow-gate-pdr |
flow-gate-pdr-mbs | flow-replication-status)*>

<!ELEMENT pgcp-flow-frame-counter (#PCDATA)>

<!ELEMENT pgcp-flow-gate-id (#PCDATA)>

<!ELEMENT pgcp-flow-nat (pgcp-flow-nat-ip | pgcp-flow-nat-port |
pgcp-flow-translated-ip | pgcp-flow-translated-port)*>
<!ATTLIST pgcp-flow-nat nat-type CDATA #IMPLIED>
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<!ELEMENT pgcp-flow-nat-ip (#PCDATA)>

<!ELEMENT pgcp-flow-nat-port (#PCDATA)>

<!ELEMENT pgcp-flow-protocol (#PCDATA)>

<!ELEMENT pgcp-flow-source-ip (#PCDATA)>

<!ELEMENT pgcp-flow-source-port (#PCDATA)>

<!ELEMENT pgcp-flow-state (#PCDATA)>

<!ELEMENT pgcp-flow-table-byte-count (#PCDATA)>

<!ELEMENT pgcp-flow-table-conv-initiator (#PCDATA)>

<!ELEMENT pgcp-flow-table-conv-responder (#PCDATA)>

<!ELEMENT pgcp-flow-table-protocol-detail (#PCDATA)>

<!ELEMENT pgcp-flow-table-role (#PCDATA)>

<!ELEMENT pgcp-flow-table-tcp-acknowledge (#PCDATA)>

<!ELEMENT pgcp-flow-table-tcp-tickle (#PCDATA)>

<!ELEMENT pgcp-flow-table-tcp-window-size (#PCDATA)>

<!ELEMENT pgcp-flow-table-timeout (#PCDATA)>

<!ELEMENT pgcp-flow-translated-ip (#PCDATA)>

<!ELEMENT pgcp-flow-translated-port (#PCDATA)>

<!ELEMENT pgcp-per-service-set-conversation (service-set-name | interface-name |
pgcp-conversation)*>

<!ELEMENT pgcp-per-service-set-flow-table (service-set-name | interface-name |
service-pgcp-flow-table)*>

<!ELEMENT pgcp-statistics-since (#PCDATA)>

<!ELEMENT pgcpd-active-configuration (virtual-interface-entry | controller-entry
| h248-timers-entry | h248-options-entry | base-root-entry |
h248-segmentation-properties-entry | h248-diffserv-entry |
h248-notification-behavior-entry | h248-application-data-inactivity-detection-entry
| h248-event-timestamp-notification-entry | inactivity-timer-entry |
fast-update-filters-entry | overload-control-entry | gateway-entry | rule-ref-entry
| rule-entry | service-pic-entry | service-set-entry | firewall-entry |
pgcpd-config)*>

<!ELEMENT pgcpd-config (media-service-entry | virtual-interface-entry |
gateway-entry | rule-entry | service-set-entry | service-pic-entry |
firewall-entry)*>

<!ELEMENT pic-ha-state (#PCDATA)>

<!ELEMENT pic-name (#PCDATA)>

<!ELEMENT pic-redundancy-state (#PCDATA)>

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<!ELEMENT pic-status (#PCDATA)>

<!ELEMENT ping-duplicate-sequence-number (#PCDATA)>

<!ELEMENT ping-mismatched-sequence-number (#PCDATA)>

<!ELEMENT pkts-received (#PCDATA)>

<!ELEMENT pkts-transmitted (#PCDATA)>

<!ELEMENT platform (#PCDATA)>

<!ELEMENT plugin-id (#PCDATA)>

<!ELEMENT plugin-name (#PCDATA)>

<!ELEMENT plugins-configured (#PCDATA)>

<!ELEMENT pool-address-end (#PCDATA)>

<!ELEMENT pool-address-range (#PCDATA)>

<!ELEMENT pool-address-range-list (#PCDATA)>

<!ELEMENT pool-address-start (#PCDATA)>

<!ELEMENT pool-addresses-in-use (#PCDATA)>

<!ELEMENT pool-max-ports-in-use (#PCDATA)>

<!ELEMENT pool-name (#PCDATA)>

<!ELEMENT pool-out-of-address-errors (#PCDATA)>

<!ELEMENT pool-out-of-port-errors (#PCDATA)>

<!ELEMENT pool-port-high (#PCDATA)>

<!ELEMENT pool-port-low (#PCDATA)>

<!ELEMENT pool-port-range (#PCDATA)>

<!ELEMENT pool-ports-in-use (#PCDATA)>

<!ELEMENT port-block-allocation-errors (#PCDATA)>

<!ELEMENT port-block-efficiency (#PCDATA)>

<!ELEMENT port-block-size (#PCDATA)>

<!ELEMENT port-blocks-in-use (#PCDATA)>

<!ELEMENT pptp-asl-first-hit (#PCDATA)>

<!ELEMENT pptp-asl-hole-error (#PCDATA)>

<!ELEMENT pptp-asl-hole-ok (#PCDATA)>

<!ELEMENT pptp-asl-hole-timeout (#PCDATA)>
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<!ELEMENT pptp-asl-invalid (#PCDATA)>
<!ELEMENT pptp-c2s-hole-error (#PCDATA)>
<!ELEMENT pptp-ccrq-discarded (#PCDATA)>
<!ELEMENT pptp-ccrq-rcvd (#PCDATA)>
<!ELEMENT pptp-cdsn-rcvd (#PCDATA)>
<!ELEMENT pptp-create-resource-error (#PCDATA)>
<!ELEMENT pptp-gate-create (#PCDATA)>
<!ELEMENT pptp-gate-hit (#PCDATA)>
<!ELEMENT pptp-gate-timeout (#PCDATA)>
<!ELEMENT pptp-group-active (#PCDATA)>
<!ELEMENT pptp-group-error (#PCDATA)>
<!ELEMENT pptp-group-total (#PCDATA)>
<!ELEMENT pptp-lnbrk-error (#PCDATA)>
<!ELEMENT pptp-mpool-error (#PCDATA)>
<!ELEMENT pptp-nat-async-error1 (#PCDATA)>
<!ELEMENT pptp-nat-async-error2 (#PCDATA)>
<!ELEMENT pptp-nat-async-invalid (#PCDATA)>
<!ELEMENT pptp-nat-async-total (#PCDATA)>
<!ELEMENT pptp-nat-ctx-free (#PCDATA)>
<!ELEMENT pptp-nat-event (#PCDATA)>
<!ELEMENT pptp-nat-fail (#PCDATA)>
<!ELEMENT pptp-nat-ok (#PCDATA)>
<!ELEMENT pptp-nat-pending (#PCDATA)>
<!ELEMENT pptp-nat-total (#PCDATA)>
<!ELEMENT pptp-objects-active (#PCDATA)>
<!ELEMENT pptp-objects-error (#PCDATA)>
<!ELEMENT pptp-objects-total (#PCDATA)>
<!ELEMENT pptp-ocrp-discarded (#PCDATA)>
<!ELEMENT pptp-ocrp-rcvd (#PCDATA)>
<!ELEMENT pptp-ocrq-discarded (#PCDATA)>
<!ELEMENT pptp-ocrq-rcvd (#PCDATA)>
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<!ELEMENT ptp-packets-discarded (#PCDATA)>

<!ELEMENT ptp-packets-free (#PCDATA)>

<!ELEMENT ptp-packets-received (#PCDATA)>

<!ELEMENT ptp-rm-client-error (#PCDATA)>

<!ELEMENT ptp-rm-fail (#PCDATA)>

<!ELEMENT ptp-rm-ok (#PCDATA)>

<!ELEMENT ptp-rm-pending (#PCDATA)>

<!ELEMENT ptp-rm-total (#PCDATA)>

<!ELEMENT ptp-s2c-hole-error (#PCDATA)>

<!ELEMENT ptp-session-create (#PCDATA)>

<!ELEMENT ptp-session-destroy (#PCDATA)>

<!ELEMENT ptp-wen-discarded (#PCDATA)>

<!ELEMENT ptp-wen-rcvd (#PCDATA)>

<!ELEMENT primary-pic (#PCDATA)>

<!ELEMENT process-id (#PCDATA)>

<!ELEMENT proto (#PCDATA)>

<!ELEMENT protocol-errors (#PCDATA)>

<!ELEMENT protocol-inspected-flow (#PCDATA)>

<!ELEMENT protocol-inspection-bytes (#PCDATA)>

<!ELEMENT protocol-inspection-flow (#PCDATA)>

<!ELEMENT protocol-inspection-flow-protocol-identified (#PCDATA)>

<!ELEMENT protocol-inspection-http-uri (#PCDATA)>

<!ELEMENT protocol-inspection-http-uri-matched (#PCDATA)>

<!ELEMENT protocol-inspection-packets (#PCDATA)>

<!ELEMENT protocol-inspection-wap-uri (#PCDATA)>

<!ELEMENT protocol-inspection-wap-uri-matched (#PCDATA)>

<!ELEMENT quality-of-service-entries (quality-of-service-entry)*>

<!ELEMENT quality-of-service-entry (cpu-name | idle | timer | system | output |
input | fragment-output | bypass-output | free-frame)*>

<!ELEMENT query-unsupported-msg (#PCDATA)>

<!ELEMENT queue-limit-percentage (#PCDATA)>
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<!ELEMENT r-factor (#PCDATA)>

<!ELEMENT radius-accounting-server-information-entry (radius-server-ip-address |
  radius-server-state | radius-server-udp-port | radius-server-retry-count |
  radius-server-timeout | radius-server-pending-requests |
  radius-server-maximum-sessions | radius-server-dead-time |
  radius-server-secret-type)*>

<!ELEMENT radius-accounting-statistic-information-entry
(radius-server-statistics-entry-header | radius-server-profile-name |
  radius-server-ip-address | radius-server-udp-port | radius-statistic-requests |
  radius-statistic-start-requests | radius-statistic-interim-requests |
  radius-statistic-stop-requests | radius-statistic-rollover-requests |
  radius-statistic-retransmissions | radius-statistic-responses |
  radius-statistic-start-responses | radius-statistic-interim-responses |
  radius-statistic-stop-responses | radius-statistic-malformed-responses |
  radius-statistic-bad-authenticators | radius-statistic-requests-pending |
  radius-statistic-request-timeouts | radius-statistic-unknown-responses |
  radius-statistic-packets-dropped)*>

<!ELEMENT radius-authentication-server-information-entry (radius-server-ip-address
  | radius-server-state | radius-server-udp-port | radius-server-retry-count |
  radius-server-timeout | radius-server-pending-requests |
  radius-server-maximum-sessions | radius-server-dead-time |
  radius-server-secret-type)*>

<!ELEMENT radius-authentication-statistic-information-entry
(radius-server-statistics-entry-header | radius-server-profile-name |
  radius-server-ip-address | radius-server-udp-port |
  radius-statistic-access-requests | radius-statistic-rollover-requests |
  radius-statistic-retransmissions | radius-statistic-access-accepts |
  radius-statistic-access-rejects | radius-statistic-access-challenges |
  radius-statistic-malformed-responses | radius-statistic-bad-authenticators |
  radius-statistic-requests-pending | radius-statistic-request-timeouts |
  radius-statistic-unknown-responses | radius-statistic-packets-dropped)*>

<!ELEMENT radius-client-password (#PCDATA)>

<!ELEMENT radius-client-user-name (#PCDATA)>

<!ELEMENT radius-profile-access-test-detail-result (radius-profile-name |
  radius-client-user-name | radius-client-password | radius-profile-num-servers |
  radius-server-ip-address | radius-server-udp-port | radius-server-source-address
  | radius-server-timeout | radius-server-retry-count | radius-server-secret |
  radius-server-status | radius-server-attempts | radius-server-attribute-name |
  radius-server-attribute-len | radius-server-attribute-value)*>

<!ELEMENT radius-profile-access-test-result (radius-profile-name |
  radius-client-user-name | radius-client-password | radius-profile-num-servers |
  radius-server-ip-address | radius-server-udp-port | radius-server-source-address
  | radius-server-timeout | radius-server-retry-count | radius-server-secret |
  radius-server-status | radius-server-attempts)*>

<!ELEMENT radius-profile-name (#PCDATA)>

<!ELEMENT radius-profile-num-servers (#PCDATA)>

<!ELEMENT radius-server-access-test-result (radius-server-ip-address |
  radius-server-udp-port | radius-server-source-address | radius-server-timeout |
  radius-server-retry-count | radius-server-secret | radius-client-user-name |

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radius-client-password | radius-server-status)*>
<!ELEMENT radius-server-attempts (#PCDATA)>
<!ELEMENT radius-server-attribute-len (#PCDATA)>
<!ELEMENT radius-server-attribute-name (#PCDATA)>
<!ELEMENT radius-server-attribute-value (#PCDATA)>
<!ELEMENT radius-server-dead-time (#PCDATA)>
<!ELEMENT radius-server-information-table-header (#PCDATA)>
<!ELEMENT radius-server-ip-address (#PCDATA)>
<!ELEMENT radius-server-maximum-sessions (#PCDATA)>
<!ELEMENT radius-server-pending-requests (#PCDATA)>
<!ELEMENT radius-server-profile-name (#PCDATA)>
<!ELEMENT radius-server-retry-count (#PCDATA)>
<!ELEMENT radius-server-secret (#PCDATA)>
<!ELEMENT radius-server-secret-type (#PCDATA)>
<!ELEMENT radius-server-source-address (#PCDATA)>
<!ELEMENT radius-server-state (#PCDATA)>
<!ELEMENT radius-server-statistics-entry-header (#PCDATA)>
<!ELEMENT radius-server-status (#PCDATA)>
<!ELEMENT radius-server-timeout (#PCDATA)>
<!ELEMENT radius-server-udp-port (#PCDATA)>
<!ELEMENT radius-statistic-access-accepts (#PCDATA)>
<!ELEMENT radius-statistic-access-challenges (#PCDATA)>
<!ELEMENT radius-statistic-access-rejects (#PCDATA)>
<!ELEMENT radius-statistic-access-requests (#PCDATA)>
<!ELEMENT radius-statistic-bad-authenticators (#PCDATA)>
<!ELEMENT radius-statistic-interim-requests (#PCDATA)>
<!ELEMENT radius-statistic-interim-responses (#PCDATA)>
<!ELEMENT radius-statistic-malformed-responses (#PCDATA)>
<!ELEMENT radius-statistic-packets-dropped (#PCDATA)>
<!ELEMENT radius-statistic-request-timeouts (#PCDATA)>
<!ELEMENT radius-statistic-requests (#PCDATA)>
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<!ELEMENT radius-statistic-requests-pending (#PCDATA)>
<!ELEMENT radius-statistic-responses (#PCDATA)>
<!ELEMENT radius-statistic-retransmissions (#PCDATA)>
<!ELEMENT radius-statistic-rollover-requests (#PCDATA)>
<!ELEMENT radius-statistic-start-requests (#PCDATA)>
<!ELEMENT radius-statistic-start-responses (#PCDATA)>
<!ELEMENT radius-statistic-stop-requests (#PCDATA)>
<!ELEMENT radius-statistic-stop-responses (#PCDATA)>
<!ELEMENT radius-statistic-unknown-responses (#PCDATA)>
<!ELEMENT reassembly (#PCDATA)>
<!ELEMENT received-dscp (#PCDATA)>
<!ELEMENT received-forwarding-class (#PCDATA)>
<!ELEMENT ref-count (#PCDATA)>
<!ELEMENT refer-invalid (#PCDATA)>
<!ELEMENT refer-valid (#PCDATA)>
<!ELEMENT register-new (#PCDATA)>
<!ELEMENT reinvites (#PCDATA)>
<!ELEMENT reject-all-commands-threshold (#PCDATA)>
<!ELEMENT reject-new-calls-threshold (#PCDATA)>
<!ELEMENT remote-ip-address (#PCDATA)>
<!ELEMENT remote-port (#PCDATA)>
<!ELEMENT replication-socket (#PCDATA)>
<!ELEMENT requested-timestamp (#PCDATA)>
<!ELEMENT residual-echo-return-loss (#PCDATA)>
<!ELEMENT resource (#PCDATA)>
<!ELEMENT resource-id (#PCDATA)>
<!ELEMENT resource-is-active (#PCDATA)>
<!ELEMENT resource-state (#PCDATA)>
<!ELEMENT resources-active (#PCDATA)>
<!ELEMENT response-global-failure (#PCDATA)>
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<!ELEMENT response-invalid (#PCDATA)>
<!ELEMENT response-invite-ok (#PCDATA)>
<!ELEMENT response-non-invite-ok (#PCDATA)>
<!ELEMENT response-provisional (#PCDATA)>
<!ELEMENT response-redir (#PCDATA)>
<!ELEMENT response-request-failure (#PCDATA)>
<!ELEMENT response-retransmits (#PCDATA)>
<!ELEMENT response-server-failure (#PCDATA)>
<!ELEMENT restart-bsg-service-information (gateway-name | platform | process-id)*>
<!ELEMENT restart-pgcp-service-information (gateway-name | platform | process-id)*>
<!ELEMENT root-termination-information (#PCDATA)>
<!ELEMENT routing-instance (#PCDATA)>
<!ELEMENT rpc-call-bind-version-2 (#PCDATA)>
<!ELEMENT rpc-call-bind-version-3 (#PCDATA)>
<!ELEMENT rpc-call-bind-version-4 (#PCDATA)>
<!ELEMENT rpc-call-bind-version-error (#PCDATA)>
<!ELEMENT rpc-call-callit (#PCDATA)>
<!ELEMENT rpc-call-dump (#PCDATA)>
<!ELEMENT rpc-pkt-drop (#PCDATA)>
<!ELEMENT rpc-pkt-fragmented (#PCDATA)>
<!ELEMENT rpc-pkt-not-rpcbind (#PCDATA)>
<!ELEMENT rpc-pkt-release (#PCDATA)>
<!ELEMENT rpc-pkt-ver-error (#PCDATA)>
<!ELEMENT rpc-process-fail (#PCDATA)>
<!ELEMENT rpc-process-reply-deny (#PCDATA)>
<!ELEMENT rpc-process-reply-xid-mismatch (#PCDATA)>
<!ELEMENT rpc-reply-bind-version-2 (#PCDATA)>
<!ELEMENT rpc-reply-bind-version-3 (#PCDATA)>
<!ELEMENT rpc-reply-bind-version-4 (#PCDATA)>
<!ELEMENT rpc-reply-bind-version-error (#PCDATA)>
<!ELEMENT rpc-reply-callit (#PCDATA)>
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<!ELEMENT rpc-reply-dump (#PCDATA)>
<!ELEMENT rpc-reply-ok (#PCDATA)>
<!ELEMENT rpc-request (#PCDATA)>
<!ELEMENT rsh-drop-pkts (#PCDATA)>
<!ELEMENT rsh-freed-pkts (#PCDATA)>
<!ELEMENT rsh-invalid-pkts (#PCDATA)>
<!ELEMENT rsh-parse-fail-pkts (#PCDATA)>
<!ELEMENT rtcp-mbs (#PCDATA)>
<!ELEMENT rtcp-pdr (#PCDATA)>
<!ELEMENT rtcp-round-trip-delay (#PCDATA)>
<!ELEMENT rtcp-sdr (#PCDATA)>
<!ELEMENT rtcp-xr-ssrc (#PCDATA)>
<!ELEMENT rtsp-describe-msg-cnt (#PCDATA)>
<!ELEMENT rtsp-drop-packets (#PCDATA)>
<!ELEMENT rtsp-exceed-max-data-len (#PCDATA)>
<!ELEMENT rtsp-setup-msg-cnt (#PCDATA)>
<!ELEMENT rtsp-teardown-msg-cnt (#PCDATA)>
<!ELEMENT rule-entry (rule-name | rule-gateway-name | media-service-ref-entry)*>
<!ELEMENT rule-gateway-name (#PCDATA)>
<!ELEMENT rule-match-failed (#PCDATA)>
<!ELEMENT rule-match-succeeded (#PCDATA)>
<!ELEMENT rule-name (#PCDATA)>
<!ELEMENT rule-ref-entry (rule-ref-name)*>
<!ELEMENT rule-ref-name (#PCDATA)>
<!ELEMENT rx-errors (#PCDATA)>
<!ELEMENT secondary-pic (#PCDATA)>
<!ELEMENT sequencer-entries (sequencer-entry)*>
<!ELEMENT sequencer-entry (cpu-name | idle | system | input-lfi | input-fragments
| output-fragments | output-retry)*>
<!ELEMENT service-bsg-debug-method-invoker
(service-bsg-debug-method-invoker-result)*>
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<!ELEMENT service-bsg-debug-method-invoker-result (#PCDATA)>

<!ELEMENT service-cos-statistics-entry (interface-name | service-set-name |
cos-stats-service-set-dscp-information |
cos-stats-service-set-forwarding-class-information)*>

<!ELEMENT service-cos-statistics-information (service-cos-statistics-entry)*>
<!ATTLIST service-cos-statistics-information junos:style CDATA #IMPLIED>

<!ELEMENT service-crtp-extensive-information (#PCDATA)>

<!ELEMENT service-crtp-flow-table (crtp-flow-entry)*>

<!ELEMENT service-crtp-flow-table-information (crtp-per-interface-flow-table)*>

<!ELEMENT service-crtp-params-information (#PCDATA)>

<!ELEMENT service-current-softwire-count (interface-name | service-set-name |
ds-lite-softwire-count | v6rd-softwire-count)*>

<!ELEMENT service-current-softwire-count-information
(service-current-softwire-count)*>

<!ELEMENT service-flow-analysis-information (flow-analysis-statistics-pic-info |
flow-analysis-statistics-entry | flow-analysis-num-flows-sec-samples-entry |
flow-analysis-num-flows-sec-entry | flow-analysis-protocol-lifetime-entry)*>

<!ELEMENT service-identification-statistics (interface-name | interfaces | packets
| bytes | errored-packets | errored-bytes | packet-processing-error |
errored-packets-tcp-malformed | errored-packets-wap-invalid-transaction |
errored-packets-wap-transaction-in-error |
errored-packets-http-transaction-in-error | header-examination-packets |
header-examination-bytes | header-examination-flow |
header-examination-flow-matched | header-examination-protocol-required |
header-examination-http-protocol-required |
header-examination-wap-protocol-required | protocol-inspected-flow |
protocol-inspection-flow | protocol-inspection-packets | protocol-inspection-bytes
| protocol-inspection-flow-protocol-identified | protocol-inspection-http-uri |
protocol-inspection-http-uri-matched | protocol-inspection-wap-uri |
protocol-inspection-wap-uri-matched | wap-transaction-created |
wap-transaction-maximum | wap-transaction-freed | wap-transaction-idle-freed |
http-transaction-created | http-transaction-maximum | http-transaction-freed |
http-transaction-idle-freed | uri-processing-error | uri-error-failed-to-process
| uri-error-too-long | transaction-error-failed-to-parse |
uri-error-no-system-resources | header-examination-failed-configuration |
uri-examination-failed-configuration)*>

<!ELEMENT service-identification-statistics-information
(service-identification-statistics)*>

<!ELEMENT service-ids-flow-table-information (ids-show-summary |
ids-per-service-set-flow-table)*>

<!ELEMENT service-interface (#PCDATA)>

<!ELEMENT service-l2tp-destination-clear-information
(l2tp-destination-clear-entry)*>

<!ELEMENT service-l2tp-destination-information (l2tp-destination-table)*>

<!ELEMENT service-l2tp-lac-summary-information (l2tp-lac-summary-table)*>
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<!ELEMENT service-l2tp-multilink-clear-information (l2tp-multilink-clear-entry)*>

<!ELEMENT service-l2tp-session-clear-information (l2tp-session-clear-entry)*>

<!ELEMENT service-l2tp-session-information (l2tp-per-tunnel-session-table)*>

<!ELEMENT service-l2tp-summary-information (l2tp-summary-table)*>

<!ELEMENT service-l2tp-tunnel-clear-information (l2tp-tunnel-clear-entry)*>

<!ELEMENT service-l2tp-tunnel-information (l2tp-per-tunnel-group-tunnel-table)*>

<!ELEMENT service-l2tp-user-information (l2tp-per-tunnel-user-table)*>

<!ELEMENT service-msp-alg-conversation-information (interface-name |
msp-alg-conv-all-entry | msp-alg-conv-all-extensive-entry |
msp-alg-conv-summary-entry | msp-alg-conv-groups-entry |
msp-alg-conv-group-num-entry | msp-alg-conv-resources-entry |
msp-alg-conv-resource-num-entry)*>

<!ELEMENT service-msp-alg-stats-information (interface-name | msp-alg-rsh-entry
| msp-alg-dns-entry | msp-alg-pptp-entry | msp-alg-rtsp-entry | msp-alg-ftp-entry
| msp-alg-talk-entry | msp-alg-sql-entry | msp-alg-dce-rpc-portmap-entry |
msp-alg-dce-rpc-entry | msp-alg-rpc-portmap-entry | msp-alg-rpc-entry |
msp-alg-sip-entry)*>

<!ELEMENT service-msp-flow-drain (interface-name | service-set-name |
flows-removed)*>

<!ELEMENT service-msp-flow-drain-information (service-msp-flow-drain)*>

<!ELEMENT service-msp-sess-count (interface-name | service-set-name | sess-count)*>

<!ELEMENT service-msp-sess-count-information (service-msp-sess-count)*>

<!ELEMENT service-msp-sess-table-information (msp-per-service-set-sess-table)*>

<!ELEMENT service-nat-ipv6-multicast-interfaces (v6-multicast-interface-name |
v6-multicast-configured-status | v6-multicast-operation-status |
v6-multicast-by-all)*>

<!ELEMENT service-nat-ipv6-multicast-interfaces-information
(service-nat-ipv6-multicast-interfaces)*>
<!ATTLIST service-nat-ipv6-multicast-interfaces-information junos:style CDATA
#IMPLIED>

<!ELEMENT service-nat-mapping-information (natmapping-address-mapping |
sfw-per-service-set-nat-mapping | natmapping-summary)*>

<!ELEMENT service-nat-pool (pool-name | translation-type | pool-address-start |
pool-address-end | pool-address-range | pool-address-range-list | pool-port-low
| pool-port-high | pool-port-range | pool-ports-in-use | pool-out-of-port-errors
| pool-out-of-address-errors | pool-max-ports-in-use | pool-addresses-in-use |
port-block-size | active-block-timeout | max-blocks-per-address |
effective-port-blocks | effective-ports | max-port-blocks-used | port-blocks-in-use
| port-block-allocation-errors | effective-pba-port-range |
port-block-efficiency)*>

<!ELEMENT service-nat-pool-information (sfw-per-service-set-nat-pool)*>

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<!ELEMENT service-nat-pool-map (pool-name | natmapping-address-mapping)*>

<!ELEMENT service-nat-statistics-clear-information (clear-nat-statistics-status)*>

<!ELEMENT service-nat-statistics-information (interface-name |
query-unsupported-msg | nat-total-session-accepts | nat-total-session-discards |
nat-total-session-ignores | nat-session-accepts-due-to-alg |
nat-pkt-dst-in-nat-route | nat-session-ext-alloc-failures |
nat-map-allocation-successes | nat-map-allocation-failures |
nat-total-pkts-processed | nat-total-pkts-forwarded | nat-total-pkts-discarded |
nat-total-pkts-translated | nat-total-pkts-restored | nat-src-ipv4-translations
| nat-src-ipv4-restorations | nat-dst-ipv4-translations |
nat-dst-ipv4-restorations | nat-src-port-translations | nat-src-port-restorations
| nat-dst-port-translations | nat-dst-port-restorations | nat-icmp-id-translations
| nat-icmp-id-restorations | nat-icmp-error-translations |
nat-tcp-port-translations | nat-tcp-port-restorations | nat-udp-port-translations
| nat-udp-port-restorations | nat-gre-call-id-translations |
nat-gre-call-id-restorations)*>

<!ELEMENT service-pgcp-conversation-information
(pgcp-per-service-set-conversation)*>

<!ELEMENT service-pgcp-debug-applicationq-latency
(debug-applicationq-latency-information)*>

<!ELEMENT service-pgcp-debug-applicationq-size
(debug-applicationq-size-information)*>

<!ELEMENT service-pgcp-debug-commit-latency (debug-commit-latency-information)*>

<!ELEMENT service-pgcp-debug-mem-mgmt-location
(debug-mem-mgmt-location-information)*>

<!ELEMENT service-pgcp-debug-mem-mgmt-memory-usage
(debug-mem-mgmt-memory-usage-information)*>

<!ELEMENT service-pgcp-debug-mem-mgmt-type (debug-mem-mgmt-type-information)*>

<!ELEMENT service-pgcp-debug-profiling-applicationq-latency-information (#PCDATA)>

<!ELEMENT service-pgcp-debug-profiling-datastore-commit-latency-information
(#PCDATA)>

<!ELEMENT service-pgcp-debug-profiling-resumeq-latency-information (#PCDATA)>

<!ELEMENT service-pgcp-debug-profiling-waitq-latency-information (#PCDATA)>

<!ELEMENT service-pgcp-debug-profiling-workq-latency-information (#PCDATA)>

<!ELEMENT service-pgcp-debug-resumeq-latency (debug-resumeq-latency-information)*>

<!ELEMENT service-pgcp-debug-resumeq-size (debug-resumeq-size-information)*>

<!ELEMENT service-pgcp-debug-roundtrip (debug-roundtrip-information)*>

<!ELEMENT service-pgcp-debug-waitq-latency (debug-waitq-latency-information)*>

<!ELEMENT service-pgcp-debug-waitq-size (debug-waitq-size-information)*>

<!ELEMENT service-pgcp-debug-workq-latency (debug-workq-latency-information)*>
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<!ELEMENT service-pgcp-debug-workq-size (debug-workq-size-information)*>

<!ELEMENT service-pgcp-error-reply (service-pgcp-error-reply-message)*>

<!ELEMENT service-pgcp-error-reply-message (#PCDATA)>

<!ELEMENT service-pgcp-flow-count (interface-name | service-set-name |
flow-count)*>

<!ELEMENT service-pgcp-flow-count-information (service-pgcp-flow-count)*>

<!ELEMENT service-pgcp-flow-table (pgcp-flow-entry)*>
<ATTLIST service-pgcp-flow-table heading CDATA #IMPLIED>

<!ELEMENT service-pgcp-flow-table-information (pgcp-per-service-set-flow-table)*>

<!ELEMENT service-pgcp-gate-entry-information (gate-id | gate-state |
gate-direction | gate-action | source-routing-instance |
destination-routing-instance | gate-service-set-id | media-card-name |
media-handler-name | termination-id-string | gate-remote-source-address |
gate-remote-source-port | gate-remote-destination-address |
gate-remote-destination-port | gate-local-source-address | gate-local-source-port
| gate-local-destination-address | gate-local-destination-port | gate-transport
| gate-rtcp-shadow | gate-latch | gate-dscp | gate-tman-policing | gate-sdr |
gate-pdr | gate-mbs | rtcp-sdr | rtcp-pdr | rtcp-mbs | gate-fuf-policing |
gate-green-action | gate-yellow-action | gate-red-action | gate-output-packets |
gate-input-packets | gate-dropped-packets | gate-lost-rtp-packets |
gate-fractional-lost-rtp-packets | gate-rtcp-information | gate-measured-rate |
service-rate-limit-information | gate-fuf-statistics-information |
gate-mirroring-state | gate-mirroring-correlation-number | gate-mirroring-target-id
| gate-mirroring-direction | gate-srtp-stats-information |
gate-srtp-stats-information)*>

<!ELEMENT service-pgcp-gates (gateway-entry | service-pgcp-gate-entry-information
| service-pgcp-gates-count)*>
<ATTLIST service-pgcp-gates junos:style CDATA #IMPLIED>

<!ELEMENT service-pgcp-gates-count (gate-count | gateway-name)*>

<!ELEMENT service-pgcp-gates-drain-information (gateway-collections-number)*>

<!ELEMENT service-pgcp-stat-h248-per-command (command-name | commands-total |
commands-wildcard | commands-success | commands-error)*>

<!ELEMENT service-pgcp-stat-h248-per-command-header (per-command-header-name)*>

<!ELEMENT service-pgcp-statistics-drain-information (#PCDATA)>

<!ELEMENT service-pgcp-statistics-gateway (pgcp-statistics-since | gateway-entry
| service-pic-entry | services-pgcp-traffic-entry |
services-pgcp-dropped-traffic-entry | usage-counters-entry |
service-pgcp-statistics-h248 | service-pgcp-stat-h248-per-command-header |
service-pgcp-stat-h248-per-command)*>

<!ELEMENT service-pgcp-statistics-h248 (messages-received | octets-received |
messages-sent | octets-sent | protocol-errors | transport-losses |
last-detected-event | last-detected-event-time | last-reset-time)*>

<!ELEMENT service-pgcp-termination-entry-information (termination-id-string |
termination-state | termination-duration | termination-h248-dump)*>

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<!ELEMENT service-pgcp-termination-gates-information (gate-id | gate-direction |
gate-state | gate-action)*>

<!ELEMENT service-pgcp-terminations (gateway-entry |
service-pgcp-termination-entry-information |
service-pgcp-termination-gates-information | service-pgcp-terminations-count)*>
<!-- junos:style CDATA #IMPLIED -->

<!ELEMENT service-pgcp-terminations-count (termination-count | gateway-name)*>

<!ELEMENT service-pic-entry (pic-name | pic-status | pic-redundancy-state |
primary-pic | secondary-pic | pic-ha-state | last-change)*>

<!ELEMENT service-point-direction (#PCDATA)>

<!ELEMENT service-rate-limit-byte-count (#PCDATA)>

<!ELEMENT service-rate-limit-entry (service-rate-limit-mark-color |
service-rate-limit-packet-count | service-rate-limit-byte-count)*>

<!ELEMENT service-rate-limit-information (service-rate-limit-entry)*>

<!ELEMENT service-rate-limit-mark-color (#PCDATA)>

<!ELEMENT service-rate-limit-packet-count (#PCDATA)>

<!ELEMENT service-set-bytes-used (#PCDATA)>

<!ELEMENT service-set-cpu-statistics (service-set-name | interface-name |
cpu-utilization-percent)*>

<!ELEMENT service-set-cpu-statistics-information (service-set-cpu-statistics)*>

<!ELEMENT service-set-cpu-utilization (#PCDATA)>

<!ELEMENT service-set-entry (service-set-name | id | rule-ref-entry)*>

<!ELEMENT service-set-memory-statistics (service-set-name | interface-name |
bytes-used)*>

<!ELEMENT service-set-memory-statistics-information
(service-set-memory-statistics)*>

<!ELEMENT service-set-name (#PCDATA)>

<!ELEMENT service-set-packet-drop-statistics (service-set-packet-drops)*>
<!-- junos:style CDATA #IMPLIED -->

<!ELEMENT service-set-packet-drops (service-set-name | interface-name |
cpulimit-drops | memlimit-drops | flowlimit-drops | tcplg-drops)*>

<!ELEMENT service-set-percent-bytes-used (#PCDATA)>

<!ELEMENT service-set-percent-policy-bytes-used (#PCDATA)>

<!ELEMENT service-set-plugin-information (service-set-name | service-set-state |
plugins-configured | plugin-name | plugin-id)*>

<!ELEMENT service-set-plugin-summary (interface-name |
service-set-plugin-information)*>
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<!ELEMENT service-set-policy-bytes-used (#PCDATA)>

<!ELEMENT service-set-service-type-entry (service-type | service-sets-configured
| service-set-bytes-used | service-set-percent-bytes-used |
service-set-cpu-utilization | service-set-policy-bytes-used |
service-set-percent-policy-bytes-used)*>

<!ELEMENT service-set-state (#PCDATA)>

<!ELEMENT service-set-summary-information (service-set-summary-information-entry)*>
<!ATTLIST service-set-summary-information junos:style CDATA #IMPLIED>

<!ELEMENT service-set-summary-information-entry (interface-name |
service-set-service-type-entry)*>

<!ELEMENT service-set-tcp-mss (service-set-name | interface-name | syn-received
| syn-modified)*>

<!ELEMENT service-set-tcp-mss-statistics (service-set-tcp-mss)*>

<!ELEMENT service-sets-configured (#PCDATA)>

<!ELEMENT service-sfw-conversation-information (sfw-per-service-set-conversation)*>

<!ELEMENT service-sfw-flow-count (interface-name | service-set-name | flow-count)*>

<!ELEMENT service-sfw-flow-count-information (service-sfw-flow-count)*>

<!ELEMENT service-sfw-flow-drain (interface-name | service-set-name |
conversations-removed)*>

<!ELEMENT service-sfw-flow-drain-information (service-sfw-flow-drain)*>

<!ELEMENT service-sfw-flow-table (sfw-flow-entry)*>
<!ATTLIST service-sfw-flow-table heading CDATA #IMPLIED>

<!ELEMENT service-sfw-flow-table-information (sfw-per-service-set-flow-table)*>

<!ELEMENT service-sfw-ha-statistics (compute-tx-flows | compute-rx-flows |
control-tx-flows | control-rx-flows | tcp-tx-flows | tcp-rx-flows | udp-tx-flows
| udp-rx-flows | compute-tx-pkts | compute-rx-pkts | control-tx-pkts |
control-rx-pkts | tcp-tx-pkts | tcp-rx-pkts | udp-tx-pkts | udp-rx-pkts |
compute-tx-bytes | compute-rx-bytes | control-tx-bytes | control-rx-bytes |
tcp-tx-bytes | tcp-rx-bytes | udp-tx-bytes | udp-rx-bytes | tx-errors | rx-errors
| num-of-nacks | extended-num-of-dirty-flows | brief-num-of-dirty-flows |
num-replicated-flows)*>

<!ELEMENT service-sfw-sip-call-count (interface-name | service-set-name |
sip-call-count)*>

<!ELEMENT service-sfw-sip-call-count-information (service-sfw-sip-call-count)*>

<!ELEMENT service-sfw-sip-call-drain (interface-name | service-set-name |
sip-calls-removed)*>

<!ELEMENT service-sfw-sip-call-drain-information (service-sfw-sip-call-drain)*>

<!ELEMENT service-sfw-sip-call-information (sfw-per-service-set-sip-calls)*>

<!ELEMENT service-sfw-sip-registration-count (interface-name | service-set-name
| sip-registration-count)*>

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<!ELEMENT service-sfw-sip-registration-count-information
(service-sfw-sip-registration-count)*>

<!ELEMENT service-sfw-sip-registration-drain (interface-name | service-set-name
| sip-registration-removed)*>

<!ELEMENT service-sfw-sip-registration-drain-information
(service-sfw-sip-registration-drain)*>

<!ELEMENT service-sfw-sip-registration-information
(sfw-per-service-set-sip-registrations)*>

<!ELEMENT service-sfw-statistics-entry (interface-name |
sfw-stats-service-set-entry)*>

<!ELEMENT service-sfw-statistics-information (service-sfw-statistics-entry)*>
<!-- ATTLLIST service-sfw-statistics-information junos:style CDATA #IMPLIED -->

<!ELEMENT service-software-6rd-statistics-entry (srv-pic-name | software-created
| software-deleted | flows-created | flows-deleted | slow-path | fast-path |
fast-path-encap | rule-match-succeeded | rule-match-failed |
flow-creation-failed-retry | slow-path-failed-retry | software-creation-failed |
flow-creation-failed | slow-path-failed | packet-not-ipv6-in-ipv4 |
slow-path-ipv6-next-header-offset | decap-packet-not-ipv6 |
no-space-for-outer-header | no-software-id | no-flow-extension |
icmpv4-dropped-packets)*>

<!ELEMENT service-software-6rd-statistics-information
(flow-analysis-statistics-pic-info | service-software-6rd-statistics-entry)*>

<!ELEMENT service-software-count (interface-name | service-set-name |
software-count)*>

<!ELEMENT service-software-count-information (service-software-count)*>

<!ELEMENT service-software-dslite-statistics-entry (srv-pic-name | software-created
| software-deleted | flows-created | flows-deleted | slow-path | fast-path |
fast-path-encap | rule-match-succeeded | rule-match-failed |
ipv6-packets-fragmented | flow-creation-failed-retry | slow-path-failed-retry |
software-creation-failed | flow-creation-failed | slow-path-failed |
packet-not-ipv4-in-ipv6 | ipv6-fragmentation-error |
slow-path-ipv6-next-header-offset | decap-packet-not-ipv4 |
fast-path-ipv6-next-header-offset | no-software-id | no-flow-extension |
flow-limit-exceeded)*>

<!ELEMENT service-software-dslite-statistics-information
(flow-analysis-statistics-pic-info | service-software-dslite-statistics-entry)*>

<!ELEMENT service-software-flow-table-information
(software-per-service-set-flow-table)*>

<!ELEMENT service-software-statistics-information
(service-software-dslite-statistics-entry |
service-software-6rd-statistics-entry)*>
<!-- ATTLLIST service-software-statistics-information junos:style CDATA #IMPLIED -->

<!ELEMENT service-software-table (software-entry | sfw-flow-entry)*>
<!-- ATTLLIST service-software-table heading CDATA #IMPLIED -->

<!ELEMENT service-software-table-information
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<software-per-service-set-flow-table)*>

<!ELEMENT service-state (#PCDATA)>

<!ELEMENT service-type (#PCDATA)>

<!ELEMENT services-l2tp-multilink-information (l2tp-multilink-entry)*>

<!ELEMENT services-l2tp-radius-accounting-servers-information
(radius-accounting-server-information-entry)*>

<!ELEMENT services-l2tp-radius-accounting-statistics-information
(radius-accounting-statistic-information-entry)*>

<!ELEMENT services-l2tp-radius-authentication-accounting-servers-information
(radius-authentication-server-information-entry |
radius-accounting-server-information-entry)*>

<!ELEMENT services-l2tp-radius-authentication-accounting-statistics-information
(radius-authentication-statistic-information-entry |
radius-accounting-statistic-information-entry)*>

<!ELEMENT services-l2tp-radius-authentication-servers-information
(radius-authentication-server-information-entry)*>

<!ELEMENT services-l2tp-radius-authentication-statistics-information
(radius-authentication-statistic-information-entry)*>

<!ELEMENT services-l2tp-radius-servers-information-table-header
(radius-server-information-table-header | radius-server-profile-name)*>

<!ELEMENT services-pgcp-dropped-traffic-entry (drop-packets-flow-drop-state |
drop-bytes-flow-drop-state | drop-packets-flow-rate-limit |
drop-bytes-flow-rate-limit | drop-packets-algs | drop-bytes-algs |
drop-packets-other | drop-bytes-other)*>

<!ELEMENT services-pgcp-traffic-entry (traffic-packets-recv | traffic-packets-sent
| traffic-bytes-recv | traffic-bytes-sent)*>

<!ELEMENT services-pgcpd-root-termination (root-termination-information)*>

<!ELEMENT sess-count (#PCDATA)>

<!ELEMENT session-id (#PCDATA)>

<!ELEMENT session-ids (#PCDATA)>

<!ELEMENT sessions-active (#PCDATA)>

<!ELEMENT sfw-conversation (sfw-flow-table-conv-alg | sfw-flow-table-conv-initiator
| sfw-flow-table-conv-responder | service-sfw-flow-table)*>

<!ELEMENT sfw-flow-destination-ip (#PCDATA)>

<!ELEMENT sfw-flow-destination-port (#PCDATA)>

<!ELEMENT sfw-flow-direction (#PCDATA)>

<!ELEMENT sfw-flow-entry (sfw-flow-protocol | sfw-flow-source-ip |
sfw-flow-source-port | sfw-flow-destination-ip | sfw-flow-destination-port |
sfw-flow-state | sfw-flow-direction | sfw-flow-frame-counter | sfw-flow-gate-id

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| sfw-flow-nat | sfw-flow-table-byte-count | sfw-flow-table-tcp-window-size |
sfw-flow-table-tcp-acknowledge | sfw-flow-table-tcp-tickle | sfw-flow-table-role
| sfw-flow-table-timeout | sfw-flow-table-protocol-detail | sfw-flow-nat-entry)*>

<!ELEMENT sfw-flow-frame-counter (#PCDATA)>

<!ELEMENT sfw-flow-gate-id (#PCDATA)>

<!ELEMENT sfw-flow-nat (sfw-flow-nat-type | sfw-flow-nat-ip | sfw-flow-nat-port
| sfw-flow-translated-ip | sfw-flow-translated-port)*>

<!ELEMENT sfw-flow-nat-ip (#PCDATA)>

<!ELEMENT sfw-flow-nat-port (#PCDATA)>

<!ELEMENT sfw-flow-nat-sw-nat-type (#PCDATA)>

<!ELEMENT sfw-flow-nat-type (#PCDATA)>

<!ELEMENT sfw-flow-protocol (#PCDATA)>

<!ELEMENT sfw-flow-source-ip (#PCDATA)>

<!ELEMENT sfw-flow-source-port (#PCDATA)>

<!ELEMENT sfw-flow-state (#PCDATA)>

<!ELEMENT sfw-flow-table-byte-count (#PCDATA)>

<!ELEMENT sfw-flow-table-conv-alg (#PCDATA)>

<!ELEMENT sfw-flow-table-conv-initiator (#PCDATA)>

<!ELEMENT sfw-flow-table-conv-responder (#PCDATA)>

<!ELEMENT sfw-flow-table-protocol-detail (#PCDATA)>

<!ELEMENT sfw-flow-table-role (#PCDATA)>

<!ELEMENT sfw-flow-table-tcp-acknowledge (#PCDATA)>

<!ELEMENT sfw-flow-table-tcp-tickle (#PCDATA)>

<!ELEMENT sfw-flow-table-tcp-window-size (#PCDATA)>

<!ELEMENT sfw-flow-table-timeout (#PCDATA)>

<!ELEMENT sfw-flow-translated-ip (#PCDATA)>

<!ELEMENT sfw-flow-translated-port (#PCDATA)>

<!ELEMENT sfw-per-service-set-conversation (service-set-name | interface-name |
sfw-conversation)*>

<!ELEMENT sfw-per-service-set-flow-table (service-set-name | interface-name |
service-sfw-flow-table)*>

<!ELEMENT sfw-per-service-set-nat-mapping (interface-name | service-set-name |
service-nat-pool-map)*>

<!ELEMENT sfw-per-service-set-nat-pool (service-set-name | interface-name |
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service-nat-pool)*>
<!ATTLIST sfw-per-service-set-nat-pool junos:style CDATA #IMPLIED>

<!ELEMENT sfw-per-service-set-sip-calls (interface-name | service-set-name |
sfw-sip-calls)*>

<!ELEMENT sfw-per-service-set-sip-registrations (interface-name | service-set-name
| sfw-sip-registers)*>

<!ELEMENT sfw-sip-call-entry (sfw-sip-from | sfw-sip-to | sfw-sip-callid |
sfw-sip-number-control-iflows | sfw-sip-number-control-rflows |
sfw-sip-control-iflow-table | sfw-sip-control-rflow-table |
sfw-sip-number-contact-iflows | sfw-sip-number-contact-rflows |
sfw-sip-contact-iflow-table | sfw-sip-contact-rflow-table |
sfw-sip-number-media-iflows | sfw-sip-number-media-rflows |
sfw-sip-media-iflow-table | sfw-sip-media-rflow-table)*>

<!ELEMENT sfw-sip-callid (#PCDATA)>

<!ELEMENT sfw-sip-calls (sfw-sip-call-entry)*>

<!ELEMENT sfw-sip-contact-iflow-table (#PCDATA)>

<!ELEMENT sfw-sip-contact-rflow-table (#PCDATA)>

<!ELEMENT sfw-sip-control-iflow-table (#PCDATA)>

<!ELEMENT sfw-sip-control-rflow-table (#PCDATA)>

<!ELEMENT sfw-sip-from (#PCDATA)>

<!ELEMENT sfw-sip-media-iflow-table (#PCDATA)>

<!ELEMENT sfw-sip-media-rflow-table (#PCDATA)>

<!ELEMENT sfw-sip-number-contact-iflows (#PCDATA)>

<!ELEMENT sfw-sip-number-contact-rflows (#PCDATA)>

<!ELEMENT sfw-sip-number-control-iflows (#PCDATA)>

<!ELEMENT sfw-sip-number-control-rflows (#PCDATA)>

<!ELEMENT sfw-sip-number-media-iflows (#PCDATA)>

<!ELEMENT sfw-sip-number-media-rflows (#PCDATA)>

<!ELEMENT sfw-sip-register-acked EMPTY>

<!ELEMENT sfw-sip-register-address (#PCDATA)>

<!ELEMENT sfw-sip-register-entry (sfw-sip-register-protocol |
sfw-sip-register-address | sfw-sip-register-port | sfw-sip-register-acked |
sfw-sip-register-expiration | sfw-sip-register-remaining | sfw-sip-from |
sfw-sip-to | sfw-sip-callid)*>

<!ELEMENT sfw-sip-register-expiration (#PCDATA)>

<!ELEMENT sfw-sip-register-port (#PCDATA)>

<!ELEMENT sfw-sip-register-protocol (#PCDATA)>

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<!ELEMENT sfw-sip-register-remaining (#PCDATA)>

<!ELEMENT sfw-sip-registers (sfw-sip-register-entry)*>

<!ELEMENT sfw-sip-to (#PCDATA)>

<!ELEMENT sfw-stats-service-set-entry (service-set-name | total-flow-accepts |
total-flow-discards | total-flow-rejects | total-drops | new-flow-counters |
existing-flow-counters | drop_counters | error-counters | ip-error-counters |
tcp-error-counters | udp-error-counters | icmp-error-counters | alg-error-counters
| alg-name | sip-active-call-count | sip-active-reg-count | sip-alg-counters)*>

<!ELEMENT sgp_default (#PCDATA)>

<!ELEMENT sgp_maximum (#PCDATA)>

<!ELEMENT sgp_minimum (#PCDATA)>

<!ELEMENT sgp_name (#PCDATA)>

<!ELEMENT si-nat-slow-path-pkts-dropped (#PCDATA)>

<!ELEMENT si-nat-slow-path-pkts-rcvd (#PCDATA)>

<!ELEMENT signal-level (#PCDATA)>

<!ELEMENT sip-active-call-count (#PCDATA)>

<!ELEMENT sip-active-reg-count (#PCDATA)>

<!ELEMENT sip-alg-counters (total-counters | parser-counters | message-counters)*>
<!ATTLIST sip-alg-counters junos:style CDATA #IMPLIED>

<!ELEMENT sip-call-count (#PCDATA)>

<!ELEMENT sip-calls-removed (#PCDATA)>

<!ELEMENT sip-contact-hdr-exceed-max (#PCDATA)>

<!ELEMENT sip-decoding-error (#PCDATA)>

<!ELEMENT sip-dscp-marked (#PCDATA)>

<!ELEMENT sip-dscp-marked-err (#PCDATA)>

<!ELEMENT sip-invite-drop-call-limit (#PCDATA)>

<!ELEMENT sip-msgs-not-processed (#PCDATA)>

<!ELEMENT sip-nat-err (#PCDATA)>

<!ELEMENT sip-out-of-state (#PCDATA)>

<!ELEMENT sip-pkts-drop (#PCDATA)>

<!ELEMENT sip-registration-count (#PCDATA)>

<!ELEMENT sip-registration-removed (#PCDATA)>

<!ELEMENT sip-rr-hdr-exceed-max (#PCDATA)>
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<!ELEMENT sip-unexpect-req-drop (#PCDATA)>
<!ELEMENT sip-unexpect-res-drop (#PCDATA)>
<!ELEMENT sip-unknown-pkts-drop (#PCDATA)>
<!ELEMENT slow-path (#PCDATA)>
<!ELEMENT slow-path-discard (#PCDATA)>
<!ELEMENT slow-path-failed (#PCDATA)>
<!ELEMENT slow-path-failed-retry (#PCDATA)>
<!ELEMENT slow-path-forward (#PCDATA)>
<!ELEMENT slow-path-ipv6-next-header-offset (#PCDATA)>
<!ELEMENT softwire-count (#PCDATA)>
<!ELEMENT softwire-created (#PCDATA)>
<!ELEMENT softwire-creation-failed (#PCDATA)>
<!ELEMENT softwire-deleted (#PCDATA)>
<!ELEMENT softwire-destination-ip (#PCDATA)>
<!ELEMENT softwire-direction (#PCDATA)>
<!ELEMENT softwire-entry (softwire-source-ip | softwire-destination-ip |
softwire-direction | softwire-flow-count | softwire-table-timeout)*>
<!ELEMENT softwire-flow-count (#PCDATA)>
<!ELEMENT softwire-per-service-set-flow-table (service-set-name | interface-name
| service-softwire-table)*>
<!ELEMENT softwire-source-ip (#PCDATA)>
<!ELEMENT softwire-table-timeout (#PCDATA)>
<!ELEMENT source-routing-instance (#PCDATA)>
<!ELEMENT sql-freed-pkts (#PCDATA)>
<!ELEMENT sql-gate-fail-errs (#PCDATA)>
<!ELEMENT sql-parse-fail-pkts (#PCDATA)>
<!ELEMENT sql-rcvd-pkts (#PCDATA)>
<!ELEMENT src-ip-high (#PCDATA)>
<!ELEMENT src-ip-low (#PCDATA)>
<!ELEMENT src-port-high (#PCDATA)>
<!ELEMENT src-port-low (#PCDATA)>
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<!ELEMENT srv-pic-name (#PCDATA)>

<!ELEMENT subscribe-invalid (#PCDATA)>

<!ELEMENT subscribe-valid (#PCDATA)>

<!ELEMENT sw-flow-nat-entry (sfw-flow-nat-sw-nat-type | sfw-flow-nat-ip |
sfw-flow-nat-port | sfw-flow-translated-ip | sfw-flow-translated-port)*>

<!ELEMENT syn-attack (#PCDATA)>

<!ELEMENT syn-defense (#PCDATA)>

<!ELEMENT syn-modified (#PCDATA)>

<!ELEMENT syn-received (#PCDATA)>

<!ELEMENT synchronization-state (#PCDATA)>

<!ELEMENT syntax-errors (#PCDATA)>

<!ELEMENT syslog-stats-class (syslog-stats-class-name | syslog-stats-class-sent
| syslog-stats-class-dropped | syslog-stats-class-dropped-low-priority |
syslog-stats-class-dropped-no-class-set |
syslog-stats-class-dropped-above-rate-limit)*>

<!ELEMENT syslog-stats-class-dropped (#PCDATA)>

<!ELEMENT syslog-stats-class-dropped-above-rate-limit (#PCDATA)>

<!ELEMENT syslog-stats-class-dropped-low-priority (#PCDATA)>

<!ELEMENT syslog-stats-class-dropped-no-class-set (#PCDATA)>

<!ELEMENT syslog-stats-class-name (#PCDATA)>

<!ELEMENT syslog-stats-class-sent (#PCDATA)>

<!ELEMENT syslog-stats-global (syslog-stats-global-rate-limit |
syslog-stats-global-sent | syslog-stats-global-dropped)*>

<!ELEMENT syslog-stats-global-dropped (#PCDATA)>

<!ELEMENT syslog-stats-global-rate-limit (#PCDATA)>

<!ELEMENT syslog-stats-global-sent (#PCDATA)>

<!ELEMENT syslog-stats-interface (syslog-stats-interface-name)*>

<!ELEMENT syslog-stats-interface-name (#PCDATA)>

<!ELEMENT syslog-stats-service-set (syslog-stats-svc-set-name |
syslog-stats-svc-set-sent | syslog-stats-svc-set-dropped)*>

<!ELEMENT syslog-stats-svc-set-dropped (#PCDATA)>

<!ELEMENT syslog-stats-svc-set-name (#PCDATA)>

<!ELEMENT syslog-stats-svc-set-sent (#PCDATA)>

<!ELEMENT system (#PCDATA)>
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<!ELEMENT talk-announce-pkts (#PCDATA)>

<!ELEMENT talk-delete-pkts (#PCDATA)>

<!ELEMENT talk-lookup-pkts (#PCDATA)>

<!ELEMENT tcp-3way-error-client-sent-syn-ack (#PCDATA)>

<!ELEMENT tcp-3way-error-fin-received (#PCDATA)>

<!ELEMENT tcp-3way-error-first-packet-ack (#PCDATA)>

<!ELEMENT tcp-3way-error-first-packet-fin (#PCDATA)>

<!ELEMENT tcp-3way-error-first-packet-fin-ack (#PCDATA)>

<!ELEMENT tcp-3way-error-first-packet-invalid-flags (#PCDATA)>

<!ELEMENT tcp-3way-error-first-packet-rst (#PCDATA)>

<!ELEMENT tcp-3way-error-first-packet-syn-ack (#PCDATA)>

<!ELEMENT tcp-3way-error-invalid-flags (#PCDATA)>

<!ELEMENT tcp-3way-error-rst-seq-num-mismatch (#PCDATA)>

<!ELEMENT tcp-3way-error-server-sent-ack (#PCDATA)>

<!ELEMENT tcp-3way-error-syn-no-flow-initiator (#PCDATA)>

<!ELEMENT tcp-3way-error-syn-seq-num-retrans-mismatch (#PCDATA)>

<!ELEMENT tcp-close-error-no-final-ack (#PCDATA)>

<!ELEMENT tcp-error-counters (tcp-header-length-error | tcp-zero-port |
illegal-sequence-number-flags | syn-attack | non-syn-first-packet | tcp-port-scan
| bad-syn-cookie-response | tcp-recon-sequence-number-error |
tcp-recon-retransmits | tcp-partially-opened-connection-timeout-syn-rcvd |
tcp-partially-opened-connection-timeout-syn-ack-rcvd |
tcp-partially-closed-connection-reuse | tcp-3way-error-client-sent-syn-ack |
tcp-3way-error-server-sent-ack | tcp-3way-error-syn-seq-num-retrans-mismatch |
tcp-3way-error-rst-seq-num-mismatch | tcp-3way-error-fin-received |
tcp-3way-error-invalid-flags | tcp-3way-error-syn-no-flow-initiator |
tcp-3way-error-first-packet-syn-ack | tcp-3way-error-first-packet-fin-ack |
tcp-3way-error-first-packet-fin | tcp-3way-error-first-packet-rst |
tcp-3way-error-first-packet-ack | tcp-3way-error-first-packet-invalid-flags |
tcp-close-error-no-final-ack | tcp-resumed-flow)*>

<!ELEMENT tcp-errors (#PCDATA)>

<!ELEMENT tcp-header-length-error (#PCDATA)>

<!ELEMENT tcp-partially-closed-connection-reuse (#PCDATA)>

<!ELEMENT tcp-partially-opened-connection-timeout-syn-ack-rcvd (#PCDATA)>

<!ELEMENT tcp-partially-opened-connection-timeout-syn-rcvd (#PCDATA)>

<!ELEMENT tcp-port-scan (#PCDATA)>

```

```
<!ELEMENT tcp-recon-retransmits (#PCDATA)>
<!ELEMENT tcp-recon-sequence-number-error (#PCDATA)>
<!ELEMENT tcp-resumed-flow (#PCDATA)>
<!ELEMENT tcp-rx-bytes (#PCDATA)>
<!ELEMENT tcp-rx-flows (#PCDATA)>
<!ELEMENT tcp-rx-pkts (#PCDATA)>
<!ELEMENT tcp-tx-bytes (#PCDATA)>
<!ELEMENT tcp-tx-flows (#PCDATA)>
<!ELEMENT tcp-tx-pkts (#PCDATA)>
<!ELEMENT tcp-zero-port (#PCDATA)>
<!ELEMENT tcpalg-drops (#PCDATA)>
<!ELEMENT termination-count (#PCDATA)>
<!ELEMENT termination-duration (#PCDATA)>
<!ELEMENT termination-h248-dump (#PCDATA)>
<!ELEMENT termination-id-string (#PCDATA)>
<!ELEMENT termination-state (#PCDATA)>
<!ELEMENT timer (#PCDATA)>
<!ELEMENT tmax-retransmission-delay (#PCDATA)>
<!ELEMENT total-assigned-forwarding-class-packets (#PCDATA)>
<!ELEMENT total-counters (total-messages | call-segments)*>
<!ELEMENT total-drops (#PCDATA)>
<!ELEMENT total-flow-accepts (#PCDATA)>
<!ELEMENT total-flow-discards (#PCDATA)>
<!ELEMENT total-flow-rejects (#PCDATA)>
<!ELEMENT total-marked-dscp-packets (#PCDATA)>
<!ELEMENT total-messages (#PCDATA)>
<!ELEMENT total-received-dscp-packets (#PCDATA)>
<!ELEMENT total-received-forwarding-class-packets (#PCDATA)>
<!ELEMENT traffic-bytes-recv (#PCDATA)>
<!ELEMENT traffic-bytes-sent (#PCDATA)>
<!ELEMENT traffic-packets-recv (#PCDATA)>
```

```
<!ELEMENT traffic-packets-sent (#PCDATA)>

<!ELEMENT transaction-error-failed-to-parse (#PCDATA)>

<!ELEMENT translated-dst-ip (#PCDATA)>

<!ELEMENT translated-dst-port (#PCDATA)>

<!ELEMENT translated-src-ip (#PCDATA)>

<!ELEMENT translated-src-port (#PCDATA)>

<!ELEMENT translation-type (#PCDATA)>

<!ELEMENT transport-losses (#PCDATA)>

<!ELEMENT ttl-zero (#PCDATA)>

<!ELEMENT tunnel-group-name (#PCDATA)>

<!ELEMENT tx-errors (#PCDATA)>

<!ELEMENT udp-error-counters (udp-header-length-error | udp-zero-port |
udp-port-scan)*>

<!ELEMENT udp-errors (#PCDATA)>

<!ELEMENT udp-flow-lifetime-120s-240s (#PCDATA)>

<!ELEMENT udp-flow-lifetime-15s-30s (#PCDATA)>

<!ELEMENT udp-flow-lifetime-1s-5s (#PCDATA)>

<!ELEMENT udp-flow-lifetime-1s-minus (#PCDATA)>

<!ELEMENT udp-flow-lifetime-240s-plus (#PCDATA)>

<!ELEMENT udp-flow-lifetime-30s-60s (#PCDATA)>

<!ELEMENT udp-flow-lifetime-5s-15s (#PCDATA)>

<!ELEMENT udp-flow-lifetime-60s-120s (#PCDATA)>

<!ELEMENT udp-header-length-error (#PCDATA)>

<!ELEMENT udp-port-scan (#PCDATA)>

<!ELEMENT udp-rx-bytes (#PCDATA)>

<!ELEMENT udp-rx-flows (#PCDATA)>

<!ELEMENT udp-rx-pkts (#PCDATA)>

<!ELEMENT udp-tx-bytes (#PCDATA)>

<!ELEMENT udp-tx-flows (#PCDATA)>

<!ELEMENT udp-tx-pkts (#PCDATA)>

<!ELEMENT udp-zero-port (#PCDATA)>
```

```
<!ELEMENT unknown (#PCDATA)>

<!ELEMENT unknown-methods (#PCDATA)>

<!ELEMENT up-time (#PCDATA)>
<ATTLIST up-time junos:seconds CDATA #IMPLIED>

<!ELEMENT update-invalid (#PCDATA)>

<!ELEMENT update-valid (#PCDATA)>

<!ELEMENT uri-error-failed-to-process (#PCDATA)>

<!ELEMENT uri-error-no-system-resources (#PCDATA)>

<!ELEMENT uri-error-too-long (#PCDATA)>

<!ELEMENT uri-examination-failed-configuration (#PCDATA)>

<!ELEMENT uri-processing-error (#PCDATA)>

<!ELEMENT uri-redirect-set-name (#PCDATA)>

<!ELEMENT uri-redirect-set-statistics (uri-redirect-set-name | cause-roaming |
cause-time-of-day | cause-quality-of-service | cause-volume-expired |
cause-cost-warning | cause-not-allowed | cause-unsubscribed | cause-credit-expiry
| cause-unknown | cause-default)*>

<!ELEMENT uri-redirect-set-statistics-information (interface-name | interfaces |
uri-redirect-set-statistics)*>

<!ELEMENT usage-counters-entry (contexts-number | emergency-contexts-number)*>

<!ELEMENT v6-multicast-by-all (#PCDATA)>

<!ELEMENT v6-multicast-configured-status (#PCDATA)>

<!ELEMENT v6-multicast-interface-name (#PCDATA)>

<!ELEMENT v6-multicast-operation-status (#PCDATA)>

<!ELEMENT v6rd-software-count (#PCDATA)>

<!ELEMENT vif-service-state (#PCDATA)>

<!ELEMENT virtual-interface-entry (virtual-interface-name | routing-instance |
interface-name | vif-service-state | media-service-ref-entry)*>

<!ELEMENT virtual-interface-name (#PCDATA)>

<!ELEMENT wap-transaction-created (#PCDATA)>

<!ELEMENT wap-transaction-freed (#PCDATA)>

<!ELEMENT wap-transaction-idle-freed (#PCDATA)>

<!ELEMENT wap-transaction-maximum (#PCDATA)>
```

<!ELEMENT wildcard-response-service-change (#PCDATA)>



## CHAPTER 19

# DTD for Alarm Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-alarm.dtd`, which lists the Junos XML tags that contain information about Junos OS alarms. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-alarm.dtd -->

<!ELEMENT active-alarm-count (#PCDATA)>

<!ELEMENT alarm-class (#PCDATA)>

<!ELEMENT alarm-description (#PCDATA)>

<!ELEMENT alarm-detail (alarm-time | alarm-class | alarm-description |
alarm-short-description | alarm-type)*>

<!ELEMENT alarm-id (#PCDATA)>

<!ELEMENT alarm-id-information (alarm-id)*>

<!ELEMENT alarm-information (alarm-summary | alarm-detail)*>

<!ELEMENT alarm-short-description (#PCDATA)>

<!ELEMENT alarm-summary (active-alarm-count | no-active-alarms)*>

<!ELEMENT alarm-time (#PCDATA)>
<!ATTLIST alarm-time junos:seconds CDATA #IMPLIED>

<!ELEMENT alarm-type (#PCDATA)>

<!ELEMENT multi-routing-engine-item (re-name | alarm-information)*>

<!ELEMENT multi-routing-engine-results (multi-routing-engine-item)*>

<!ELEMENT no-active-alarms EMPTY>

<!ELEMENT re-name (#PCDATA)>
```





## CHAPTER 20

# DTD for ANCP Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-ancp.dtd`, which lists the Junos XML tags that contain information about ANCP. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-ancp.dtd -->

<!ELEMENT accept-config-deny-count (#PCDATA)>

<!ELEMENT accept-count (#PCDATA)>

<!ELEMENT accept-fail-count (#PCDATA)>

<!ELEMENT access-aggregate-circuit-binary-identifier (#PCDATA)>

<!ELEMENT access-aggregate-circuit-identifier (#PCDATA)>

<!ELEMENT access-loop-identifier (#PCDATA)>

<!ELEMENT access-loop-remote-identifier (#PCDATA)>

<!ELEMENT actual-interleave-delay-downstream (#PCDATA)>

<!ELEMENT actual-interleave-delay-upstream (#PCDATA)>

<!ELEMENT actual-net-data-downstream (#PCDATA)>

<!ELEMENT actual-net-data-upstream (#PCDATA)>

<!ELEMENT adjacency-time (#PCDATA)>

<!ELEMENT adjacency-timer (#PCDATA)>

<!ELEMENT aid-ipaddress (#PCDATA)>

<!ELEMENT aid-name (#PCDATA)>

<!ELEMENT ancp-aid-entry (if-type | record-number | if-name | aid-name |
aid-ipaddress | kernel-exist | config-exist)*>

<!ELEMENT ancp-aid-information (ancp-aid-entry)*>
```

```
<!--ELEMENT ancp-config-entry (if-type | record-number | if-name | aid-name | aid-ipaddress)*-->

<!--ELEMENT ancp-config-information (ancp-scalar-entry | ancp-config-entry)*-->

<!--ELEMENT ancp-cos-entry (interface-type | interface-name | interface-index | shaping-rate | last-update)*-->

<!--ELEMENT ancp-cos-heading (qos-adjust | cos-state | connect-time | session-time | rtcreate-time | keepalive-time | rate-update-time | keepalive-timer)*-->

<!--ELEMENT ancp-cos-information (ancp-cos-heading | ancp-cos-entry)*-->

<!--ELEMENT ancp-kernel-entry (if-type | record-number | if-name | if-index | aid-name | aid-ipaddress)*-->

<!--ELEMENT ancp-kernel-information (ancp-kernel-entry)*-->

<!--ELEMENT ancp-neighbor (received-syn-count | received-synack-count | received-ack-count | received-rstack-count | received-port-up-count | received-port-down-count | received-other-count | sent-syn-count | sent-synack-count | sent-ack-count | sent-rstack-count | max-discovery-limit-exceed-count | ip-address | tcp-port | up-time | mac-address | state | neighbor-subscriber-count | system-instance | peer-instance | capabilities | adjacency-time | peer-adjacency-time | partition-type | partition-flag | partition-identifier | dead-time)*-->

<!--ELEMENT ancp-neighbor-adjacency-timer (#PCDATA)-->

<!--ELEMENT ancp-neighbor-configuration-entry (record-number | ancp-neighbor-ip | ancp-neighbor-discovery-mode | ancp-neighbor-ietf-mode | ancp-neighbor-adjacency-timer | ancp-neighbor-maximum-discovery-entries)*-->

<!--ELEMENT ancp-neighbor-configuration-information (ancp-neighbor-configuration-entry)*-->

<!--ELEMENT ancp-neighbor-discovery-mode (#PCDATA)-->

<!--ELEMENT ancp-neighbor-ietf-mode (#PCDATA)-->

<!--ELEMENT ancp-neighbor-information (ancp-neighbor)*-->
<!--ATTLIST ancp-neighbor-information junos:style CDATA #IMPLIED-->

<!--ELEMENT ancp-neighbor-ip (#PCDATA)-->

<!--ELEMENT ancp-neighbor-maximum-discovery-entries (#PCDATA)-->

<!--ELEMENT ancp-scalar-entry (qos-adjust | ietf-mode | adjacency-timer | maximum-discovery-entries-neighbor)*-->

<!--ELEMENT ancp-statistics-information (neighbor-count | subscriber-count | received-syn-count | received-synack-count | received-ack-count | received-rstack-count | received-port-up-count | received-port-down-count | received-other-count | sent-syn-count | sent-synack-count | sent-ack-count | sent-rstack-count | accept-count | accept-fail-count | accept-config-deny-count)*-->

<!--ELEMENT ancp-subscriber (access-loop-identifier | access-loop-remote-identifier | interface | interface-type | access-aggregate-circuit-identifier | access-aggregate-circuit-binary-identifier | dsl-type | actual-net-data-upstream | actual-net-data-downstream | minimum-net-data-upstream | minimum-net-data-downstream | maximum-net-data-upstream | maximum-net-data-downstream)*-->
```

```

maximum-net-data-downstream | attainable-net-data-upstream |
attainable-net-data-downstream | neighbor-ip-address |
minimum-low-power-data-upstream | minimum-low-power-data-downstream |
maximum-interleave-delay-downstream | maximum-interleave-delay-upstream |
actual-interleave-delay-downstream | actual-interleave-delay-upstream |
dsl-line-state | dsl-line-data-link | dsl-line-encapsulation |
dsl-line-encapsulation-payload)*>

<!ELEMENT ancp-subscriber-information (ancp-subscriber | ancp-neighbor)*>
<!ATTLIST ancp-subscriber-information junos:style CDATA #IMPLIED>

<!ELEMENT attainable-net-data-downstream (#PCDATA)>

<!ELEMENT attainable-net-data-upstream (#PCDATA)>

<!ELEMENT capabilities (#PCDATA)>

<!ELEMENT config-exist (#PCDATA)>

<!ELEMENT connect-time (#PCDATA)>

<!ELEMENT cos-state (#PCDATA)>

<!ELEMENT dead-time (#PCDATA)>

<!ELEMENT dsl-line-data-link (#PCDATA)>

<!ELEMENT dsl-line-encapsulation (#PCDATA)>

<!ELEMENT dsl-line-encapsulation-payload (#PCDATA)>

<!ELEMENT dsl-line-state (#PCDATA)>

<!ELEMENT dsl-type (#PCDATA)>

<!ELEMENT ietf-mode (#PCDATA)>

<!ELEMENT if-index (#PCDATA)>

<!ELEMENT if-name (#PCDATA)>

<!ELEMENT if-type (#PCDATA)>

<!ELEMENT interface (#PCDATA)>

<!ELEMENT interface-index (#PCDATA)>

<!ELEMENT interface-name (#PCDATA)>

<!ELEMENT interface-type (#PCDATA)>

<!ELEMENT ip-address (#PCDATA)>

<!ELEMENT keepalive-time (#PCDATA)>

<!ELEMENT keepalive-timer (#PCDATA)>

<!ELEMENT kernel-exist (#PCDATA)>

<!ELEMENT last-update (#PCDATA)>

```

```
<!ELEMENT mac-address (#PCDATA)>
<!ELEMENT max-discovery-limit-exceed-count (#PCDATA)>
<!ELEMENT maximum-discovery-entries-neighbor (#PCDATA)>
<!ELEMENT maximum-interleave-delay-downstream (#PCDATA)>
<!ELEMENT maximum-interleave-delay-upstream (#PCDATA)>
<!ELEMENT maximum-net-data-downstream (#PCDATA)>
<!ELEMENT maximum-net-data-upstream (#PCDATA)>
<!ELEMENT minimum-low-power-data-downstream (#PCDATA)>
<!ELEMENT minimum-low-power-data-upstream (#PCDATA)>
<!ELEMENT minimum-net-data-downstream (#PCDATA)>
<!ELEMENT minimum-net-data-upstream (#PCDATA)>
<!ELEMENT neighbor-count (#PCDATA)>
<!ELEMENT neighbor-ip-address (#PCDATA)>
<!ELEMENT neighbor-subscriber-count (#PCDATA)>
<!ELEMENT partition-flag (#PCDATA)>
<!ELEMENT partition-identifier (#PCDATA)>
<!ELEMENT partition-type (#PCDATA)>
<!ELEMENT peer-adjacency-time (#PCDATA)>
<!ELEMENT peer-instance (#PCDATA)>
<!ELEMENT qos-adjust (#PCDATA)>
<!ELEMENT rate-update-time (#PCDATA)>
<!ELEMENT received-ack-count (#PCDATA)>
<!ELEMENT received-other-count (#PCDATA)>
<!ELEMENT received-port-down-count (#PCDATA)>
<!ELEMENT received-port-up-count (#PCDATA)>
<!ELEMENT received-rstack-count (#PCDATA)>
<!ELEMENT received-syn-count (#PCDATA)>
<!ELEMENT received-synack-count (#PCDATA)>
<!ELEMENT record-number (#PCDATA)>
<!ELEMENT rtcreate-time (#PCDATA)>
<!ELEMENT sent-ack-count (#PCDATA)>
```

```
<!ELEMENT sent-rstack-count (#PCDATA)>  
<!ELEMENT sent-syn-count (#PCDATA)>  
<!ELEMENT sent-synack-count (#PCDATA)>  
<!ELEMENT session-time (#PCDATA)>  
<!ELEMENT shaping-rate (#PCDATA)>  
<!ELEMENT state (#PCDATA)>  
<!ELEMENT subscriber-count (#PCDATA)>  
<!ELEMENT system-instance (#PCDATA)>  
<!ELEMENT tcp-port (#PCDATA)>  
<!ELEMENT up-time (#PCDATA)>
```



## CHAPTER 21

# DTD for APPIDD Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-appidd.dtd`, which lists the Junos XML tags that contain information about APPIDD. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-appidd.dtd -->

<!ELEMENT address-matched-sessions (#PCDATA)>

<!ELEMENT address-unknown-sessions (#PCDATA)>

<!ELEMENT appid-application (#PCDATA)>

<!ELEMENT appid-application-group-statistics (application-name | sessions |
bytes)*>

<!ELEMENT appid-application-group-statistics-information (last-reset-group-stats
| appid-application-group-statistics)*>

<!ELEMENT appid-application-signature (application-signature-summary |
application-group-summary | application-signature-detail |
nested-application-signature-detail)*>

<!ELEMENT appid-application-statistics (application-name | sessions | bytes)*>

<!ELEMENT appid-application-statistics-information (last-reset-stats |
appid-application-statistics)*>

<!ELEMENT appid-application-system-cache (ip-address | port | protocol |
appid-service | appid-application | cpu-id)*>

<!ELEMENT appid-application-system-cache-information (pic |
appid-application-system-cache)*>

<!ELEMENT appid-application-system-cache-information-usp
(appid-cache-configuration-usp | pic | appid-application-system-cache-usp)*>

<!ELEMENT appid-application-system-cache-usp (virtual-system-identifier |
ip-address | ipv6-address | port | protocol | index | appid-application |
application-groups)*>

<!ELEMENT appid-apppack-uninstall (appid-apppack-uninstall-detail)*>
```

```
<!ELEMENT appid-apppack-uninstall-detail (#PCDATA)>

<!ELEMENT appid-asc-enable (#PCDATA)>

<!ELEMENT appid-cache-configuration-usp (appid-asc-enable | appid-nested-asc-enable
| appid-cache-unknown | appid-cache-timeout)*>

<!ELEMENT appid-cache-timeout (#PCDATA)>

<!ELEMENT appid-cache-unknown (#PCDATA)>

<!ELEMENT appid-counter (pic | total-sessions | total-matched-sessions |
total-unknown-sessions | signature-matched-sessions |
uni-signature-matched-sessions | signature-unknown-sessions |
signature-encrypted-sessions | signature-p2p-sessions | address-matched-sessions
| address-unknown-sessions | port-matched-sessions | port-unknown-sessions |
icmp-matched-sessions | icmp-unknown-sessions | ip-protocol-matched-sessions |
ip-protocol-unknown-sessions | application-system-cache-hit |
application-system-cache-miss | protocol-matched-sessions |
protocol-unknown-sessions)*>

<!ELEMENT appid-counter-information (appid-counter)*>

<!ELEMENT appid-counter-information-usp (pic | appid-counter-usp)*>

<!ELEMENT appid-counter-usp (counter-name | counter-value)*>

<!ELEMENT appid-nested-asc-enable (#PCDATA)>

<!ELEMENT appid-package-version (version-detail)*>

<!ELEMENT appid-service (#PCDATA)>

<!ELEMENT application-default-ports (#PCDATA)>

<!ELEMENT application-description (#PCDATA)>

<!ELEMENT application-disabled (#PCDATA)>

<!ELEMENT application-group-apps-list (#PCDATA)>

<!ELEMENT application-group-entry (application-group-name | application-group-id
| application-group-parent-list | application-group-apps-list |
application-group-subgrps-list)*>

<!ELEMENT application-group-id (#PCDATA)>

<!ELEMENT application-group-name (#PCDATA)>

<!ELEMENT application-group-parent-list (#PCDATA)>

<!ELEMENT application-group-subgrps-list (#PCDATA)>

<!ELEMENT application-group-summary (total-application-groups |
application-group-entry)*>

<!ELEMENT application-groups (#PCDATA)>

<!ELEMENT application-id (#PCDATA)>
```



```
<!ELEMENT application-min-data (#PCDATA)>

<!ELEMENT application-name (#PCDATA)>

<!ELEMENT application-order (#PCDATA)>

<!ELEMENT application-signature-detail (application-name | application-id |
application-description | application-disabled | application-default-ports |
signature-port-range | signature-cts-dfa-pattern | signature-cts-pcre-pattern |
signature-stc-dfa-pattern | signature-stc-pcre-pattern | application-min-data |
application-order)*>

<!ELEMENT application-signature-entry (application-name | application-disabled |
application-id | application-order)*>

<!ELEMENT application-signature-list (application-signature-entry)*>

<!ELEMENT application-signature-summary (total-applications |
total-nested-applications | application-signature-list)*>

<!ELEMENT application-system-cache-hit (#PCDATA)>

<!ELEMENT application-system-cache-miss (#PCDATA)>

<!ELEMENT apppack-download-status (apppack-download-status-detail)*>

<!ELEMENT apppack-download-status-detail (#PCDATA)>

<!ELEMENT bytes (#PCDATA)>

<!ELEMENT counter-name (#PCDATA)>

<!ELEMENT counter-value (#PCDATA)>

<!ELEMENT cpu-id (#PCDATA)>

<!ELEMENT elapsed-time (#PCDATA)>

<!ELEMENT icmp-matched-sessions (#PCDATA)>

<!ELEMENT icmp-unknown-sessions (#PCDATA)>

<!ELEMENT index (#PCDATA)>

<!ELEMENT ip-address (#PCDATA)>

<!ELEMENT ip-protocol-matched-sessions (#PCDATA)>

<!ELEMENT ip-protocol-unknown-sessions (#PCDATA)>

<!ELEMENT ipv6-address (#PCDATA)>

<!ELEMENT last-reset (#PCDATA)>

<!ELEMENT last-reset-group-stats (last-reset | elapsed-time)*>

<!ELEMENT last-reset-stats (last-reset | elapsed-time)*>

<!ELEMENT nested-application-detail (application-name | application-id |
application-description | application-disabled | nested-number-signatures)*>
```

```
<!ELEMENT nested-application-signature-detail (nested-application-detail |
nested-signatures-detail)*>

<!ELEMENT nested-l7protocol (#PCDATA)>

<!ELEMENT nested-number-signatures (#PCDATA)>

<!ELEMENT nested-signature-chain-order (#PCDATA)>

<!ELEMENT nested-signature-max-trans (#PCDATA)>

<!ELEMENT nested-signature-member (nested-signature-member-index |
nested-signature-member-context | nested-signature-member-pattern |
nested-signature-member-direction)*>

<!ELEMENT nested-signature-member-context (#PCDATA)>

<!ELEMENT nested-signature-member-direction (#PCDATA)>

<!ELEMENT nested-signature-member-index (#PCDATA)>

<!ELEMENT nested-signature-member-pattern (#PCDATA)>

<!ELEMENT nested-signature-name (#PCDATA)>

<!ELEMENT nested-signature-num-members (#PCDATA)>

<!ELEMENT nested-signature-order (#PCDATA)>

<!ELEMENT nested-signatures-detail (nested-signature-name |
nested-signature-num-members | nested-signature-member |
nested-signature-chain-order | nested-signature-max-trans | nested-signature-order
| nested-l7protocol)*>

<!ELEMENT pic (#PCDATA)>

<!ELEMENT port (#PCDATA)>

<!ELEMENT port-matched-sessions (#PCDATA)>

<!ELEMENT port-unknown-sessions (#PCDATA)>

<!ELEMENT protocol (#PCDATA)>

<!ELEMENT protocol-matched-sessions (#PCDATA)>

<!ELEMENT protocol-unknown-sessions (#PCDATA)>

<!ELEMENT sessions (#PCDATA)>

<!ELEMENT signature-cts-dfa-pattern (#PCDATA)>

<!ELEMENT signature-cts-pcre-pattern (#PCDATA)>

<!ELEMENT signature-encrypted-sessions (#PCDATA)>

<!ELEMENT signature-matched-sessions (#PCDATA)>

<!ELEMENT signature-p2p-sessions (#PCDATA)>

<!ELEMENT signature-port-range (#PCDATA)>
```

```
<!ELEMENT signature-stc-dfa-pattern (#PCDATA)>
<!ELEMENT signature-stc-pcre-pattern (#PCDATA)>
<!ELEMENT signature-unknown-sessions (#PCDATA)>
<!ELEMENT total-application-groups (#PCDATA)>
<!ELEMENT total-applications (#PCDATA)>
<!ELEMENT total-matched-sessions (#PCDATA)>
<!ELEMENT total-nested-applications (#PCDATA)>
<!ELEMENT total-sessions (#PCDATA)>
<!ELEMENT total-unknown-sessions (#PCDATA)>
<!ELEMENT uni-signature-matched-sessions (#PCDATA)>
<!ELEMENT version-detail (#PCDATA)>
<!ELEMENT virtual-system-identifier (#PCDATA)>
```



## CHAPTER 22

# DTD for APS Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-aps.dtd`, which lists the Junos XML tags that contain information about APS. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-aps.dtd -->

<!ELEMENT aps-adjacent-state (#PCDATA)>

<!ELEMENT aps-annex-b (#PCDATA)>

<!ELEMENT aps-channel-state (#PCDATA)>

<!ELEMENT aps-config-state (#PCDATA)>

<!ELEMENT aps-config-state-circuit (#PCDATA)>

<!ELEMENT aps-interface (aps-interface-name | aps-interface-group |
aps-interface-circuit-type | aps-interface-circuit-state | aps-interface-state |
aps-neighbor | aps-adjacent-state | aps-neighbor-select-state | aps-time-remaining
| aps-channel-state | aps-config-state | aps-config-state-circuit |
aps-loop-circuit-type | aps-loop-circuit-name | aps-pair-interface-name |
aps-pair-group-name | aps-local-mode | aps-neighbor-mode | aps-request-k1 |
aps-request-k2 | aps-receive-k1 | aps-transmit-k1 | aps-receive-k2 |
aps-transmit-k2 | aps-neighbor-k1 | aps-neighbor-paired-request | aps-revert-time
| aps-wait-to-restore-time | aps-annex-b | aps-neighbor-revert-time |
aps-neighbor-wait-to-restore-time | aps-remaining-revert-time |
aps-remaining-wait-to-restore-time | aps-remaining-forced-revert-time |
aps-remaining-hello-timer | aps-remaining-update-timer |
aps-remaining-holddown-timer)*>
<!ATTLIST aps-interface junos:style CDATA #IMPLIED>

<!ELEMENT aps-interface-circuit-state (#PCDATA)>

<!ELEMENT aps-interface-circuit-type (#PCDATA)>

<!ELEMENT aps-interface-group (#PCDATA)>

<!ELEMENT aps-interface-information (aps-interface)*>

<!ELEMENT aps-interface-name (#PCDATA)>
```

```
<!ELEMENT aps-interface-state (#PCDATA)>
<!ELEMENT aps-local-mode (#PCDATA)>
<!ELEMENT aps-loop-circuit-name (#PCDATA)>
<!ELEMENT aps-loop-circuit-type (#PCDATA)>
<!ELEMENT aps-neighbor (#PCDATA)>
<!ELEMENT aps-neighbor-k1 (#PCDATA)>
<!ELEMENT aps-neighbor-mode (#PCDATA)>
<!ELEMENT aps-neighbor-paired-request (#PCDATA)>
<!ELEMENT aps-neighbor-revert-time (#PCDATA)>
<!ELEMENT aps-neighbor-select-state (#PCDATA)>
<!ELEMENT aps-neighbor-wait-to-restore-time (#PCDATA)>
<!ELEMENT aps-pair-group-name (#PCDATA)>
<!ELEMENT aps-pair-interface-name (#PCDATA)>
<!ELEMENT aps-receive-k1 (#PCDATA)>
<!ELEMENT aps-receive-k2 (#PCDATA)>
<!ELEMENT aps-remaining-forced-revert-time (#PCDATA)>
<!ELEMENT aps-remaining-hello-timer (#PCDATA)>
<!ELEMENT aps-remaining-holddown-timer (#PCDATA)>
<!ELEMENT aps-remaining-revert-time (#PCDATA)>
<!ELEMENT aps-remaining-update-timer (#PCDATA)>
<!ELEMENT aps-remaining-wait-to-restore-time (#PCDATA)>
<!ELEMENT aps-request-k1 (#PCDATA)>
<!ELEMENT aps-request-k2 (#PCDATA)>
<!ELEMENT aps-revert-time (#PCDATA)>
<!ELEMENT aps-time-remaining (#PCDATA)>
<!ELEMENT aps-transmit-k1 (#PCDATA)>
<!ELEMENT aps-transmit-k2 (#PCDATA)>
<!ELEMENT aps-wait-to-restore-time (#PCDATA)>
```

## CHAPTER 23

# DTD for ARP Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-arp.dtd`, which lists the Junos XML tags that contain information about ARP. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-arp.dtd -->

<!ELEMENT arp-entry-count (#PCDATA)>

<!ELEMENT arp-table-entry (mac-address | ip-address | hostname | interface-name
| arp-table-entry-flags | time-to-expire)*>

<!ELEMENT arp-table-entry-flags (none | permanent | published | dead | free)*>

<!ELEMENT arp-table-information (arp-table-entry | arp-entry-count)*>
<!ATTLIST arp-table-information junos:style CDATA #IMPLIED>

<!ELEMENT clear-arp-table-result (ip-address | clear-success)*>

<!ELEMENT clear-arp-table-results (clear-arp-table-result)*>

<!ELEMENT clear-success EMPTY>

<!ELEMENT dead EMPTY>

<!ELEMENT free EMPTY>

<!ELEMENT hostname (#PCDATA)>

<!ELEMENT interface-name (#PCDATA)>

<!ELEMENT ip-address (#PCDATA)>

<!ELEMENT mac-address (#PCDATA)>

<!ELEMENT none EMPTY>

<!ELEMENT permanent EMPTY>

<!ELEMENT published EMPTY>
```

<!ELEMENT time-to-expire (#PCDATA)>



# DTD for Authentication Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-auth.dtd`, which lists the Junos XML tags that contain information about authentication. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#)

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-auth.dtd -->

<!ELEMENT aaa-logical-system-routing-instance (#PCDATA)>

<!ELEMENT aaa-module-accounting-statistics (requests | accounting-response-failures
 | accounting-response-success | timeouts | multistack-suppressions)*>

<!ELEMENT aaa-module-address-assignment-client-statistics (client-name |
out-of-memory | no-matches)*>

<!ELEMENT aaa-module-address-assignment-pool-statistics (pool-name | link-name |
out-of-memory | out-of-addresses | total-addresses | used-addresses |
pool-usage)*>

<!ELEMENT aaa-module-authentication-statistics (requests | multistack-requests |
accepts | rejects | challenges | timeouts)*>

<!ELEMENT aaa-module-dynamic-requests-statistics (requests | processed-ok |
processing-error | silent-drops)*>

<!ELEMENT aaa-module-re-authentication-statistics (requests | accepts | aborts |
challenges | internal-errors | rejects | timeouts)*>

<!ELEMENT aaa-module-statistics (requests | multistack-requests | accepts | rejects
 | accounting-response-failures | accounting-response-success | timeouts |
multistack-suppressions | challenges | processed-ok | processing-error |
silent-drops | internal-errors | aborts | interim-updates-rcvd |
interim-updates-sent | interim-updates-error-rcvd | requested-final-stats |
final-stats-retry-count | final-stats-rcvd | final-stats-error-rcvd |
final-stats-sent | time-only-info-sent | stats-timer-fired |
libstats-interim-egress-subs | libstats-interim-ingress-subs |
libstats-interim-egress-general-error | libstats-interim-ingress-general-error |
libstats-interim-egress-kernel-error | libstats-interim-ingress-kernel-error |
libstats-interim-egress-memory-error | libstats-interim-ingress-memory-error |
libstats-interim-egress-ipc-error | libstats-interim-ingress-ipc-error |
libstats-interim-egress-validation-error |
libstats-interim-ingress-validation-error | libstats-interim-egress-db-lookup-error
```

```

| libstats-interim-ingress-db-lookup-error | libstats-final-egress-subs |
libstats-final-ingress-subs | libstats-final-egress-general-error |
libstats-final-ingress-general-error | libstats-final-egress-kernel-error |
libstats-final-ingress-kernel-error | libstats-final-egress-memory-error |
libstats-final-ingress-memory-error | libstats-final-egress-ipc-error |
libstats-final-ingress-ipc-error | libstats-final-egress-validation-error |
libstats-final-ingress-validation-error | libstats-final-egress-db-lookup-error |
| libstats-final-ingress-db-lookup-error | libstats-all-egress-msg-types |
libstats-all-ingress-msg-types | libstats-all-egress-general-error |
libstats-all-ingress-general-error | libstats-all-egress-kernel-error |
libstats-all-ingress-kernel-error | libstats-all-egress-memory-error |
libstats-all-ingress-memory-error | libstats-all-egress-ipc-error |
libstats-all-ingress-ipc-error | libstats-all-egress-validation-error |
libstats-all-ingress-validation-error | libstats-all-egress-db-lookup-error |
libstats-all-ingress-db-lookup-error | aaa-module-authentication-statistics |
aaa-module-accounting-statistics | aaa-module-volume-accounting-statistics |
aaa-module-dynamic-requests-statistics | aaa-module-re-authentication-statistics
| aaa-module-address-assignment-pool-statistics |
aaa-module-address-assignment-client-statistics |
aaa-module-subscriber-statistics)*>

```

```

<!ELEMENT aaa-module-subscriber-statistics (total-number-of-subscribers)*>

```

```

<!ELEMENT aaa-module-volume-accounting-statistics (interim-updates-rcvd |
interim-updates-sent | interim-updates-error-rcvd | requested-final-stats |
final-stats-retry-count | final-stats-rcvd | final-stats-error-rcvd |
final-stats-sent | time-only-info-sent | stats-timer-fired |
libstats-interim-egress-subs | libstats-interim-ingress-subs |
libstats-interim-egress-general-error | libstats-interim-ingress-general-error |
libstats-interim-egress-kernel-error | libstats-interim-ingress-kernel-error |
libstats-interim-egress-memory-error | libstats-interim-ingress-memory-error |
libstats-interim-egress-ipc-error | libstats-interim-ingress-ipc-error |
libstats-interim-egress-validation-error |
libstats-interim-ingress-validation-error | libstats-interim-egress-db-lookup-error
| libstats-interim-ingress-db-lookup-error | libstats-final-egress-subs |
libstats-final-ingress-subs | libstats-final-egress-general-error |
libstats-final-ingress-general-error | libstats-final-egress-kernel-error |
libstats-final-ingress-kernel-error | libstats-final-egress-memory-error |
libstats-final-ingress-memory-error | libstats-final-egress-ipc-error |
libstats-final-ingress-ipc-error | libstats-final-egress-validation-error |
libstats-final-ingress-validation-error | libstats-final-egress-db-lookup-error
| libstats-final-ingress-db-lookup-error | libstats-all-egress-msg-types |
libstats-all-ingress-msg-types | libstats-all-egress-general-error |
libstats-all-ingress-general-error | libstats-all-egress-kernel-error |
libstats-all-ingress-kernel-error | libstats-all-egress-memory-error |
libstats-all-ingress-memory-error | libstats-all-egress-ipc-error |
libstats-all-ingress-ipc-error | libstats-all-egress-validation-error |
libstats-all-ingress-validation-error | libstats-all-egress-db-lookup-error |
libstats-all-ingress-db-lookup-error)*>

```

```

<!ELEMENT aaa-subscriber-accounting-statistics (accounting-start-sent-successfully
| accounting-start-send-failed | accounting-start-responses |
accounting-interim-sent-successfully | accounting-interim-send-failed |
accounting-interim-responses)*>

```

```

<!ELEMENT aaa-subscriber-auth-statistics (authentication-challenge-requests |
authentication-challenge-responses)*>

```

```

<!ELEMENT aaa-subscriber-reauth-statistics (re-authentication-requests |
re-authentication-responses | re-authentication-aborts)*>

```

```

<!ELEMENT aaa-subscriber-service-statistics (service-name | service-creates |
service-deletes | service-timeouts)*>

<!ELEMENT aaa-subscriber-statistics (authentication-challenge-requests |
authentication-challenge-responses | accounting-start-sent-successfully |
accounting-start-send-failed | accounting-start-responses |
accounting-interim-sent-successfully | accounting-interim-send-failed |
accounting-interim-responses | service-creates | service-deletes | service-timeouts
| re-authentication-requests | re-authentication-responses |
re-authentication-aborts | aaa-subscriber-auth-statistics |
aaa-subscriber-accounting-statistics | aaa-subscriber-service-statistics |
aaa-subscriber-reauth-statistics)*>

<!ELEMENT aaa-subscriber-table (aaa-subscriber-table-entry |
aaa-subscriber-table-entry-details |
aaa-subscriber-table-logical-system-routing-instance-entries |
aaa-subscriber-table-entry-service-details |
aaa-subscriber-table-entry-session-id-detail)*>

<!ELEMENT aaa-subscriber-table-details (aaa-subscriber-table |
aaa-subscriber-statistics)*>

<!ELEMENT aaa-subscriber-table-entry (user-name | logical-system-routing-instance
| client-type | session-id)*>
<ATTLIST aaa-subscriber-table-entry junos:style CDATA #IMPLIED>

<!ELEMENT aaa-subscriber-table-entry-details (logical-system-routing-instance |
client-type | session-uptime | accounting-status)*>
<ATTLIST aaa-subscriber-table-entry-details junos:style CDATA #IMPLIED>

<!ELEMENT aaa-subscriber-table-entry-service-details (service-name | service-type
| service-quota | accounting-status)*>
<ATTLIST aaa-subscriber-table-entry-service-details junos:style CDATA #IMPLIED>

<!ELEMENT aaa-subscriber-table-entry-session-id-detail (client-type | user-name
| stripped-user-name | aaa-logical-system-routing-instance |
target-logical-system-routing-instance | access-profile | session-id |
accounting-session-id | multi-accounting-session-id | ip-address-assigned |
assignment-type | auth-state | gx-plus-prov-state | accounting-state | service-name
| service-state | service-session-id | service-accounting-session-id |
accounting-status | session-uptime | service-accounting-state |
accounting-interim-interval | service-accounting-protocol)*>
<ATTLIST aaa-subscriber-table-entry-session-id-detail junos:style CDATA #IMPLIED>

<!ELEMENT aaa-subscriber-table-logical-system-routing-instance-entries (user-name
| client-type | logical-system-routing-instance)*>
<ATTLIST aaa-subscriber-table-logical-system-routing-instance-entries junos:style
CDATA #IMPLIED>

<!ELEMENT aaa-termcode-custom-mapping (#PCDATA)>

<!ELEMENT aaa-termcode-error (#PCDATA)>

<!ELEMENT aaa-termcode-information (aaa-termcode-list | aaa-termcode-summary-list
| aaa-termcode-not-found | aaa-termcode-error)*>
<ATTLIST aaa-termcode-information junos:style CDATA #IMPLIED>

<!ELEMENT aaa-termcode-keyword (#PCDATA)>

<!ELEMENT aaa-termcode-list (aaa-termcode-radius-termcause |
aaa-termcode-custom-mapping | aaa-termcode-usage-count | aaa-termcode-type |

```

```
aaa-termcode-keyword)*>

<!ELEMENT aaa-termcode-mapping-count (#PCDATA)>

<!ELEMENT aaa-termcode-not-found (#PCDATA)>

<!ELEMENT aaa-termcode-radius-termcause (#PCDATA)>

<!ELEMENT aaa-termcode-reverse-error (#PCDATA)>

<!ELEMENT aaa-termcode-reverse-information (aaa-termcode-reverse-list |
aaa-termcode-reverse-summary-list | aaa-termcode-reverse-not-found |
aaa-termcode-reverse-error)*>
<!ATTLIST aaa-termcode-reverse-information junos:style CDATA #IMPLIED>

<!ELEMENT aaa-termcode-reverse-list (aaa-termcode-radius-termcause |
aaa-termcode-custom-mapping | aaa-termcode-usage-count | aaa-termcode-type |
aaa-termcode-keyword)*>

<!ELEMENT aaa-termcode-reverse-not-found (#PCDATA)>

<!ELEMENT aaa-termcode-reverse-summary-list (aaa-termcode-radius-termcause |
aaa-termcode-custom-mapping | aaa-termcode-mapping-count | aaa-termcode-usage-count
| aaa-termcode-type)*>

<!ELEMENT aaa-termcode-summary-list (aaa-termcode-custom-mapping |
aaa-termcode-mapping-count | aaa-termcode-usage-count | aaa-termcode-type)*>

<!ELEMENT aaa-termcode-type (#PCDATA)>

<!ELEMENT aaa-termcode-usage-count (#PCDATA)>

<!ELEMENT aaa-test-result (aaa-test-status | radius-server-attribute-name |
radius-server-attribute-value | terminate-attribute-name |
terminate-attribute-value)*>

<!ELEMENT aaa-test-status (#PCDATA)>

<!ELEMENT aborts (#PCDATA)>

<!ELEMENT accepts (#PCDATA)>

<!ELEMENT access-profile (#PCDATA)>

<!ELEMENT accounting-interim-interval (#PCDATA)>

<!ELEMENT accounting-interim-responses (#PCDATA)>

<!ELEMENT accounting-interim-send-failed (#PCDATA)>

<!ELEMENT accounting-interim-sent-successfully (#PCDATA)>

<!ELEMENT accounting-response-failures (#PCDATA)>

<!ELEMENT accounting-response-success (#PCDATA)>

<!ELEMENT accounting-session-id (#PCDATA)>

<!ELEMENT accounting-start-responses (#PCDATA)>

<!ELEMENT accounting-start-send-failed (#PCDATA)>
```

```
<!ELEMENT accounting-start-sent-successfully (#PCDATA)>

<!ELEMENT accounting-state (#PCDATA)>

<!ELEMENT accounting-status (#PCDATA)>

<!ELEMENT address-assignment-pool-entry (ip-address | hardware-address | host-name
| subscriber-type)*>

<!ELEMENT address-assignment-pool-table (address-assignment-pool-entry)*>
<!ATTLIST address-assignment-pool-table junos:style CDATA #IMPLIED>

<!ELEMENT address-assignment-pool-table-details (address-assignment-pool-table)*>

<!ELEMENT assignment-type (#PCDATA)>

<!ELEMENT auth-pending-entry (index | auth-status | profile-name | user-name)*>

<!ELEMENT auth-pending-table (auth-pending-entry)*>
<!ATTLIST auth-pending-table junos:style CDATA #IMPLIED>

<!ELEMENT auth-pending-table-details (auth-pending-table-info |
auth-pending-table)*>

<!ELEMENT auth-pending-table-info (auth-pending-total-entries)*>

<!ELEMENT auth-pending-total-entries (#PCDATA)>

<!ELEMENT auth-state (#PCDATA)>

<!ELEMENT auth-statistics (total-statistics | radius-auth-statistics |
ldap-auth-statistics | securid-auth-statistics | local-auth-statistics)*>

<!ELEMENT auth-status (#PCDATA)>

<!ELEMENT authd-memory-pool-information (memory-pool-name | node-size | pool-size
| total-allocation | largest-allocation | current-allocation | number-of-grows
| number-of-fails | number-of-oversize-allocations)*>

<!ELEMENT authentication-challenge-requests (#PCDATA)>

<!ELEMENT authentication-challenge-responses (#PCDATA)>

<!ELEMENT challenges (#PCDATA)>

<!ELEMENT client-name (#PCDATA)>

<!ELEMENT client-type (#PCDATA)>

<!ELEMENT current-allocation (#PCDATA)>

<!ELEMENT default-used (#PCDATA)>

<!ELEMENT domain-map-statistics (matched-domains | unmatched-domains |
missing-domains | stripped-username | default-used)*>

<!ELEMENT failure-responses (#PCDATA)>

<!ELEMENT final-stats-error-rcvd (#PCDATA)>
```

```
<!ELEMENT final-stats-rcvd (#PCDATA)>

<!ELEMENT final-stats-retry-count (#PCDATA)>

<!ELEMENT final-stats-sent (#PCDATA)>

<!ELEMENT gx-plus-active-config-state (#PCDATA)>

<!ELEMENT gx-plus-config-state (#PCDATA)>

<!ELEMENT gx-plus-counter-name (#PCDATA)>

<!ELEMENT gx-plus-counter-value (#PCDATA)>

<!ELEMENT gx-plus-diameter-config-state (#PCDATA)>

<!ELEMENT gx-plus-downstream-category (#PCDATA)>

<!ELEMENT gx-plus-downstream-counter-name (#PCDATA)>

<!ELEMENT gx-plus-downstream-counter-value (#PCDATA)>

<!ELEMENT gx-plus-downstream-stats-data (gx-plus-downstream-category |
gx-plus-downstream-counter-name | gx-plus-downstream-counter-value)*>

<!ELEMENT gx-plus-downstream-stats-table (gx-plus-downstream-stats-data)*>

<!ELEMENT gx-plus-engine-state (#PCDATA)>

<!ELEMENT gx-plus-pending-logout-count (#PCDATA)>

<!ELEMENT gx-plus-pending-prov-count (#PCDATA)>

<!ELEMENT gx-plus-prov-state (#PCDATA)>

<!ELEMENT gx-plus-state-information (gx-plus-engine-state | gx-plus-config-state
| gx-plus-active-config-state | gx-plus-diameter-config-state |
gx-plus-total-prov-count | gx-plus-pending-prov-count |
gx-plus-pending-logout-count)*>

<!ELEMENT gx-plus-statistics-data (gx-plus-counter-name | gx-plus-counter-value)*>

<!ELEMENT gx-plus-statistics-information (gx-plus-statistics-table |
gx-plus-sync-event-stats-table | gx-plus-sync-event-de-stats-table |
gx-plus-upstream-stats-table | gx-plus-upstream-de-stats-table |
gx-plus-downstream-stats-table | gx-plus-statistics-no-counters |
gx-plus-statistics-message)*>

<!ELEMENT gx-plus-statistics-message (#PCDATA)>

<!ELEMENT gx-plus-statistics-no-counters (#PCDATA)>

<!ELEMENT gx-plus-statistics-table (gx-plus-statistics-data)*>

<!ELEMENT gx-plus-sync-event (#PCDATA)>

<!ELEMENT gx-plus-sync-event-counter-name (#PCDATA)>

<!ELEMENT gx-plus-sync-event-counter-value (#PCDATA)>

<!ELEMENT gx-plus-sync-event-de (#PCDATA)>
```

```

<!ELEMENT gx-plus-sync-event-de-counter-name (#PCDATA)>

<!ELEMENT gx-plus-sync-event-de-counter-value (#PCDATA)>

<!ELEMENT gx-plus-sync-event-de-stats-data (gx-plus-sync-event-de |
gx-plus-sync-event-de-counter-name | gx-plus-sync-event-de-counter-value)*>

<!ELEMENT gx-plus-sync-event-de-stats-table (gx-plus-sync-event-de-stats-data)*>

<!ELEMENT gx-plus-sync-event-name (#PCDATA)>

<!ELEMENT gx-plus-sync-event-stats-data (gx-plus-sync-event |
gx-plus-sync-event-counter-name | gx-plus-sync-event-counter-value)*>

<!ELEMENT gx-plus-sync-event-stats-table (gx-plus-sync-event-stats-data)*>

<!ELEMENT gx-plus-sync-event-timeout (#PCDATA)>

<!ELEMENT gx-plus-sync-state-data (gx-plus-sync-event-name |
gx-plus-sync-event-timeout)*>

<!ELEMENT gx-plus-sync-state-information (gx-plus-sync-state-data |
gx-plus-sync-state-no-events | gx-plus-sync-state-message)*>

<!ELEMENT gx-plus-sync-state-message (#PCDATA)>

<!ELEMENT gx-plus-sync-state-no-events (#PCDATA)>

<!ELEMENT gx-plus-total-prov-count (#PCDATA)>

<!ELEMENT gx-plus-upstream-category (#PCDATA)>

<!ELEMENT gx-plus-upstream-counter-name (#PCDATA)>

<!ELEMENT gx-plus-upstream-counter-value (#PCDATA)>

<!ELEMENT gx-plus-upstream-de-category (#PCDATA)>

<!ELEMENT gx-plus-upstream-de-counter-name (#PCDATA)>

<!ELEMENT gx-plus-upstream-de-counter-value (#PCDATA)>

<!ELEMENT gx-plus-upstream-de-stats-data (gx-plus-upstream-de-category |
gx-plus-upstream-de-counter-name | gx-plus-upstream-de-counter-value)*>

<!ELEMENT gx-plus-upstream-de-stats-table (gx-plus-upstream-de-stats-data)*>

<!ELEMENT gx-plus-upstream-stats-data (gx-plus-upstream-category |
gx-plus-upstream-counter-name | gx-plus-upstream-counter-value)*>

<!ELEMENT gx-plus-upstream-stats-table (gx-plus-upstream-stats-data)*>

<!ELEMENT hardware-address (#PCDATA)>

<!ELEMENT host-name (#PCDATA)>

<!ELEMENT index (#PCDATA)>

<!ELEMENT interim-updates-error-rcvd (#PCDATA)>

```

```
<!ELEMENT interim-updates-rcvd (#PCDATA)>
<!ELEMENT interim-updates-sent (#PCDATA)>
<!ELEMENT internal-errors (#PCDATA)>
<!ELEMENT ip-address (#PCDATA)>
<!ELEMENT ip-address-assigned (#PCDATA)>
<!ELEMENT largest-allocation (#PCDATA)>
<!ELEMENT ldap-auth-statistics (total-requests | success-responses |
failure-responses)*>
<!ELEMENT libstats-all-egress-db-lookup-error (#PCDATA)>
<!ELEMENT libstats-all-egress-general-error (#PCDATA)>
<!ELEMENT libstats-all-egress-ipc-error (#PCDATA)>
<!ELEMENT libstats-all-egress-kernel-error (#PCDATA)>
<!ELEMENT libstats-all-egress-memory-error (#PCDATA)>
<!ELEMENT libstats-all-egress-msg-types (#PCDATA)>
<!ELEMENT libstats-all-egress-validation-error (#PCDATA)>
<!ELEMENT libstats-all-ingress-db-lookup-error (#PCDATA)>
<!ELEMENT libstats-all-ingress-general-error (#PCDATA)>
<!ELEMENT libstats-all-ingress-ipc-error (#PCDATA)>
<!ELEMENT libstats-all-ingress-kernel-error (#PCDATA)>
<!ELEMENT libstats-all-ingress-memory-error (#PCDATA)>
<!ELEMENT libstats-all-ingress-msg-types (#PCDATA)>
<!ELEMENT libstats-all-ingress-validation-error (#PCDATA)>
<!ELEMENT libstats-final-egress-db-lookup-error (#PCDATA)>
<!ELEMENT libstats-final-egress-general-error (#PCDATA)>
<!ELEMENT libstats-final-egress-ipc-error (#PCDATA)>
<!ELEMENT libstats-final-egress-kernel-error (#PCDATA)>
<!ELEMENT libstats-final-egress-memory-error (#PCDATA)>
<!ELEMENT libstats-final-egress-subs (#PCDATA)>
<!ELEMENT libstats-final-egress-validation-error (#PCDATA)>
<!ELEMENT libstats-final-ingress-db-lookup-error (#PCDATA)>
<!ELEMENT libstats-final-ingress-general-error (#PCDATA)>
```



```
<!ELEMENT libstats-final-ingress-ipc-error (#PCDATA)>
<!ELEMENT libstats-final-ingress-kernel-error (#PCDATA)>
<!ELEMENT libstats-final-ingress-memory-error (#PCDATA)>
<!ELEMENT libstats-final-ingress-subs (#PCDATA)>
<!ELEMENT libstats-final-ingress-validation-error (#PCDATA)>
<!ELEMENT libstats-interim-egress-db-lookup-error (#PCDATA)>
<!ELEMENT libstats-interim-egress-general-error (#PCDATA)>
<!ELEMENT libstats-interim-egress-ipc-error (#PCDATA)>
<!ELEMENT libstats-interim-egress-kernel-error (#PCDATA)>
<!ELEMENT libstats-interim-egress-memory-error (#PCDATA)>
<!ELEMENT libstats-interim-egress-subs (#PCDATA)>
<!ELEMENT libstats-interim-egress-validation-error (#PCDATA)>
<!ELEMENT libstats-interim-ingress-db-lookup-error (#PCDATA)>
<!ELEMENT libstats-interim-ingress-general-error (#PCDATA)>
<!ELEMENT libstats-interim-ingress-ipc-error (#PCDATA)>
<!ELEMENT libstats-interim-ingress-kernel-error (#PCDATA)>
<!ELEMENT libstats-interim-ingress-memory-error (#PCDATA)>
<!ELEMENT libstats-interim-ingress-subs (#PCDATA)>
<!ELEMENT libstats-interim-ingress-validation-error (#PCDATA)>
<!ELEMENT link-name (#PCDATA)>
<!ELEMENT local-auth-statistics (total-requests | success-responses |
failure-responses)*>
<!ELEMENT logical-system-routing-instance (#PCDATA)>
<!ELEMENT matched-domains (#PCDATA)>
<!ELEMENT memory-pool-name (#PCDATA)>
<!ELEMENT missing-domains (#PCDATA)>
<!ELEMENT multi-accounting-session-id (#PCDATA)>
<!ELEMENT multistack-requests (#PCDATA)>
<!ELEMENT multistack-suppressions (#PCDATA)>
<!ELEMENT no-matches (#PCDATA)>
<!ELEMENT node-secret-file (#PCDATA)>
```

```
<!ELEMENT node-secret-file-table (node-secret-file-table-entry)*>
<!ELEMENT node-secret-file-table-entry (server-name | node-secret-file)*>
<!ELEMENT node-size (#PCDATA)>
<!ELEMENT number-of-fails (#PCDATA)>
<!ELEMENT number-of-grows (#PCDATA)>
<!ELEMENT number-of-oversize-allocations (#PCDATA)>
<!ELEMENT out-of-addresses (#PCDATA)>
<!ELEMENT out-of-memory (#PCDATA)>
<!ELEMENT pool-name (#PCDATA)>
<!ELEMENT pool-size (#PCDATA)>
<!ELEMENT pool-usage (#PCDATA)>
<!ELEMENT processed-ok (#PCDATA)>
<!ELEMENT processing-error (#PCDATA)>
<!ELEMENT profile-name (#PCDATA)>
<!ELEMENT radius-auth-statistics (total-requests | success-responses |
failure-responses)*>
<!ELEMENT radius-server-attribute-name (#PCDATA)>
<!ELEMENT radius-server-attribute-value (#PCDATA)>
<!ELEMENT re-authentication-aborts (#PCDATA)>
<!ELEMENT re-authentication-requests (#PCDATA)>
<!ELEMENT re-authentication-responses (#PCDATA)>
<!ELEMENT rejects (#PCDATA)>
<!ELEMENT requested-final-stats (#PCDATA)>
<!ELEMENT requests (#PCDATA)>
<!ELEMENT securid-auth-statistics (total-requests | success-responses |
failure-responses)*>
<!ELEMENT server-name (#PCDATA)>
<!ELEMENT service-accounting-protocol (#PCDATA)>
<!ELEMENT service-accounting-session-id (#PCDATA)>
<!ELEMENT service-accounting-state (#PCDATA)>
<!ELEMENT service-creates (#PCDATA)>
<!ELEMENT service-deletes (#PCDATA)>
```

```
<!ELEMENT service-name (#PCDATA)>
<!ELEMENT service-quota (#PCDATA)>
<!ELEMENT service-session-id (#PCDATA)>
<!ELEMENT service-state (#PCDATA)>
<!ELEMENT service-timeouts (#PCDATA)>
<!ELEMENT service-type (#PCDATA)>
<!ELEMENT session-id (#PCDATA)>
<!ELEMENT session-uptime (#PCDATA)>
<!ELEMENT silent-drops (#PCDATA)>
<!ELEMENT stats-timer-fired (#PCDATA)>
<!ELEMENT stripped-user-name (#PCDATA)>
<!ELEMENT stripped-username (#PCDATA)>
<!ELEMENT subscriber-type (#PCDATA)>
<!ELEMENT success-responses (#PCDATA)>
<!ELEMENT target-logical-system-routing-instance (#PCDATA)>
<!ELEMENT terminate-attribute-name (#PCDATA)>
<!ELEMENT terminate-attribute-value (#PCDATA)>
<!ELEMENT time-only-info-sent (#PCDATA)>
<!ELEMENT timeouts (#PCDATA)>
<!ELEMENT total-addresses (#PCDATA)>
<!ELEMENT total-allocation (#PCDATA)>
<!ELEMENT total-number-of-subscribers (#PCDATA)>
<!ELEMENT total-requests (#PCDATA)>
<!ELEMENT total-responses (#PCDATA)>
<!ELEMENT total-statistics (total-requests | total-responses)*>
<!ELEMENT unmatched-domains (#PCDATA)>
<!ELEMENT used-addresses (#PCDATA)>
<!ELEMENT user-name (#PCDATA)>
```



# DTD for BFD Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-bfd.dtd`, which lists the Junos XML tags that contain information about BFD. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-bfd.dtd -->

<!ELEMENT adaptation-disabled (#PCDATA)>

<!ELEMENT adaptive-asynchronous-transmission-interval (#PCDATA)>

<!ELEMENT adaptive-reception-interval (#PCDATA)>

<!ELEMENT authentication (#PCDATA)>

<!ELEMENT bfd-client (client-name | client-transmission-interval |
client-reception-interval | client-multiplier | client-holddown-interval |
client-state | client-authentication | client-keychain | client-algorithm |
client-authentication-loose)*>

<!ELEMENT bfd-replication (bfd-replication-session-entry)*>

<!ELEMENT bfd-replication-session-entry (session-neighbor | session-interface |
local-discriminator | replication-state)*>

<!ELEMENT bfd-session (session-state | session-interface | session-neighbor |
session-detection-time | session-transmission-interval |
session-adaptive-multiplier | bfd-client | session-up-time | previous-up-time |
session-down-time | previous-down-time | local-diagnostic | remote-diagnostic |
remote-state | v0-remote-state | remote-listen | session-version |
logical-system-id | route-table-index | minimum-asynchronous-interval |
minimum-slow-interval | adaptive-asynchronous-transmission-interval |
adaptive-reception-interval | minimum-transmission-interval |
threshold-transmission-interval | minimum-reception-interval | detection-multiplier |
threshold-detection-time | neighbor-minimum-transmission-interval |
neighbor-minimum-reception-interval | neighbor-session-multiplier | issu-state |
original-transmission-interval | original-reception-interval | local-discriminator |
remote-discriminator | echo-mode-desired | echo-mode-state | no-absorb |
no-refresh | update-adjacency | update-transmit | neighbor-fate | replicated |
holddown-timer | adaptation-disabled | l2vpn-local-site-id | l2vpn-remote-site-id |
l2ckt-neighbor-address | l2ckt-vc-id | tunnel-name | tunnel-path | tunnel-prefix |
tunnel-prefix-length | tunnel-type | tunnel-destination | multihop-time-to-live
```

```
| multihop | multihop-routing-table-index | multihop-local-address |
authentication | session-keychain | session-algorithm |
session-authentication-loose)*>

<!ELEMENT bfd-session-information (bfd-session | sessions | clients |
cumulative-transmission-rate | cumulative-reception-rate | error-value)*>
<!--LIST bfd-session-information junos:style CDATA #IMPLIED-->

<!ELEMENT client-algorithm (#PCDATA)>

<!ELEMENT client-authentication (#PCDATA)>

<!--ELEMENT client-authentication-loose (#PCDATA)-->

<!--ELEMENT client-holddown-interval (#PCDATA)-->

<!--ELEMENT client-keychain (#PCDATA)-->

<!--ELEMENT client-multiplier (#PCDATA)-->

<!--ELEMENT client-name (#PCDATA)-->

<!--ELEMENT client-reception-interval (#PCDATA)-->

<!--ELEMENT client-state (#PCDATA)-->

<!--ELEMENT client-transmission-interval (#PCDATA)-->

<!--ELEMENT clients (#PCDATA)-->

<!--ELEMENT cumulative-reception-rate (#PCDATA)-->

<!--ELEMENT cumulative-transmission-rate (#PCDATA)-->

<!--ELEMENT detection-multiplier (#PCDATA)-->

<!--ELEMENT echo-mode-desired (#PCDATA)-->

<!--ELEMENT echo-mode-state (#PCDATA)-->

<!--ELEMENT error-value (#PCDATA)-->

<!--ELEMENT holddown-timer (#PCDATA)-->

<!--ELEMENT issu-state (#PCDATA)-->

<!--ELEMENT l2ckt-neighbor-address (#PCDATA)-->

<!--ELEMENT l2ckt-vc-id (#PCDATA)-->

<!--ELEMENT l2vpn-local-site-id (#PCDATA)-->

<!--ELEMENT l2vpn-remote-site-id (#PCDATA)-->

<!--ELEMENT local-diagnostic (#PCDATA)-->

<!--ELEMENT local-discriminator (#PCDATA)-->

<!--ELEMENT logical-system-id (#PCDATA)-->

<!--ELEMENT minimum-asynchronous-interval (#PCDATA)-->
```

```
<!ELEMENT minimum-reception-interval (#PCDATA)>
<!ELEMENT minimum-slow-interval (#PCDATA)>
<!ELEMENT minimum-transmission-interval (#PCDATA)>
<!ELEMENT multihop (#PCDATA)>
<!ELEMENT multihop-local-address (#PCDATA)>
<!ELEMENT multihop-routing-table-index (#PCDATA)>
<!ELEMENT multihop-time-to-live (#PCDATA)>
<!ELEMENT neighbor-fate (#PCDATA)>
<!ELEMENT neighbor-minimum-reception-interval (#PCDATA)>
<!ELEMENT neighbor-minimum-transmission-interval (#PCDATA)>
<!ELEMENT neighbor-session-multiplier (#PCDATA)>
<!ELEMENT no-absorb (#PCDATA)>
<!ELEMENT no-refresh (#PCDATA)>
<!ELEMENT original-reception-interval (#PCDATA)>
<!ELEMENT original-transmission-interval (#PCDATA)>
<!ELEMENT previous-down-time (#PCDATA)>
<!ELEMENT previous-up-time (#PCDATA)>
<!ELEMENT remote-diagnostic (#PCDATA)>
<!ELEMENT remote-discriminator (#PCDATA)>
<!ELEMENT remote-listen (#PCDATA)>
<!ELEMENT remote-state (#PCDATA)>
<!ELEMENT replicated (#PCDATA)>
<!ELEMENT replication-state (#PCDATA)>
<!ELEMENT route-table-index (#PCDATA)>
<!ELEMENT session-adaptive-multiplier (#PCDATA)>
<!ELEMENT session-algorithm (#PCDATA)>
<!ELEMENT session-authentication-loose (#PCDATA)>
<!ELEMENT session-detection-time (#PCDATA)>
<!ELEMENT session-down-time (#PCDATA)>
<!ELEMENT session-interface (#PCDATA)>
```

```
<!ELEMENT session-keychain (#PCDATA)>
<!ELEMENT session-neighbor (#PCDATA)>
<!ELEMENT session-state (#PCDATA)>
<!ELEMENT session-transmission-interval (#PCDATA)>
<!ELEMENT session-up-time (#PCDATA)>
<!ELEMENT session-version (#PCDATA)>
<!ELEMENT sessions (#PCDATA)>
<!ELEMENT threshold-detection-time (#PCDATA)>
<!ELEMENT threshold-transmission-interval (#PCDATA)>
<!ELEMENT tunnel-destination (#PCDATA)>
<!ELEMENT tunnel-name (#PCDATA)>
<!ELEMENT tunnel-path (#PCDATA)>
<!ELEMENT tunnel-prefix (#PCDATA)>
<!ELEMENT tunnel-prefix-length (#PCDATA)>
<!ELEMENT tunnel-type (#PCDATA)>
<!ELEMENT update-adjacency (#PCDATA)>
<!ELEMENT update-transmit (#PCDATA)>
<!ELEMENT v0-remote-state (#PCDATA)>
```



## DTD for CFM Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-cfm.dtd`, which lists the Junos XML tags that contain information about CFM. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-cfm.dtd -->

<!ELEMENT cfm-accu-loss-far-end-cir-loss-stats (#PCDATA)>
<!ELEMENT cfm-accu-loss-far-end-cir-loss-stats-percent (#PCDATA)>
<!ELEMENT cfm-accu-loss-far-end-eir-loss-stats (#PCDATA)>
<!ELEMENT cfm-accu-loss-far-end-eir-loss-stats-percent (#PCDATA)>
<!ELEMENT cfm-accu-loss-near-end-cir-loss-stats (#PCDATA)>
<!ELEMENT cfm-accu-loss-near-end-cir-loss-stats-percent (#PCDATA)>
<!ELEMENT cfm-accu-loss-near-end-eir-loss-stats (#PCDATA)>
<!ELEMENT cfm-accu-loss-near-end-eir-loss-stats-percent (#PCDATA)>
<!ELEMENT cfm-accu-tx-far-end-cir-loss-stats (#PCDATA)>
<!ELEMENT cfm-accu-tx-far-end-eir-loss-stats (#PCDATA)>
<!ELEMENT cfm-accu-tx-near-end-cir-loss-stats (#PCDATA)>
<!ELEMENT cfm-accu-tx-near-end-eir-loss-stats (#PCDATA)>
<!ELEMENT cfm-action-profile-name (#PCDATA)>
<!ELEMENT cfm-ap-action-name (#PCDATA)>
<!ELEMENT cfm-ap-action-time (#PCDATA)>
<!ELEMENT cfm-ap-last-event (#PCDATA)>
<!ELEMENT cfm-ap-last-event-cleared-time (#PCDATA)>
<!ELEMENT cfm-average-oneway-bkwd-delay-variation (#PCDATA)>
```

```
<!ELEMENT cfm-average-oneway-fwd-delay-variation (#PCDATA)>

<!ELEMENT cfm-average-twoway-delay (#PCDATA)>

<!ELEMENT cfm-average-twoway-delay-variation (#PCDATA)>

<!ELEMENT cfm-client-session-id (#PCDATA)>

<!ELEMENT cfm-connection-protection-tlv-frr-flag (#PCDATA)>

<!ELEMENT cfm-connection-protection-tlv-prefer-me (#PCDATA)>

<!ELEMENT cfm-connection-protection-tlv-protection-in-use (#PCDATA)>

<!ELEMENT cfm-connection-protection-tlv-status (#PCDATA)>

<!ELEMENT cfm-continuity-check-interval (#PCDATA)>
<ATTLIST cfm-continuity-check-interval junos:format CDATA #IMPLIED>

<!ELEMENT cfm-continuity-check-loss-threshold (#PCDATA)>

<!ELEMENT cfm-continuity-check-status (#PCDATA)>

<!ELEMENT cfm-counters-route-socket-operations
(cfm-route-socket-message-counters)*>

<!ELEMENT cfm-counters-route-socket-received (cfm-route-socket-message-counters)*>

<!ELEMENT cfm-cross-connect-session (cfm-session-defect-type |
cfm-session-defect-description | cfm-level | cfm-maintenance-domain-name |
cfm-maintenance-domain-name-format | cfm-maintenance-association-name |
cfm-maintenance-association-name-format | cfm-mep-identifier |
cfm-continuity-check-interval)*>

<!ELEMENT cfm-cross-connect-session-count (#PCDATA)>

<!ELEMENT cfm-cross-connect-sessions (cfm-cross-connect-session-count |
cfm-cross-connect-session)*>

<!ELEMENT cfm-default-maintenance-domain-mhf (#PCDATA)>

<!ELEMENT cfm-defect-cross-connect-ccm (#PCDATA)>

<!ELEMENT cfm-defect-error-ccm (#PCDATA)>

<!ELEMENT cfm-defect-mac-status (#PCDATA)>

<!ELEMENT cfm-defect-rdi-in-some-mep (#PCDATA)>

<!ELEMENT cfm-defect-remote-mep-no-ccm (#PCDATA)>

<!ELEMENT cfm-delay-statistics (cfm-entry)*>

<!ELEMENT cfm-delay-variation-weight (#PCDATA)>

<!ELEMENT cfm-delay-weight (#PCDATA)>

<!ELEMENT cfm-dfwd-connection-state (#PCDATA)>

<!ELEMENT cfm-dfwd-nh-to-delete (#PCDATA)>
```

```

<!ELEMENT cfm-dfwd-pending-transactions (cfm-dfwd-transaction)*>

<!ELEMENT cfm-dfwd-policer-instance (cfm-policer-instance-name | cfm-policer-name
| cfm-policer-instance-reference-count)*>

<!ELEMENT cfm-dfwd-policer-instance-info (cfm-dfwd-policer-instance)*>

<!ELEMENT cfm-dfwd-reconnect-count (#PCDATA)>

<!ELEMENT cfm-dfwd-requests-accepted (#PCDATA)>

<!ELEMENT cfm-dfwd-requests-lost (#PCDATA)>

<!ELEMENT cfm-dfwd-requests-rejected (#PCDATA)>

<!ELEMENT cfm-dfwd-requests-sent (#PCDATA)>

<!ELEMENT cfm-dfwd-transaction (cfm-dfwd-transaction-id | cfm-dfwd-nh-to-delete)*>

<!ELEMENT cfm-dfwd-transaction-id (#PCDATA)>

<!ELEMENT cfm-dmm-received (#PCDATA)>

<!ELEMENT cfm-dmm-received-invalid (#PCDATA)>

<!ELEMENT cfm-dmm-sent (#PCDATA)>

<!ELEMENT cfm-dmm-skipped-for-threshold-hit (#PCDATA)>

<!ELEMENT cfm-dmm-skipped-for-threshold-hit-window (#PCDATA)>

<!ELEMENT cfm-dmr-fc-mismatch (#PCDATA)>

<!ELEMENT cfm-dmr-invalid-time-stamp (#PCDATA)>

<!ELEMENT cfm-dmr-out-of-sequence (#PCDATA)>

<!ELEMENT cfm-dmr-received (#PCDATA)>

<!ELEMENT cfm-dmr-received-invalid (#PCDATA)>

<!ELEMENT cfm-dmr-sent (#PCDATA)>

<!ELEMENT cfm-entry (cfm-interface-entry | cfm-interface-sessions |
cfm-mep-database-session | cfm-mep-database-continuity-check |
cfm-mep-database-interface | cfm-local-mep | cfm-local-mep-defects |
cfm-local-mep-statistics | cfm-remote-meps | cfm-cross-connect-sessions |
cfm-error-sessions | cfm-mep-statistics-mep-summary |
cfm-local-mep-packet-statistics | cfm-remote-mep-brief-summary |
cfm-ethdm-delay-entry | cfm-ethdm-oneway-delay-summary |
cfm-ethdm-twoway-delay-summary | cfm-client-session-id | cfm-ethlm-loss-entry |
cfm-ethlm-cir-loss-summary | cfm-ethlm-eir-loss-summary | cfm-iter-mep-summary |
cfm-iter-info | cfm-iter-ethdm-entry | cfm-iter-ethlm-entry |
cfm-iter-eth-sfl-entry)*>

<!ELEMENT cfm-error-session (cfm-session-defect-type |
cfm-session-defect-description | cfm-level | cfm-maintenance-domain-name |
cfm-maintenance-domain-name-format | cfm-maintenance-association-name |
cfm-maintenance-association-name-format | cfm-continuity-check-interval |
cfm-mep-identifier)*>

```

```
<!ELEMENT cfm-error-session-count (#PCDATA)>

<!ELEMENT cfm-error-sessions (cfm-error-session-count | cfm-error-session)*>

<!ELEMENT cfm-ethdm-average-oneway-delay (#PCDATA)>

<!ELEMENT cfm-ethdm-average-oneway-delay-variation (#PCDATA)>

<!ELEMENT cfm-ethdm-average-twoway-delay (#PCDATA)>

<!ELEMENT cfm-ethdm-average-twoway-delay-variation (#PCDATA)>

<!ELEMENT cfm-ethdm-bestcase-oneway-delay (#PCDATA)>

<!ELEMENT cfm-ethdm-bestcase-twoway-delay (#PCDATA)>

<!ELEMENT cfm-ethdm-delay-entry (cfm-ethdm-delay-entry-index |
cfm-ethdm-oneway-delay | cfm-ethdm-twoway-delay)*>

<!ELEMENT cfm-ethdm-delay-entry-index (#PCDATA)>

<!ELEMENT cfm-ethdm-oneway-delay (#PCDATA)>

<!ELEMENT cfm-ethdm-oneway-delay-summary (cfm-ethdm-average-oneway-delay |
cfm-ethdm-average-oneway-delay-variation | cfm-ethdm-bestcase-oneway-delay |
cfm-ethdm-worstcase-oneway-delay)*>

<!ELEMENT cfm-ethdm-twoway-delay (#PCDATA)>

<!ELEMENT cfm-ethdm-twoway-delay-summary (cfm-ethdm-average-twoway-delay |
cfm-ethdm-average-twoway-delay-variation | cfm-ethdm-bestcase-twoway-delay |
cfm-ethdm-worstcase-twoway-delay)*>

<!ELEMENT cfm-ethdm-worstcase-oneway-delay (#PCDATA)>

<!ELEMENT cfm-ethdm-worstcase-twoway-delay (#PCDATA)>

<!ELEMENT cfm-ethlm-average-far-end-cir-loss (#PCDATA)>

<!ELEMENT cfm-ethlm-average-far-end-cir-loss-ratio (#PCDATA)>

<!ELEMENT cfm-ethlm-average-far-end-eir-loss (#PCDATA)>

<!ELEMENT cfm-ethlm-average-far-end-eir-loss-ratio (#PCDATA)>

<!ELEMENT cfm-ethlm-average-near-end-cir-loss (#PCDATA)>

<!ELEMENT cfm-ethlm-average-near-end-cir-loss-ratio (#PCDATA)>

<!ELEMENT cfm-ethlm-average-near-end-eir-loss (#PCDATA)>

<!ELEMENT cfm-ethlm-average-near-end-eir-loss-ratio (#PCDATA)>

<!ELEMENT cfm-ethlm-cir-loss-summary (cfm-ethlm-average-near-end-cir-loss |
cfm-ethlm-average-near-end-cir-loss-ratio | cfm-ethlm-average-far-end-cir-loss |
cfm-ethlm-average-far-end-cir-loss-ratio | cfm-ethlm-near-end-best-case-cir-loss
| cfm-ethlm-near-end-best-case-cir-loss-ratio |
cfm-ethlm-near-end-worst-case-cir-loss |
cfm-ethlm-near-end-worst-case-cir-loss-ratio | cfm-ethlm-far-end-best-case-cir-loss
| cfm-ethlm-far-end-best-case-cir-loss-ratio |
```

```

cfm-ethlm-far-end-worst-case-cir-loss |
cfm-ethlm-far-end-worst-case-cir-loss-ratio)*>

<!ELEMENT cfm-ethlm-eir-loss-summary (cfm-ethlm-average-near-end-eir-loss |
cfm-ethlm-average-near-end-eir-loss-ratio | cfm-ethlm-average-far-end-eir-loss |
cfm-ethlm-average-far-end-eir-loss-ratio | cfm-ethlm-near-end-best-case-eir-loss
| cfm-ethlm-near-end-best-case-eir-loss-ratio |
cfm-ethlm-near-end-worst-case-eir-loss |
cfm-ethlm-near-end-worst-case-eir-loss-ratio | cfm-ethlm-far-end-best-case-eir-loss
| cfm-ethlm-far-end-best-case-eir-loss-ratio |
cfm-ethlm-far-end-worst-case-eir-loss |
cfm-ethlm-far-end-worst-case-eir-loss-ratio)*>

<!ELEMENT cfm-ethlm-far-end-best-case-cir-loss (#PCDATA)>

<!ELEMENT cfm-ethlm-far-end-best-case-cir-loss-ratio (#PCDATA)>

<!ELEMENT cfm-ethlm-far-end-best-case-eir-loss (#PCDATA)>

<!ELEMENT cfm-ethlm-far-end-best-case-eir-loss-ratio (#PCDATA)>

<!ELEMENT cfm-ethlm-far-end-cir-frame-loss (#PCDATA)>

<!ELEMENT cfm-ethlm-far-end-cir-frame-loss-ratio (#PCDATA)>

<!ELEMENT cfm-ethlm-far-end-eir-frame-loss (#PCDATA)>

<!ELEMENT cfm-ethlm-far-end-eir-frame-loss-ratio (#PCDATA)>

<!ELEMENT cfm-ethlm-far-end-total-cir-tx (#PCDATA)>

<!ELEMENT cfm-ethlm-far-end-total-eir-tx (#PCDATA)>

<!ELEMENT cfm-ethlm-far-end-worst-case-cir-loss (#PCDATA)>

<!ELEMENT cfm-ethlm-far-end-worst-case-cir-loss-ratio (#PCDATA)>

<!ELEMENT cfm-ethlm-far-end-worst-case-eir-loss (#PCDATA)>

<!ELEMENT cfm-ethlm-far-end-worst-case-eir-loss-ratio (#PCDATA)>

<!ELEMENT cfm-ethlm-loss-entry (cfm-ethlm-loss-entry-index |
cfm-ethlm-near-end-cir-frame-loss | cfm-ethlm-near-end-total-cir-tx |
cfm-ethlm-far-end-cir-frame-loss | cfm-ethlm-far-end-total-cir-tx |
cfm-ethlm-near-end-eir-frame-loss | cfm-ethlm-near-end-total-eir-tx |
cfm-ethlm-far-end-eir-frame-loss | cfm-ethlm-far-end-total-eir-tx |
cfm-ethlm-near-end-cir-frame-loss-ratio | cfm-ethlm-far-end-cir-frame-loss-ratio
| cfm-ethlm-near-end-eir-frame-loss-ratio |
cfm-ethlm-far-end-eir-frame-loss-ratio)*>

<!ELEMENT cfm-ethlm-loss-entry-index (#PCDATA)>

<!ELEMENT cfm-ethlm-near-end-best-case-cir-loss (#PCDATA)>

<!ELEMENT cfm-ethlm-near-end-best-case-cir-loss-ratio (#PCDATA)>

<!ELEMENT cfm-ethlm-near-end-best-case-eir-loss (#PCDATA)>

<!ELEMENT cfm-ethlm-near-end-best-case-eir-loss-ratio (#PCDATA)>

<!ELEMENT cfm-ethlm-near-end-cir-frame-loss (#PCDATA)>

```

```
<!ELEMENT cfm-ethlm-near-end-cir-frame-loss-ratio (#PCDATA)>

<!ELEMENT cfm-ethlm-near-end-eir-frame-loss (#PCDATA)>

<!ELEMENT cfm-ethlm-near-end-eir-frame-loss-ratio (#PCDATA)>

<!ELEMENT cfm-ethlm-near-end-total-cir-tx (#PCDATA)>

<!ELEMENT cfm-ethlm-near-end-total-eir-tx (#PCDATA)>

<!ELEMENT cfm-ethlm-near-end-worst-case-cir-loss (#PCDATA)>

<!ELEMENT cfm-ethlm-near-end-worst-case-cir-loss-ratio (#PCDATA)>

<!ELEMENT cfm-ethlm-near-end-worst-case-eir-loss (#PCDATA)>

<!ELEMENT cfm-ethlm-near-end-worst-case-eir-loss-ratio (#PCDATA)>

<!ELEMENT cfm-filter (cfm-filter-name | cfm-filter-state | cfm-filter-term-count
| cfm-filter-term-attachment)*>
<ATTLIST cfm-filter junos:style CDATA #IMPLIED>

<!ELEMENT cfm-filter-action (#PCDATA)>

<!ELEMENT cfm-filter-name (#PCDATA)>

<!ELEMENT cfm-filter-state (#PCDATA)>

<!ELEMENT cfm-filter-term (cfm-filter-term-name | cfm-filter-term-id |
cfm-filter-term-state | cfm-filter-term-key | cfm-filter-term-action |
cfm-filter-term-action-details | cfm-flood-nexthop-components |
cfm-policer-instance-name)*>
<ATTLIST cfm-filter-term junos:style CDATA #IMPLIED>

<!ELEMENT cfm-filter-term-action (#PCDATA)>

<!ELEMENT cfm-filter-term-action-details (#PCDATA)>

<!ELEMENT cfm-filter-term-attachment (#PCDATA)>

<!ELEMENT cfm-filter-term-count (#PCDATA)>

<!ELEMENT cfm-filter-term-id (#PCDATA)>

<!ELEMENT cfm-filter-term-key (#PCDATA)>

<!ELEMENT cfm-filter-term-name (#PCDATA)>

<!ELEMENT cfm-filter-term-state (#PCDATA)>

<!ELEMENT cfm-firewall-filter-instance-information (cfm-instance-name | cfm-filter
| cfm-filter-term)*>
<ATTLIST cfm-firewall-filter-instance-information junos:style CDATA #IMPLIED>

<!ELEMENT cfm-firewall-filter-interface-information (cfm-interface-name |
cfm-instance-name | cfm-filter | cfm-filter-term)*>
<ATTLIST cfm-firewall-filter-interface-information junos:style CDATA #IMPLIED>

<!ELEMENT cfm-flood-instance-information (cfm-instance-name |
cfm-num-active-customer-endpoint-iffs | cfm-num-active-vpn-endpoint-iffs |
```

```

cfm-flood-maintenance-domain-level)*>
<!ATTLIST cfm-flood-instance-information junos:style CDATA #IMPLIED>

<!ELEMENT cfm-flood-interface-information (cfm-interface-name | cfm-instance-name
| cfm-flood-maintenance-domain-level)*>
<!ATTLIST cfm-flood-interface-information junos:style CDATA #IMPLIED>

<!ELEMENT cfm-flood-maintenance-domain-level (cfm-level | cfm-local-mep-direction
| cfm-filter-action | cfm-nexthop-type | cfm-nexthop-index |
cfm-flood-nexthop-components)*>
<!ATTLIST cfm-flood-maintenance-domain-level junos:style CDATA #IMPLIED>

<!ELEMENT cfm-flood-nexthop-components (cfm-interface-name | cfm-interface-type
| cfm-interface-nexthop-type | cfm-interface-nexthop-index)*>

<!ELEMENT cfm-forwarding-table-filtering-simulation (#PCDATA)>

<!ELEMENT cfm-gres-flood-resynchronization (#PCDATA)>

<!ELEMENT cfm-hardware-assist-flooding (#PCDATA)>

<!ELEMENT cfm-hw-timestamping (#PCDATA)>

<!ELEMENT cfm-instance-mip-information (cfm-instance-name |
cfm-maintenance-domain-mhf | cfm-maintenance-association-mhf |
cfm-default-maintenance-domain-mhf | cfm-interface-mip-information)*>

<!ELEMENT cfm-instance-name (#PCDATA)>

<!ELEMENT cfm-interface (cfm-interface-snapshot | cfm-entry)*>

<!ELEMENT cfm-interface-continuity-check (cfm-continuity-check-status |
cfm-continuity-check-interval | cfm-continuity-check-loss-threshold)*>

<!ELEMENT cfm-interface-entry (cfm-interface-name | cfm-interface-status |
cfm-interface-link-status)*>

<!ELEMENT cfm-interface-link-status (#PCDATA)>

<!ELEMENT cfm-interface-local-mep-defects (cfm-defect-remote-mep-no-ccm |
cfm-defect-error-ccm | cfm-defect-cross-connect-ccm | cfm-defect-rdi-in-some-mep
| cfm-defect-mac-status)*>

<!ELEMENT cfm-interface-local-mep-info (cfm-local-mep-identifier |
cfm-local-mep-direction | cfm-local-mep-mac-address | cfm-local-mep-status)*>

<!ELEMENT cfm-interface-local-mep-statistics (cfm-total-ccm-sent |
cfm-out-of-sequence-ccm-received | cfm-lbm-sent | cfm-lbr-sent | cfm-lbr-received
| cfm-lbr-received-out-of-order | cfm-lbr-bad-msdu | cfm-total-ltm-sent |
cfm-total-ltm-received | cfm-total-ltr-sent | cfm-total-ltr-received |
cfm-next-ltm-sequence-number | cfm-onedm-sent | cfm-onedm-received |
cfm-onedm-received-invalid | cfm-onedm-received-outofsync | cfm-dmm-sent |
cfm-dmm-received | cfm-dmm-received-invalid | cfm-dmr-sent | cfm-dmr-received |
cfm-dmr-received-invalid | cfm-lmm-sent | cfm-lmm-received |
cfm-lmm-received-invalid | cfm-lmr-sent | cfm-lmr-received |
cfm-lmr-received-invalid)*>

<!ELEMENT cfm-interface-local-mep-tlv-info (cfm-local-mep-interface-status-tlv |
cfm-local-mep-port-status-tlv | cfm-local-mep-connection-protection-tlv |
cfm-local-mep-loss-threshold-tlv)*>

```

```
<!ELEMENT cfm-interface-mip-information (cfm-interface-name | cfm-level)*>

<!ELEMENT cfm-interface-name (#PCDATA)>

<!ELEMENT cfm-interface-nexthop-index (#PCDATA)>

<!ELEMENT cfm-interface-nexthop-type (#PCDATA)>

<!ELEMENT cfm-interface-remote-meps (cfm-remote-mep-count | cfm-remote-mep)*>
<!ATTLIST cfm-interface-remote-meps junos:style CDATA #IMPLIED>

<!ELEMENT cfm-interface-session (cfm-interface-session-identifier |
cfm-interface-continuity-check | cfm-interface-local-mep-tlv-info |
cfm-interface-local-mep-info | cfm-interface-local-mep-defects |
cfm-interface-local-mep-statistics | cfm-interface-remote-meps)*>

<!ELEMENT cfm-interface-session-identifier (cfm-level | cfm-maintenance-domain-name
| cfm-maintenance-domain-name-format | cfm-maintenance-association-name |
cfm-maintenance-association-name-format)*>

<!ELEMENT cfm-interface-session-snapshot (cfm-level | cfm-mep-identifier |
cfm-remote-mep-count)*>

<!ELEMENT cfm-interface-sessions (cfm-interface-session)*>

<!ELEMENT cfm-interface-snapshot (cfm-interface-name | cfm-interface-link-status
| cfm-interface-status | cfm-interface-session-snapshot)*>
<!ATTLIST cfm-interface-snapshot junos:style CDATA #IMPLIED>

<!ELEMENT cfm-interface-status (#PCDATA)>

<!ELEMENT cfm-interface-type (#PCDATA)>

<!ELEMENT cfm-internal-instance-state (#PCDATA)>

<!ELEMENT cfm-internal-interface-state (#PCDATA)>

<!ELEMENT cfm-internal-session-state (#PCDATA)>

<!ELEMENT cfm-iter-eth-sfl-entry (sfl-measurement-packets-sent |
sfl-measurement-packets-skipped-for-threshold-hit |
sfl-measurement-packets-skipped-for-threshold-hit-window |
sfl-measurement-packets-received | sfl-measurement-packets-out-of-sequence |
sfl-measurement-packets-fc-mismatch | sfl-measurement-cir-packets-sent |
sfl-measurement-eir-packets-sent | sfl-measurement-cir-packets-received |
sfl-measurement-eir-packets-received | sfl-measurement-cir-loss-count |
sfl-measurement-cir-loss-percent | sfl-measurement-eir-loss-count |
sfl-measurement-eir-loss-percent | sfl-measurement-loss-count |
sfl-measurement-loss-percent)*>

<!ELEMENT cfm-iter-ethdm-entry (cfm-delay-weight | cfm-delay-variation-weight |
cfm-dmm-sent | cfm-dmm-skipped-for-threshold-hit |
cfm-dmm-skipped-for-threshold-hit-window | cfm-dmr-received |
cfm-dmr-out-of-sequence | cfm-dmr-fc-mismatch | cfm-dmr-invalid-time-stamp |
cfm-average-twoway-delay | cfm-average-twoway-delay-variation |
cfm-average-oneway-fwd-delay-variation | cfm-average-oneway-bkwd-delay-variation
| cfm-weighted-average-twoway-delay | cfm-weighted-average-twoway-delay-variation
| cfm-weighted-average-oneway-fwd-delay-variation |
cfm-weighted-average-oneway-bkwd-delay-variation)*>

<!ELEMENT cfm-iter-ethlm-entry (cfm-lmm-sent | cfm-lmm-skipped-for-threshold-hit
```



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| cfm-lmm-skipped-for-threshold-hit-window | cfm-lmr-received | cfm-lmr-out-of-seq
| cfm-lmr-fc-mismatch | cfm-accu-tx-near-end-cir-loss-stats |
cfm-accu-tx-far-end-cir-loss-stats | cfm-accu-tx-near-end-eir-loss-stats |
cfm-accu-tx-far-end-eir-loss-stats | cfm-accu-loss-near-end-cir-loss-stats |
cfm-accu-loss-near-end-cir-loss-stats-percent |
cfm-accu-loss-far-end-cir-loss-stats | cfm-accu-loss-far-end-cir-loss-stats-percent
| cfm-accu-loss-near-end-eir-loss-stats |
cfm-accu-loss-near-end-eir-loss-stats-percent |
cfm-accu-loss-far-end-eir-loss-stats | cfm-accu-loss-far-end-eir-loss-stats-percent
| cfm-last-measured-near-end-cir-loss-stats |
cfm-last-measured-far-end-cir-loss-stats |
cfm-last-measured-near-end-eir-loss-stats |
cfm-last-measured-far-end-eir-loss-stats)*>

<!ELEMENT cfm-iter-info (cfm-iterator-name | cfm-iterator-identifier |
cfm-iterator-cycle-time | cfm-iteration-period | cfm-iterator-status |
cfm-iterator-forever-status | cfm-iteration-current-count |
cfm-iteration-remaining-count | cfm-iterator-counter-reset-time |
cfm-iterator-counter-reset-reason)*>

<!ELEMENT cfm-iter-mep-summary (cfm-level | cfm-maintenance-domain-name |
cfm-maintenance-association-name | cfm-local-mep-identifier |
cfm-remote-mep-identifier | cfm-remote-mep-mac-address |
cfm-iterator-error-status)*>

<!ELEMENT cfm-iteration-current-count (#PCDATA)>

<!ELEMENT cfm-iteration-period (#PCDATA)>

<!ELEMENT cfm-iteration-remaining-count (#PCDATA)>

<!ELEMENT cfm-iterator-counter-reset-reason (#PCDATA)>

<!ELEMENT cfm-iterator-counter-reset-time (#PCDATA)>

<!ELEMENT cfm-iterator-cycle-time (#PCDATA)>

<!ELEMENT cfm-iterator-error-status (#PCDATA)>

<!ELEMENT cfm-iterator-forever-status (#PCDATA)>

<!ELEMENT cfm-iterator-identifier (#PCDATA)>

<!ELEMENT cfm-iterator-name (#PCDATA)>

<!ELEMENT cfm-iterator-statistics (cfm-entry)*>

<!ELEMENT cfm-iterator-status (#PCDATA)>

<!ELEMENT cfm-last-measured-far-end-cir-loss-stats (#PCDATA)>

<!ELEMENT cfm-last-measured-far-end-eir-loss-stats (#PCDATA)>

<!ELEMENT cfm-last-measured-near-end-cir-loss-stats (#PCDATA)>

<!ELEMENT cfm-last-measured-near-end-eir-loss-stats (#PCDATA)>

<!ELEMENT cfm-lbm-sent (#PCDATA)>

<!ELEMENT cfm-lbr-bad-msdu (#PCDATA)>

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<!ELEMENT cfm-lbr-received (#PCDATA)>

<!ELEMENT cfm-lbr-received-out-of-order (#PCDATA)>

<!ELEMENT cfm-lbr-sent (#PCDATA)>

<!ELEMENT cfm-legend (#PCDATA)>

<!ELEMENT cfm-level (#PCDATA)>

<!ELEMENT cfm-linktrace-path-database (cfm-ltm-request-snapshot |
cfm-ltr-reply-entry)*>

<!ELEMENT cfm-lmm-received (#PCDATA)>

<!ELEMENT cfm-lmm-received-invalid (#PCDATA)>

<!ELEMENT cfm-lmm-sent (#PCDATA)>

<!ELEMENT cfm-lmm-skipped-for-threshold-hit (#PCDATA)>

<!ELEMENT cfm-lmm-skipped-for-threshold-hit-window (#PCDATA)>

<!ELEMENT cfm-lmr-fc-mismatch (#PCDATA)>

<!ELEMENT cfm-lmr-out-of-seq (#PCDATA)>

<!ELEMENT cfm-lmr-received (#PCDATA)>

<!ELEMENT cfm-lmr-received-invalid (#PCDATA)>

<!ELEMENT cfm-lmr-sent (#PCDATA)>

<!ELEMENT cfm-local-mep (cfm-local-mep-identifier | cfm-local-mep-direction |
cfm-local-mep-mac-address | cfm-local-mep-auto-discovery | cfm-local-mep-priority
| cfm-local-mep-port-status-tlv | cfm-local-mep-interface-status-tlv |
cfm-local-mep-connection-protection-tlv | cfm-local-mep-status)*>

<!ELEMENT cfm-local-mep-auto-discovery (#PCDATA)>

<!ELEMENT cfm-local-mep-connection-protection-tlv
(cfm-connection-protection-tlv-prefer-me |
cfm-connection-protection-tlv-protection-in-use |
cfm-connection-protection-tlv-frr-flag | cfm-connection-protection-tlv-status)*>

<!ELEMENT cfm-local-mep-defects (cfm-defect-remote-mep-no-ccm |
cfm-defect-error-ccm | cfm-defect-cross-connect-ccm | cfm-defect-rdi-in-some-mep
| cfm-defect-mac-status)*>

<!ELEMENT cfm-local-mep-direction (#PCDATA)>

<!ELEMENT cfm-local-mep-identifier (#PCDATA)>

<!ELEMENT cfm-local-mep-interface-status-tlv (#PCDATA)>

<!ELEMENT cfm-local-mep-loss-threshold-tlv (cfm-loss-threshold-tlv-value |
cfm-loss-threshold-tlv-flag)*>

<!ELEMENT cfm-local-mep-mac-address (#PCDATA)>

<!ELEMENT cfm-local-mep-packet-statistics (cfm-total-ccm-sent |
```

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cfm-out-of-sequence-ccm-received | cfm-lbm-sent | cfm-lbr-sent | cfm-lbr-received
| cfm-lbr-received-out-of-order | cfm-lbr-bad-msdu | cfm-total-ltm-sent |
cfm-total-ltm-received | cfm-total-ltr-sent | cfm-total-ltr-received |
cfm-next-ltm-sequence-number | cfm-onedm-sent | cfm-onedm-received |
cfm-onedm-received-invalid | cfm-onedm-received-outofsync | cfm-dmm-sent |
cfm-dmm-received | cfm-dmm-received-invalid | cfm-dmr-sent | cfm-dmr-received |
cfm-dmr-received-invalid | cfm-lmm-sent | cfm-lmm-received |
cfm-lmm-received-invalid | cfm-lmr-sent | cfm-lmr-received |
cfm-lmr-received-invalid)*>

<!ELEMENT cfm-local-mep-port-status-tlv (#PCDATA)>

<!ELEMENT cfm-local-mep-priority (#PCDATA)>

<!ELEMENT cfm-local-mep-statistics (cfm-total-ccm-sent |
cfm-out-of-sequence-ccm-received | cfm-lbm-sent | cfm-lbr-sent | cfm-lbr-received
| cfm-lbr-received-out-of-order | cfm-lbr-bad-msdu | cfm-total-ltm-sent |
cfm-total-ltm-received | cfm-total-ltr-sent | cfm-total-ltr-received |
cfm-next-ltm-sequence-number | cfm-onedm-sent | cfm-onedm-received |
cfm-onedm-received-invalid | cfm-onedm-received-outofsync | cfm-dmm-sent |
cfm-dmm-received | cfm-dmm-received-invalid | cfm-dmr-sent | cfm-dmr-received |
cfm-dmr-received-invalid | cfm-lmm-sent | cfm-lmm-received |
cfm-lmm-received-invalid | cfm-lmr-sent | cfm-lmr-received |
cfm-lmr-received-invalid)*>

<!ELEMENT cfm-local-mep-status (#PCDATA)>

<!ELEMENT cfm-loss-statistics (cfm-entry)*>

<!ELEMENT cfm-loss-threshold-tlv-flag (#PCDATA)>

<!ELEMENT cfm-loss-threshold-tlv-value (#PCDATA)>

<!ELEMENT cfm-ltm-request-snapshot (cfm-interface-name | cfm-level |
cfm-maintenance-domain-name | cfm-maintenance-association-name |
cfm-local-mep-identifier | cfm-ltm-target-mac-address)*>

<!ELEMENT cfm-ltm-target-mac-address (#PCDATA)>

<!ELEMENT cfm-ltm-transaction-identifier (#PCDATA)>

<!ELEMENT cfm-ltr-mep-mip-mac-address (#PCDATA)>

<!ELEMENT cfm-ltr-next-hop-mac-address (#PCDATA)>

<!ELEMENT cfm-ltr-reply-entry (cfm-ltm-transaction-identifier |
cfm-ltr-request-hop-identifier | cfm-ltr-reply-ttl | cfm-ltr-mep-mip-mac-address
| cfm-ltr-next-hop-mac-address)*>

<!ELEMENT cfm-ltr-reply-ttl (#PCDATA)>

<!ELEMENT cfm-ltr-request-hop-identifier (#PCDATA)>

<!ELEMENT cfm-maintenance-association-mhf (#PCDATA)>

<!ELEMENT cfm-maintenance-association-name (#PCDATA)>

<!ELEMENT cfm-maintenance-association-name-format (#PCDATA)>

<!ELEMENT cfm-maintenance-domain-mhf (#PCDATA)>

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<!ELEMENT cfm-maintenance-domain-name (#PCDATA)>

<!ELEMENT cfm-maintenance-domain-name-format (#PCDATA)>

<!ELEMENT cfm-mark-connection-protection-tlv (#PCDATA)>

<!ELEMENT cfm-mep-database (cfm-entry)*>

<!ELEMENT cfm-mep-database-continuity-check (cfm-continuity-check-status |
cfm-continuity-check-interval | cfm-continuity-check-loss-threshold)*>

<!ELEMENT cfm-mep-database-interface (cfm-interface-name | cfm-interface-status
| cfm-interface-link-status)*>

<!ELEMENT cfm-mep-database-session (cfm-maintenance-domain-name |
cfm-maintenance-domain-name-format | cfm-level | cfm-maintenance-association-name
| cfm-maintenance-association-name-format)*>

<!ELEMENT cfm-mep-identifier (#PCDATA)>

<!ELEMENT cfm-mep-statistics (cfm-entry)*>

<!ELEMENT cfm-mep-statistics-mep-summary (cfm-local-mep-identifier |
cfm-local-mep-mac-address | cfm-remote-mep-count)*>

<!ELEMENT cfm-mhf-type (#PCDATA)>

<!ELEMENT cfm-mip-information (cfm-instance-mip-information)*>

<!ELEMENT cfm-next-ltm-sequence-number (#PCDATA)>

<!ELEMENT cfm-nexthop-index (#PCDATA)>

<!ELEMENT cfm-nexthop-information (cfm-nexthop-index | cfm-nexthop-type |
cfm-nexthop-last-operation | cfm-nexthop-last-error | cfm-nexthop-statistics |
cfm-nexthop-reference-count | cfm-nexthop-owner | cfm-level |
cfm-flood-nexthop-components)*>
<!ATTLIST cfm-nexthop-information junos:style CDATA #IMPLIED>

<!ELEMENT cfm-nexthop-last-error (#PCDATA)>

<!ELEMENT cfm-nexthop-last-operation (#PCDATA)>

<!ELEMENT cfm-nexthop-owner (#PCDATA)>

<!ELEMENT cfm-nexthop-reference-count (#PCDATA)>

<!ELEMENT cfm-nexthop-statistics (#PCDATA)>

<!ELEMENT cfm-nexthop-type (#PCDATA)>

<!ELEMENT cfm-num-active-customer-endpoint-iffs (#PCDATA)>

<!ELEMENT cfm-num-active-vpn-endpoint-iffs (#PCDATA)>

<!ELEMENT cfm-onedm-received (#PCDATA)>

<!ELEMENT cfm-onedm-received-invalid (#PCDATA)>

<!ELEMENT cfm-onedm-received-outofsync (#PCDATA)>
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<!ELEMENT cfm-onedm-sent (#PCDATA)>

<!ELEMENT cfm-out-of-sequence-ccm-received (#PCDATA)>

<!ELEMENT cfm-policer (cfm-legend | cfm-policer-sessions)*>

<!ELEMENT cfm-policer-drop-count (#PCDATA)>

<!ELEMENT cfm-policer-instance-name (#PCDATA)>

<!ELEMENT cfm-policer-instance-reference-count (#PCDATA)>

<!ELEMENT cfm-policer-maintenance-association-entries
(cfm-policer-maintenance-association-entry)*>

<!ELEMENT cfm-policer-maintenance-association-entry
(cfm-maintenance-association-name | cfm-policer-name | cfm-policer-type |
cfm-policer-scope | cfm-policer-drop-count)*>

<!ELEMENT cfm-policer-maintenance-domain-entry (cfm-maintenance-domain-name |
cfm-level)*>

<!ELEMENT cfm-policer-name (#PCDATA)>

<!ELEMENT cfm-policer-scope (#PCDATA)>

<!ELEMENT cfm-policer-session (cfm-policer-maintenance-domain-entry |
cfm-policer-maintenance-association-entries)*>

<!ELEMENT cfm-policer-sessions (cfm-policer-session)*>

<!ELEMENT cfm-policer-type (#PCDATA)>

<!ELEMENT cfm-ppmd-blocked-count (#PCDATA)>

<!ELEMENT cfm-ppmd-connection-state (#PCDATA)>

<!ELEMENT cfm-ppmd-flow-state (#PCDATA)>

<!ELEMENT cfm-ppmd-job-state (#PCDATA)>

<!ELEMENT cfm-remote-mep (cfm-remote-mep-identifier | cfm-remote-mep-state |
cfm-remote-mep-mac-address | cfm-remote-mep-interface | cfm-remote-mep-type |
cfm-remote-mep-loss-threshold | cfm-remote-mep-rdi | cfm-remote-mep-last-flapped
| cfm-remote-mep-last-dm-stats-cleared | cfm-remote-mep-last-lm-stats-cleared |
cfm-remote-mep-continuity | cfm-remote-mep-admin-enable-time |
cfm-remote-mep-oper-down-time | cfm-remote-mep-port-status-tlv |
cfm-remote-mep-interface-status-tlv | cfm-remote-mep-connection-protection-tlv |
cfm-remote-mep-loss-threshold-tlv)*>

<!ELEMENT cfm-remote-mep-admin-enable-time (#PCDATA)>

<!ELEMENT cfm-remote-mep-ap (cfm-action-profile-name | cfm-ap-last-event |
cfm-ap-action-name | cfm-ap-action-time | cfm-ap-last-event-cleared-time)*>

<!ELEMENT cfm-remote-mep-brief-summary (cfm-remote-mep-identifier |
cfm-remote-mep-mac-address)*>

<!ELEMENT cfm-remote-mep-connection-protection-tlv
(cfm-connection-protection-tlv-prefer-me |
cfm-connection-protection-tlv-protection-in-use |

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cfm-connection-protection-tlv-frr-flag)*>

<!ELEMENT cfm-remote-mep-continuity (#PCDATA)>

<!ELEMENT cfm-remote-mep-count (#PCDATA)>

<!ELEMENT cfm-remote-mep-identifier (#PCDATA)>

<!ELEMENT cfm-remote-mep-interface (#PCDATA)>

<!ELEMENT cfm-remote-mep-interface-status-tlv (#PCDATA)>

<!ELEMENT cfm-remote-mep-last-dm-stats-cleared (#PCDATA)>

<!ELEMENT cfm-remote-mep-last-flapped (#PCDATA)>

<!ELEMENT cfm-remote-mep-last-lm-stats-cleared (#PCDATA)>

<!ELEMENT cfm-remote-mep-loss-threshold (#PCDATA)>

<!ELEMENT cfm-remote-mep-loss-threshold-tlv (cfm-loss-threshold-tlv-value |
cfm-loss-threshold-tlv-flag)*>

<!ELEMENT cfm-remote-mep-mac-address (#PCDATA)>

<!ELEMENT cfm-remote-mep-oper-down-time (#PCDATA)>

<!ELEMENT cfm-remote-mep-port-status-tlv (#PCDATA)>

<!ELEMENT cfm-remote-mep-rdi (#PCDATA)>

<!ELEMENT cfm-remote-mep-state (#PCDATA)>

<!ELEMENT cfm-remote-mep-type (#PCDATA)>

<!ELEMENT cfm-remote-meps (cfm-remote-mep-count | cfm-remote-mep |
cfm-remote-mep-ap)*>
<!ATTLIST cfm-remote-meps junos:style CDATA #IMPLIED>

<!ELEMENT cfm-route-information (cfm-route-prefix | cfm-nexthop-index |
cfm-route-last-operation | cfm-route-last-error | cfm-route-statistics | cfm-level
| cfm-route-table-index | cfm-route-owner | cfm-flood-nexthop-components)*>
<!ATTLIST cfm-route-information junos:style CDATA #IMPLIED>

<!ELEMENT cfm-route-last-error (#PCDATA)>

<!ELEMENT cfm-route-last-operation (#PCDATA)>

<!ELEMENT cfm-route-maintenance-domain-level (cfm-level | cfm-local-mep-direction
| cfm-transmit-route-prefix | cfm-nexthop-index | cfm-flood-nexthop-components)*>
<!ATTLIST cfm-route-maintenance-domain-level junos:style CDATA #IMPLIED>

<!ELEMENT cfm-route-owner (#PCDATA)>

<!ELEMENT cfm-route-prefix (#PCDATA)>

<!ELEMENT cfm-route-socket-message-add (#PCDATA)>

<!ELEMENT cfm-route-socket-message-change (#PCDATA)>

<!ELEMENT cfm-route-socket-message-counters (cfm-route-socket-message-type |
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cfm-route-socket-message-add | cfm-route-socket-message-change |
cfm-route-socket-message-delete)*>

<!ELEMENT cfm-route-socket-message-delete (#PCDATA)>

<!ELEMENT cfm-route-socket-message-type (#PCDATA)>

<!ELEMENT cfm-route-statistics (#PCDATA)>

<!ELEMENT cfm-route-table-index (#PCDATA)>

<!ELEMENT cfm-session-count (#PCDATA)>

<!ELEMENT cfm-session-created-count (#PCDATA)>

<!ELEMENT cfm-session-defect-description (#PCDATA)>

<!ELEMENT cfm-session-defect-type (#PCDATA)>

<!ELEMENT cfm-session-deleted-count (#PCDATA)>

<!ELEMENT cfm-session-freed-count (#PCDATA)>

<!ELEMENT cfm-shared-interface-filters (#PCDATA)>

<!ELEMENT cfm-token-based-forwarding (#PCDATA)>

<!ELEMENT cfm-total-ccm-sent (#PCDATA)>

<!ELEMENT cfm-total-ltm-received (#PCDATA)>

<!ELEMENT cfm-total-ltm-sent (#PCDATA)>

<!ELEMENT cfm-total-ltr-received (#PCDATA)>

<!ELEMENT cfm-total-ltr-sent (#PCDATA)>

<!ELEMENT cfm-transmit-interface-information (cfm-interface-name |
cfm-instance-name | cfm-route-maintenance-domain-level)*>
<ATTLIST cfm-transmit-interface-information junos:style CDATA #IMPLIED>

<!ELEMENT cfm-transmit-route-prefix (#PCDATA)>

<!ELEMENT cfm-vpls (#PCDATA)>

<!ELEMENT cfm-weighted-average-oneway-bkwd-delay-variation (#PCDATA)>

<!ELEMENT cfm-weighted-average-oneway-fwd-delay-variation (#PCDATA)>

<!ELEMENT cfm-weighted-average-twoway-delay (#PCDATA)>

<!ELEMENT cfm-weighted-average-twoway-delay-variation (#PCDATA)>

<!ELEMENT cfmd-clear-continuity-measurement (#PCDATA)>

<!ELEMENT cfmd-clear-delay-statistics (#PCDATA)>

<!ELEMENT cfmd-clear-iterator-statistics (#PCDATA)>

<!ELEMENT cfmd-clear-loss-statistics (#PCDATA)>

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<!ELEMENT cfmd-clear-path-database (#PCDATA)>

<!ELEMENT cfmd-clear-policer-statistics (#PCDATA)>

<!ELEMENT cfmd-clear-statistics (#PCDATA)>

<!ELEMENT cfmd-internal-state (cfm-session-count | cfm-session-created-count |
cfm-session-deleted-count | cfm-session-freed-count | cfm-vpls |
cfm-token-based-forwarding | cfm-forwarding-table-filtering-simulation |
cfm-hardware-assist-flooding | cfm-gres-flood-resynchronization |
cfm-shared-interface-filters | cfm-hw-timestamping |
cfm-mark-connection-protection-tlv | cfm-ppmd-connection-state |
cfm-ppmd-flow-state | cfm-ppmd-job-state | cfm-ppmd-blocked-count |
cfm-dfwd-connection-state | cfm-dfwd-reconnect-count | cfm-dfwd-requests-sent |
cfm-dfwd-requests-accepted | cfm-dfwd-requests-rejected | cfm-dfwd-requests-lost
| cfm-dfwd-pending-transactions | cfm-dfwd-policer-instance-info)*>

<!ELEMENT eaps-action-result (#PCDATA)>

<!ELEMENT sfl-measurement-cir-loss-count (#PCDATA)>

<!ELEMENT sfl-measurement-cir-loss-percent (#PCDATA)>

<!ELEMENT sfl-measurement-cir-packets-received (#PCDATA)>

<!ELEMENT sfl-measurement-cir-packets-sent (#PCDATA)>

<!ELEMENT sfl-measurement-eir-loss-count (#PCDATA)>

<!ELEMENT sfl-measurement-eir-loss-percent (#PCDATA)>

<!ELEMENT sfl-measurement-eir-packets-received (#PCDATA)>

<!ELEMENT sfl-measurement-eir-packets-sent (#PCDATA)>

<!ELEMENT sfl-measurement-loss-count (#PCDATA)>

<!ELEMENT sfl-measurement-loss-percent (#PCDATA)>

<!ELEMENT sfl-measurement-packets-fc-mismatch (#PCDATA)>

<!ELEMENT sfl-measurement-packets-out-of-sequence (#PCDATA)>

<!ELEMENT sfl-measurement-packets-received (#PCDATA)>

<!ELEMENT sfl-measurement-packets-sent (#PCDATA)>

<!ELEMENT sfl-measurement-packets-skipped-for-threshold-hit (#PCDATA)>

<!ELEMENT sfl-measurement-packets-skipped-for-threshold-hit-window (#PCDATA)>
```



## CHAPTER 27

# DTD for Chassis Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-chassis.dtd`, which lists the Junos XML tags that contain information about chassis. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-chassis.dtd -->

<!ELEMENT ac-actual-feed (#PCDATA)>

<!ELEMENT ac-expect-feed (#PCDATA)>

<!ELEMENT ac-input (#PCDATA)>

<!ELEMENT ac-input-detail (ac-input | ac-expect-feed | ac-actual-feed)*>

<!ELEMENT act-end-time (#PCDATA)>
<ATTLIST act-end-time junos:seconds CDATA #IMPLIED>

<!ELEMENT act-reason (#PCDATA)>

<!ELEMENT act-start-time (#PCDATA)>
<ATTLIST act-start-time junos:seconds CDATA #IMPLIED>

<!ELEMENT activate-count (#PCDATA)>

<!ELEMENT active-led EMPTY>

<!ELEMENT active-time (#PCDATA)>
<ATTLIST active-time junos:seconds CDATA #IMPLIED>

<!ELEMENT activity-led (#PCDATA)>

<!ELEMENT actual-power-used (#PCDATA)>

<!ELEMENT actual-voltage (#PCDATA)>

<!ELEMENT address (#PCDATA)>

<!ELEMENT airflow (#PCDATA)>

<!ELEMENT airflow-direction (airflow | direction)*>
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<!ELEMENT alarm-indicators (red-led | yellow-led | major-alarm-relay |
minor-alarm-relay)*>

<!ELEMENT altitude (#PCDATA)>
<!ATTLIST altitude junos:format CDATA #IMPLIED>

<!ELEMENT amber-led EMPTY>

<!ELEMENT asic-information (#PCDATA)>

<!ELEMENT asic-name (#PCDATA)>

<!ELEMENT asic-type (#PCDATA)>

<!ELEMENT assembly-flags (#PCDATA)>

<!ELEMENT assembly-identifier (#PCDATA)>

<!ELEMENT assembly-version (#PCDATA)>

<!ELEMENT automatic-switching (#PCDATA)>

<!ELEMENT bad-fan-red-alarm (#PCDATA)>
<!ATTLIST bad-fan-red-alarm junos:celsius CDATA #IMPLIED>

<!ELEMENT bad-fan-yellow-alarm (#PCDATA)>
<!ATTLIST bad-fan-yellow-alarm junos:celsius CDATA #IMPLIED>

<!ELEMENT base-power (#PCDATA)>

<!ELEMENT beacon-name (#PCDATA)>

<!ELEMENT beacon-state (#PCDATA)>

<!ELEMENT bios-date (#PCDATA)>

<!ELEMENT bios-id (#PCDATA)>

<!ELEMENT bios-version (#PCDATA)>

<!ELEMENT blink-led EMPTY>

<!ELEMENT blue-led EMPTY>

<!ELEMENT board-information-record (#PCDATA)>

<!ELEMENT building (#PCDATA)>

<!ELEMENT bus-revision (#PCDATA)>

<!ELEMENT cable-type (#PCDATA)>

<!ELEMENT capacity-actual (#PCDATA)>

<!ELEMENT capacity-actual-usage (#PCDATA)>

<!ELEMENT capacity-allocated (#PCDATA)>

<!ELEMENT capacity-load (#PCDATA)>

<!ELEMENT capacity-max (#PCDATA)>
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<!ELEMENT capacity-remaining (#PCDATA)>

<!ELEMENT capacity-sys-actual (#PCDATA)>

<!ELEMENT capacity-sys-max (#PCDATA)>

<!ELEMENT capacity-sys-remaining (#PCDATA)>

<!ELEMENT card-detail (#PCDATA)>

<!ELEMENT card-pos (#PCDATA)>

<!ELEMENT card-slot (#PCDATA)>

<!ELEMENT card-slot-num (#PCDATA)>

<!ELEMENT card-type (#PCDATA)>

<!ELEMENT cb (slot | amber-led | green-led | blue-led)*>

<!ELEMENT cb-panel (cb)*>

<!ELEMENT cb-slot (#PCDATA)>

<!ELEMENT cfm-ok-fail-led (red-led | yellow-led | amber-led)*>

<!ELEMENT cfm-service-led (red-led | yellow-led | amber-led)*>

<!ELEMENT chassis (hardware-incomplete | name | version | part-number |
serial-number | model-number | clei-code | description | i2c-information |
chassis-module)*>
<!ATTLIST chassis junos:style CDATA #IMPLIED>

<!ELEMENT chassis-beacon-information (chassis-beacon-item)*>

<!ELEMENT chassis-beacon-item (beacon-name | beacon-state)*>

<!ELEMENT chassis-fabric-card-information-internal (card-pos | card-slot |
card-type | management-status | hw-status | min-chip-id | max-chip-id)*>

<!ELEMENT chassis-fabric-ccpc-incoming-links-header (card-detail | card-slot-num)*>

<!ELEMENT chassis-fabric-ccpc-outgoing-links-header (card-detail | card-slot-num)*>

<!ELEMENT chassis-fabric-chip-down-links-internal (src-chip | src-port | dst-chip
| dst-port)*>

<!ELEMENT chassis-fabric-chip-error-links-internal (src-chip | src-port | dst-chip
| dst-port)*>

<!ELEMENT chassis-fabric-chip-in-links-internal (src-chip | src-port | dst-chip
| dst-port | management-status | hw-status)*>

<!ELEMENT chassis-fabric-chip-information-internal (chip-id | chip-type |
management-status | hw-status)*>

<!ELEMENT chassis-fabric-chip-out-links-internal (src-chip | src-port | dst-chip
| dst-port | management-status | hw-status)*>

<!ELEMENT chassis-fabric-chip-up-links-internal (src-chip | src-port | dst-chip

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| dst-port)*>

<!ELEMENT chassis-fabric-connectivity (device-id | chassis-type |
chassis-fabric-links-header | chassis-fabric-ccpc-incoming-links-header |
chassis-fabric-ccpc-outgoing-links-header | chassis-fabric-links)*>

<!ELEMENT chassis-fabric-information (device-id | chassis-type | management-status
| hw-status | chassis-fabric-links-header |
chassis-fabric-ccpc-incoming-links-header |
chassis-fabric-ccpc-outgoing-links-header | chassis-fabric-links |
chassis-fabric-information-internal | chassis-fabric-card-information-internal |
chassis-fabric-chip-information-internal | chassis-fabric-chip-in-links-internal
| chassis-fabric-chip-out-links-internal | chassis-fabric-chip-up-links-internal
| chassis-fabric-chip-down-links-internal |
chassis-fabric-chip-error-links-internal)*>

<!ELEMENT chassis-fabric-information-device (device-id | chassis-type |
management-status | hw-status | chassis-fabric-information-internal)*>

<!ELEMENT chassis-fabric-information-internal (chassis-id | min-chip-id |
max-chip-id)*>

<!ELEMENT chassis-fabric-links (src-link | dst-link | hw-status)*>

<!ELEMENT chassis-fabric-links-header (fm-space-tab)*>

<!ELEMENT chassis-fabric-spray-weight-card-information (card-pos | card-slot |
card-type)*>

<!ELEMENT chassis-fabric-spray-weight-chip-information (chip-num | chip-type)*>

<!ELEMENT chassis-fabric-spray-weight-chip-information-internal (chip-id |
chip-type)*>

<!ELEMENT chassis-fabric-spray-weight-cumulative (vpfe-id | spray-cumulative-weight
| spray-max-links-to-destination | spray-destination-mask)*>

<!ELEMENT chassis-fabric-spray-weight-information (device-id | chassis-type |
chassis-fabric-spray-weight-card-information |
chassis-fabric-spray-weight-chip-information |
chassis-fabric-spray-weights-on-four-links |
chassis-fabric-spray-weights-on-eight-links |
chassis-fabric-spray-weights-on-eight-links-value |
chassis-fabric-spray-weight-cumulative | chassis-fabric-information-internal |
chassis-fabric-spray-weight-chip-information-internal)*>

<!ELEMENT chassis-fabric-spray-weights-on-eight-links (vpfe-id | spray-weight0 |
spray-weight1 | spray-weight2 | spray-weight3 | spray-weight4 | spray-weight5 |
spray-weight6 | spray-weight7)*>

<!ELEMENT chassis-fabric-spray-weights-on-eight-links-value (vpfe-id |
spray-weight0 | spray-weight1 | spray-weight2 | spray-weight3 | spray-weight4 |
spray-weight5 | spray-weight6 | spray-weight7)*>

<!ELEMENT chassis-fabric-spray-weights-on-four-links (vpfe-id | spray-weight0 |
spray-weight1 | spray-weight2 | spray-weight3)*>

<!ELEMENT chassis-id (#PCDATA)>

<!ELEMENT chassis-inventory (chassis)*>

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<!ELEMENT chassis-location (chassis-location-information)*>

<!ELEMENT chassis-location-fpc (chassis-location-fpc-information)*>

<!ELEMENT chassis-location-fpc-information (global-fpc-number | lcc-number |
local-fpc-number)*>

<!ELEMENT chassis-location-information (country-code | postal-code | npa-nxx |
latitude | longitude | altitude | lata | vcoord | hcoord | building | floor |
rack)*>

<!ELEMENT chassis-module (name | version | part-number | serial-number |
model-number | clei-code | description | i2c-information | firmware |
chassis-sub-module | chassis-re-disk-module | chassis-re-usb-module |
chassis-re-dimm-module)*>

<!ELEMENT chassis-re-dimm-module (name | part-number | die-rev | pcb-rev |
mfr-id)*>

<!ELEMENT chassis-re-disk-module (name | model | serial-number | disk-size |
description)*>

<!ELEMENT chassis-re-usb-module (name | product | product-number | vendor |
description)*>

<!ELEMENT chassis-sub-module (name | version | part-number | serial-number |
model-number | clei-code | description | i2c-information | firmware |
chassis-sub-sub-module)*>

<!ELEMENT chassis-sub-sub-module (name | version | part-number | serial-number |
model-number | clei-code | description | chassis-sub-sub-sub-module)*>

<!ELEMENT chassis-sub-sub-sub-module (name | version | part-number | serial-number
| model-number | clei-code | description)*>

<!ELEMENT chassis-type (#PCDATA)>

<!ELEMENT chassis-zones-information (name | temperature | zone-status | comment
| fan-missing-cnt | fan-failed-cnt | fan-dutycycle | fru-name | cooling-fru-name
| fru-temp-status | fru-fan-status | fru-status | fru-temperature | fru-comment
| cooled-frus | cooling-frus)*>

<!ELEMENT chassisd-database-memory-usage (database-memory-usage)*>

<!ELEMENT chip-id (#PCDATA)>

<!ELEMENT chip-num (#PCDATA)>

<!ELEMENT chip-type (#PCDATA)>

<!ELEMENT class (#PCDATA)>

<!ELEMENT clei-code (#PCDATA)>

<!ELEMENT clock-fru (#PCDATA)>

<!ELEMENT clock-state (#PCDATA)>

<!ELEMENT clock-synchronization (clock-fru | mastership-state | signal-type |
switching-mode | line-termination | transmit | validation-interval |
automatic-switching | marked-as-failed-source-list | synchronization-source-list)*>

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<!ELEMENT clock-synchronization-information (clock-synchronization)*>

<!ELEMENT cmb-revision (#PCDATA)>

<!ELEMENT comment (#PCDATA)>

<!ELEMENT configured-mode (#PCDATA)>

<!ELEMENT configured-source (source-priority | source-name | deviation |
last-deviation | status)*>

<!ELEMENT configured-source-list (configured-source)*>

<!ELEMENT connected-fpcs (#PCDATA)>
<ATTLIST connected-fpcs junos:format CDATA #IMPLIED>

<!ELEMENT connectivity-led0 (#PCDATA)>

<!ELEMENT connectivity-led1 (#PCDATA)>

<!ELEMENT connectivity-led2 (#PCDATA)>

<!ELEMENT connectivity-led3 (#PCDATA)>

<!ELEMENT connectivity-led4 (#PCDATA)>

<!ELEMENT connectivity-led5 (#PCDATA)>

<!ELEMENT control-plane-cpu-count (#PCDATA)>

<!ELEMENT controller-asterisk (#PCDATA)>

<!ELEMENT controller-firmware-available (#PCDATA)>

<!ELEMENT controller-guardband (#PCDATA)>

<!ELEMENT controller-information (controller-number | controller-firmware-available
| controller-maxpower | controller-power | controller-asterisk |
controller-guardband | controller-management | controller-status)*>

<!ELEMENT controller-management (#PCDATA)>

<!ELEMENT controller-maxpower (#PCDATA)>

<!ELEMENT controller-number (#PCDATA)>

<!ELEMENT controller-power (#PCDATA)>

<!ELEMENT controller-status (#PCDATA)>

<!ELEMENT cooled-frus (#PCDATA)>

<!ELEMENT cooling-fru-name (#PCDATA)>

<!ELEMENT cooling-frus (#PCDATA)>

<!ELEMENT country-code (#PCDATA)>

<!ELEMENT cpu-background (#PCDATA)>
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<!ELEMENT cpu-idle (#PCDATA)>
<!ELEMENT cpu-interrupt (#PCDATA)>
<!ELEMENT cpu-less-info-str (#PCDATA)>
<!ELEMENT cpu-real-time (#PCDATA)>
<!ELEMENT cpu-rom-version (#PCDATA)>
<!ELEMENT cpu-sw-version (#PCDATA)>
<!ELEMENT cpu-system (#PCDATA)>
<!ELEMENT cpu-temperature (#PCDATA)>
<!ELEMENT cpu-total (#PCDATA)>
<!ELEMENT cpu-total-rt (#PCDATA)>
<!ELEMENT cpu-total-ukern (#PCDATA)>
<!ELEMENT cpu-user (#PCDATA)>
<!ELEMENT craft-information (front-panel | recb-panel | mcs-panel | sfm-panel |
pcg-panel | cb-panel | sib-panel | scg-panel | feb-panel | power-supply-panel |
fan-tray-panel | output)*>
<!ELEMENT craft-lcd-led-information (front-panel-lcd | front-panel-title |
display-panel-lcd | display-row-1 | display-row-2 | name)*>
<!ELEMENT current-act (#PCDATA)>
<!ELEMENT current-phase (#PCDATA)>
<!ELEMENT current-phase-status (#PCDATA)>
<!ELEMENT current-source (clock-state | up-time | active-time | deviation |
last-deviation)*>
<!ELEMENT data (#PCDATA)>
<!ELEMENT data-center-fabric-information (#PCDATA)>
<!ELEMENT data-plane-cpu-count (#PCDATA)>
<!ELEMENT database-allocated-size (#PCDATA)>
<!ELEMENT database-free-size (#PCDATA)>
<!ELEMENT database-memory-usage (database-size | database-allocated-size |
database-free-size)*>
<!ELEMENT database-size (#PCDATA)>
<!ELEMENT dc-actual-feed (#PCDATA)>
<!ELEMENT dc-current (#PCDATA)>
<!ELEMENT dc-current-string (#PCDATA)>
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<!ELEMENT dc-detail (dc-device | dc-voltage | dc-current | dc-power | dc-load)*>

<!ELEMENT dc-detail2 (dc-device2 | dc-voltage-string | dc-current-string |
dc-power-string | dc-load-string)*>

<!ELEMENT dc-device (#PCDATA)>

<!ELEMENT dc-device2 (#PCDATA)>

<!ELEMENT dc-expect-feed (#PCDATA)>

<!ELEMENT dc-information (dc-input | dc-output | dc-detail | dc-detail2)*>

<!ELEMENT dc-input (#PCDATA)>

<!ELEMENT dc-input-detail (dc-input | reference-voltage | actual-voltage |
dc-expect-feed | dc-actual-feed)*>

<!ELEMENT dc-load (#PCDATA)>

<!ELEMENT dc-load-string (#PCDATA)>

<!ELEMENT dc-output (#PCDATA)>

<!ELEMENT dc-output-detail (dc-voltage | dc-current | dc-power | dc-load | zone)*>

<!ELEMENT dc-power (#PCDATA)>

<!ELEMENT dc-power-string (#PCDATA)>

<!ELEMENT dc-voltage (#PCDATA)>

<!ELEMENT dc-voltage-string (#PCDATA)>

<!ELEMENT description (#PCDATA)>

<!ELEMENT dest-pfe-xc-link (#PCDATA)>

<!ELEMENT destination-error (#PCDATA)>

<!ELEMENT detect-time (#PCDATA)>
<!ATTLIST detect-time junos:seconds CDATA #IMPLIED>

<!ELEMENT deviation (#PCDATA)>

<!ELEMENT device-id (#PCDATA)>

<!ELEMENT die-rev (#PCDATA)>

<!ELEMENT direction (#PCDATA)>

<!ELEMENT disk-size (#PCDATA)>

<!ELEMENT display-line (#PCDATA)>

<!ELEMENT display-panel (display-line)*>

<!ELEMENT display-panel-lcd (display-row-1 | display-row-2)*>

<!ELEMENT display-row-1 (#PCDATA)>
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<!ELEMENT display-row-2 (#PCDATA)>

<!ELEMENT dst-chip (#PCDATA)>

<!ELEMENT dst-link (#PCDATA)>

<!ELEMENT dst-port (#PCDATA)>

<!ELEMENT eeprom-version (#PCDATA)>

<!ELEMENT environment-component-information (environment-component-item)*>

<!ELEMENT environment-component-item (name | state | temperature-reading |
bus-revision | cmb-revision | fpga-revision | fpga-revision-detail | slave-revision
| reason | revision | slave-registers-information | fpga-registers |
power-information | frequency | pcg-frequency | dc-information | load | ac-input
| pmbus-table | airflow-direction | input-voltage | output-detail)*>

<!ELEMENT environment-information (environment-item)*>

<!ELEMENT environment-item (class | name | status | temperature | comment)*>

<!ELEMENT error-code (#PCDATA)>

<!ELEMENT even-odd (#PCDATA)>

<!ELEMENT exhaust-a-temperature (#PCDATA)>

<!ELEMENT exhaust-b-temperature (#PCDATA)>

<!ELEMENT exhaust-temperature (#PCDATA)>

<!ELEMENT f13-slot (#PCDATA)>

<!ELEMENT f2-link-state (#PCDATA)>

<!ELEMENT fab-reach-resolute (#PCDATA)>

<!ELEMENT fab-reach-status (#PCDATA)>

<!ELEMENT fab-reachability-action (act-reason | current-act | init-phase |
current-phase | current-phase-status | act-start-time | plane-restart-phase-status
| plane-restart-start-time | plane-restart-list | plane-timeout-list |
plane-restart-planes-offline | plane-restart-planes-offline-time |
plane-restart-planes-online | plane-restart-planes-online-time |
plane-restart-end-time | plane-fpc-restart-phase-status |
plane-fpc-restart-start-time | fpc-offline-start-time | fpc-offline-list |
fpc-offline-current | fpc-offline-time | fpc-offline-end-time |
fpc-online-start-time | fpc-online-list | fpc-online-current | fpc-online-time |
fpc-online-end-time | fpc-restart-list | fpc-restart-time |
fpc-offline-timeout-list | fpc-online-timeout-list |
plane-fpc-restart-phase-end-time | fpc-offline-phase-status |
fpc-offline-phase-start-time | fpc-offline-phase-end-time | act-end-time)*>
<!ATTLIST fab-reachability-action junos:style CDATA #IMPLIED>

<!ELEMENT fab-reachability-detect (unreach-dests | detect-time |
unreachability-reason)*>

<!ELEMENT fabric-header (#PCDATA)>

<!ELEMENT fabric-mx-upgrade-bw (fpc-fabric-upgrade-bw-info-item |

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fpc-fabric-upgrade-bw-retrain-single-item |
fpc-fabric-upgrade-bw-retrain-summary-item)*>

<!ELEMENT fabric-plane-number (#PCDATA)>

<!ELEMENT fabric-plane-status (#PCDATA)>

<!ELEMENT fail-led EMPTY>

<!ELEMENT failover-count (#PCDATA)>

<!ELEMENT fan-dutycycle (#PCDATA)>

<!ELEMENT fan-failed-cnt (#PCDATA)>

<!ELEMENT fan-high-speed (#PCDATA)>
<!ATTLIST fan-high-speed junos:celsius CDATA #IMPLIED>

<!ELEMENT fan-information (name | status | rpm | comment | fan-information-item)*>
<!ELEMENT fan-information-item (#PCDATA)>

<!ELEMENT fan-missing-cnt (#PCDATA)>

<!ELEMENT fan-normal-speed (#PCDATA)>
<!ATTLIST fan-normal-speed junos:celsius CDATA #IMPLIED>

<!ELEMENT fan-tray (slot | red-led | green-led)*>

<!ELEMENT fan-tray-actual-power EMPTY>

<!ELEMENT fan-tray-base-power (#PCDATA)>

<!ELEMENT fan-tray-panel (fan-tray)*>

<!ELEMENT fan-tray-slot (#PCDATA)>

<!ELEMENT fan-tray-type (#PCDATA)>

<!ELEMENT fchip-id (#PCDATA)>

<!ELEMENT feb (slot | ok-led | fail-led | active-led)*>

<!ELEMENT feb-active-led (#PCDATA)>

<!ELEMENT feb-fail-led (#PCDATA)>

<!ELEMENT feb-harderror-state (#PCDATA)>

<!ELEMENT feb-led (feb-slot | feb-state | feb-ok-led | feb-fail-led |
feb-active-led | connectivity-led0 | connectivity-led1 | connectivity-led2 |
connectivity-led3 | connectivity-led4 | connectivity-led5)*>

<!ELEMENT feb-led-information (feb-led)*>

<!ELEMENT feb-ok-led (#PCDATA)>

<!ELEMENT feb-panel (feb)*>

<!ELEMENT feb-redundancy-autofailover (#PCDATA)>
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<!ELEMENT feb-redundancy-error-information (feb-redundancy-group-errors)*>

<!ELEMENT feb-redundancy-group-description (#PCDATA)>

<!ELEMENT feb-redundancy-group-errors (feb-redundancy-group-name |
feb-redundancy-group-description | feb-redundancy-group-feb-errors)*>

<!ELEMENT feb-redundancy-group-feb-errors (feb-slot | feb-state |
feb-harderror-state | feb-redundancy-group-feb-fpc-errors |
feb-redundancy-group-feb-fabric-plane-errors)*>

<!ELEMENT feb-redundancy-group-feb-fabric-plane-errors (fabric-plane-number |
fabric-plane-status)*>

<!ELEMENT feb-redundancy-group-feb-fpc-errors (fpc-slot | fpc-link-status)*>

<!ELEMENT feb-redundancy-group-information (feb-redundancy-group-name |
feb-redundancy-group-description | feb-redundancy-group-information-item |
feb-redundancy-autofailover | feb-redundancy-switch-reason)*>

<!ELEMENT feb-redundancy-group-information-item (feb-slot | feb-state |
redundancy-priority | connected-fpcs | redundancy-state |
redundancy-state-description)*>

<!ELEMENT feb-redundancy-group-name (#PCDATA)>

<!ELEMENT feb-redundancy-information (feb-redundancy-group-information)*>

<!ELEMENT feb-redundancy-switch-reason (#PCDATA)>

<!ELEMENT feb-slot (#PCDATA)>

<!ELEMENT feb-state (#PCDATA)>

<!ELEMENT fiber-mode (#PCDATA)>

<!ELEMENT firmware (type | firmware-version)*>

<!ELEMENT firmware-action (#PCDATA)>

<!ELEMENT firmware-information (chassis)*>

<!ELEMENT firmware-name (#PCDATA)>

<!ELEMENT firmware-revision (#PCDATA)>

<!ELEMENT firmware-revision-available (#PCDATA)>

<!ELEMENT firmware-status (#PCDATA)>

<!ELEMENT firmware-tag (#PCDATA)>

<!ELEMENT firmware-type (#PCDATA)>

<!ELEMENT firmware-version (#PCDATA)>

<!ELEMENT firmware-version-mismatch (routing-engine-software-version |
jfirmware-version)*>

<!ELEMENT floor (#PCDATA)>

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<!ELEMENT fm-fabric-reachability-information (fab-reach-status |
fab-reachability-detect | fab-reachability-action | fab-reach-resolute)*>

<!ELEMENT fm-first-error-detail (#PCDATA)>

<!ELEMENT fm-first-error-ln (fm-first-error-time | fm-first-error-detail)*>

<!ELEMENT fm-first-error-time (#PCDATA)>
<!ATTLIST fm-first-error-time junos:seconds CDATA #IMPLIED>

<!ELEMENT fm-fpc-line (pfe-slot | fm-pfe-line)*>

<!ELEMENT fm-fpc-ln (slot | fm-pfe-ln)*>

<!ELEMENT fm-fpc-state-information (fm-fpc-ln)*>
<!ATTLIST fm-fpc-state-information junos:style CDATA #IMPLIED>

<!ELEMENT fm-fru-errors (fm-fru-first-error-header | fm-fru-last-error-header |
fm-first-error-ln | fm-last-error-ln)*>
<!ATTLIST fm-fru-errors junos:style CDATA #IMPLIED>

<!ELEMENT fm-fru-first-error-header (#PCDATA)>

<!ELEMENT fm-fru-last-error-header (#PCDATA)>

<!ELEMENT fm-last-error-detail (#PCDATA)>

<!ELEMENT fm-last-error-ln (fm-last-error-time | fm-last-error-detail)*>

<!ELEMENT fm-last-error-time (#PCDATA)>
<!ATTLIST fm-last-error-time junos:seconds CDATA #IMPLIED>

<!ELEMENT fm-pfe-line (fpc-pfe-unreach-dests)*>

<!ELEMENT fm-pfe-ln (pfe-slot | fm-sib-ln | fm-plane-ln)*>

<!ELEMENT fm-plane-ln (plane-slot | plane-fm-state)*>

<!ELEMENT fm-plane-location (plane-slot | cb-slot | plane | sib-f13-slot |
sib-f2-slot | sib-l-slot)*>

<!ELEMENT fm-plane-location-information (fm-plane-location)*>

<!ELEMENT fm-plane-state-information (fabric-header | fmp-plane)*>
<!ATTLIST fm-plane-state-information junos:style CDATA #IMPLIED>

<!ELEMENT fm-sib-ln (sib-slot | sib-fm-state)*>

<!ELEMENT fm-sib-state-information (fms-sib-ln)*>
<!ATTLIST fm-sib-state-information junos:style CDATA #IMPLIED>

<!ELEMENT fm-space-tab (#PCDATA)>

<!ELEMENT fm-state-information (fm-state-item)*>

<!ELEMENT fm-state-item (plane-slot | state | up-time)*>

<!ELEMENT fm-topo-dbl-line (#PCDATA)>

<!ELEMENT fm-topo-fail-msg (#PCDATA)>
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<!ELEMENT fm-topo-link (fm-topo-sib | fm-topo-dbl-line | fm-topo-fail-msg |
fm-topo-link-details | fm-topo-link-information | fm-topo-link-information-sgl)*>
<!ATTLIST fm-topo-link junos:style CDATA #IMPLIED>

<!ELEMENT fm-topo-link-des (fm-topo-link-des-in | fm-topo-link-des-out |
hs12-state-des)*>

<!ELEMENT fm-topo-link-des-in (#PCDATA)>

<!ELEMENT fm-topo-link-des-out (#PCDATA)>

<!ELEMENT fm-topo-link-details (fm-topo-link-type | fm-topo-sib-source |
fm-topo-sib-dest | source-pfe-xc-link | dest-pfe-xc-link | vcse1-status |
hs12-channel | hs12-status | fm-topo-link-in-out | fm-topo-link-details-head-lcc
| fm-topo-link-details-lcc | fm-topo-link-details-head-sfc |
fm-topo-link-details-sfc)*>

<!ELEMENT fm-topo-link-details-head-lcc (fm-topo-sib-source | fm-topo-sib-dest)*>

<!ELEMENT fm-topo-link-details-head-sfc (fm-topo-sib-source | fm-topo-sib-dest)*>

<!ELEMENT fm-topo-link-details-lcc (source-pfe-xc-link | dest-pfe-xc-link |
vcse1-status | hs12-channel | hs12-status)*>

<!ELEMENT fm-topo-link-details-sfc (source-pfe-xc-link | dest-pfe-xc-link |
vcse1-status | hs12-channel | hs12-status)*>

<!ELEMENT fm-topo-link-fail (fm-topo-sib | fm-topo-fail-msg)*>

<!ELEMENT fm-topo-link-fail-sgl (fm-topo-sib | fm-topo-fail-msg)*>

<!ELEMENT fm-topo-link-in-out (fm-topo-link-type)*>

<!ELEMENT fm-topo-link-information (fm-topo-sib | fm-topo-dbl-line |
fm-topo-link-fail | fm-topo-link-details)*>

<!ELEMENT fm-topo-link-information-sgl (fm-topo-link-fail-sgl |
fm-topo-link-details)*>

<!ELEMENT fm-topo-link-msg (#PCDATA)>

<!ELEMENT fm-topo-link-src (fm-topo-link-src-in | fm-topo-link-src-out |
hs12-state-src)*>

<!ELEMENT fm-topo-link-src-des (fm-topo-link-msg | fm-topo-link-src |
fm-topo-link-des)*>

<!ELEMENT fm-topo-link-src-in (#PCDATA)>

<!ELEMENT fm-topo-link-src-out (#PCDATA)>

<!ELEMENT fm-topo-link-type (#PCDATA)>

<!ELEMENT fm-topo-sib (#PCDATA)>

<!ELEMENT fm-topo-sib-dest (#PCDATA)>

<!ELEMENT fm-topo-sib-source (#PCDATA)>

<!ELEMENT fm-topology (fm-topo-link-src-des | fm-topo-link)*>

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<!ELEMENT fm-unreachable-dest-information (slot | fm-fpc-line)*>
<!ATTLIST fm-unreachable-dest-information junos:style CDATA #IMPLIED>

<!ELEMENT fmp-plane (slot | state | up-time | comment | sib-name | sib-f13-name
| sib-f2-name | sibs-slot | sibs2-slot | plane-state | even-odd | sib1-slot |
lcc-slot | f13-slot | sib1-link-state | sgasic-number | sgasic-port-number |
sgasic-port-link-state | lcc-sgasic-number | lcc-sgasic-port-number |
lcc-sgasic-port-link-state | f2-link-state | lcc-pfe-slot | lcc-fpc-slot |
lcc-pfe-link-state | lcc-sib-link-state | fru-name | fru-slot | pfe-slot |
pfe-link-status)*>

<!ELEMENT fms-fpc-ln (slot | fms-pfe-ln)*>

<!ELEMENT fms-lcc-link-state (#PCDATA)>

<!ELEMENT fms-lcc-ln (lcc-slot | fms-lcc-link-state)*>

<!ELEMENT fms-pfe-link-state (#PCDATA)>

<!ELEMENT fms-pfe-ln (pfe-slot | fms-pfe-link-state)*>

<!ELEMENT fms-scc-link-state (#PCDATA)>

<!ELEMENT fms-scc-ln (fms-scc-link-state)*>

<!ELEMENT fms-sib-ln (sib-slot | sib-fm-state | fms-fpc-ln | fms-lcc-ln |
fms-scc-ln)*>

<!ELEMENT fpc (slot | logical-slot | state | description | error-code | temperature
| cpu-total | cpu-interrupt | cpu-less-info-str | memory-dram-size |
memory-sram-size | memory-sdram-size | memory-rldram-size | memory-ddr-dram-size
| memory-notification-sdram-size | memory-heap-utilization |
memory-buffer-utilization | asic-information | start-time | up-time | comment |
pic | pic-detail | max-power-consumption | red-led | green-led)*>

<!ELEMENT fpc-fab-state (#PCDATA)>

<!ELEMENT fpc-fabric-retrain-state (#PCDATA)>

<!ELEMENT fpc-fabric-retrain-summary (#PCDATA)>

<!ELEMENT fpc-fabric-upgrade-bw-info-item (fpc-slot-num | fpc-fab-state)*>

<!ELEMENT fpc-fabric-upgrade-bw-retrain-single-item (fpc-fabric-retrain-state)*>

<!ELEMENT fpc-fabric-upgrade-bw-retrain-summary-item (fpc-fabric-retrain-summary)*>

<!ELEMENT fpc-feb-connectivity (fpc-feb-connectivity-item)*>

<!ELEMENT fpc-feb-connectivity-item (fpc-slot | fpc-type | fpc-state | feb-slot
| no-feb-slot | feb-state | fpc-link-status)*>

<!ELEMENT fpc-firmware-version (#PCDATA)>

<!ELEMENT fpc-information (fpc | fpc-slot | fpc-power-limit | fpc-priority |
fpc-power | fpc-status | fpc-firmware-version)*>
<!ATTLIST fpc-information junos:style CDATA #IMPLIED>

<!ELEMENT fpc-link-status (#PCDATA)>

<!ELEMENT fpc-number (#PCDATA)>
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<!ELEMENT fpc-offline-current (#PCDATA)>

<!ELEMENT fpc-offline-end-time (#PCDATA)>
<!ATTLIST fpc-offline-end-time junos:seconds CDATA #IMPLIED>

<!ELEMENT fpc-offline-list (#PCDATA)>

<!ELEMENT fpc-offline-phase-end-time (#PCDATA)>
<!ATTLIST fpc-offline-phase-end-time junos:seconds CDATA #IMPLIED>

<!ELEMENT fpc-offline-phase-start-time (#PCDATA)>
<!ATTLIST fpc-offline-phase-start-time junos:seconds CDATA #IMPLIED>

<!ELEMENT fpc-offline-phase-status (#PCDATA)>

<!ELEMENT fpc-offline-start-time (#PCDATA)>
<!ATTLIST fpc-offline-start-time junos:seconds CDATA #IMPLIED>

<!ELEMENT fpc-offline-time (#PCDATA)>
<!ATTLIST fpc-offline-time junos:seconds CDATA #IMPLIED>

<!ELEMENT fpc-offline-timeout-list (#PCDATA)>

<!ELEMENT fpc-online-current (#PCDATA)>

<!ELEMENT fpc-online-end-time (#PCDATA)>
<!ATTLIST fpc-online-end-time junos:seconds CDATA #IMPLIED>

<!ELEMENT fpc-online-list (#PCDATA)>

<!ELEMENT fpc-online-start-time (#PCDATA)>
<!ATTLIST fpc-online-start-time junos:seconds CDATA #IMPLIED>

<!ELEMENT fpc-online-time (#PCDATA)>
<!ATTLIST fpc-online-time junos:seconds CDATA #IMPLIED>

<!ELEMENT fpc-online-timeout-list (#PCDATA)>

<!ELEMENT fpc-panel (fpc)*>

<!ELEMENT fpc-pfe-unreach-dests (#PCDATA)>

<!ELEMENT fpc-power (#PCDATA)>

<!ELEMENT fpc-power-limit (#PCDATA)>

<!ELEMENT fpc-priority (#PCDATA)>

<!ELEMENT fpc-restart-list (#PCDATA)>

<!ELEMENT fpc-restart-time (#PCDATA)>
<!ATTLIST fpc-restart-time junos:seconds CDATA #IMPLIED>

<!ELEMENT fpc-slot (#PCDATA)>

<!ELEMENT fpc-slot-num (#PCDATA)>

<!ELEMENT fpc-state (#PCDATA)>

<!ELEMENT fpc-status (#PCDATA)>
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<!ELEMENT fpc-type (#PCDATA)>

<!ELEMENT fpga-registers (fpga-registers-name | fpga-registers-value)*>

<!ELEMENT fpga-registers-name (#PCDATA)>

<!ELEMENT fpga-registers-value (#PCDATA)>

<!ELEMENT fpga-revision (#PCDATA)>

<!ELEMENT fpga-revision-detail (fpga-revision-name | fpga-revision-value)*>

<!ELEMENT fpga-revision-name (#PCDATA)>

<!ELEMENT fpga-revision-value (#PCDATA)>

<!ELEMENT frequency (#PCDATA)>

<!ELEMENT front-panel (display-panel | re-panel | alarm-indicators | fpc-panel)*>

<!ELEMENT front-panel-lcd (front-panel-title | display-panel-lcd | system-led |
interface-led)*>

<!ELEMENT front-panel-title (name)*>

<!ELEMENT fru (slot | state | up-time | comment)*>

<!ELEMENT fru-comment (#PCDATA)>

<!ELEMENT fru-fan-status (#PCDATA)>

<!ELEMENT fru-information (fru)*>
<!ATTLIST fru-information junos:style CDATA #IMPLIED>

<!ELEMENT fru-name (#PCDATA)>

<!ELEMENT fru-power-on-sequence (sequence)*>

<!ELEMENT fru-reason (#PCDATA)>

<!ELEMENT fru-slot (#PCDATA)>

<!ELEMENT fru-status (#PCDATA)>

<!ELEMENT fru-temp-status (#PCDATA)>

<!ELEMENT fru-temperature (#PCDATA)>
<!ATTLIST fru-temperature junos:celsius CDATA #IMPLIED>

<!ELEMENT global-fpc-number (#PCDATA)>

<!ELEMENT green-led EMPTY>

<!ELEMENT ha-led (red-led | yellow-led | amber-led)*>

<!ELEMENT hardware-incomplete EMPTY>

<!ELEMENT hcoord (#PCDATA)>

<!ELEMENT hs12-channel (#PCDATA)>
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<!ELEMENT hs12-state-des (#PCDATA)>

<!ELEMENT hs12-state-src (#PCDATA)>

<!ELEMENT hs12-status (#PCDATA)>

<!ELEMENT hw-status (#PCDATA)>

<!ELEMENT i2c-data (#PCDATA)>

<!ELEMENT i2c-identifier (#PCDATA)>

<!ELEMENT i2c-information (jedec-code | eeprom-version | part-number |
serial-number | model-number | clei-code | assembly-identifier | assembly-version
| manufacture-date | assembly-flags | i2c-version | i2c-identifier | i2c-data |
board-information-record)*>

<!ELEMENT i2c-version (#PCDATA)>

<!ELEMENT in-service-upgrade-fru-status (fru-name | fru-status | fru-reason |
in-service-upgrade-pic-status)*>

<!ELEMENT in-service-upgrade-pic-status (fru-name | fru-status | fru-reason)*>

<!ELEMENT in-service-upgrade-status (in-service-upgrade-fru-status)*>

<!ELEMENT init-phase (#PCDATA)>

<!ELEMENT input-voltage (voltage-name | voltage-value)*>

<!ELEMENT intake-temperature (#PCDATA)>

<!ELEMENT interface-asterisk (#PCDATA)>

<!ELEMENT interface-class (#PCDATA)>

<!ELEMENT interface-class-detail (#PCDATA)>

<!ELEMENT interface-detail-asterisk (#PCDATA)>

<!ELEMENT interface-display-title (#PCDATA)>

<!ELEMENT interface-enabled (#PCDATA)>

<!ELEMENT interface-enabled-detail (#PCDATA)>

<!ELEMENT interface-information (interface-name | interface-enabled |
interface-status | interface-power-limit | interface-priority | interface-power
| interface-asterisk | interface-class)*>

<!ELEMENT interface-information-detail (interface-name-detail |
interface-enabled-detail | interface-status-detail | interface-power-limit-detail
| interface-priority-detail | interface-power-detail | interface-detail-asterisk
| interface-class-detail | interface-mode-detail)*>

<!ELEMENT interface-led (interface-display-title | interface-led-display)*>

<!ELEMENT interface-led-display (interface-name | led-status | activity-led)*>

<!ELEMENT interface-mode-detail (#PCDATA)>

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<!ELEMENT interface-name (#PCDATA)>

<!ELEMENT interface-name-detail (#PCDATA)>

<!ELEMENT interface-power (#PCDATA)>

<!ELEMENT interface-power-detail (#PCDATA)>

<!ELEMENT interface-power-limit (#PCDATA)>

<!ELEMENT interface-power-limit-detail (#PCDATA)>

<!ELEMENT interface-priority (#PCDATA)>

<!ELEMENT interface-priority-detail (#PCDATA)>

<!ELEMENT interface-status (#PCDATA)>

<!ELEMENT interface-status-detail (#PCDATA)>

<!ELEMENT ioc-npc-connectivity (ioc-npc-connectivity-item)*>

<!ELEMENT ioc-npc-connectivity-item (ioc-slot | ioc-type | ioc-state | npc-slot
| no-npc-slot | npc-state | fpc-link-status)*>

<!ELEMENT ioc-slot (#PCDATA)>

<!ELEMENT ioc-state (#PCDATA)>

<!ELEMENT ioc-type (#PCDATA)>

<!ELEMENT jedec-code (#PCDATA)>

<!ELEMENT jfirmware-version (#PCDATA)>

<!ELEMENT last-deviation (#PCDATA)>

<!ELEMENT last-reboot-reason (#PCDATA)>

<!ELEMENT lata (#PCDATA)>

<!ELEMENT latitude (#PCDATA)>

<!ELEMENT lcc (slot | state | up-time | comment)*>

<!ELEMENT lcc-fpc-slot (#PCDATA)>

<!ELEMENT lcc-information (lcc)*>
<!--ATTLIST lcc-information junos:style CDATA #IMPLIED-->

<!ELEMENT lcc-number (#PCDATA)>

<!ELEMENT lcc-pfe-link-state (#PCDATA)>

<!ELEMENT lcc-pfe-slot (#PCDATA)>

<!ELEMENT lcc-sgasic-number (#PCDATA)>

<!ELEMENT lcc-sgasic-port-link-state (#PCDATA)>
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<!ELEMENT lcc-sgasic-port-number (#PCDATA)>
<!ELEMENT lcc-sib-link-state (#PCDATA)>
<!ELEMENT lcc-slot (#PCDATA)>
<!ELEMENT led-status (#PCDATA)>
<!ELEMENT line-card-actual-power EMPTY>
<!ELEMENT line-card-poe-power (#PCDATA)>
<!ELEMENT line-card-power (#PCDATA)>
<!ELEMENT line-card-priority (#PCDATA)>
<!ELEMENT line-card-slot (#PCDATA)>
<!ELEMENT line-card-type (#PCDATA)>
<!ELEMENT line-termination (#PCDATA)>
<!ELEMENT load (#PCDATA)>
<!ELEMENT load-average-fifteen (#PCDATA)>
<!ELEMENT load-average-five (#PCDATA)>
<!ELEMENT load-average-one (#PCDATA)>
<!ELEMENT local-fpc-number (#PCDATA)>
<!ELEMENT logical-slot (#PCDATA)>
<!ELEMENT longitude (#PCDATA)>
<!ELEMENT major-alarm-relay EMPTY>
<!ELEMENT management-status (#PCDATA)>
<!ELEMENT manufacture-date (#PCDATA)>
<!ELEMENT marked-as-failed-source (source-name)*>
<!ELEMENT marked-as-failed-source-list (marked-as-failed-source)*>
<!ELEMENT master-led EMPTY>
<!ELEMENT mastership-priority (#PCDATA)>
<!ELEMENT mastership-state (#PCDATA)>
<!ELEMENT max-chip-id (#PCDATA)>
<!ELEMENT max-power-consumption (#PCDATA)>
<!ELEMENT max-power-exceeded-controller EMPTY>
<!ELEMENT max-power-exceeded-interface EMPTY>
<!ELEMENT mcs (slot | amber-led | green-led | blue-led)*>
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<!ELEMENT mcs-panel (mcs)*>

<!ELEMENT memory-buffer-utilization (#PCDATA)>

<!ELEMENT memory-control-plane (#PCDATA)>

<!ELEMENT memory-control-plane-used (#PCDATA)>

<!ELEMENT memory-control-plane-util (#PCDATA)>

<!ELEMENT memory-data-plane (#PCDATA)>

<!ELEMENT memory-data-plane-used (#PCDATA)>

<!ELEMENT memory-data-plane-util (#PCDATA)>

<!ELEMENT memory-ddr-dram-size (#PCDATA)>

<!ELEMENT memory-dram-size (#PCDATA)>

<!ELEMENT memory-heap-utilization (#PCDATA)>

<!ELEMENT memory-notification-sdram-size (#PCDATA)>

<!ELEMENT memory-r1dram-size (#PCDATA)>

<!ELEMENT memory-sdram-size (#PCDATA)>

<!ELEMENT memory-sram-size (#PCDATA)>

<!ELEMENT memory-system-total (#PCDATA)>

<!ELEMENT memory-system-total-used (#PCDATA)>

<!ELEMENT memory-system-total-util (#PCDATA)>

<!ELEMENT mfr-id (#PCDATA)>

<!ELEMENT min-chip-id (#PCDATA)>

<!ELEMENT minor-alarm-relay EMPTY>

<!ELEMENT model (#PCDATA)>

<!ELEMENT model-number (#PCDATA)>

<!ELEMENT multi-routing-engine-item (re-name | chassis-location-information |
chassisd-database-memory-usage | chassis-inventory | environment-information |
fpc-information | fm-topology | spmb-information | sib-information |
fm-fpc-state-information | fm-sib-state-information | scb-information |
route-engine-information | firmware-information | system-firmware-information |
system-firmware-compatibility-information | power-budget-information)*>

<!ELEMENT multi-routing-engine-results (multi-routing-engine-item)*>

<!ELEMENT name (#PCDATA)>

<!ELEMENT network-services (network-services-information)*>

<!ELEMENT network-services-information (name)*>
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<!ELEMENT no-feb-slot EMPTY>

<!ELEMENT no-npc-slot EMPTY>

<!ELEMENT notification-information (fpc-number | notification-status)*>

<!ELEMENT notification-status (#PCDATA)>

<!ELEMENT npa-nxx (#PCDATA)>

<!ELEMENT npc-slot (#PCDATA)>

<!ELEMENT npc-state (#PCDATA)>

<!ELEMENT ok-led EMPTY>

<!ELEMENT output (#PCDATA)>

<!ELEMENT output-current (#PCDATA)>

<!ELEMENT output-detail (output-voltage | output-current)*>

<!ELEMENT output-voltage (#PCDATA)>

<!ELEMENT part-number (#PCDATA)>

<!ELEMENT pcb-rev (#PCDATA)>

<!ELEMENT pcg (slot | amber-led | green-led | blue-led)*>

<!ELEMENT pcg-frequency (pcg-frequency-setting | pcg-frequency-measurement)*>

<!ELEMENT pcg-frequency-measurement (#PCDATA)>

<!ELEMENT pcg-frequency-setting (#PCDATA)>

<!ELEMENT pcg-panel (pcg)*>

<!ELEMENT pem-capacity-detail (capacity-actual | capacity-max)*>

<!ELEMENT pfe-link-status (#PCDATA)>

<!ELEMENT pfe-slot (#PCDATA)>

<!ELEMENT physical-slot (#PCDATA)>

<!ELEMENT pic (pic-slot | pic-type | pic-state | comment)*>

<!ELEMENT pic-channelization-mode (#PCDATA)>

<!ELEMENT pic-clock-sync (#PCDATA)>

<!ELEMENT pic-detail (slot | pic-slot | pic-type | asic-type | comment |
pic-version | state | cpu-total | cpu-interrupt | memory-buffer-utilization |
memory-heap-utilization | memory-dram-size | cpu-sw-version | cpu-rom-version |
up-time | pic-package | pic-clock-sync | pic-multirate-mode |
pic-channelization-mode | configured-mode | port-information)*>

<!ELEMENT pic-multirate-mode (#PCDATA)>

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<!ELEMENT pic-package (#PCDATA)>

<!ELEMENT pic-slot (#PCDATA)>

<!ELEMENT pic-state (#PCDATA)>

<!ELEMENT pic-type (#PCDATA)>

<!ELEMENT pic-version (#PCDATA)>

<!ELEMENT plane (#PCDATA)>

<!ELEMENT plane-fm-state (#PCDATA)>

<!ELEMENT plane-fpc-restart-phase-end-time (#PCDATA)>
<ATTLIST plane-fpc-restart-phase-end-time junos:seconds CDATA #IMPLIED>

<!ELEMENT plane-fpc-restart-phase-status (#PCDATA)>

<!ELEMENT plane-fpc-restart-start-time (#PCDATA)>
<ATTLIST plane-fpc-restart-start-time junos:seconds CDATA #IMPLIED>

<!ELEMENT plane-restart-end-time (#PCDATA)>
<ATTLIST plane-restart-end-time junos:seconds CDATA #IMPLIED>

<!ELEMENT plane-restart-list (#PCDATA)>

<!ELEMENT plane-restart-phase-status (#PCDATA)>

<!ELEMENT plane-restart-planes-offline (#PCDATA)>

<!ELEMENT plane-restart-planes-offline-time (#PCDATA)>
<ATTLIST plane-restart-planes-offline-time junos:seconds CDATA #IMPLIED>

<!ELEMENT plane-restart-planes-online (#PCDATA)>

<!ELEMENT plane-restart-planes-online-time (#PCDATA)>
<ATTLIST plane-restart-planes-online-time junos:seconds CDATA #IMPLIED>

<!ELEMENT plane-restart-start-time (#PCDATA)>
<ATTLIST plane-restart-start-time junos:seconds CDATA #IMPLIED>

<!ELEMENT plane-slot (#PCDATA)>

<!ELEMENT plane-state (#PCDATA)>

<!ELEMENT plane-timeout-list (#PCDATA)>

<!ELEMENT pmbus-actual-current (#PCDATA)>

<!ELEMENT pmbus-actual-voltage (#PCDATA)>

<!ELEMENT pmbus-calculated-power (#PCDATA)>

<!ELEMENT pmbus-device-name (#PCDATA)>

<!ELEMENT pmbus-expected-voltage (#PCDATA)>

<!ELEMENT pmbus-table (pmbus-table-entry)*>

<!ELEMENT pmbus-table-entry (pmbus-device-name | pmbus-expected-voltage |
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pmbus-actual-voltage | pmbus-actual-current | pmbus-calculated-power)*>

<!ELEMENT poe (interface-information | interface-information-detail |
notification-information | controller-information | poe-error |
telemetries-information | fpc-information)*>

<!ELEMENT poe-error (max-power-exceeded-interface | max-power-exceeded-controller
| poe-software-upgrade-controller | poe-software-upgrade-reboot)*>

<!ELEMENT poe-software-upgrade-controller EMPTY>

<!ELEMENT poe-software-upgrade-reboot EMPTY>

<!ELEMENT port (port-number | cable-type | fiber-mode | sfp-vendor-name |
sfp-vendor-pno | wavelength)*>

<!ELEMENT port-information (port)*>

<!ELEMENT port-number (#PCDATA)>

<!ELEMENT postal-code (#PCDATA)>

<!ELEMENT power-available-redundant-case (#PCDATA)>

<!ELEMENT power-budget-information (psu-slot | psu-type | power-supplied-psu |
power-supply-state | total-power-supplied | base-power | psu-redundancy-config |
line-card-slot | line-card-type | line-card-power | line-card-actual-power |
line-card-priority | fan-tray-slot | fan-tray-type | fan-tray-base-power |
fan-tray-actual-power | actual-power-used | power-available-redundant-case |
total-power-available | total-poe-power-allocated | line-card-poe-power)*>
<ATTLIST power-budget-information junos:style CDATA #IMPLIED>

<!ELEMENT power-information (power-title | voltage-title | voltage)*>

<!ELEMENT power-management (power-mgmt-device | power-mgmt-low-power |
power-mgmt-high-power | power-mgmt-heat | power-mgmt-state)*>

<!ELEMENT power-management-information (power-management)*>

<!ELEMENT power-mgmt-device (#PCDATA)>

<!ELEMENT power-mgmt-heat (#PCDATA)>

<!ELEMENT power-mgmt-high-power (#PCDATA)>

<!ELEMENT power-mgmt-low-power (#PCDATA)>

<!ELEMENT power-mgmt-state (#PCDATA)>

<!ELEMENT power-state (#PCDATA)>

<!ELEMENT power-supplied-psu (#PCDATA)>

<!ELEMENT power-supply (slot | amber-led | green-led | blue-led)*>

<!ELEMENT power-supply-panel (power-supply)*>

<!ELEMENT power-supply-state (#PCDATA)>

<!ELEMENT power-title (power-type | power-state)*>

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<!--ELEMENT power-type (#PCDATA)-->

<!--ELEMENT power-usage-information (capacity-actual | capacity-max |
capacity-allocated | capacity-remaining | capacity-actual-usage | capacity-load
| zone | power-usage-item | power-usage-system)*-->

<!--ELEMENT power-usage-item (name | status | state | ac-input-detail |
dc-input-detail | dc-output-detail | pem-capacity-detail)*-->

<!--ELEMENT power-usage-system (power-usage-zone-information | capacity-sys-actual
| capacity-sys-max | capacity-sys-remaining)*-->

<!--ELEMENT power-usage-zone-information (zone | capacity-actual | capacity-max |
capacity-remaining | capacity-allocated | capacity-actual-usage)*-->

<!--ELEMENT product (#PCDATA)-->

<!--ELEMENT product-number (#PCDATA)-->

<!--ELEMENT psd (slot | description | state | up-time | comment)*-->

<!--ELEMENT psd-information (psd)*-->
<!--ATTLIST psd-information junos:style CDATA #IMPLIED-->

<!--ELEMENT psu-redundancy-config (#PCDATA)-->

<!--ELEMENT psu-slot (#PCDATA)-->

<!--ELEMENT psu-type (#PCDATA)-->

<!--ELEMENT rack (#PCDATA)-->

<!--ELEMENT re (slot | ok-led | fail-led | master-led)*-->

<!--ELEMENT re-name (#PCDATA)-->

<!--ELEMENT re-panel (re)*-->

<!--ELEMENT read-register (cb-slot | fchip-id | address | data)*-->

<!--ELEMENT reason (#PCDATA)-->

<!--ELEMENT recb-panel (ha-led | sfb-led | cfm-ok-fail-led | cfm-service-led |
sysio-status-led)*-->

<!--ELEMENT red-alarm (#PCDATA)-->
<!--ATTLIST red-alarm junos:celsius CDATA #IMPLIED-->

<!--ELEMENT red-led EMPTY-->

<!--ELEMENT redundancy-priority (#PCDATA)-->

<!--ELEMENT redundancy-state (#PCDATA)-->

<!--ELEMENT redundancy-state-description (#PCDATA)-->

<!--ELEMENT reference-voltage (#PCDATA)-->

<!--ELEMENT reset-count (#PCDATA)-->

<!--ELEMENT revision (revision-name | revision-number)*-->
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<!ELEMENT revision-name (#PCDATA)>

<!ELEMENT revision-number (#PCDATA)>

<!ELEMENT route-engine (description | slot | physical-slot | mastership-state |
mastership-priority | status | model | temperature | cpu-temperature |
memory-dram-size | memory-buffer-utilization | memory-system-total |
memory-system-total-used | memory-system-total-util | memory-control-plane |
memory-control-plane-used | memory-control-plane-util | memory-data-plane |
memory-data-plane-used | memory-data-plane-util | control-plane-cpu-count |
data-plane-cpu-count | cpu-user | cpu-real-time | cpu-background | cpu-system |
cpu-interrupt | cpu-idle | serial-number | start-time | up-time |
last-reboot-reason | load-average-one | load-average-five | load-average-fifteen
| bios-version | bios-date | bios-id)*>

<!ELEMENT route-engine-information (route-engine)*>

<!ELEMENT routing-engine-software-version (#PCDATA)>

<!ELEMENT rpm (#PCDATA)>

<!ELEMENT scb (slot | state | failover-count | reset-count | activate-count |
temperature | intake-temperature | exhaust-temperature | exhaust-a-temperature |
exhaust-b-temperature | spp-temperature | spr-temperature | cpu-total |
cpu-total-ukern | cpu-total-rt | cpu-interrupt | memory-dram-size |
memory-sram-size | memory-rldram-size | memory-ddr-dram-size |
memory-heap-utilization | memory-buffer-utilization | asic-name | asic-information
| start-time | up-time | comment | max-power-consumption)*>

<!ELEMENT scb-information (scb-type | scb)*>
<!ATTLIST scb-information junos:style CDATA #IMPLIED>

<!ELEMENT scb-type (#PCDATA)>

<!ELEMENT scg (slot | amber-led | green-led | blue-led)*>

<!ELEMENT scg-panel (scg)*>

<!ELEMENT sequence (#PCDATA)>

<!ELEMENT serial-number (#PCDATA)>

<!ELEMENT sfb-led (red-led | yellow-led | amber-led | blink-led)*>

<!ELEMENT sfm (slot | amber-led | green-led | blue-led)*>

<!ELEMENT sfm-panel (sfm)*>

<!ELEMENT sfp-vendor-name (#PCDATA)>

<!ELEMENT sfp-vendor-pno (#PCDATA)>

<!ELEMENT sgasic-number (#PCDATA)>

<!ELEMENT sgasic-port-link-state (#PCDATA)>

<!ELEMENT sgasic-port-number (#PCDATA)>

<!ELEMENT sib (slot | slot-type | state | sib-type | destination-error | up-time
| comment | ok-led | fail-led | active-led)*>

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<!ELEMENT sib-f13-name (#PCDATA)>

<!ELEMENT sib-f13-slot (#PCDATA)>

<!ELEMENT sib-f2-name (#PCDATA)>

<!ELEMENT sib-f2-slot (#PCDATA)>

<!ELEMENT sib-fm-state (#PCDATA)>

<!ELEMENT sib-information (sib | use-cli-info)*>
<ATTLIST sib-information junos:style CDATA #IMPLIED>

<!ELEMENT sib-l-slot (#PCDATA)>

<!ELEMENT sib-name (#PCDATA)>

<!ELEMENT sib-panel (sib)*>

<!ELEMENT sib-slot (#PCDATA)>

<!ELEMENT sib-type (#PCDATA)>

<!ELEMENT sib1-link-state (#PCDATA)>

<!ELEMENT sib1-slot (#PCDATA)>

<!ELEMENT sibs-slot (#PCDATA)>

<!ELEMENT sibs2-slot (#PCDATA)>

<!ELEMENT signal-type (#PCDATA)>

<!ELEMENT slave-registers (slave-registers-name | slave-registers-value)*>

<!ELEMENT slave-registers-information (slave-registers-title | slave-registers)*>

<!ELEMENT slave-registers-name (#PCDATA)>

<!ELEMENT slave-registers-title (#PCDATA)>

<!ELEMENT slave-registers-value (#PCDATA)>

<!ELEMENT slave-revision (#PCDATA)>

<!ELEMENT slot (#PCDATA)>

<!ELEMENT slot-type (#PCDATA)>

<!ELEMENT source-name (#PCDATA)>

<!ELEMENT source-pfe-xc-link (#PCDATA)>

<!ELEMENT source-priority (#PCDATA)>

<!ELEMENT spmb (slot | state | cpu-total | cpu-interrupt | memory-heap-utilization
| memory-buffer-utilization | start-time | up-time)*>

<!ELEMENT spmb-information (spmb)*>
<ATTLIST spmb-information junos:style CDATA #IMPLIED>
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<!ELEMENT spp-temperature (#PCDATA)>
<!ELEMENT spr-temperature (#PCDATA)>
<!ELEMENT spray-cumulative-weight (#PCDATA)>
<!ELEMENT spray-destination-mask (#PCDATA)>
<!ELEMENT spray-max-links-to-destination (#PCDATA)>
<!ELEMENT spray-weight0 (#PCDATA)>
<!ELEMENT spray-weight1 (#PCDATA)>
<!ELEMENT spray-weight2 (#PCDATA)>
<!ELEMENT spray-weight3 (#PCDATA)>
<!ELEMENT spray-weight4 (#PCDATA)>
<!ELEMENT spray-weight5 (#PCDATA)>
<!ELEMENT spray-weight6 (#PCDATA)>
<!ELEMENT spray-weight7 (#PCDATA)>
<!ELEMENT src-chip (#PCDATA)>
<!ELEMENT src-link (#PCDATA)>
<!ELEMENT src-port (#PCDATA)>
<!ELEMENT start-time (#PCDATA)>
<!ATTLIST start-time junos:seconds CDATA #IMPLIED>
<!ELEMENT state (#PCDATA)>
<!ELEMENT status (#PCDATA)>
<!ELEMENT switching-mode (#PCDATA)>
<!ELEMENT synchronization-source-list (current-source | configured-source-list)*>
<!ELEMENT sysio-status-led (red-led | yellow-led | amber-led | blink-led)*>
<!ELEMENT system-firmware (firmware-name | firmware-type | firmware-tag |
firmware-revision | firmware-revision-available | firmware-status |
system-sub-module-firmware-list)*>
<!ELEMENT system-firmware-compatibility (firmware-name | firmware-type |
firmware-tag | firmware-revision | firmware-revision-available | firmware-status
| firmware-action | system-sub-module-firmware-compatibility-list)*>
<!ELEMENT system-firmware-compatibility-information (firmware-version-mismatch |
system-firmware-compatibility)*>
<!ELEMENT system-firmware-information (system-firmware)*>
<!ELEMENT system-led (system-led-display)*>
```

```
<!ELEMENT system-led-display (name | led-status)*>

<!ELEMENT system-sub-module-firmware (firmware-name | firmware-type | firmware-tag
| firmware-revision | firmware-revision-available | firmware-status)*>

<!ELEMENT system-sub-module-firmware-compatibility (firmware-name | firmware-type
| firmware-tag | firmware-revision | firmware-revision-available | firmware-status
| firmware-action)*>

<!ELEMENT system-sub-module-firmware-compatibility-list
(system-sub-module-firmware-compatibility)*>

<!ELEMENT system-sub-module-firmware-list (system-sub-module-firmware)*>

<!ELEMENT telemetries-index (#PCDATA)>

<!ELEMENT telemetries-information (telemetries-index | telemetries-timestamp |
telemetries-power | telemetries-voltage)*>

<!ELEMENT telemetries-power (#PCDATA)>

<!ELEMENT telemetries-timestamp (#PCDATA)>

<!ELEMENT telemetries-voltage (#PCDATA)>

<!ELEMENT temperature (#PCDATA)>
<!ATTLIST temperature junos:celsius CDATA #IMPLIED>
<!ATTLIST temperature junos:celsius CDATA #IMPLIED>
<!ATTLIST temperature junos:celsius CDATA #IMPLIED>

<!ELEMENT temperature-name (#PCDATA)>

<!ELEMENT temperature-reading (temperature-name | temperature)*>

<!ELEMENT temperature-threshold (name | fan-normal-speed | fan-high-speed |
yellow-alarm | bad-fan-yellow-alarm | red-alarm | bad-fan-red-alarm |
temperature-threshold-information-item)*>

<!ELEMENT temperature-threshold-information (temperature-threshold)*>

<!ELEMENT temperature-threshold-information-item (#PCDATA)>

<!ELEMENT total-poe-power-allocated (#PCDATA)>

<!ELEMENT total-power-available (#PCDATA)>

<!ELEMENT total-power-supplied (#PCDATA)>

<!ELEMENT transmit (#PCDATA)>

<!ELEMENT type (#PCDATA)>

<!ELEMENT unreachable-dests (#PCDATA)>

<!ELEMENT unreachable-reason (#PCDATA)>

<!ELEMENT up-time (#PCDATA)>
<!ATTLIST up-time junos:seconds CDATA #IMPLIED>

<!ELEMENT use-cli-info (#PCDATA)>
```

```
<!ELEMENT validation-interval (#PCDATA)>

<!ELEMENT vcoord (#PCDATA)>

<!ELEMENT vcse1-status (#PCDATA)>

<!ELEMENT vendor (#PCDATA)>

<!ELEMENT version (#PCDATA)>

<!ELEMENT voltage (reference-voltage | actual-voltage)*>

<!ELEMENT voltage-name (#PCDATA)>

<!ELEMENT voltage-title (#PCDATA)>

<!ELEMENT voltage-value (#PCDATA)>

<!ELEMENT vpfe-id (#PCDATA)>

<!ELEMENT wavelength (#PCDATA)>

<!ELEMENT write-register (cb-slot | fchip-id | address | data)*>

<!ELEMENT xf-address (#PCDATA)>

<!ELEMENT xf-data (#PCDATA)>

<!ELEMENT xf-mode (#PCDATA)>

<!ELEMENT xf-read-register (xfchip-id | xf-address | xf-data)*>

<!ELEMENT xf-show-summary (xfchip-id | xf-mode)*>

<!ELEMENT xf-write-register (xfchip-id | xf-address | xf-data)*>

<!ELEMENT xfchip-id (#PCDATA)>

<!ELEMENT yellow-alarm (#PCDATA)>
<!--ATTLIST yellow-alarm junos:celsius CDATA #IMPLIED-->

<!ELEMENT yellow-led EMPTY>

<!ELEMENT zone (#PCDATA)>

<!ELEMENT zone-status (#PCDATA)>
```



## CHAPTER 28

# DTD for Clock Synchronization Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-clksyncd.dtd`, which lists the Junos XML tags that contain information about clock synchronization. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-clksyncd.dtd -->

<!ELEMENT acbc-primary-slot (#PCDATA)>

<!ELEMENT acbc-secondary-slot (#PCDATA)>

<!ELEMENT ack-reply-bitmap (#PCDATA)>

<!ELEMENT agentsmith-dpc-bitmap (#PCDATA)>

<!ELEMENT change-hold-interval (#PCDATA)>

<!ELEMENT clock-failure-reason (#PCDATA)>

<!ELEMENT clock-flags (#PCDATA)>

<!ELEMENT clock-ineligible-reason (#PCDATA)>

<!ELEMENT clock-lock-information (#PCDATA)>

<!ELEMENT clock-mode (#PCDATA)>

<!ELEMENT clock-state (#PCDATA)>

<!ELEMENT clock-status (#PCDATA)>

<!ELEMENT clock-synchronization (clock-status | clock-lock-information |
clock-ineligible-reason | clock-synchronization-source)*>

<!ELEMENT clock-synchronization-clear-output (#PCDATA)>

<!ELEMENT clock-synchronization-cpld-information (cpld-primary-mic |
cpld-secondary-mic)*>

<!ELEMENT clock-synchronization-esmc-transmit (esmc-transmit-interface-name |
```

```
esmc-transmit-interface-status)*>
<!ATTLIST clock-synchronization-esmc-transmit junos:style CDATA #IMPLIED>

<!ELEMENT clock-synchronization-esmc-transmit-information
(clock-synchronization-esmc-transmit)*>

<!ELEMENT clock-synchronization-fpga-information (acbc-primary-slot |
acbc-secondary-slot)*>

<!ELEMENT clock-synchronization-gencfg (primary-index | secondary-index |
primary-type | secondary-type | primary-quality-level | secondary-quality-level
| primary-state | secondary-state | clock-flags)*>

<!ELEMENT clock-synchronization-global-information (network-option | clock-mode
| quality-mode | selection-mode | switchover-mode | change-hold-interval |
switchover-hold-interval | reboot-hold-interval | master-status |
agentsmith-dpc-bitmap | zarlink-support-dpc-bitmap |
fpga-support-synchronous-ethernet)*>
<!ATTLIST clock-synchronization-global-information junos:style CDATA #IMPLIED>

<!ELEMENT clock-synchronization-interface-name (#PCDATA)>

<!ELEMENT clock-synchronization-interface-statistics
(clock-synchronization-interface-name | interface-receive-esmc-count |
interface-transmit-esmc-count | interface-receive-esmc-drop-count |
interface-esmc-ineligible-drop-count | interface-adjacency-create-count)*>

<!ELEMENT clock-synchronization-ref-monitor (zarlink-fail-bitmap | ack-reply-bitmap
| reference-must-mask | current-event-context | current-sequence-number |
current-reference-index | next-function)*>

<!ELEMENT clock-synchronization-source (source-priority | source-quality-level |
esmc-quality-level | source-interface-name | source-interface-status |
source-interface-index | clock-state | interface-configuration-flags |
interface-flags | source-clock-type | source-clock-event |
interface-ineligible-reason | clock-failure-reason |
interface-hold-interval-expiry)*>
<!ATTLIST clock-synchronization-source junos:style CDATA #IMPLIED>

<!ELEMENT clock-synchronization-statistics
(clock-synchronization-interface-statistics)*>
<!ATTLIST clock-synchronization-statistics junos:style CDATA #IMPLIED>

<!ELEMENT clock-synchronization-zarlink (#PCDATA)>

<!ELEMENT cp1d-primary-mic (#PCDATA)>

<!ELEMENT cp1d-secondary-mic (#PCDATA)>

<!ELEMENT current-event-context (#PCDATA)>

<!ELEMENT current-reference-index (#PCDATA)>

<!ELEMENT current-sequence-number (#PCDATA)>

<!ELEMENT esmc-quality-level (#PCDATA)>

<!ELEMENT esmc-transmit-interface-name (#PCDATA)>

<!ELEMENT esmc-transmit-interface-status (#PCDATA)>
```



```
<!ELEMENT fpga-support-synchronous-ethernet (#PCDATA)>
<!ELEMENT interface-adjacency-create-count (#PCDATA)>
<!ELEMENT interface-configuration-flags (#PCDATA)>
<!ELEMENT interface-esmc-ineligible-drop-count (#PCDATA)>
<!ELEMENT interface-flags (#PCDATA)>
<!ELEMENT interface-hold-interval-expiry (#PCDATA)>
<!ELEMENT interface-ineligible-reason (#PCDATA)>
<!ELEMENT interface-receive-esmc-count (#PCDATA)>
<!ELEMENT interface-receive-esmc-drop-count (#PCDATA)>
<!ELEMENT interface-transmit-esmc-count (#PCDATA)>
<!ELEMENT master (#PCDATA)>
<!ELEMENT master-status (#PCDATA)>
<!ELEMENT network-option (#PCDATA)>
<!ELEMENT next-function (#PCDATA)>
<!ELEMENT primary-index (#PCDATA)>
<!ELEMENT primary-quality-level (#PCDATA)>
<!ELEMENT primary-state (#PCDATA)>
<!ELEMENT primary-type (#PCDATA)>
<!ELEMENT ptp-acceptable-masters (ptp-acceptable-table-local-ip |
ptp-acceptable-table-status | ptp-acceptable-table-maximum-size |
ptp-acceptable-table-current-size | ptp-acceptable-table-entry-address |
ptp-acceptable-table-entry-info)*>
<!ATTLIST ptp-acceptable-masters junos:style CDATA #IMPLIED>
<!ELEMENT ptp-acceptable-table-current-size (#PCDATA)>
<!ELEMENT ptp-acceptable-table-entry-address (#PCDATA)>
<!ELEMENT ptp-acceptable-table-entry-info (#PCDATA)>
<!ELEMENT ptp-acceptable-table-local-ip (#PCDATA)>
<!ELEMENT ptp-acceptable-table-maximum-size (#PCDATA)>
<!ELEMENT ptp-acceptable-table-status (#PCDATA)>
<!ELEMENT ptp-announce-interval (#PCDATA)>
<!ELEMENT ptp-announce-timeout (#PCDATA)>
<!ELEMENT ptp-bmc-announce-steps-removed (#PCDATA)>
<!ELEMENT ptp-bmc-announce-time-source (#PCDATA)>
```

```
<!ELEMENT ptp-bmc-announce-utc-offset (#PCDATA)>

<!ELEMENT ptp-bmc-clock-identity (#PCDATA)>

<!ELEMENT ptp-bmc-grandmaster-clock-accuracy (#PCDATA)>

<!ELEMENT ptp-bmc-grandmaster-clock-class (#PCDATA)>

<!ELEMENT ptp-bmc-grandmaster-clock-variance (#PCDATA)>

<!ELEMENT ptp-bmc-grandmaster-identity (#PCDATA)>

<!ELEMENT ptp-bmc-grandmaster-priority1 (#PCDATA)>

<!ELEMENT ptp-bmc-grandmaster-priority2 (#PCDATA)>

<!ELEMENT ptp-bmc-header-flags (#PCDATA)>

<!ELEMENT ptp-bmc-header-mean-interval (#PCDATA)>

<!ELEMENT ptp-bmc-header-source-clock-identity (#PCDATA)>

<!ELEMENT ptp-bmc-header-source-clock-port-number (#PCDATA)>

<!ELEMENT ptp-bmc-ifl-index (#PCDATA)>

<!ELEMENT ptp-bmc-information (ptp-bmc-ip-address | ptp-bmc-slot |
ptp-bmc-ifl-index | ptp-bmc-stream-handle | ptp-bmc-clock-identity |
ptp-bmc-port-number | ptp-bmc-announce-utc-offset | ptp-bmc-announce-time-source
| ptp-bmc-announce-steps-removed | ptp-bmc-grandmaster-identity |
ptp-bmc-grandmaster-clock-class | ptp-bmc-grandmaster-clock-accuracy |
ptp-bmc-grandmaster-clock-variance | ptp-bmc-grandmaster-priority1 |
ptp-bmc-grandmaster-priority2 | ptp-bmc-receive-port-clock-identity |
ptp-bmc-receive-port-number | ptp-bmc-header-flags |
ptp-bmc-header-source-clock-identity | ptp-bmc-header-source-clock-port-number |
ptp-bmc-header-mean-interval)*>
<!--LIST ptp-bmc-information junos:style CDATA #IMPLIED-->

<!ELEMENT ptp-bmc-ip-address (#PCDATA)>

<!ELEMENT ptp-bmc-port-number (#PCDATA)>

<!ELEMENT ptp-bmc-receive-port-clock-identity (#PCDATA)>

<!ELEMENT ptp-bmc-receive-port-number (#PCDATA)>

<!ELEMENT ptp-bmc-slot (#PCDATA)>

<!ELEMENT ptp-bmc-stream-handle (#PCDATA)>

<!ELEMENT ptp-clock (ptp-clock-accuracy | ptp-slot-number-string | ptp-two-step-clk
| ptp-clock-id-default | ptp-number-of-ports | ptp-clock-class |
ptp-clock-variance | ptp-clock-priority1 | ptp-clock-priority2 |
ptp-clock-slave-only | ptp-clock-default-utc-offset | ptp-clock-default-leap-59
| ptp-clock-default-leap-61 | ptp-clock-default-time-tracable |
ptp-clock-default-freq-tracable | ptp-clock-default-time-source |
ptp-clock-delay-request-send-time | ptp-clock-steps-removed | ptp-clock-parent-id
| ptp-gmc-id | ptp-gmc-class | ptp-gmc-accuracy | ptp-gmc-variance |
ptp-gmc-priority1 | ptp-gmc-priority2 | ptp-clock-global-utc-offset |
ptp-clock-global-leap-59 | ptp-clock-global-leap-61 |
```

```
ptp-clock-global-time-tracable | ptp-clock-global-freq-tracable |
ptp-clock-global-time-scale | ptp-clock-global-time-source)*>
<!ATTLIST ptp-clock junos:style CDATA #IMPLIED>

<!ELEMENT ptp-clock-accuracy (#PCDATA)>

<!ELEMENT ptp-clock-class (#PCDATA)>

<!ELEMENT ptp-clock-default-freq-tracable (#PCDATA)>

<!ELEMENT ptp-clock-default-leap-59 (#PCDATA)>

<!ELEMENT ptp-clock-default-leap-61 (#PCDATA)>

<!ELEMENT ptp-clock-default-time-source (#PCDATA)>

<!ELEMENT ptp-clock-default-time-tracable (#PCDATA)>

<!ELEMENT ptp-clock-default-utc-offset (#PCDATA)>

<!ELEMENT ptp-clock-delay-request-send-time (#PCDATA)>

<!ELEMENT ptp-clock-global-freq-tracable (#PCDATA)>

<!ELEMENT ptp-clock-global-leap-59 (#PCDATA)>

<!ELEMENT ptp-clock-global-leap-61 (#PCDATA)>

<!ELEMENT ptp-clock-global-time-scale (#PCDATA)>

<!ELEMENT ptp-clock-global-time-source (#PCDATA)>

<!ELEMENT ptp-clock-global-time-tracable (#PCDATA)>

<!ELEMENT ptp-clock-global-utc-offset (#PCDATA)>

<!ELEMENT ptp-clock-id (#PCDATA)>

<!ELEMENT ptp-clock-id-default (#PCDATA)>

<!ELEMENT ptp-clock-identity (#PCDATA)>

<!ELEMENT ptp-clock-log-variance (#PCDATA)>

<!ELEMENT ptp-clock-mode (#PCDATA)>

<!ELEMENT ptp-clock-parent-id (#PCDATA)>

<!ELEMENT ptp-clock-priority1 (#PCDATA)>

<!ELEMENT ptp-clock-priority2 (#PCDATA)>

<!ELEMENT ptp-clock-quality (#PCDATA)>

<!ELEMENT ptp-clock-slave-only (#PCDATA)>

<!ELEMENT ptp-clock-source (ptp-clock-source-ip | ptp-clock-source-local-interface
| ptp-clock-source-local-ip-address | ptp-clock-source-preference)*>
<!ATTLIST ptp-clock-source junos:style CDATA #IMPLIED>

<!ELEMENT ptp-clock-source-ip (#PCDATA)>
```

```
<!ELEMENT ptp-clock-source-local-interface (#PCDATA)>

<!ELEMENT ptp-clock-source-local-ip-address (#PCDATA)>

<!ELEMENT ptp-clock-source-preference (#PCDATA)>

<!ELEMENT ptp-clock-statistics-in-discards (#PCDATA)>

<!ELEMENT ptp-clock-statistics-in-errors (#PCDATA)>

<!ELEMENT ptp-clock-statistics-in-unicast-packets (#PCDATA)>

<!ELEMENT ptp-clock-statistics-in-unknown-protocols (#PCDATA)>

<!ELEMENT ptp-clock-statistics-out-discards (#PCDATA)>

<!ELEMENT ptp-clock-statistics-out-errors (#PCDATA)>

<!ELEMENT ptp-clock-statistics-out-unicast-packets (#PCDATA)>

<!ELEMENT ptp-clock-stepping (#PCDATA)>

<!ELEMENT ptp-clock-steps-removed (#PCDATA)>

<!ELEMENT ptp-clock-stream-handle (#PCDATA)>

<!ELEMENT ptp-clock-variance (#PCDATA)>

<!ELEMENT ptp-delay-mechanism (#PCDATA)>

<!ELEMENT ptp-delay-request (#PCDATA)>

<!ELEMENT ptp-delay-response (#PCDATA)>

<!ELEMENT ptp-domain (#PCDATA)>

<!ELEMENT ptp-foreign-master-clock-id (#PCDATA)>

<!ELEMENT ptp-foreign-master-current-messages (#PCDATA)>

<!ELEMENT ptp-foreign-master-messages (#PCDATA)>

<!ELEMENT ptp-foreign-master-title-string (#PCDATA)>

<!ELEMENT ptp-fsm-header-string (#PCDATA)>

<!ELEMENT ptp-global-information (ptp-clock-mode | ptp-domain | ptp-priority1 |
ptp-priority2 | ptp-announce-timeout | ptp-clock-stepping | ptp-transport | master
| ptp-uni-neg | ptp-total-ports | ptp-slave-delay-request-string |
ptp-slave-announce-interval-string | ptp-master-delay-request-string |
ptp-master-announce-interval-string | ptp-slave-synchronization-interval-string
| ptp-master-synchronization-interval-string | ptp-slave-count |
ptp-master-count)*>
<ATTLIST ptp-global-information junos:style CDATA #IMPLIED>

<!ELEMENT ptp-gmc-accuracy (#PCDATA)>

<!ELEMENT ptp-gmc-class (#PCDATA)>

<!ELEMENT ptp-gmc-id (#PCDATA)>
```

```

<!ELEMENT ptp-gmc-priority1 (#PCDATA)>

<!ELEMENT ptp-gmc-priority2 (#PCDATA)>

<!ELEMENT ptp-gmc-variance (#PCDATA)>

<!ELEMENT ptp-lock-status (ptp-sp11-lock-state | ptp-sp11-lock-state-string |
ptp-sp11-frequency-offset | ptp-sp11-phase-offset | ptp-sp11-error-flag |
ptp-fsm-header-string | ptp-primary-reference-state | ptp-secondary-reference-state
| ptp-slave-if1-index | ptp-master-ip-address)*>
<!ATTLIST ptp-lock-status junos:style CDATA #IMPLIED>

<!ELEMENT ptp-master (ptp-master-interface-name | ptp-master-interface-status |
ptp-master-local-ip | ptp-master-local-status | ptp-master-total-slaves |
ptp-master-remote-ip | ptp-master-remote-status)*>
<!ATTLIST ptp-master junos:style CDATA #IMPLIED>

<!ELEMENT ptp-master-announce-interval-string (#PCDATA)>

<!ELEMENT ptp-master-count (#PCDATA)>

<!ELEMENT ptp-master-delay-request-string (#PCDATA)>

<!ELEMENT ptp-master-interface-name (#PCDATA)>

<!ELEMENT ptp-master-interface-status (#PCDATA)>

<!ELEMENT ptp-master-ip-address (#PCDATA)>

<!ELEMENT ptp-master-local-ip (#PCDATA)>

<!ELEMENT ptp-master-local-status (#PCDATA)>

<!ELEMENT ptp-master-remote-ip (#PCDATA)>

<!ELEMENT ptp-master-remote-status (#PCDATA)>

<!ELEMENT ptp-master-synchronization-interval-string (#PCDATA)>

<!ELEMENT ptp-master-total-slaves (#PCDATA)>

<!ELEMENT ptp-mean-path-delay-high (#PCDATA)>

<!ELEMENT ptp-mean-path-delay-low (#PCDATA)>

<!ELEMENT ptp-number-of-ports (#PCDATA)>

<!ELEMENT ptp-op-mode (#PCDATA)>

<!ELEMENT ptp-port (ptp-port-information)*>

<!ELEMENT ptp-port-information (ptp-clock-stream-handle | ptp-delay-request |
ptp-announce-interval | ptp-announce-timeout | ptp-synchronization-interval |
ptp-port-local-ip | ptp-port-remote-ip | ptp-clock-id | ptp-port-state |
ptp-mean-path-delay-high | ptp-mean-path-delay-low | ptp-delay-mechanism |
ptp-port-number | ptp-op-mode | ptp-foreign-master-title-string |
ptp-foreign-master-clock-id | ptp-foreign-master-messages |
ptp-foreign-master-current-messages)*>
<!ATTLIST ptp-port-information junos:style CDATA #IMPLIED>

```

```
<!ELEMENT ptp-port-local-ip (#PCDATA)>

<!ELEMENT ptp-port-number (#PCDATA)>

<!ELEMENT ptp-port-remote-ip (#PCDATA)>

<!ELEMENT ptp-port-state (#PCDATA)>

<!ELEMENT ptp-primary-reference-state (#PCDATA)>

<!ELEMENT ptp-priority1 (#PCDATA)>

<!ELEMENT ptp-priority2 (#PCDATA)>

<!ELEMENT ptp-secondary-reference-state (#PCDATA)>

<!ELEMENT ptp-slave (ptp-slave-interface-name | ptp-slave-interface-status |
ptp-slave-local-ip | ptp-slave-local-status | ptp-slave-total-masters |
ptp-slave-clock-source-ip | ptp-slave-clock-source-flags)*>
<!-- ATTLIST ptp-slave junos:style CDATA #IMPLIED -->

<!ELEMENT ptp-slave-announce-interval-string (#PCDATA)>

<!ELEMENT ptp-slave-clock-source-flags (#PCDATA)>

<!ELEMENT ptp-slave-clock-source-ip (#PCDATA)>

<!ELEMENT ptp-slave-count (#PCDATA)>

<!ELEMENT ptp-slave-delay-request-string (#PCDATA)>

<!ELEMENT ptp-slave-ifl-index (#PCDATA)>

<!ELEMENT ptp-slave-interface-name (#PCDATA)>

<!ELEMENT ptp-slave-interface-status (#PCDATA)>

<!ELEMENT ptp-slave-local-ip (#PCDATA)>

<!ELEMENT ptp-slave-local-status (#PCDATA)>

<!ELEMENT ptp-slave-synchronization-interval-string (#PCDATA)>

<!ELEMENT ptp-slave-total-masters (#PCDATA)>

<!ELEMENT ptp-slot-number-string (#PCDATA)>

<!ELEMENT ptp-sp11-error-flag (#PCDATA)>

<!ELEMENT ptp-sp11-frequency-offset (#PCDATA)>

<!ELEMENT ptp-sp11-lock-state (#PCDATA)>

<!ELEMENT ptp-sp11-lock-state-string (#PCDATA)>

<!ELEMENT ptp-sp11-phase-offset (#PCDATA)>

<!ELEMENT ptp-statistics (ptp-clock-stream-handle | ptp-statistics-local-ip |
ptp-statistics-remote-ip | ptp-clock-statistics-in-unicast-packets |
ptp-clock-statistics-in-discards | ptp-clock-statistics-in-errors |
ptp-clock-statistics-in-unknown-protocols |
```

```

ptp-clock-statistics-out-unicast-packets | ptp-clock-statistics-out-discards |
ptp-clock-statistics-out-errors)*>
<!ATTLIST ptp-statistics junos:style CDATA #IMPLIED>

<!ELEMENT ptp-statistics-local-ip (#PCDATA)>

<!ELEMENT ptp-statistics-remote-ip (#PCDATA)>

<!ELEMENT ptp-synchronization-interval (#PCDATA)>

<!ELEMENT ptp-thread-entry-function-pointer (#PCDATA)>

<!ELEMENT ptp-thread-id (#PCDATA)>

<!ELEMENT ptp-thread-name (#PCDATA)>

<!ELEMENT ptp-thread-priority (#PCDATA)>

<!ELEMENT ptp-thread-total (#PCDATA)>

<!ELEMENT ptp-threads (ptp-thread-id | ptp-thread-name |
ptp-thread-entry-function-pointer | ptp-thread-priority | ptp-thread-total)*>
<!ATTLIST ptp-threads junos:style CDATA #IMPLIED>

<!ELEMENT ptp-total-ports (#PCDATA)>

<!ELEMENT ptp-transport (#PCDATA)>

<!ELEMENT ptp-two-step-clk (#PCDATA)>

<!ELEMENT ptp-uni-neg (#PCDATA)>

<!ELEMENT ptp-version (#PCDATA)>

<!ELEMENT ptp-zarlink-config (ptp-version | ptp-domain | ptp-priority1 |
ptp-priority2 | ptp-clock-mode | ptp-delay-request | ptp-announce-timeout |
ptp-announce-interval | ptp-synchronization-interval | ptp-clock-stepping |
ptp-clock-accuracy | ptp-clock-quality | ptp-clock-log-variance |
ptp-clock-identity | ptp-delay-response)*>
<!ATTLIST ptp-zarlink-config junos:style CDATA #IMPLIED>

<!ELEMENT quality-mode (#PCDATA)>

<!ELEMENT reboot-hold-interval (#PCDATA)>

<!ELEMENT reference-must-mask (#PCDATA)>

<!ELEMENT secondary-index (#PCDATA)>

<!ELEMENT secondary-quality-level (#PCDATA)>

<!ELEMENT secondary-state (#PCDATA)>

<!ELEMENT secondary-type (#PCDATA)>

<!ELEMENT selection-mode (#PCDATA)>

<!ELEMENT source-clock-event (#PCDATA)>

<!ELEMENT source-clock-type (#PCDATA)>

```

```
<!ELEMENT source-interface-index (#PCDATA)>
<!ELEMENT source-interface-name (#PCDATA)>
<!ELEMENT source-interface-status (#PCDATA)>
<!ELEMENT source-priority (#PCDATA)>
<!ELEMENT source-quality-level (#PCDATA)>
<!ELEMENT switchover-hold-interval (#PCDATA)>
<!ELEMENT switchover-mode (#PCDATA)>
<!ELEMENT zarlink-fail-bitmap (#PCDATA)>
<!ELEMENT zarlink-support-dpc-bitmap (#PCDATA)>
```



## CHAPTER 29

# DTD for Class-of-Service Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-cos.dtd`, which lists the Junos XML tags that contain information about CoS. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-cos.dtd -->

<!ELEMENT adaptive-shaper (adaptive-shaper-name | table-index | trigger-item)*>

<!ELEMENT adaptive-shaper-name (#PCDATA)>

<!ELEMENT adaptive-shaping-rate (#PCDATA)>

<!ELEMENT adjust-minimum (#PCDATA)>

<!ELEMENT adjusting-application-name (#PCDATA)>

<!ELEMENT adjustment-shape-value (#PCDATA)>

<!ELEMENT adjustment-target (#PCDATA)>

<!ELEMENT adjustment-type (#PCDATA)>

<!ELEMENT adjustment-value (#PCDATA)>

<!ELEMENT alias-map (alias-map-item)*>

<!ELEMENT alias-map-item (code-point-bits | code-point-alias)*>

<!ELEMENT burst-size (#PCDATA)>

<!ELEMENT cell-overhead (#PCDATA)>

<!ELEMENT channel (virtual-channel-name | scheduler-map-name | channel-shaping-rate
| adjustment-shape-value)*>

<!ELEMENT channel-shaping-rate (#PCDATA)>

<!ELEMENT chassis-scheduler-map-index (#PCDATA)>

<!ELEMENT chassis-scheduler-map-name (#PCDATA)>
```

```
<!ELEMENT classifier (classifier-name | code-point-type | table-index |
classifier-map)*>

<!ELEMENT classifier-map (classifier-map-item)*>

<!ELEMENT classifier-map-item (code-point | fc-name | loss-priority |
cntag-present)*>

<!ELEMENT classifier-name (#PCDATA)>

<!ELEMENT classifier-table (table-index | number-of-entries | table-type |
classifier-table-entry)*>

<!ELEMENT classifier-table-entry (table-index | code-point | fc-queue-number |
loss-priority)*>

<!ELEMENT classifier-table-map (table-index | table-type | logical-interface |
logical-interface-index)*>

<!ELEMENT cls-md-map (multidest-classifier-name | multidest-classifier-type |
multidest-classifier-index)*>
<ATTLIST cls-md-map junos:style CDATA #IMPLIED>

<!ELEMENT cntag-present (#PCDATA)>

<!ELEMENT code-point (#PCDATA)>

<!ELEMENT code-point-alias (#PCDATA)>

<!ELEMENT code-point-bits (#PCDATA)>

<!ELEMENT code-point-map (code-point-type | alias-map)*>

<!ELEMENT code-point-type (#PCDATA)>

<!ELEMENT configured-shaping-rate (#PCDATA)>

<!ELEMENT congestion-notification-id (#PCDATA)>

<!ELEMENT congestion-notification-map (congestion-notification-map-item)*>

<!ELEMENT congestion-notification-map-item (pfc-priority | pfc-enable-state)*>

<!ELEMENT congestion-notification-name (#PCDATA)>

<!ELEMENT congestion-notification-type (#PCDATA)>

<!ELEMENT cos-adaptive-shaper-information (adaptive-shaper)*>

<!ELEMENT cos-classifier-information (classifier)*>

<!ELEMENT cos-classifier-table-information (classifier-table)*>

<!ELEMENT cos-classifier-table-map-information (classifier-table-map)*>

<!ELEMENT cos-code-point-map-information (code-point-map)*>

<!ELEMENT cos-congestion-notification (congestion-notification-type |
congestion-notification-name | congestion-notification-id |
congestion-notification-map)*>
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<!ELEMENT cos-congestion-notification-information (cos-congestion-notification)*>

<!ELEMENT cos-drop-profile-information (drop-profile)*>

<!ELEMENT cos-fabric-scheduler-map-information (fabric-scheduler-map)*>

<!ELEMENT cos-fabric-scheduler-map-table-information (fabric-scheduler-map-table)*>

<!ELEMENT cos-forwarding-class-information (fc-map)*>

<!ELEMENT cos-forwarding-class-map-information (fc-map)*>

<!ELEMENT cos-forwarding-class-map-interface-table-information
(forwarding-class-queue-table-map)*>

<!ELEMENT cos-forwarding-class-map-table-information
(forwarding-class-queue-table)*>

<!ELEMENT cos-forwarding-class-set-information (forwarding-class-set)*>

<!ELEMENT cos-fragmentation-map-information (fragmentation-map)*>

<!ELEMENT cos-information (cos-forwarding-class-information |
cos-forwarding-class-map-information | cos-classifier-information |
cos-loss-priority-map-information | cos-drop-profile-information |
cos-rewrite-information | cos-loss-priority-rewrite-information |
cos-code-point-map-information | cos-fragmentation-map-information |
cos-translation-table-map-information | cos-multi-destination-information |
cos-forwarding-class-set-information)*>

<!ELEMENT cos-interface-information (interface-map)*>

<!ELEMENT cos-interface-set-information (interface-set-map)*>

<!ELEMENT cos-l2tp-session-information (l2tp-session-map)*>

<!ELEMENT cos-loss-priority-map-information (loss-priority-map)*>

<!ELEMENT cos-loss-priority-map-table-binding-information
(loss-priority-map-table-binding)*>

<!ELEMENT cos-loss-priority-map-table-information (loss-priority-map-table)*>

<!ELEMENT cos-loss-priority-rewrite-information (loss-priority-rewrite)*>

<!ELEMENT cos-loss-priority-rewrite-table-binding-information
(loss-priority-rewrite-table-binding)*>

<!ELEMENT cos-loss-priority-rewrite-table-information
(loss-priority-rewrite-table)*>

<!ELEMENT cos-multi-destination-information (sm-md-map | fc-md-map | cls-md-map)*>

<!ELEMENT cos-policer-table-map-information (policer-table-map)*>

<!ELEMENT cos-red-information (red)*>

<!ELEMENT cos-rewrite-information (rewrite)*>

<!ELEMENT cos-rewrite-table-information (rewrite-table)*>
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<!ELEMENT cos-rewrite-table-map-information (rewrite-table-map)*>

<!ELEMENT cos-routing-instance-information (routing-instance-map)*>

<!ELEMENT cos-scheduler-map-information (scheduler-map)*>

<!ELEMENT cos-scheduler-map-table-information (policy)*>

<!ELEMENT cos-shaper-table-map-information (shaper-table-map)*>

<!ELEMENT cos-table-information (cos-classifier-table-information |
cos-classifier-table-map-information | cos-loss-priority-map-table-information |
cos-loss-priority-map-table-binding-information |
cos-scheduler-map-table-information | cos-red-information |
cos-rewrite-table-information | cos-rewrite-table-map-information |
cos-loss-priority-rewrite-table-information |
cos-loss-priority-rewrite-table-binding-information |
cos-policer-table-map-information | cos-shaper-table-map-information)*>

<!ELEMENT cos-traffic-control-profile-information (traffic-control-profile)*>

<!ELEMENT cos-translation-table-information (translation-table)*>

<!ELEMENT cos-translation-table-map-information (translation-table)*>

<!ELEMENT cos-translation-table-mapping-information (translation-table-mapping)*>

<!ELEMENT cos-virtual-channel-group-information (virtual-channel-group)*>

<!ELEMENT cos-virtual-channel-information (virtual-channel)*>

<!ELEMENT delay-buffer-rate (#PCDATA)>

<!ELEMENT dest-fpc-index (#PCDATA)>

<!ELEMENT drop-bps-high (#PCDATA)>

<!ELEMENT drop-bps-low (#PCDATA)>

<!ELEMENT drop-bytes-high (#PCDATA)>

<!ELEMENT drop-bytes-low (#PCDATA)>

<!ELEMENT drop-pkts-high (#PCDATA)>

<!ELEMENT drop-pkts-low (#PCDATA)>

<!ELEMENT drop-pps-high (#PCDATA)>

<!ELEMENT drop-pps-low (#PCDATA)>

<!ELEMENT drop-profile (profile-name | profile-type | table-index | profile-map)*>

<!ELEMENT drop-profile-map-set-type (#PCDATA)>

<!ELEMENT drop-statistics (drop-pkts-high | drop-pkts-low | drop-bytes-high |
drop-bytes-low | drop-pps-high | drop-pps-low | drop-bps-high | drop-bps-low)*>

<!ELEMENT encapsulation-overhead (#PCDATA)>

<!ELEMENT excess-rate (#PCDATA)>
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<!ELEMENT fabric-queue-information (fpc-queue-information)*>

<!ELEMENT fabric-scheduler (fabric-scheduler-name | fabric-scheduler-index |
fabric-scheduler-drop-profile-ln-index | fabric-scheduler-drop-profile-ln |
fabric-scheduler-drop-profile-lt-index | fabric-scheduler-drop-profile-lt |
fabric-scheduler-drop-profile-hn-index | fabric-scheduler-drop-profile-hn |
fabric-scheduler-drop-profile-ht-index | fabric-scheduler-drop-profile-ht)*>

<!ELEMENT fabric-scheduler-drop-profile-hn (#PCDATA)>

<!ELEMENT fabric-scheduler-drop-profile-hn-index (#PCDATA)>

<!ELEMENT fabric-scheduler-drop-profile-ht (#PCDATA)>

<!ELEMENT fabric-scheduler-drop-profile-ht-index (#PCDATA)>

<!ELEMENT fabric-scheduler-drop-profile-ln (#PCDATA)>

<!ELEMENT fabric-scheduler-drop-profile-ln-index (#PCDATA)>

<!ELEMENT fabric-scheduler-drop-profile-lt (#PCDATA)>

<!ELEMENT fabric-scheduler-drop-profile-lt-index (#PCDATA)>

<!ELEMENT fabric-scheduler-index (#PCDATA)>

<!ELEMENT fabric-scheduler-map (fabric-scheduler-priority | fabric-scheduler)*>

<!ELEMENT fabric-scheduler-map-table (fabric-scheduler-priority |
fabric-scheduler-queues | fabric-scheduler-table)*>

<!ELEMENT fabric-scheduler-name (#PCDATA)>

<!ELEMENT fabric-scheduler-priority (#PCDATA)>

<!ELEMENT fabric-scheduler-queues (#PCDATA)>

<!ELEMENT fabric-scheduler-table (fabric-scheduler-index |
fabric-scheduler-drop-profile-hn-index | fabric-scheduler-drop-profile-ln-index
| fabric-scheduler-drop-profile-ht-index |
fabric-scheduler-drop-profile-lt-index)*>

<!ELEMENT fc-map (fc-map-item)*>
<!ATTLIST fc-map junos:style CDATA #IMPLIED>

<!ELEMENT fc-map-item (fc-name | fc-number | fc-queue-number | fc-rqueue-number
| fc-priority | fc-policing-priority)*>

<!ELEMENT fc-md-map (fc-name | fc-queue-number)*>

<!ELEMENT fc-name (#PCDATA)>

<!ELEMENT fc-number (#PCDATA)>

<!ELEMENT fc-policing-priority (#PCDATA)>

<!ELEMENT fc-priority (#PCDATA)>

<!ELEMENT fc-queue-number (#PCDATA)>

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<!ELEMENT fc-queue-number (#PCDATA)>

<!ELEMENT fill-level (#PCDATA)>

<!ELEMENT forwarding-class-map-index (#PCDATA)>

<!ELEMENT forwarding-class-map-name (#PCDATA)>

<!ELEMENT forwarding-class-queue-table (table-index | number-of-entries |
forwarding-class-queue-table-entry)*>

<!ELEMENT forwarding-class-queue-table-entry (fc-number | fc-queue-number |
fc-queue-number)*>

<!ELEMENT forwarding-class-queue-table-map (logical-interface |
logical-interface-index | table-index)*>

<!ELEMENT forwarding-class-set (forwarding-class-set-entry)*>
<ATTLIST forwarding-class-set junos:style CDATA #IMPLIED>

<!ELEMENT forwarding-class-set-attachment (forwarding-class-set-name | table-index
| output-traffic-control-profile-name | output-traffic-control-profile-index)*>

<!ELEMENT forwarding-class-set-entry (forwarding-class-set-name |
forwarding-class-set-type | forwarding-class-set-index | fc-map)*>

<!ELEMENT forwarding-class-set-index (#PCDATA)>

<!ELEMENT forwarding-class-set-name (#PCDATA)>

<!ELEMENT forwarding-class-set-type (#PCDATA)>

<!ELEMENT fpc-queue-information (dest-fpc-index | src-fpc-index | total-statistics
| tx-statistics | drop-statistics)*>

<!ELEMENT fragment-map (fc-name | fragment-threshold | no-fragmentation |
fragment-multilink-class)*>
<ATTLIST fragment-map junos:style CDATA #IMPLIED>

<!ELEMENT fragment-multilink-class (#PCDATA)>

<!ELEMENT fragment-threshold (#PCDATA)>

<!ELEMENT fragmentation-map (fragmentation-map-name | fragmentation-map-index |
fragment-map)*>

<!ELEMENT fragmentation-map-index (#PCDATA)>

<!ELEMENT fragmentation-map-name (#PCDATA)>

<!ELEMENT from-code-point (#PCDATA)>

<!ELEMENT guaranteed-rate (#PCDATA)>

<!ELEMENT high-drop-profile-identifier (#PCDATA)>

<!ELEMENT i-logical-index (#PCDATA)>

<!ELEMENT i-logical-map (i-logical-name | i-logical-index |
interface-has-dedicated-queues | i-logical-objects | policer-bandwidth |
policer-burst | shaper-bandwidth | shaper-burst | shaping-rate | burst-size |
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input-shaping-rate | input-burst-size | adjusting-application-name |
adjustment-type | configured-shaping-rate | adjustment-value | adjustment-target)*>

<!ELEMENT i-logical-name (#PCDATA)>

<!ELEMENT i-logical-object-index (#PCDATA)>

<!ELEMENT i-logical-object-name (#PCDATA)>

<!ELEMENT i-logical-object-subtype (#PCDATA)>

<!ELEMENT i-logical-object-type (#PCDATA)>

<!ELEMENT i-logical-objects (i-logical-object-type | i-logical-object-name |
i-logical-object-subtype | i-logical-object-index)*>

<!ELEMENT input-burst-size (#PCDATA)>

<!ELEMENT input-scheduler-map-index (#PCDATA)>

<!ELEMENT input-scheduler-map-name (#PCDATA)>

<!ELEMENT input-shaping-rate (#PCDATA)>

<!ELEMENT input-traffic-control-profile-index (#PCDATA)>

<!ELEMENT input-traffic-control-profile-name (#PCDATA)>

<!ELEMENT instance-reference-count (#PCDATA)>

<!ELEMENT interface (#PCDATA)>

<!ELEMENT interface-congestion-notification-map (#PCDATA)>

<!ELEMENT interface-congestion-notification-map-index (#PCDATA)>

<!ELEMENT interface-has-dedicated-queues (#PCDATA)>

<!ELEMENT interface-index (#PCDATA)>

<!ELEMENT interface-input-shaping-rate (#PCDATA)>

<!ELEMENT interface-map (interface-name | interface-index |
interface-queues-supported | interface-queues-in-use |
interface-total-queues-created | interface-shaping-rate | scheduler-map-name |
scheduler-map-index | interface-input-shaping-rate | input-scheduler-map-name |
input-scheduler-map-index | chassis-scheduler-map-name |
chassis-scheduler-map-index | input-traffic-control-profile-name |
input-traffic-control-profile-index | output-traffic-control-profile-name |
output-traffic-control-profile-index | forwarding-class-map-name |
forwarding-class-map-index | interface-congestion-notification-map |
interface-congestion-notification-map-index | forwarding-class-set-attachment |
i-logical-map)*>

<!ELEMENT interface-name (#PCDATA)>

<!ELEMENT interface-queues-in-use (#PCDATA)>

<!ELEMENT interface-queues-supported (#PCDATA)>

<!ELEMENT interface-set-index (#PCDATA)>

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<!ELEMENT interface-set-map (interface-set-name | interface-set-index |
interface-name | interface-index | interface-queues-supported |
interface-queues-in-use | output-traffic-control-profile-name |
output-traffic-control-profile-index | input-traffic-control-profile-name |
input-traffic-control-profile-index | adjusting-application-name | adjustment-type
| configured-shaping-rate | adjustment-value | adjustment-target)*>

<!ELEMENT interface-set-name (#PCDATA)>

<!ELEMENT interface-shaping-rate (#PCDATA)>

<!ELEMENT interface-total-queues-created (#PCDATA)>

<!ELEMENT l2tp-session-index (#PCDATA)>

<!ELEMENT l2tp-session-map (interface-name | interface-index |
interface-queues-supported | interface-queues-in-use | l2tp-session-username |
l2tp-session-index | traffic-control-profile-name | traffic-control-profile-index
| scheduler-map-name | scheduler-map-index | shaping-rate | guaranteed-rate |
delay-buffer-rate | encapsulation-overhead | cell-overhead)*>

<!ELEMENT l2tp-session-username (#PCDATA)>

<!ELEMENT logical-interface (#PCDATA)>

<!ELEMENT logical-interface-index (#PCDATA)>

<!ELEMENT loss-priority (#PCDATA)>

<!ELEMENT loss-priority-map (loss-priority-map-name | code-point-type | table-index
| loss-priority-map-table)*>

<!ELEMENT loss-priority-map-item (code-point | loss-priority)*>

<!ELEMENT loss-priority-map-name (#PCDATA)>

<!ELEMENT loss-priority-map-table (loss-priority-map-item | table-index |
number-of-entries | table-type | loss-priority-map-table-entry)*>

<!ELEMENT loss-priority-map-table-binding (table-index | table-type |
logical-interface | logical-interface-index)*>

<!ELEMENT loss-priority-map-table-entry (table-index | code-point |
loss-priority)*>

<!ELEMENT loss-priority-rewrite (loss-priority-rewrite-name | code-point-type |
table-index | loss-priority-rewrite-table)*>

<!ELEMENT loss-priority-rewrite-item (loss-priority | code-point)*>

<!ELEMENT loss-priority-rewrite-name (#PCDATA)>

<!ELEMENT loss-priority-rewrite-table (loss-priority-rewrite-item | table-index
| number-of-entries | table-type | loss-priority-rewrite-table-entry)*>

<!ELEMENT loss-priority-rewrite-table-binding (table-index | table-type |
logical-interface | logical-interface-index)*>

<!ELEMENT loss-priority-rewrite-table-entry (table-index | loss-priority |
code-point)*>
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<!ELEMENT low-drop-profile-identifier (#PCDATA)>

<!ELEMENT medium-drop-profile-identifier (#PCDATA)>

<!ELEMENT medium-high-drop-profile-identifier (#PCDATA)>

<!ELEMENT medium-low-drop-profile-identifier (#PCDATA)>

<!ELEMENT multidest-classifier-index (#PCDATA)>

<!ELEMENT multidest-classifier-name (#PCDATA)>

<!ELEMENT multidest-classifier-type (#PCDATA)>

<!ELEMENT no-fragmentation EMPTY>

<!ELEMENT number-of-entries (#PCDATA)>

<!ELEMENT output-traffic-control-profile-index (#PCDATA)>

<!ELEMENT output-traffic-control-profile-name (#PCDATA)>

<!ELEMENT overhead-accounting-mode (#PCDATA)>

<!ELEMENT overhead-bytes (#PCDATA)>

<!ELEMENT p-interface (#PCDATA)>

<!ELEMENT p-interface-index (#PCDATA)>

<!ELEMENT pfc-enable-state (#PCDATA)>

<!ELEMENT pfc-priority (#PCDATA)>

<!ELEMENT policer-bandwidth (#PCDATA)>

<!ELEMENT policer-burst (#PCDATA)>

<!ELEMENT policer-table-map (p-interface | p-interface-index | policer-bandwidth
| policer-burst)*>

<!ELEMENT policy (interface | interface-index | policy-index | policy-type |
policy-number-of-queues | traffic-control-profile-name |
traffic-control-profile-index | policy-entry)*>

<!ELEMENT policy-buffer-size-percentage (#PCDATA)>

<!ELEMENT policy-buffer-size-remainder (#PCDATA)>

<!ELEMENT policy-buffer-size-temporal (#PCDATA)>

<!ELEMENT policy-entry (table-index | policy-entry-identifier | fc-number |
fc-queue-number | policy-transmit-rate | policy-transmit-rate-percentage |
policy-transmit-rate-remainder | policy-buffer-size-temporal |
policy-buffer-size-percentage | policy-buffer-size-remainder |
policy-scheduling-priority | policy-excess-priority |
policy-excess-rate-proportional | policy-excess-rate-percentage |
policy-shaping-rate | policy-shaping-rate-percentage | policy-packet-loss-profile
| policy-exact)*>

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<!ELEMENT policy-entry-identifier (#PCDATA)>

<!ELEMENT policy-exact (#PCDATA)>

<!ELEMENT policy-excess-priority (#PCDATA)>

<!ELEMENT policy-excess-rate-percentage (#PCDATA)>

<!ELEMENT policy-excess-rate-proportional (#PCDATA)>

<!ELEMENT policy-index (#PCDATA)>

<!ELEMENT policy-number-of-queues (#PCDATA)>

<!ELEMENT policy-packet-loss-profile (high-drop-profile-identifier |
medium-drop-profile-identifier | low-drop-profile-identifier |
medium-high-drop-profile-identifier | medium-low-drop-profile-identifier |
tcp-high-drop-profile-identifier | tcp-low-drop-profile-identifier)*>

<!ELEMENT policy-scheduling-priority (#PCDATA)>

<!ELEMENT policy-shaping-rate (#PCDATA)>

<!ELEMENT policy-shaping-rate-percentage (#PCDATA)>

<!ELEMENT policy-transmit-rate (#PCDATA)>

<!ELEMENT policy-transmit-rate-percentage (#PCDATA)>

<!ELEMENT policy-transmit-rate-remainder (#PCDATA)>

<!ELEMENT policy-type (#PCDATA)>

<!ELEMENT probability (#PCDATA)>

<!ELEMENT profile-map (profile-map-item)*>

<!ELEMENT profile-map-item (fill-level | probability)*>
<!ATTLIST profile-map-item junos:style CDATA #IMPLIED>

<!ELEMENT profile-name (#PCDATA)>

<!ELEMENT profile-type (#PCDATA)>

<!ELEMENT red (red-drop-profile-identifier | number-of-entries | red-entry)*>

<!ELEMENT red-drop-probability (#PCDATA)>

<!ELEMENT red-drop-profile-identifier (#PCDATA)>

<!ELEMENT red-entry (red-entry-index | red-fullness | red-drop-probability)*>
<!ATTLIST red-entry junos:style CDATA #IMPLIED>

<!ELEMENT red-entry-index (#PCDATA)>

<!ELEMENT red-fullness (#PCDATA)>

<!ELEMENT rewrite (rewrite-name | code-point-type | table-index | rewrite-map)*>

<!ELEMENT rewrite-high-codepoint (#PCDATA)>
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<!ELEMENT rewrite-high-enable-state (#PCDATA)>

<!ELEMENT rewrite-low-codepoint (#PCDATA)>

<!ELEMENT rewrite-low-enable-state (#PCDATA)>

<!ELEMENT rewrite-map (rewrite-map-item)*>

<!ELEMENT rewrite-map-item (code-point | fc-name | loss-priority)*>

<!ELEMENT rewrite-medium-codepoint (#PCDATA)>

<!ELEMENT rewrite-medium-enable-state (#PCDATA)>

<!ELEMENT rewrite-medium-high-codepoint (#PCDATA)>

<!ELEMENT rewrite-medium-high-enable-state (#PCDATA)>

<!ELEMENT rewrite-medium-low-codepoint (#PCDATA)>

<!ELEMENT rewrite-medium-low-enable-state (#PCDATA)>

<!ELEMENT rewrite-name (#PCDATA)>

<!ELEMENT rewrite-table (table-index | number-of-entries | table-type |
rewrite-table-entry)*>

<!ELEMENT rewrite-table-entry (fc-queue-number | rewrite-low-codepoint |
rewrite-low-enable-state | rewrite-high-codepoint | rewrite-high-enable-state |
rewrite-medium-codepoint | rewrite-medium-enable-state |
rewrite-medium-low-codepoint | rewrite-medium-low-enable-state |
rewrite-medium-high-codepoint | rewrite-medium-high-enable-state)*>
<!ATTLIST rewrite-table-entry junos:style CDATA #IMPLIED>

<!ELEMENT rewrite-table-map (table-index | table-type | logical-interface |
logical-interface-index)*>

<!ELEMENT routing-instance-map (routing-instance-name | i-logical-map)*>

<!ELEMENT routing-instance-name (#PCDATA)>

<!ELEMENT s-interface (#PCDATA)>

<!ELEMENT s-interface-index (#PCDATA)>

<!ELEMENT scheduler (fc-name | scheduler-name | scheduler-index | scheduler-tx-rate
| scheduler-tx-limit | scheduler-buffer-size | scheduler-buffer-limit |
scheduler-priority | scheduler-excess-priority | scheduler-shaping-rate |
scheduler-excess-rate | scheduler-adjust-minimum | scheduler-adjust-percent |
scheduler-drop-profile-ln-index | scheduler-drop-profile-ln |
scheduler-drop-profile-lt-index | scheduler-drop-profile-lt |
scheduler-drop-profile-hn-index | scheduler-drop-profile-hn |
scheduler-drop-profile-ht-index | scheduler-drop-profile-ht |
scheduler-drop-profile-la-index | scheduler-drop-profile-la |
scheduler-drop-profile-mla-index | scheduler-drop-profile-mla |
scheduler-drop-profile-mha-index | scheduler-drop-profile-mha |
scheduler-drop-profile-ma-index | scheduler-drop-profile-ma |
scheduler-drop-profile-ha-index | scheduler-drop-profile-ha |
drop-profile-map-set-type)*>

<!ELEMENT scheduler-adjust-minimum (#PCDATA)>

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<!ELEMENT scheduler-adjust-percent (#PCDATA)>
<!ELEMENT scheduler-buffer-limit (#PCDATA)>
<!ELEMENT scheduler-buffer-size (#PCDATA)>
<!ELEMENT scheduler-drop-profile-ha (#PCDATA)>
<!ELEMENT scheduler-drop-profile-ha-index (#PCDATA)>
<!ELEMENT scheduler-drop-profile-hn (#PCDATA)>
<!ELEMENT scheduler-drop-profile-hn-index (#PCDATA)>
<!ELEMENT scheduler-drop-profile-ht (#PCDATA)>
<!ELEMENT scheduler-drop-profile-ht-index (#PCDATA)>
<!ELEMENT scheduler-drop-profile-la (#PCDATA)>
<!ELEMENT scheduler-drop-profile-la-index (#PCDATA)>
<!ELEMENT scheduler-drop-profile-ln (#PCDATA)>
<!ELEMENT scheduler-drop-profile-ln-index (#PCDATA)>
<!ELEMENT scheduler-drop-profile-lt (#PCDATA)>
<!ELEMENT scheduler-drop-profile-lt-index (#PCDATA)>
<!ELEMENT scheduler-drop-profile-ma (#PCDATA)>
<!ELEMENT scheduler-drop-profile-ma-index (#PCDATA)>
<!ELEMENT scheduler-drop-profile-mha (#PCDATA)>
<!ELEMENT scheduler-drop-profile-mha-index (#PCDATA)>
<!ELEMENT scheduler-drop-profile-mla (#PCDATA)>
<!ELEMENT scheduler-drop-profile-mla-index (#PCDATA)>
<!ELEMENT scheduler-excess-priority (#PCDATA)>
<!ELEMENT scheduler-excess-rate (#PCDATA)>
<!ELEMENT scheduler-index (#PCDATA)>
<!ELEMENT scheduler-map (scheduler-map-name | scheduler-map-index | scheduler)*>
<!ELEMENT scheduler-map-index (#PCDATA)>
<!ELEMENT scheduler-map-name (#PCDATA)>
<!ELEMENT scheduler-name (#PCDATA)>
<!ELEMENT scheduler-priority (#PCDATA)>
<!ELEMENT scheduler-shaping-rate (#PCDATA)>
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<!ELEMENT scheduler-tx-limit (#PCDATA)>

<!ELEMENT scheduler-tx-rate (#PCDATA)>

<!ELEMENT shaper-bandwidth (#PCDATA)>

<!ELEMENT shaper-burst (#PCDATA)>

<!ELEMENT shaper-table-map (s-interface | s-interface-index | shaper-bandwidth |
  shaper-burst)*>

<!ELEMENT shaping-rate (#PCDATA)>

<!ELEMENT shaping-rate-excess-high (#PCDATA)>

<!ELEMENT shaping-rate-excess-low (#PCDATA)>

<!ELEMENT shaping-rate-priority-high (#PCDATA)>

<!ELEMENT shaping-rate-priority-low (#PCDATA)>

<!ELEMENT shaping-rate-priority-medium (#PCDATA)>

<!ELEMENT sm-md-map (scheduler-map-name | scheduler-map-index)*>

<!ELEMENT src-fpc-index (#PCDATA)>

<!ELEMENT table-index (#PCDATA)>

<!ELEMENT table-type (#PCDATA)>

<!ELEMENT tcp-high-drop-profile-identifier (#PCDATA)>

<!ELEMENT tcp-low-drop-profile-identifier (#PCDATA)>

<!ELEMENT to-code-point (#PCDATA)>

<!ELEMENT total-bps-high (#PCDATA)>

<!ELEMENT total-bps-low (#PCDATA)>

<!ELEMENT total-bytes-high (#PCDATA)>

<!ELEMENT total-bytes-low (#PCDATA)>

<!ELEMENT total-pkts-high (#PCDATA)>

<!ELEMENT total-pkts-low (#PCDATA)>

<!ELEMENT total-pps-high (#PCDATA)>

<!ELEMENT total-pps-low (#PCDATA)>

<!ELEMENT total-statistics (total-pkts-high | total-pkts-low | total-bytes-high
| total-bytes-low | total-pps-high | total-pps-low | total-bps-high |
total-bps-low)*>

<!ELEMENT traffic-control-profile (traffic-control-profile-name |
scheduler-map-name | shaping-rate | shaping-rate-priority-high |
shaping-rate-priority-medium | shaping-rate-priority-low | shaping-rate-excess-high
| shaping-rate-excess-low | traffic-control-profile-index |

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traffic-control-profile-instance | guaranteed-rate | delay-buffer-rate |
excess-rate | overhead-bytes | overhead-accounting-mode | adjust-minimum)*>

<!ELEMENT traffic-control-profile-index (#PCDATA)>

<!ELEMENT traffic-control-profile-instance (traffic-control-profile-instance-name
| traffic-control-profile-instance-index | instance-reference-count)*>

<!ELEMENT traffic-control-profile-instance-index (#PCDATA)>

<!ELEMENT traffic-control-profile-instance-name (#PCDATA)>

<!ELEMENT traffic-control-profile-name (#PCDATA)>

<!ELEMENT translation-table (translation-table-name | translation-table-type |
table-index | translation-table-map | number-of-entries |
translation-table-entry)*>

<!ELEMENT translation-table-entry (table-index | from-code-point | to-code-point)*>

<!ELEMENT translation-table-map (translation-table-map-item)*>

<!ELEMENT translation-table-map-item (from-code-point | to-code-point)*>

<!ELEMENT translation-table-mapping (table-index | translation-table-type |
logical-interface | logical-interface-index)*>

<!ELEMENT translation-table-name (#PCDATA)>

<!ELEMENT translation-table-type (#PCDATA)>

<!ELEMENT trigger-item (trigger-type | adaptive-shaping-rate)*>

<!ELEMENT trigger-type (#PCDATA)>

<!ELEMENT tx-bps-high (#PCDATA)>

<!ELEMENT tx-bps-low (#PCDATA)>

<!ELEMENT tx-bytes-high (#PCDATA)>

<!ELEMENT tx-bytes-low (#PCDATA)>

<!ELEMENT tx-pkts-high (#PCDATA)>

<!ELEMENT tx-pkts-low (#PCDATA)>

<!ELEMENT tx-pps-high (#PCDATA)>

<!ELEMENT tx-pps-low (#PCDATA)>

<!ELEMENT tx-statistics (tx-pkts-high | tx-pkts-low | tx-bytes-high | tx-bytes-low
| tx-pps-high | tx-pps-low | tx-bps-high | tx-bps-low)*>

<!ELEMENT virtual-channel (virtual-channel-name | table-index)*>

<!ELEMENT virtual-channel-group (virtual-channel-group-name | table-index |
channel)*>

<!ELEMENT virtual-channel-group-name (#PCDATA)>
```

<!ELEMENT virtual-channel-name (#PCDATA)>





## CHAPTER 30

# DTD for CLI Administration Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos.dtd`, which lists the Junos XML tags that contain information about Junos CLI administration. To review reference pages for the tags, see .

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos.dtd -->

<!ELEMENT abort EMPTY>

<!ELEMENT abort-acknowledgement EMPTY>

<!ELEMENT action (#PCDATA)>

<!ELEMENT active-partition (#PCDATA)>

<!ELEMENT active-user-count (#PCDATA)>
<ATTLIST active-user-count junos:format CDATA #IMPLIED>

<!ELEMENT allow-command (#PCDATA)>

<!ELEMENT allow-config (#PCDATA)>

<!ELEMENT allow-no EMPTY>

<!ELEMENT archived-directory-list (directory-name)*>

<!ELEMENT authorization-information (user-information | user-permission-list |
command-authorization)*>

<!ELEMENT available-blocks (#PCDATA)>
<ATTLIST available-blocks junos:format CDATA #IMPLIED>

<!ELEMENT backup-partition (#PCDATA)>

<!ELEMENT bad-attribute (#PCDATA)>

<!ELEMENT bad-element (#PCDATA)>

<!ELEMENT binary-details (#PCDATA)>

<!ELEMENT binary-path (#PCDATA)>

<!ELEMENT blade-server EMPTY>
```

```
<!ELEMENT boot-media (#PCDATA)>

<!ELEMENT boot-media-name (#PCDATA)>

<!ELEMENT boot-partition (#PCDATA)>

<!ELEMENT booted-from (#PCDATA)>

<!ELEMENT build-date (#PCDATA)>

<!ELEMENT build-number (#PCDATA)>

<!ELEMENT build-server (#PCDATA)>

<!ELEMENT builder (#PCDATA)>

<!ELEMENT bytes-per-page (#PCDATA)>

<!ELEMENT cache-deletions (#PCDATA)>

<!ELEMENT cache-falsehits (#PCDATA)>

<!ELEMENT cause (#PCDATA)>

<!ELEMENT checksum (#PCDATA)>

<!ELEMENT checksum-information (file-checksum)*>

<!ELEMENT choice (id)*>

<!ELEMENT choices (choice)*>

<!ELEMENT clear-security-alarm-result (#PCDATA)>

<!ELEMENT clear-security-alarm-results (security-alarms-disabled |
no-security-alarms-active | no-security-alarms-cleared |
clear-security-alarm-result)*>

<!ELEMENT clear-security-log-result (#PCDATA)>

<!ELEMENT clear-security-log-results (security-logs-disabled |
no-security-events-active | no-security-events-cleared |
clear-security-log-result)*>

<!ELEMENT clear-system-login-lockout (no-login-lockout | no-login-lockout-user)*>

<!ELEMENT client (#PCDATA)>

<!ELEMENT cluster-node EMPTY>

<!ELEMENT column (#PCDATA)>

<!ELEMENT command-authorization (allow-command | deny-command | allow-config |
deny-config)*>

<!ELEMENT comment (#PCDATA)>

<!ELEMENT commit-at EMPTY>

<!ELEMENT commit-check-success EMPTY>
```

```

<!ELEMENT commit-history (sequence-number | user | date-time | client | comment
| log)*>

<!ELEMENT commit-information (pending-commit | commit-history |
rescue-configuration)*>

<!ELEMENT commit-results (routing-engine)*>

<!ELEMENT commit-script-running EMPTY>

<!ELEMENT commit-success EMPTY>

<!ELEMENT component (#PCDATA)>

<!ELEMENT computation-method (#PCDATA)>

<!ELEMENT configuration (#PCDATA)>

<!ELEMENT configuration-set (#PCDATA)>

<!ELEMENT configuration-text (#PCDATA)>

<!ELEMENT content (#PCDATA)>

<!ELEMENT copy-on-write-faults (#PCDATA)>

<!ELEMENT copy-on-write-optimized-faults (#PCDATA)>

<!ELEMENT core-filename (#PCDATA)>

<!ELEMENT core-information (core-filename | process-name | signal-number |
signal-description | stack-trace | build-server | build-date | release |
binary-path | binary-details)*>
<ATTLIST core-information junos:style CDATA #IMPLIED>

<!ELEMENT count-limit (#PCDATA)>

<!ELEMENT cpu-context-switch (#PCDATA)>

<!ELEMENT creation-date (#PCDATA)>

<!ELEMENT current-time (date-time)*>

<!ELEMENT daemon (#PCDATA)>

<!ELEMENT database-status (user | terminal | pid | start-time | idle-time |
commit-at | commit-script-running | exclusive | edit-path)*>

<!ELEMENT database-status-information (database-status)*>

<!ELEMENT date-time (#PCDATA)>
<ATTLIST date-time junos:seconds CDATA #IMPLIED>

<!ELEMENT deny-command (#PCDATA)>

<!ELEMENT deny-config (#PCDATA)>

<!ELEMENT deprecated (#PCDATA)>

<!ELEMENT destination-directory (#PCDATA)>

```

```
<!ELEMENT dev-intr (#PCDATA)>

<!ELEMENT diff-error-count (#PCDATA)>

<!ELEMENT directory (directory-name | total-file-blocks | file-information |
used-space)*>
<!ATTLIST directory name CDATA #IMPLIED>

<!ELEMENT directory-list (directory)*>
<!ATTLIST directory-list junos:seconds CDATA #IMPLIED>
<!ATTLIST directory-list root-path CDATA #IMPLIED>
<!ATTLIST directory-list junos:style CDATA #IMPLIED>

<!ELEMENT directory-name (#PCDATA)>

<!ELEMENT directory-usage-information (directory)*>

<!ELEMENT dre-inventory (dre-inventory-title | dre-inventory-header-uuid |
dre-inventory-header-model | dre-inventory-header-type | dre-inventory-header-role
| dre-inventory-header | dre-inventory-entry-uuid | dre-inventory-entry-model |
dre-inventory-entry-type | dre-inventory-entry-role | dre-inventory-entry |
dre-inventory-entry-ipaddr-header | dre-inventory-entry-ipaddr-value |
dre-inventory-entry-ipaddr | dre-inventory-entry-conn-header |
dre-inventory-entry-conn-value | dre-inventory-entry-conn |
dre-inventory-entry-hostname-header | dre-inventory-entry-hostname-value |
dre-inventory-entry-version-header | dre-inventory-entry-version-value |
dre-inventory-entry-fabricids-header | dre-inventory-entry-fabricids-value |
dre-inventory-entry-mode-header | dre-inventory-entry-mode-value |
dre-inventory-entry-devid-header | dre-inventory-entry-devid-value |
dre-inventory-entry-memid-header | dre-inventory-entry-memid-value>

<!ELEMENT dre-inventory-entry (#PCDATA)>

<!ELEMENT dre-inventory-entry-conn (#PCDATA)>

<!ELEMENT dre-inventory-entry-conn-header (#PCDATA)>

<!ELEMENT dre-inventory-entry-conn-value (#PCDATA)>

<!ELEMENT dre-inventory-entry-devid-header (#PCDATA)>

<!ELEMENT dre-inventory-entry-devid-value (#PCDATA)>

<!ELEMENT dre-inventory-entry-fabricids-header (#PCDATA)>

<!ELEMENT dre-inventory-entry-fabricids-value (#PCDATA)>

<!ELEMENT dre-inventory-entry-hostname-header (#PCDATA)>

<!ELEMENT dre-inventory-entry-hostname-value (#PCDATA)>

<!ELEMENT dre-inventory-entry-ipaddr (#PCDATA)>

<!ELEMENT dre-inventory-entry-ipaddr-header (#PCDATA)>

<!ELEMENT dre-inventory-entry-ipaddr-value (#PCDATA)>

<!ELEMENT dre-inventory-entry-memid-header (#PCDATA)>

<!ELEMENT dre-inventory-entry-memid-value (#PCDATA)>
```

```

<!ELEMENT dre-inventory-entry-mode-header (#PCDATA)>

<!ELEMENT dre-inventory-entry-mode-value (#PCDATA)>

<!ELEMENT dre-inventory-entry-model (#PCDATA)>

<!ELEMENT dre-inventory-entry-role (#PCDATA)>

<!ELEMENT dre-inventory-entry-type (#PCDATA)>

<!ELEMENT dre-inventory-entry-uuid (#PCDATA)>

<!ELEMENT dre-inventory-entry-version-header (#PCDATA)>

<!ELEMENT dre-inventory-entry-version-value (#PCDATA)>

<!ELEMENT dre-inventory-header (#PCDATA)>

<!ELEMENT dre-inventory-header-model (#PCDATA)>

<!ELEMENT dre-inventory-header-role (#PCDATA)>

<!ELEMENT dre-inventory-header-type (#PCDATA)>

<!ELEMENT dre-inventory-header-uuid (#PCDATA)>

<!ELEMENT dre-inventory-title (#PCDATA)>

<!ELEMENT dre-log-information (#PCDATA)>

<!ELEMENT dre-repository (dre-repository-title | dre-repository-header |
dre-repository-header-name | dre-repository-header-count |
dre-repository-header-model | dre-repository-header-usage | dre-repository-entry
| dre-repository-entry-name | dre-repository-entry-count |
dre-repository-entry-model | dre-repository-entry-usage | dre-repository-footer
| dre-repository-footer-string | dre-repository-footer-value |
dre-repository-component-title | dre-repository-component-header |
dre-repository-component-header-name | dre-repository-component-header-date |
dre-repository-component-header-size | dre-repository-component-footer |
dre-repository-component-name | dre-repository-component-debugart-entry |
dre-repository-component-debugart-entry-name |
dre-repository-component-debugart-entry-date |
dre-repository-component-debugart-entry-size | dre-log-information)*>

<!ELEMENT dre-repository-component-debugart-entry (#PCDATA)>

<!ELEMENT dre-repository-component-debugart-entry-date (#PCDATA)>

<!ELEMENT dre-repository-component-debugart-entry-name (#PCDATA)>

<!ELEMENT dre-repository-component-debugart-entry-size (#PCDATA)>

<!ELEMENT dre-repository-component-footer (#PCDATA)>

<!ELEMENT dre-repository-component-header (#PCDATA)>

<!ELEMENT dre-repository-component-header-date (#PCDATA)>

<!ELEMENT dre-repository-component-header-name (#PCDATA)>

<!ELEMENT dre-repository-component-header-size (#PCDATA)>

```

```
<!ELEMENT dre-repository-component-name (#PCDATA)>

<!ELEMENT dre-repository-component-title (#PCDATA)>

<!ELEMENT dre-repository-content (dre-repository-content-header |
dre-repository-content-entry | dre-repository-content-footer)*>

<!ELEMENT dre-repository-content-entry (#PCDATA)>

<!ELEMENT dre-repository-content-footer (#PCDATA)>

<!ELEMENT dre-repository-content-header (#PCDATA)>

<!ELEMENT dre-repository-entry (#PCDATA)>

<!ELEMENT dre-repository-entry-count (#PCDATA)>

<!ELEMENT dre-repository-entry-model (#PCDATA)>

<!ELEMENT dre-repository-entry-name (#PCDATA)>

<!ELEMENT dre-repository-entry-usage (#PCDATA)>

<!ELEMENT dre-repository-footer (#PCDATA)>

<!ELEMENT dre-repository-footer-string (#PCDATA)>

<!ELEMENT dre-repository-footer-value (#PCDATA)>

<!ELEMENT dre-repository-header (#PCDATA)>

<!ELEMENT dre-repository-header-count (#PCDATA)>

<!ELEMENT dre-repository-header-model (#PCDATA)>

<!ELEMENT dre-repository-header-name (#PCDATA)>

<!ELEMENT dre-repository-header-usage (#PCDATA)>

<!ELEMENT dre-repository-status (#PCDATA)>

<!ELEMENT dre-repository-title (#PCDATA)>

<!ELEMENT edit-path (#PCDATA)>

<!ELEMENT encoding (#PCDATA)>

<!ELEMENT end-session EMPTY>

<!ELEMENT error (parse | source-daemon | filename | line-number | column | token
| edit-path | statement | message)*>

<!ELEMENT error-info (bad-attribute | bad-element)*>

<!ELEMENT error-message (#PCDATA)>

<!ELEMENT error-path (#PCDATA)>

<!ELEMENT error-severity (#PCDATA)>
```

```
<!ELEMENT error-tag (#PCDATA)>

<!ELEMENT error-type (#PCDATA)>

<!ELEMENT exclusive EMPTY>

<!ELEMENT facility (#PCDATA)>

<!ELEMENT facility-tag (name)*>

<!ELEMENT facility-tag-list (facility-tag)*>

<!ELEMENT file-checksum (input-file | computation-method | checksum)*>

<!ELEMENT file-content (#PCDATA)>
<!-- ATTLIST file-content junos:seconds CDATA #IMPLIED -->
<!-- ATTLIST file-content filename CDATA #IMPLIED -->
<!-- ATTLIST file-content filesize CDATA #IMPLIED -->
<!-- ATTLIST file-content encoding CDATA #IMPLIED -->

<!ELEMENT file-date (#PCDATA)>

<!ELEMENT file-directory EMPTY>

<!ELEMENT file-executable EMPTY>

<!ELEMENT file-get (filename | encoding)*>

<!ELEMENT file-get-results (success)*>

<!ELEMENT file-group (#PCDATA)>

<!-- ELEMENT file-information (file-permissions | file-links | file-owner | file-group
| file-size | file-date | file-name | file-executable | file-directory |
file-symlink | file-symlink-target)* -->

<!ELEMENT file-links (#PCDATA)>

<!-- ELEMENT file-list (#PCDATA)* -->
<!-- ATTLIST file-list junos:style CDATA #IMPLIED -->

<!ELEMENT file-name (#PCDATA)>

<!ELEMENT file-owner (#PCDATA)>

<!ELEMENT file-permissions (#PCDATA)>

<!-- ELEMENT file-put-results (success | filename)* -->

<!ELEMENT file-size (#PCDATA)>

<!ELEMENT file-symlink EMPTY>

<!-- ELEMENT file-symlink-target (#PCDATA) -->

<!ELEMENT filename (#PCDATA)>

<!-- ELEMENT filesystem (filesystem-name | total-blocks | used-blocks |
available-blocks | used-percent | mounted-on)* -->

<!-- ELEMENT filesystem-name (#PCDATA) -->
```

```
<!ELEMENT fips EMPTY>

<!ELEMENT fork-average-pages-per-fork (#PCDATA)>

<!ELEMENT fork-calls (#PCDATA)>

<!ELEMENT fork-pages (#PCDATA)>

<!ELEMENT fork-stat (#PCDATA)>

<!ELEMENT free (#PCDATA)>

<!ELEMENT from (#PCDATA)>

<!ELEMENT hardware-model (#PCDATA)>

<!ELEMENT high-use (#PCDATA)>

<!ELEMENT host (#PCDATA)>

<!ELEMENT host-name (#PCDATA)>

<!ELEMENT host-name-entry (host | ip-address-list | resolution-error |
last-change)*>

<!ELEMENT host-name-list (host-name-entry)*>

<!ELEMENT id (#PCDATA)>

<!ELEMENT idle-time (#PCDATA)>
<ATTLIST idle-time junos:seconds CDATA #IMPLIED>
<ATTLIST idle-time junos:seconds CDATA #IMPLIED>

<!ELEMENT inform (message | source-daemon)*>

<!ELEMENT input-file (#PCDATA)>

<!ELEMENT install-in-progress EMPTY>

<!ELEMENT install-needs-reboot EMPTY>

<!ELEMENT intr-cnt (#PCDATA)>

<!ELEMENT intr-name (#PCDATA)>

<!ELEMENT intr-rate (#PCDATA)>

<!ELEMENT inuse (#PCDATA)>

<!ELEMENT invalid-choice EMPTY>

<!ELEMENT ip-address (#PCDATA)>

<!ELEMENT ip-address-list (ip-address)*>

<!ELEMENT jsr EMPTY>

<!ELEMENT kernel-thrds (#PCDATA)>

<!ELEMENT kmd-name (#PCDATA)>
```



```
<!ELEMENT last-change (#PCDATA)>

<!ELEMENT last-configured-time (date-time | time-length | user)*>

<!ELEMENT last-update (#PCDATA)>

<!ELEMENT line-number (#PCDATA)>

<!ELEMENT load-average-1 (#PCDATA)>

<!ELEMENT load-average-15 (#PCDATA)>

<!ELEMENT load-average-5 (#PCDATA)>

<!ELEMENT load-configuration-results (load-error-count | load-success |
diff-error-count | rollback-success)*>

<!ELEMENT load-error-count (#PCDATA)>

<!ELEMENT load-success EMPTY>

<!ELEMENT log (#PCDATA)>

<!ELEMENT login-lockout-end-time (#PCDATA)>

<!ELEMENT login-lockout-start-time (#PCDATA)>

<!ELEMENT login-lockout-user (#PCDATA)>

<!ELEMENT login-lockout-user-entry (login-lockout-user | login-lockout-start-time
| login-lockout-end-time)*>

<!ELEMENT login-lockout-users-table (login-lockout-user-entry)*>

<!ELEMENT login-name (#PCDATA)>

<!ELEMENT login-time (#PCDATA)>
<ATTLIST login-time junos:seconds CDATA #IMPLIED>

<!ELEMENT logout-user (logout-user-message)*>
<ATTLIST logout-user junos:style CDATA #IMPLIED>

<!ELEMENT logout-user-message (#PCDATA)>

<!ELEMENT major (#PCDATA)>

<!ELEMENT memstat-name (#PCDATA)>

<!ELEMENT memstat-req (#PCDATA)>

<!ELEMENT memstat-size (#PCDATA)>

<!ELEMENT memuse (#PCDATA)>

<!ELEMENT message (#PCDATA)>

<!ELEMENT minor (#PCDATA)>

<!ELEMENT mount-point (#PCDATA)>
```

```
<!ELEMENT mounted-on (#PCDATA)>

<!ELEMENT multi-kmd-result (kmd-name)*>

<!ELEMENT multi-routing-engine-item (re-name | directory-usage-information |
output | software-information | system-storage-information |
system-users-information | system-uptime-information)*>

<!ELEMENT multi-routing-engine-results (multi-routing-engine-item)*>

<!ELEMENT name (#PCDATA)>

<!ELEMENT name-resolution-info (last-update | refresh-interval | host-name-list)*>

<!ELEMENT negative-cache-hits (#PCDATA)>

<!ELEMENT no-login-lockout EMPTY>

<!ELEMENT no-login-lockout-user EMPTY>

<!ELEMENT no-security-alarms-active EMPTY>

<!ELEMENT no-security-alarms-cleared EMPTY>

<!ELEMENT no-security-alarms-returned EMPTY>

<!ELEMENT no-security-events EMPTY>

<!ELEMENT no-security-events-active (#PCDATA)>

<!ELEMENT no-security-events-cleared EMPTY>

<!ELEMENT no-security-events-returned EMPTY>

<!ELEMENT node-information (path | type | range-low | range-high | allow-no |
choices)*>

<!ELEMENT ok EMPTY>

<!ELEMENT os-name (#PCDATA)>

<!ELEMENT os-version (#PCDATA)>

<!ELEMENT output (#PCDATA)>

<!ELEMENT package (package-name | package-version)*>

<!ELEMENT package-backup (file-name | file-size)*>

<!ELEMENT package-backup-information (package-backup)*>

<!ELEMENT package-information (name | comment | version)*>

<!ELEMENT package-name (#PCDATA)>

<!ELEMENT package-version (#PCDATA)>

<!ELEMENT page-daemon-examined-pages (#PCDATA)>

<!ELEMENT page-daemon-wakeup (#PCDATA)>
```

```
<!ELEMENT pages-active (#PCDATA)>
<!ELEMENT pages-affected-by-fork (#PCDATA)>
<!ELEMENT pages-affected-by-kernel-thrd-creat (#PCDATA)>
<!ELEMENT pages-affected-by-rfork (#PCDATA)>
<!ELEMENT pages-affected-by-vfork (#PCDATA)>
<!ELEMENT pages-free (#PCDATA)>
<!ELEMENT pages-freed (#PCDATA)>
<!ELEMENT pages-freed-by-daemon (#PCDATA)>
<!ELEMENT pages-freed-by-exiting-proc (#PCDATA)>
<!ELEMENT pages-in-vm-cache (#PCDATA)>
<!ELEMENT pages-inactive (#PCDATA)>
<!ELEMENT pages-reactivated (#PCDATA)>
<!ELEMENT pages-wired-down (#PCDATA)>
<!ELEMENT parse EMPTY>
<!ELEMENT partition (#PCDATA)>
<!ELEMENT partition-information (partition | mount-point | partition-size |
snapshot-argument)*>
<!ELEMENT partition-size (#PCDATA)>
<!ELEMENT partitions (boot-media-name | boot-media | active-partition |
backup-partition | boot-partition | booted-from)*>
<!ELEMENT pass2 (#PCDATA)>
<!ELEMENT patch-noise (#PCDATA)>
<!ELEMENT path (#PCDATA)>
<!ELEMENT peak-swap-pages-used (#PCDATA)>
<!ELEMENT pending-commit (user | client | date-time | log)*>
<!ELEMENT percent-complete (#PCDATA)>
<!ELEMENT permission-type (#PCDATA)>
<!ELEMENT permission-type-help (#PCDATA)>
<!ELEMENT pid (#PCDATA)>
<!ELEMENT positive-cache-hits (#PCDATA)>
<!ELEMENT process (name | pid)*>
<!ELEMENT process-disabled EMPTY>
```

```
<!ELEMENT process-entry (#PCDATA)*>

<!ELEMENT process-name (#PCDATA)>

<!ELEMENT process-not-configured EMPTY>

<!ELEMENT process-not-running EMPTY>

<!ELEMENT process-table (process-entry)*>

<!ELEMENT product-model (#PCDATA)>

<!ELEMENT product-name (#PCDATA)>

<!ELEMENT progress-indicator (timestamp | percent-complete | message)*>

<!ELEMENT protocols-started-time (date-time | time-length)*>

<!ELEMENT pull-configuration-results (filename | pull-configuration-success)*>

<!ELEMENT pull-configuration-success EMPTY>

<!ELEMENT range-high (#PCDATA)>

<!ELEMENT range-low (#PCDATA)>

<!ELEMENT re-name (#PCDATA)>

<!ELEMENT reason (daemon | process-not-configured | process-disabled |
process-not-running)*>

<!ELEMENT refresh-interval (#PCDATA)>

<!ELEMENT release (#PCDATA)>

<!ELEMENT release-category (#PCDATA)>

<!ELEMENT rescue-configuration (user | client | date-time | comment | log)*>

<!ELEMENT rescue-information (load-configuration-results)*>

<!ELEMENT rescue-management-results (routing-engine)*>

<!ELEMENT resolution-error (#PCDATA)>

<!ELEMENT reverse-connection (reverse-since | reverse-method)*>

<!ELEMENT reverse-method (#PCDATA)>

<!ELEMENT reverse-since (#PCDATA)>
<ATTLIST reverse-since junos:seconds CDATA #IMPLIED>

<!ELEMENT rfork-average-pages-per-rfork (#PCDATA)>

<!ELEMENT rfork-calls (#PCDATA)>

<!ELEMENT rfork-pages (#PCDATA)>

<!ELEMENT rfork-stat (#PCDATA)>
```

```

<!ELEMENT rollback-information (load-configuration-results)*>

<!ELEMENT rollback-success EMPTY>

<!ELEMENT routing-engine (name | success | commit-check-success | commit-success)*>
<!ATTLIST routing-engine junos:style CDATA #IMPLIED>

<!ELEMENT rpc-error (error-type | error-tag | error-severity | error-path |
error-message | error-info)*>

<!ELEMENT rpc-reply (ok)*>

<!ELEMENT sdk-version (major | minor)*>

<!ELEMENT security-alarm (security-alarm-id | security-alarm-time |
security-alarm-type | security-alarm-message | process | severity)*>

<!ELEMENT security-alarm-id (#PCDATA)>

<!ELEMENT security-alarm-information (security-alarms-disabled |
no-security-alarms-active | no-security-alarms-returned | security-alarm)*>
<!ATTLIST security-alarm-information junos:style CDATA #IMPLIED>

<!ELEMENT security-alarm-message (#PCDATA)>

<!ELEMENT security-alarm-time (#PCDATA)>
<!ATTLIST security-alarm-time junos:seconds CDATA #IMPLIED>

<!ELEMENT security-alarm-type (#PCDATA)>

<!ELEMENT security-alarms-disabled EMPTY>

<!ELEMENT security-event (security-event-id | security-event-time |
security-event-message | process | severity | security-event-result |
security-event-username | security-event-interface-name | security-event-protocol
| security-event-destination-address | security-event-destination-port |
security-event-source-address | security-event-source-port)*>

<!ELEMENT security-event-destination-address (#PCDATA)>

<!ELEMENT security-event-destination-port (#PCDATA)>

<!ELEMENT security-event-id (#PCDATA)>

<!ELEMENT security-event-interface-name (#PCDATA)>

<!ELEMENT security-event-message (#PCDATA)>

<!ELEMENT security-event-protocol (#PCDATA)>

<!ELEMENT security-event-result (#PCDATA)>

<!ELEMENT security-event-source-address (#PCDATA)>

<!ELEMENT security-event-source-port (#PCDATA)>

<!ELEMENT security-event-time (#PCDATA)>
<!ATTLIST security-event-time junos:seconds CDATA #IMPLIED>

<!ELEMENT security-event-username (#PCDATA)>

```

```
<!ELEMENT security-log-information (security-logs-disabled | no-security-events
| no-security-events-returned | security-event)*>
<!ATTLIST security-log-information junos:style CDATA #IMPLIED>

<!ELEMENT security-logs-disabled EMPTY>

<!ELEMENT sequence-number (#PCDATA)>

<!ELEMENT serial-number (#PCDATA)>

<!ELEMENT service-interface (#PCDATA)>

<!ELEMENT severity (#PCDATA)>

<!ELEMENT signal-description (#PCDATA)>

<!ELEMENT signal-number (#PCDATA)>

<!ELEMENT snapshot-argument (#PCDATA)>

<!ELEMENT snapshot-copy (source-directory | destination-directory)*>

<!ELEMENT snapshot-information (inform | snapshot-copy | archived-directory-list
| snapshot-partitions | snapshot-medium | creation-date | software-version)*>

<!ELEMENT snapshot-medium (#PCDATA)>

<!ELEMENT snapshot-partitions (partition-information)*>

<!ELEMENT soft-intr (#PCDATA)>

<!ELEMENT software-information (host-name | product-model | product-name | jsr |
fips | package-information | version-information)*>

<!ELEMENT software-installation-status (install-in-progress |
install-needs-reboot)*>

<!ELEMENT software-version (package)*>

<!ELEMENT source-daemon (#PCDATA)>

<!ELEMENT source-directory (#PCDATA)>

<!ELEMENT spin (#PCDATA)>

<!ELEMENT stack-trace (#PCDATA)>

<!ELEMENT start-time (#PCDATA)>
<!ATTLIST start-time junos:seconds CDATA #IMPLIED>

<!ELEMENT statement (#PCDATA)>

<!ELEMENT storage-partitions-information (partition | partition-size |
mount-point)*>

<!ELEMENT success EMPTY>

<!ELEMENT swap-pagedin (#PCDATA)>

<!ELEMENT swap-pagedout (#PCDATA)>
```

```

<!ELEMENT swap-pageins (#PCDATA)>

<!ELEMENT swap-pageouts (#PCDATA)>

<!ELEMENT swap-pages-used (#PCDATA)>

<!ELEMENT sys-calls (#PCDATA)>

<!ELEMENT syslog (#PCDATA)>

<!ELEMENT syslog-events (syslog)*>

<!ELEMENT syslog-file-name (#PCDATA)>

<!ELEMENT syslog-files (syslog-file-name)*>

<!ELEMENT syslog-tag (name | message | type | severity | facility | deprecated |
cause | action)*>
<!ATTLIST syslog-tag junos:style CDATA #IMPLIED>

<!ELEMENT syslog-tag-information (syslog-tag)*>

<!ELEMENT syslog-tag-information-list (syslog-tag-information)*>

<!ELEMENT syslog-tag-list (syslog-tag)*>

<!ELEMENT system-booted-time (date-time | time-length)*>

<!ELEMENT system-information (host-name | os-name | hardware-model | os-version
| serial-number | virtual-chassis | cluster-node | package-information |
blade-server)*>

<!ELEMENT system-login-lockout-information (no-login-lockout |
no-login-lockout-user | login-lockout-users-table)*>

<!ELEMENT system-services-reverse-information (reverse-connection)*>

<!ELEMENT system-storage-cleanup-information (file-list | dre-repository-status
| dre-repository-content)*>

<!ELEMENT system-storage-information (filesystem)*>
<!ATTLIST system-storage-information junos:style CDATA #IMPLIED>

<!ELEMENT system-storage-partitions-information (partitions |
storage-partitions-information)*>

<!ELEMENT system-uptime-information (last-configured-time | current-time |
system-booted-time | protocols-started-time | uptime-information)*>

<!ELEMENT system-users-information (uptime-information | web-management-users)*>

<!ELEMENT system-virtual-memory-information (vmstat-memstat-malloc |
vmstat-memstat-zone | vmstat-intr | vmstat-sumstat | vm-kernel-state |
vmstat-fork-stat | vmstat-times)*>

<!ELEMENT terminal (#PCDATA)>

<!ELEMENT time-length (#PCDATA)>
<!ATTLIST time-length junos:seconds CDATA #IMPLIED>

<!ELEMENT timestamp (#PCDATA)>

```

```
<!ELEMENT tip (content)*>

<!ELEMENT token (#PCDATA)>

<!ELEMENT toolong (#PCDATA)>

<!ELEMENT total-blocks (#PCDATA)>
<!ATTLIST total-blocks junos:format CDATA #IMPLIED>

<!ELEMENT total-file-blocks (#PCDATA)>

<!ELEMENT total-name-lookups (#PCDATA)>

<!ELEMENT total-vm-faults (#PCDATA)>

<!ELEMENT transit-blocking-page-faults (#PCDATA)>

<!ELEMENT traps (#PCDATA)>

<!ELEMENT tty (#PCDATA)>

<!ELEMENT type (#PCDATA)>

<!ELEMENT up-time (#PCDATA)>
<!ATTLIST up-time junos:seconds CDATA #IMPLIED>

<!ELEMENT uptime-information (date-time | up-time | active-user-count |
load-average-1 | load-average-5 | load-average-15 | user-table)*>

<!ELEMENT used (#PCDATA)>

<!ELEMENT used-blocks (#PCDATA)>
<!ATTLIST used-blocks junos:format CDATA #IMPLIED>

<!ELEMENT used-percent (#PCDATA)>

<!ELEMENT used-space (#PCDATA)>
<!ATTLIST used-space used-blocks CDATA #IMPLIED>

<!ELEMENT user (#PCDATA)>

<!ELEMENT user-class (#PCDATA)>

<!ELEMENT user-entry (user | tty | from | login-time | idle-time)*>

<!ELEMENT user-information (user | login-name | user-class)*>

<!ELEMENT user-permission-entry (permission-type | permission-type-help)*>

<!ELEMENT user-permission-list (user-permission-entry)*>

<!ELEMENT user-table (user-entry | process-table)*>

<!ELEMENT version (#PCDATA)>

<!ELEMENT version-info-list (source-daemon | version-information)*>

<!ELEMENT version-information (component | service-interface | major | minor |
release-category | build-number | spin | builder | build-date)*>
```



```

<!ELEMENT vfork-average-pages-per-vfork (#PCDATA)>

<!ELEMENT vfork-calls (#PCDATA)>

<!ELEMENT vfork-pages (#PCDATA)>

<!ELEMENT vfork-stat (#PCDATA)>

<!ELEMENT virtual-chassis EMPTY>

<!ELEMENT vm-kernel-state (vm-kmem-map-free)*>

<!ELEMENT vm-kmem-map-free (#PCDATA)>

<!ELEMENT vmstat-fork-stat (fork-stat | fork-pages | fork-average-pages-per-fork
| vfork-stat | vfork-pages | vfork-average-pages-per-vfork | rfork-stat |
rfork-pages | rfork-average-pages-per-rfork)*>

<!ELEMENT vmstat-intr (intr-name | intr-cnt | intr-rate)*>

<!ELEMENT vmstat-memstat-malloc (memstat-name | inuse | memuse | high-use |
memstat-req | memstat-size)*>

<!ELEMENT vmstat-memstat-zone (zone-name | zone-size | count-limit | used | free
| zone-req)*>

<!ELEMENT vmstat-sumstat (cpu-context-switch | dev-intr | soft-intr | traps |
sys-calls | kernel-thrds | fork-calls | vfork-calls | rfork-calls | swap-pageins
| swap-pagedin | swap-pageouts | swap-pagedout | vnode-pageins | vnode-pagedin
| vnode-pageouts | vnode-pagedout | page-daemon-wakeup | page-daemon-examined-pages
| pages-reactivated | copy-on-write-faults | copy-on-write-optimized-faults |
zero-fill-pages-zeroed | zero-fill-pages-prezeroed | transit-blocking-page-faults
| total-vm-faults | pages-affected-by-kernel-thrd-creat | pages-affected-by-fork
| pages-affected-by-vfork | pages-affected-by-rfork | pages-freed |
pages-freed-by-daemon | pages-freed-by-exiting-proc | pages-active | pages-inactive
| pages-in-vm-cache | pages-wired-down | pages-free | bytes-per-page |
swap-pages-used | peak-swap-pages-used | total-name-lookups | positive-cache-hits
| negative-cache-hits | pass2 | cache-deletions | cache-falsehits | toolong)*>

<!ELEMENT vmstat-times (vmstat-times-reclaims | vmstat-times-reclaims-total-time
| vmstat-times-average-time-to-reclaim | vmstat-times-pageins |
vmstat-times-pageins-total-time | vmstat-times-average-time-to-pageins)*>

<!ELEMENT vmstat-times-average-time-to-pageins (#PCDATA)>

<!ELEMENT vmstat-times-average-time-to-reclaim (#PCDATA)>

<!ELEMENT vmstat-times-pageins (#PCDATA)>

<!ELEMENT vmstat-times-pageins-total-time (#PCDATA)>

<!ELEMENT vmstat-times-reclaims (#PCDATA)>

<!ELEMENT vmstat-times-reclaims-total-time (#PCDATA)>

<!ELEMENT vnode-pagedin (#PCDATA)>

<!ELEMENT vnode-pagedout (#PCDATA)>

<!ELEMENT vnode-pageins (#PCDATA)>

```

```
<!ELEMENT vnode-pageouts (#PCDATA)>

<!ELEMENT warning (source-daemon | filename | line-number | column | token |
edit-path | statement | message)*>

<!ELEMENT web-management-user (user | tty | from | login-time | idle-time)*>

<!ELEMENT web-management-users (web-management-user)*>

<!ELEMENT xnm:error (parse | source-daemon | filename | line-number | column |
token | edit-path | statement | message | database-status-information | reason)*>

<!ELEMENT xnm:warning (source-daemon | filename | line-number | column | token |
edit-path | statement | message | reason)*>

<!ELEMENT zero-fill-pages-prezeroed (#PCDATA)>

<!ELEMENT zero-fill-pages-zeroed (#PCDATA)>

<!ELEMENT zone-name (#PCDATA)>

<!ELEMENT zone-req (#PCDATA)>

<!ELEMENT zone-size (#PCDATA)>
```

# DTD for Database Replication Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-database-replication.dtd`, which lists the Junos XML tags that contain information about database replication. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-database-replication.dtd -->

<!ELEMENT database-replication-statistics-information (dropped-connections-total
| max-buffer-count | msg-received-bytes | msgs-received-total | msg-sent-bytes
| msgs-sent-total | queue-full-total | queue-max-size)*>

<!ELEMENT database-replication-summary-information
(replication-graceful-restart-type | replication-mastership-type |
replication-connection-type | replication-database-type | replication-queue-type)*>

<!ELEMENT dropped-connections-total (#PCDATA)>

<!ELEMENT max-buffer-count (#PCDATA)>

<!ELEMENT msg-received-bytes (#PCDATA)>

<!ELEMENT msg-sent-bytes (#PCDATA)>

<!ELEMENT msgs-received-total (#PCDATA)>

<!ELEMENT msgs-sent-total (#PCDATA)>

<!ELEMENT queue-full-total (#PCDATA)>

<!ELEMENT queue-max-size (#PCDATA)>

<!ELEMENT replication-connection-type (#PCDATA)>

<!ELEMENT replication-database-type (#PCDATA)>

<!ELEMENT replication-graceful-restart-type (#PCDATA)>

<!ELEMENT replication-mastership-type (#PCDATA)>
```

<!ELEMENT replication-queue-type (#PCDATA)>

## CHAPTER 32

# DTD for DCD Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `dtd\junos-dcd.dtd`, which lists the Junos XML tags that contain information about Junos OS DCD. To review reference pages for the tags, see .

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-dcd.dtd -->

<!ELEMENT bundle-information (bundle-name | redundancy-mode |
n-distribution-interfaces | row)*>

<!ELEMENT bundle-name (#PCDATA)>

<!ELEMENT interface-name (#PCDATA)>

<!ELEMENT link-status (#PCDATA)>

<!ELEMENT n-backup-distributions (#PCDATA)>

<!ELEMENT n-distribution-interfaces (#PCDATA)>

<!ELEMENT n-primary-distributions (#PCDATA)>

<!ELEMENT physical-intf-name (#PCDATA)>

<!ELEMENT rebalance-interface (rebalance-operation-status)*>

<!ELEMENT rebalance-operation-status (interface-name)*>

<!ELEMENT redundancy-mode (#PCDATA)>

<!ELEMENT row (physical-intf-name | link-status | n-primary-distributions |
n-backup-distributions)*>

<!ELEMENT targeting-information (bundle-information)*>
```



## CHAPTER 33

# DTD for Dynamic Flow Capture Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-dfc.dtd`, which lists the Junos XML tags that contain information about dynamic flow capture. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-dfc.dtd -->

<!ELEMENT active-criteria (#PCDATA)>

<!ELEMENT active-criteria-dynamic (#PCDATA)>

<!ELEMENT active-criteria-static (#PCDATA)>

<!ELEMENT add-request-peak-rate (#PCDATA)>

<!ELEMENT add-request-rate (#PCDATA)>

<!ELEMENT average-bandwidth (#PCDATA)>

<!ELEMENT bandwidth (#PCDATA)>

<!ELEMENT bandwidth-all (#PCDATA)>

<!ELEMENT capture-group-id (#PCDATA)>

<!ELEMENT congestion-notifications (#PCDATA)>

<!ELEMENT content-destination-id (#PCDATA)>

<!ELEMENT content-destination-information (capture-group-id |
content-destination-id | criteria | bandwidth | average-bandwidth | matched-packets
| matched-bytes | dropped-packets | congestion-notifications)*>
<ATTLIST content-destination-information junos:style CDATA #IMPLIED>

<!ELEMENT control-protocol-requests (#PCDATA)>

<!ELEMENT control-protocol-requests-add (#PCDATA)>

<!ELEMENT control-protocol-requests-add-failed (#PCDATA)>
```

```
<!ELEMENT control-protocol-requests-delete (#PCDATA)>

<!ELEMENT control-protocol-requests-delete-failed (#PCDATA)>

<!ELEMENT control-protocol-requests-list (#PCDATA)>

<!ELEMENT control-protocol-requests-list-failed (#PCDATA)>

<!ELEMENT control-protocol-requests-noop (#PCDATA)>

<!ELEMENT control-protocol-requests-noop-failed (#PCDATA)>

<!ELEMENT control-protocol-requests-refresh (#PCDATA)>

<!ELEMENT control-protocol-requests-refresh-failed (#PCDATA)>

<!ELEMENT control-source-id (#PCDATA)>

<!ELEMENT control-source-information (capture-group-id | control-source-id |
criteria-added | criteria-add-failed | active-criteria | active-criteria-static
| active-criteria-dynamic | control-protocol-requests |
control-protocol-requests-add | control-protocol-requests-delete |
control-protocol-requests-list | control-protocol-requests-refresh |
control-protocol-requests-noop | control-protocol-requests-add-failed |
control-protocol-requests-delete-failed | control-protocol-requests-list-failed
| control-protocol-requests-refresh-failed | control-protocol-requests-noop-failed
| add-request-rate | add-request-peak-rate | bandwidth-all | notifications |
notifications-restart | notifications-rollover | notifications-noop |
notifications-timeout | notifications-congestion | notifications-congestion-delete
| notifications-dups-dropped | criteria-deleted | criteria-deleted-timeout-idle
| criteria-deleted-timeout-total | criteria-deleted-packets |
criteria-deleted-bytes | sequence-number)*>
<!ATTLIST control-source-information junos:style CDATA #IMPLIED>

<!ELEMENT criteria (#PCDATA)>

<!ELEMENT criteria-add-failed (#PCDATA)>

<!ELEMENT criteria-added (#PCDATA)>

<!ELEMENT criteria-deleted (#PCDATA)>

<!ELEMENT criteria-deleted-bytes (#PCDATA)>

<!ELEMENT criteria-deleted-packets (#PCDATA)>

<!ELEMENT criteria-deleted-timeout-idle (#PCDATA)>

<!ELEMENT criteria-deleted-timeout-total (#PCDATA)>

<!ELEMENT dfc-information (control-source-information |
content-destination-information | dfc-statistics-information)*>

<!ELEMENT dfc-statistics-information (capture-group-id |
input-packets-control-protocol | input-packets-cap-data | input-packets-control-iri
| input-packets-control-protocol-not-ip | input-packets-control-protocol-not-udp
| input-packets-control-protocol-invalid-dest-ip |
input-packets-control-protocol-drop-other |
input-packets-control-protocol-drop-no-memory |
input-packets-control-protocol-drop-unauthorized |
input-packets-control-protocol-drop-bad-req |
```



```

input-packets-control-protocol-drop-unknown-control-source |
input-packets-control-protocol-drop-not-dtcp |
input-packets-control-protocol-drop-bad-cmdline |
input-packets-control-protocol-drop-bandwidth-exceeded |
input-packets-control-protocol-drop-rate-bandwidth-exceeded |
input-packets-drop-unknown | input-packets-drop-cap-data-not-ipv4 |
input-packets-drop-cap-data-too-small | input-packets-drop-cap-data-drop |
input-packets-drop-cap-data-nomatch | input-packets-drop-bandwidth-exceeded |
input-packets-drop-rate-bandwidth-exceeded | output-packets-control-protocol |
output-packets-cap-data | output-packets-drop-control-protocol |
output-packets-drop-cap-data | flowstats-active-cache-entries-count |
flowstats-active-cache-usage-percentage | flowstats-cache-entries-allocated |
flowstats-control-source-count | flowstats-content-destination-count |
flowstats-criteria-count | flowstats-maximum-criteria-matching-flow |
flowstats-purged-flows | flowstats-maximum-filter-matching-packet)*>

<!ELEMENT dropped-packets (#PCDATA)>

<!ELEMENT flowstats-active-cache-entries-count (#PCDATA)>

<!ELEMENT flowstats-active-cache-usage-percentage (#PCDATA)>

<!ELEMENT flowstats-cache-entries-allocated (#PCDATA)>

<!ELEMENT flowstats-content-destination-count (#PCDATA)>

<!ELEMENT flowstats-control-source-count (#PCDATA)>

<!ELEMENT flowstats-criteria-count (#PCDATA)>

<!ELEMENT flowstats-maximum-criteria-matching-flow (#PCDATA)>

<!ELEMENT flowstats-maximum-filter-matching-packet (#PCDATA)>

<!ELEMENT flowstats-purged-flows (#PCDATA)>

<!ELEMENT input-packets-cap-data (#PCDATA)>

<!ELEMENT input-packets-control-iri (#PCDATA)>

<!ELEMENT input-packets-control-protocol (#PCDATA)>

<!ELEMENT input-packets-control-protocol-drop-bad-cmdline (#PCDATA)>

<!ELEMENT input-packets-control-protocol-drop-bad-req (#PCDATA)>

<!ELEMENT input-packets-control-protocol-drop-bandwidth-exceeded (#PCDATA)>

<!ELEMENT input-packets-control-protocol-drop-no-memory (#PCDATA)>

<!ELEMENT input-packets-control-protocol-drop-not-dtcp (#PCDATA)>

<!ELEMENT input-packets-control-protocol-drop-other (#PCDATA)>

<!ELEMENT input-packets-control-protocol-drop-rate-bandwidth-exceeded (#PCDATA)>

<!ELEMENT input-packets-control-protocol-drop-unauthorized (#PCDATA)>

<!ELEMENT input-packets-control-protocol-drop-unknown-control-source (#PCDATA)>

<!ELEMENT input-packets-control-protocol-invalid-dest-ip (#PCDATA)>

```

```
<!ELEMENT input-packets-control-protocol-not-ip (#PCDATA)>
<!ELEMENT input-packets-control-protocol-not-udp (#PCDATA)>
<!ELEMENT input-packets-drop-bandwidth-exceeded (#PCDATA)>
<!ELEMENT input-packets-drop-cap-data-drop (#PCDATA)>
<!ELEMENT input-packets-drop-cap-data-nomatch (#PCDATA)>
<!ELEMENT input-packets-drop-cap-data-not-ipv4 (#PCDATA)>
<!ELEMENT input-packets-drop-cap-data-too-small (#PCDATA)>
<!ELEMENT input-packets-drop-rate-bandwidth-exceeded (#PCDATA)>
<!ELEMENT input-packets-drop-unknown (#PCDATA)>
<!ELEMENT matched-bytes (#PCDATA)>
<!ELEMENT matched-packets (#PCDATA)>
<!ELEMENT notifications (#PCDATA)>
<!ELEMENT notifications-congestion (#PCDATA)>
<!ELEMENT notifications-congestion-delete (#PCDATA)>
<!ELEMENT notifications-dups-dropped (#PCDATA)>
<!ELEMENT notifications-noop (#PCDATA)>
<!ELEMENT notifications-restart (#PCDATA)>
<!ELEMENT notifications-rollover (#PCDATA)>
<!ELEMENT notifications-timeout (#PCDATA)>
<!ELEMENT output-packets-cap-data (#PCDATA)>
<!ELEMENT output-packets-control-protocol (#PCDATA)>
<!ELEMENT output-packets-drop-cap-data (#PCDATA)>
<!ELEMENT output-packets-drop-control-protocol (#PCDATA)>
<!ELEMENT sequence-number (#PCDATA)>
```

# DTD for DHCP Relay Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-dhcp-relay.dtd`, which lists the Junos XML tags that contain information about DHCP relay. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-dhcp-relay.dtd -->

<!ELEMENT allocated-address (#PCDATA)>

<!ELEMENT alt-client-id (#PCDATA)>

<!ELEMENT alt-client-id-len (#PCDATA)>

<!ELEMENT antispoof-filter-action (#PCDATA)>

<!ELEMENT antispoof-filter-flags (#PCDATA)>

<!ELEMENT antispoof-filter-name (#PCDATA)>

<!ELEMENT antispoof-filter-owner (#PCDATA)>

<!ELEMENT antispoof-filter-parent (#PCDATA)>

<!ELEMENT antispoof-filter-state (#PCDATA)>

<!ELEMENT antispoof-filter-term-id (#PCDATA)>

<!ELEMENT antispoof-filter-type (#PCDATA)>

<!ELEMENT auth-client-limit (#PCDATA)>

<!ELEMENT auth-relay-server-group (#PCDATA)>

<!ELEMENT authentication-num-servers (#PCDATA)>

<!ELEMENT binding-count (#PCDATA)>

<!ELEMENT binding-summary (binding-count | init-count | bound-count |
selecting-count | requesting-count | renewing-count | rebinding-count |
releasing-count | restore-count)*>

<!ELEMENT bootp-relay-address (#PCDATA)>
```

```

<!ELEMENT bound-count (#PCDATA)>

<!ELEMENT bridge-domain (#PCDATA)>

<!ELEMENT client-duid (#PCDATA)>

<!ELEMENT client-id (#PCDATA)>

<!ELEMENT client-id-len (#PCDATA)>

<!ELEMENT client-info (#PCDATA)>

<!ELEMENT client-option-data (#PCDATA)>

<!ELEMENT client-option-len (#PCDATA)>

<!ELEMENT client-option-type (#PCDATA)>

<!ELEMENT client-stale-count (#PCDATA)>

<!ELEMENT demux-interface-name (#PCDATA)>

<!ELEMENT dhcp-binding (allocated-address | mac-address | lease-expires |
lease-start-time | lease-end-time | lease-state | interface-name | vlan-id |
svlan-id | demux-interface-name | server-ip-address | server-interface-name |
bootp-relay-address | previous-bootp-relay-address | session-id | pool-name |
profile-name | dhcp-lease-binding-type | client-id-len | client-id |
alt-client-id-len | alt-client-id | client-option-type | client-option-len |
client-option-data | option-82-length-from-client | option-82-data-from-client |
hardware-type | logical-system-routing-instance | bridge-domain | client-info |
retail-logical-system-routing-instance | retail-bridge-domain |
wholesale-logical-system-routing-instance | wholesale-bridge-domain |
antispoof-filter-name | antispoof-filter-flags | antispoof-filter-state |
antispoof-filter-type | antispoof-filter-term-id | antispoof-filter-action |
antispoof-filter-parent | antispoof-filter-owner | authentication-num-servers |
client-stale-count | auth-client-limit | auth-relay-server-group)*>

<!ELEMENT dhcp-lease-binding-type (#PCDATA)>

<!ELEMENT dhcp-relay-binding-information (binding-summary | dhcp-binding)*>
<!ATTLIST dhcp-relay-binding-information junos:style CDATA #IMPLIED>

<!ELEMENT dhcp-relay-statistics-information (dropped-packet-total |
dropped-packet-bad-hardware | dropped-packet-bootp-packet |
dropped-packet-bad-bootp-opcode | dropped-packet-bad-options |
dropped-packet-invalid-server-address | dropped-packet-no-addresses |
dropped-packet-no-interface-cfg | dropped-packet-no-local-address |
dropped-packet-too-short | dropped-packet-send-error | dropped-packet-option-60
| dropped-packet-option-82 | dropped-packet-authentication |
dropped-packet-dynamic-profile | dropped-packet-license |
dropped-packet-bad-dhcp-opcode | dropped-packet-no-options |
dropped-packet-hop-limit | dropped-packet-ttl-expired |
dropped-packet-bad-udp-checksum | dropped-packet-dhcp-service-total | message-table
| forwarded-packets-total | forwarded-bootrequest-packets |
forwarded-bootreply-packets)*>

<!ELEMENT dhcpv6-binding (allocated-address | client-duid | client-id-len |
client-id | alt-client-id-len | alt-client-id | lease-expires | lease-start-time
| lease-end-time | lease-state | interface-name | vlan-id | svlan-id |
demux-interface-name | server-ip-address | session-id | server-interface-name |

```

```

v6-relay-address | previous-v6-relay-address | pool-name | profile-name |
dhcpv6-server-id | dhcpv6-lease-binding-type | client-option-type | client-option-len
| client-option-data | option-18-length-from-client | option-18-data-from-client
| hardware-type | logical-system-routing-instance | bridge-domain |
authentication-num-servers | client-stale-count | auth-client-limit |
auth-relay-server-group)*>

<!ELEMENT dhcpv6-binding-count (#PCDATA)>

<!ELEMENT dhcpv6-binding-summary (dhcpv6-binding-count | dhcpv6-init-count |
dhcpv6-bound-count | dhcpv6-selecting-count | dhcpv6-requesting-count |
dhcpv6-renewing-count | dhcpv6-rebinding-count | dhcpv6-releasing-count |
dhcpv6-restore-count)*>

<!ELEMENT dhcpv6-bound-count (#PCDATA)>

<!ELEMENT dhcpv6-init-count (#PCDATA)>

<!ELEMENT dhcpv6-message (dhcpv6-message-name | dhcpv6-message-count)*>

<!ELEMENT dhcpv6-message-count (#PCDATA)>

<!ELEMENT dhcpv6-message-direction (#PCDATA)>

<!ELEMENT dhcpv6-message-name (#PCDATA)>

<!ELEMENT dhcpv6-message-table (dhcpv6-message-direction | dhcpv6-message)*>

<!ELEMENT dhcpv6-rebinding-count (#PCDATA)>

<!ELEMENT dhcpv6-relay-binding-information (dhcpv6-binding-summary |
dhcpv6-binding)*>
<!ATTLIST dhcpv6-relay-binding-information junos:style CDATA #IMPLIED>

<!ELEMENT dhcpv6-relay-statistics-information (v6-dropped-packet-total |
v6-dropped-packet-no-safd | v6-dropped-packet-bad-send |
v6-dropped-packet-short-packet | v6-dropped-packet-bad-msgtype |
v6-dropped-packet-bad-options | v6-dropped-packet-bad-srcaddress |
v6-dropped-packet-relay-hop-count | v6-dropped-packet-no-client-id |
v6-dropped-packet-strict-reconfigure | dhcpv6-message-table)*>

<!ELEMENT dhcpv6-releasing-count (#PCDATA)>

<!ELEMENT dhcpv6-renewing-count (#PCDATA)>

<!ELEMENT dhcpv6-requesting-count (#PCDATA)>

<!ELEMENT dhcpv6-restore-count (#PCDATA)>

<!ELEMENT dhcpv6-selecting-count (#PCDATA)>

<!ELEMENT dhcpv6-server-id (#PCDATA)>

<!ELEMENT dropped-packet-authentication (#PCDATA)>

<!ELEMENT dropped-packet-bad-bootp-opcode (#PCDATA)>

<!ELEMENT dropped-packet-bad-dhcp-opcode (#PCDATA)>

<!ELEMENT dropped-packet-bad-hardware (#PCDATA)>

```

```
<!ELEMENT dropped-packet-bad-options (#PCDATA)>
<!ELEMENT dropped-packet-bad-udp-checksum (#PCDATA)>
<!ELEMENT dropped-packet-bootp-packet (#PCDATA)>
<!ELEMENT dropped-packet-dhcp-service-total (#PCDATA)>
<!ELEMENT dropped-packet-dynamic-profile (#PCDATA)>
<!ELEMENT dropped-packet-hop-limit (#PCDATA)>
<!ELEMENT dropped-packet-invalid-server-address (#PCDATA)>
<!ELEMENT dropped-packet-license (#PCDATA)>
<!ELEMENT dropped-packet-no-addresses (#PCDATA)>
<!ELEMENT dropped-packet-no-interface-cfg (#PCDATA)>
<!ELEMENT dropped-packet-no-local-address (#PCDATA)>
<!ELEMENT dropped-packet-no-options (#PCDATA)>
<!ELEMENT dropped-packet-option-60 (#PCDATA)>
<!ELEMENT dropped-packet-option-82 (#PCDATA)>
<!ELEMENT dropped-packet-send-error (#PCDATA)>
<!ELEMENT dropped-packet-too-short (#PCDATA)>
<!ELEMENT dropped-packet-total (#PCDATA)>
<!ELEMENT dropped-packet-ttl-expired (#PCDATA)>
<!ELEMENT forwarded-bootreply-packets (#PCDATA)>
<!ELEMENT forwarded-bootrequest-packets (#PCDATA)>
<!ELEMENT forwarded-packets-total (#PCDATA)>
<!ELEMENT hardware-type (#PCDATA)>
<!ELEMENT init-count (#PCDATA)>
<!ELEMENT interface-name (#PCDATA)>
<!ELEMENT lease-end-time (#PCDATA)>
<!ATTLIST lease-end-time junos:seconds CDATA #IMPLIED>
<!ELEMENT lease-expires (#PCDATA)>
<!ELEMENT lease-start-time (#PCDATA)>
<!ATTLIST lease-start-time junos:seconds CDATA #IMPLIED>
<!ELEMENT lease-state (#PCDATA)>
<!ELEMENT logical-system-routing-instance (#PCDATA)>
<!ELEMENT mac-address (#PCDATA)>
```

```
<!ELEMENT message (message-name | message-count)*>
<!ELEMENT message-count (#PCDATA)>
<!ELEMENT message-direction (#PCDATA)>
<!ELEMENT message-name (#PCDATA)>
<!ELEMENT message-table (message-direction | message)*>
<!ELEMENT option-18-data-from-client (#PCDATA)>
<!ELEMENT option-18-length-from-client (#PCDATA)>
<!ELEMENT option-82-data-from-client (#PCDATA)>
<!ELEMENT option-82-length-from-client (#PCDATA)>
<!ELEMENT pool-name (#PCDATA)>
<!ELEMENT previous-bootp-relay-address (#PCDATA)>
<!ELEMENT previous-v6-relay-address (#PCDATA)>
<!ELEMENT profile-name (#PCDATA)>
<!ELEMENT rebinding-count (#PCDATA)>
<!ELEMENT releasing-count (#PCDATA)>
<!ELEMENT renewing-count (#PCDATA)>
<!ELEMENT requesting-count (#PCDATA)>
<!ELEMENT restore-count (#PCDATA)>
<!ELEMENT retail-bridge-domain (#PCDATA)>
<!ELEMENT retail-logical-system-routing-instance (#PCDATA)>
<!ELEMENT selecting-count (#PCDATA)>
<!ELEMENT server-interface-name (#PCDATA)>
<!ELEMENT server-ip-address (#PCDATA)>
<!ELEMENT session-id (#PCDATA)>
<!ELEMENT svlan-id (#PCDATA)>
<!ELEMENT v6-dropped-packet-bad-msgtype (#PCDATA)>
<!ELEMENT v6-dropped-packet-bad-options (#PCDATA)>
<!ELEMENT v6-dropped-packet-bad-send (#PCDATA)>
<!ELEMENT v6-dropped-packet-bad-srcaddress (#PCDATA)>
<!ELEMENT v6-dropped-packet-no-client-id (#PCDATA)>
```

```
<!ELEMENT v6-dropped-packet-no-safd (#PCDATA)>
<!ELEMENT v6-dropped-packet-relay-hop-count (#PCDATA)>
<!ELEMENT v6-dropped-packet-short-packet (#PCDATA)>
<!ELEMENT v6-dropped-packet-strict-reconfigure (#PCDATA)>
<!ELEMENT v6-dropped-packet-total (#PCDATA)>
<!ELEMENT v6-relay-address (#PCDATA)>
<!ELEMENT vlan-id (#PCDATA)>
<!ELEMENT wholesale-bridge-domain (#PCDATA)>
<!ELEMENT wholesale-logical-system-routing-instance (#PCDATA)>
```



## CHAPTER 35

# DTD for DHCP Server Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-dhcp-server.dtd`, which lists the Junos XML tags that contain information about DHCP server. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-dhcp-server.dtd -->

<!ELEMENT allocated-address (#PCDATA)>

<!ELEMENT alt-client-id (#PCDATA)>

<!ELEMENT alt-client-id-len (#PCDATA)>

<!ELEMENT antispoof-filter-action (#PCDATA)>

<!ELEMENT antispoof-filter-flags (#PCDATA)>

<!ELEMENT antispoof-filter-name (#PCDATA)>

<!ELEMENT antispoof-filter-owner (#PCDATA)>

<!ELEMENT antispoof-filter-parent (#PCDATA)>

<!ELEMENT antispoof-filter-state (#PCDATA)>

<!ELEMENT antispoof-filter-term-id (#PCDATA)>

<!ELEMENT antispoof-filter-type (#PCDATA)>

<!ELEMENT auth-client-limit (#PCDATA)>

<!ELEMENT auth-relay-server-group (#PCDATA)>

<!ELEMENT authentication-num-servers (#PCDATA)>

<!ELEMENT binding-count (#PCDATA)>

<!ELEMENT binding-summary (binding-count | init-count | bound-count |
selecting-count | requesting-count | renewing-count | releasing-count |
restore-count)*>

<!ELEMENT bootp-relay-address (#PCDATA)>
```

```

<!ELEMENT bound-count (#PCDATA)>

<!ELEMENT bridge-domain (#PCDATA)>

<!ELEMENT client-duid (#PCDATA)>

<!ELEMENT client-id (#PCDATA)>

<!ELEMENT client-id-len (#PCDATA)>

<!ELEMENT client-info (#PCDATA)>

<!ELEMENT client-option-data (#PCDATA)>

<!ELEMENT client-option-len (#PCDATA)>

<!ELEMENT client-option-type (#PCDATA)>

<!ELEMENT client-stale-count (#PCDATA)>

<!ELEMENT demux-interface-name (#PCDATA)>

<!ELEMENT dhcp-binding (allocated-address | mac-address | lease-expires |
lease-start-time | lease-end-time | lease-state | interface-name | vlan-id |
svlan-id | demux-interface-name | server-ip-address | bootp-relay-address |
previous-bootp-relay-address | session-id | pool-name | profile-name |
dhcp-lease-binding-type | client-id-len | client-id | alt-client-id-len |
alt-client-id | client-option-type | client-option-len | client-option-data |
option-82-length-from-client | option-82-data-from-client | hardware-type |
logical-system-routing-instance | bridge-domain | client-info |
retail-logical-system-routing-instance | retail-bridge-domain |
wholesale-logical-system-routing-instance | wholesale-bridge-domain |
antispoof-filter-name | antispoof-filter-flags | antispoof-filter-state |
antispoof-filter-type | antispoof-filter-term-id | antispoof-filter-action |
antispoof-filter-parent | antispoof-filter-owner | authentication-num-servers |
client-stale-count | auth-client-limit | auth-relay-server-group)*>

<!ELEMENT dhcp-lease-binding-type (#PCDATA)>

<!ELEMENT dhcp-server-binding-information (binding-summary | dhcp-binding)*>
<!ATTLIST dhcp-server-binding-information junos:style CDATA #IMPLIED>

<!ELEMENT dhcp-server-statistics-information (dropped-packet-total |
dropped-packet-bad-hardware | dropped-packet-bootp-packet |
dropped-packet-bad-bootp-opcode | dropped-packet-bad-options |
dropped-packet-invalid-server-address | dropped-packet-no-addresses |
dropped-packet-no-interface-cfg | dropped-packet-no-local-address |
dropped-packet-too-short | dropped-packet-send-error | dropped-packet-option-60
| dropped-packet-option-82 | dropped-packet-authentication |
dropped-packet-dynamic-profile | dropped-packet-license |
dropped-packet-bad-dhcp-opcode | dropped-packet-no-options |
dropped-packet-hop-limit | dropped-packet-ttl-expired |
dropped-packet-bad-udp-checksum | dropped-packet-dhcp-service-total | message-table
| forwarded-packets-total | forwarded-bootrequest-packets |
forwarded-bootreply-packets)*>

<!ELEMENT dhcpv6-binding (allocated-address | client-duid | client-id-len |
client-id | alt-client-id-len | alt-client-id | lease-expires | lease-start-time
| lease-end-time | lease-state | interface-name | vlan-id | svlan-id |
demux-interface-name | server-ip-address | session-id | pool-name | profile-name

```

```

    | dhcpv6-server-id | dhcp-lease-binding-type | logical-system-routing-instance
    | bridge-domain | client-info | retail-logical-system-routing-instance |
    retail-bridge-domain | wholesale-logical-system-routing-instance |
    wholesale-bridge-domain | authentication-num-servers | client-stale-count |
    auth-client-limit | auth-relay-server-group)*>

<!ELEMENT dhcpv6-binding-count (#PCDATA)>

<!ELEMENT dhcpv6-binding-summary (dhcpv6-binding-count | dhcpv6-init-count |
dhcpv6-bound-count | dhcpv6-selecting-count | dhcpv6-requesting-count |
dhcpv6-renewing-count | dhcpv6-releasing-count | dhcpv6-restore-count)*>

<!ELEMENT dhcpv6-bound-count (#PCDATA)>

<!ELEMENT dhcpv6-init-count (#PCDATA)>

<!ELEMENT dhcpv6-message (dhcpv6-message-name | dhcpv6-message-count)*>

<!ELEMENT dhcpv6-message-count (#PCDATA)>

<!ELEMENT dhcpv6-message-direction (#PCDATA)>

<!ELEMENT dhcpv6-message-name (#PCDATA)>

<!ELEMENT dhcpv6-message-table (dhcpv6-message-direction | dhcpv6-message)*>

<!ELEMENT dhcpv6-releasing-count (#PCDATA)>

<!ELEMENT dhcpv6-renewing-count (#PCDATA)>

<!ELEMENT dhcpv6-requesting-count (#PCDATA)>

<!ELEMENT dhcpv6-restore-count (#PCDATA)>

<!ELEMENT dhcpv6-selecting-count (#PCDATA)>

<!ELEMENT dhcpv6-server-binding-information (dhcpv6-binding-summary |
dhcpv6-binding)*>
<!ATTLIST dhcpv6-server-binding-information junos:style CDATA #IMPLIED>

<!ELEMENT dhcpv6-server-id (#PCDATA)>

<!ELEMENT dhcpv6-server-statistics-information (v6-dropped-packet-total |
v6-dropped-packet-no-safd | v6-dropped-packet-bad-send |
v6-dropped-packet-short-packet | v6-dropped-packet-bad-msgtype |
v6-dropped-packet-bad-options | v6-dropped-packet-bad-srcaddress |
v6-dropped-packet-relay-hop-count | v6-dropped-packet-no-client-id |
v6-dropped-packet-strict-reconfigure | v6-dropped-packet-authentication |
v6-dropped-packet-dynamic-profile | v6-dropped-packet-license |
v6-dropped-packet-dhcpv6-service-total | dhcpv6-message-table)*>

<!ELEMENT dropped-packet-authentication (#PCDATA)>

<!ELEMENT dropped-packet-bad-bootp-opcode (#PCDATA)>

<!ELEMENT dropped-packet-bad-dhcp-opcode (#PCDATA)>

<!ELEMENT dropped-packet-bad-hardware (#PCDATA)>

<!ELEMENT dropped-packet-bad-options (#PCDATA)>

```

```
<!ELEMENT dropped-packet-bad-udp-checksum (#PCDATA)>
<!ELEMENT dropped-packet-bootp-packet (#PCDATA)>
<!ELEMENT dropped-packet-dhcp-service-total (#PCDATA)>
<!ELEMENT dropped-packet-dynamic-profile (#PCDATA)>
<!ELEMENT dropped-packet-hop-limit (#PCDATA)>
<!ELEMENT dropped-packet-invalid-server-address (#PCDATA)>
<!ELEMENT dropped-packet-license (#PCDATA)>
<!ELEMENT dropped-packet-no-addresses (#PCDATA)>
<!ELEMENT dropped-packet-no-interface-cfg (#PCDATA)>
<!ELEMENT dropped-packet-no-local-address (#PCDATA)>
<!ELEMENT dropped-packet-no-options (#PCDATA)>
<!ELEMENT dropped-packet-option-60 (#PCDATA)>
<!ELEMENT dropped-packet-option-82 (#PCDATA)>
<!ELEMENT dropped-packet-send-error (#PCDATA)>
<!ELEMENT dropped-packet-too-short (#PCDATA)>
<!ELEMENT dropped-packet-total (#PCDATA)>
<!ELEMENT dropped-packet-ttl-expired (#PCDATA)>
<!ELEMENT forwarded-bootreply-packets (#PCDATA)>
<!ELEMENT forwarded-bootrequest-packets (#PCDATA)>
<!ELEMENT forwarded-packets-total (#PCDATA)>
<!ELEMENT hardware-type (#PCDATA)>
<!ELEMENT init-count (#PCDATA)>
<!ELEMENT interface-name (#PCDATA)>
<!ELEMENT lease-end-time (#PCDATA)>
<!ATTLIST lease-end-time junos:seconds CDATA #IMPLIED>
<!ELEMENT lease-expires (#PCDATA)>
<!ELEMENT lease-start-time (#PCDATA)>
<!ATTLIST lease-start-time junos:seconds CDATA #IMPLIED>
<!ELEMENT lease-state (#PCDATA)>
<!ELEMENT logical-system-routing-instance (#PCDATA)>
<!ELEMENT mac-address (#PCDATA)>
<!ELEMENT message (message-name | message-count)*>
```

```
<!ELEMENT message-count (#PCDATA)>
<!ELEMENT message-direction (#PCDATA)>
<!ELEMENT message-name (#PCDATA)>
<!ELEMENT message-table (message-direction | message)*>
<!ELEMENT option-82-data-from-client (#PCDATA)>
<!ELEMENT option-82-length-from-client (#PCDATA)>
<!ELEMENT pool-name (#PCDATA)>
<!ELEMENT previous-bootp-relay-address (#PCDATA)>
<!ELEMENT profile-name (#PCDATA)>
<!ELEMENT releasing-count (#PCDATA)>
<!ELEMENT renewing-count (#PCDATA)>
<!ELEMENT requesting-count (#PCDATA)>
<!ELEMENT restore-count (#PCDATA)>
<!ELEMENT retail-bridge-domain (#PCDATA)>
<!ELEMENT retail-logical-system-routing-instance (#PCDATA)>
<!ELEMENT selecting-count (#PCDATA)>
<!ELEMENT server-ip-address (#PCDATA)>
<!ELEMENT session-id (#PCDATA)>
<!ELEMENT svlan-id (#PCDATA)>
<!ELEMENT v6-dropped-packet-authentication (#PCDATA)>
<!ELEMENT v6-dropped-packet-bad-msgtype (#PCDATA)>
<!ELEMENT v6-dropped-packet-bad-options (#PCDATA)>
<!ELEMENT v6-dropped-packet-bad-send (#PCDATA)>
<!ELEMENT v6-dropped-packet-bad-srcaddress (#PCDATA)>
<!ELEMENT v6-dropped-packet-dhcpv6-service-total (#PCDATA)>
<!ELEMENT v6-dropped-packet-dynamic-profile (#PCDATA)>
<!ELEMENT v6-dropped-packet-license (#PCDATA)>
<!ELEMENT v6-dropped-packet-no-client-id (#PCDATA)>
<!ELEMENT v6-dropped-packet-no-safd (#PCDATA)>
<!ELEMENT v6-dropped-packet-relay-hop-count (#PCDATA)>
```

```
<!ELEMENT v6-dropped-packet-short-packet (#PCDATA)>  
<!ELEMENT v6-dropped-packet-strict-reconfigure (#PCDATA)>  
<!ELEMENT v6-dropped-packet-total (#PCDATA)>  
<!ELEMENT vlan-id (#PCDATA)>  
<!ELEMENT wholesale-bridge-domain (#PCDATA)>  
<!ELEMENT wholesale-logical-system-routing-instance (#PCDATA)>
```

## CHAPTER 36

# DTD for DHCP Service Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `dtd\junos-dhcp-service.dtd`, which lists the Junos XML tags that contain information about {}. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-dhcp-service.dtd -->

<!ELEMENT dhcp-service-statistics-information (dropped-packet-dhcp-service-total |
  | dropped-packet-read-error | dropped-packet-bad-ip-header |
  | dropped-packet-short-packet | dropped-packet-no-interface |
  | dropped-packet-no-routing-instance | dropped-packet-no-mem)*>

<!ELEMENT dhcp-service-statistics-interface-information (dropped-packet-total |
  | dropped-packet-bad-hardware | dropped-packet-bootp-packet |
  | dropped-packet-bad-bootp-opcode | dropped-packet-bad-options |
  | dropped-packet-invalid-server-address | dropped-packet-no-addresses |
  | dropped-packet-no-interface-cfg | dropped-packet-no-local-address |
  | dropped-packet-too-short | dropped-packet-send-error | dropped-packet-option-60
  | dropped-packet-option-82 | dropped-packet-authentication | |
  | dropped-packet-dynamic-profile | dropped-packet-license |
  | dropped-packet-bad-dhcp-opcode | dropped-packet-no-options |
  | dropped-packet-hop-limit | dropped-packet-ttl-expired |
  | dropped-packet-bad-udp-checksum | message-table | forwarded-packets-total |
  | forwarded-bootrequest-packets | forwarded-bootreply-packets)*>

<!ELEMENT dhcpv6-message (dhcpv6-message-name | dhcpv6-message-count)*>

<!ELEMENT dhcpv6-message-count (#PCDATA)>

<!ELEMENT dhcpv6-message-direction (#PCDATA)>

<!ELEMENT dhcpv6-message-name (#PCDATA)>

<!ELEMENT dhcpv6-message-table (dhcpv6-message-direction | dhcpv6-message)*>

<!ELEMENT dhcpv6-service-statistics-information
(v6-dropped-packet-dhcpv6-service-total | v6-dropped-packet-read-error |
v6-dropped-packet-bad-ip-header | v6-dropped-packet-short-packet |
v6-dropped-packet-no-interface | v6-dropped-packet-no-safd |
v6-dropped-packet-no-routing-instance | v6-dropped-packet-no-mem)*>

<!ELEMENT dhcpv6-service-statistics-interface-information (v6-dropped-packet-total |
```

```
| v6-dropped-packet-no-safd | v6-dropped-packet-bad-send |  
v6-dropped-packet-short-packet | v6-dropped-packet-bad-msgtype |  
v6-dropped-packet-bad-options | v6-dropped-packet-bad-srcaddress |  
v6-dropped-packet-relay-hop-count | v6-dropped-packet-no-client-id |  
v6-dropped-packet-strict-reconfigure | v6-dropped-packet-authentication |  
v6-dropped-packet-dynamic-profile | v6-dropped-packet-license |  
dhcpv6-message-table)*>
```

```
<!ELEMENT dropped-packet-authentication (#PCDATA)>
```

```
<!ELEMENT dropped-packet-bad-bootp-opcode (#PCDATA)>
```

```
<!ELEMENT dropped-packet-bad-dhcp-opcode (#PCDATA)>
```

```
<!ELEMENT dropped-packet-bad-hardware (#PCDATA)>
```

```
<!ELEMENT dropped-packet-bad-ip-header (#PCDATA)>
```

```
<!ELEMENT dropped-packet-bad-options (#PCDATA)>
```

```
<!ELEMENT dropped-packet-bad-udp-checksum (#PCDATA)>
```

```
<!ELEMENT dropped-packet-bootp-packet (#PCDATA)>
```

```
<!ELEMENT dropped-packet-dhcp-service-total (#PCDATA)>
```

```
<!ELEMENT dropped-packet-dynamic-profile (#PCDATA)>
```

```
<!ELEMENT dropped-packet-hop-limit (#PCDATA)>
```

```
<!ELEMENT dropped-packet-invalid-server-address (#PCDATA)>
```

```
<!ELEMENT dropped-packet-license (#PCDATA)>
```

```
<!ELEMENT dropped-packet-no-addresses (#PCDATA)>
```

```
<!ELEMENT dropped-packet-no-interface (#PCDATA)>
```

```
<!ELEMENT dropped-packet-no-interface-cfg (#PCDATA)>
```

```
<!ELEMENT dropped-packet-no-local-address (#PCDATA)>
```

```
<!ELEMENT dropped-packet-no-mem (#PCDATA)>
```

```
<!ELEMENT dropped-packet-no-options (#PCDATA)>
```

```
<!ELEMENT dropped-packet-no-routing-instance (#PCDATA)>
```

```
<!ELEMENT dropped-packet-option-60 (#PCDATA)>
```

```
<!ELEMENT dropped-packet-option-82 (#PCDATA)>
```

```
<!ELEMENT dropped-packet-read-error (#PCDATA)>
```

```
<!ELEMENT dropped-packet-send-error (#PCDATA)>
```

```
<!ELEMENT dropped-packet-short-packet (#PCDATA)>
```

```
<!ELEMENT dropped-packet-too-short (#PCDATA)>
```

```
<!ELEMENT dropped-packet-total (#PCDATA)>
```



```
<!ELEMENT dropped-packet-ttl-expired (#PCDATA)>

<!ELEMENT forwarded-bootreply-packets (#PCDATA)>

<!ELEMENT forwarded-bootrequest-packets (#PCDATA)>

<!ELEMENT forwarded-packets-total (#PCDATA)>

<!ELEMENT message (message-name | message-count)*>

<!ELEMENT message-count (#PCDATA)>

<!ELEMENT message-direction (#PCDATA)>

<!ELEMENT message-name (#PCDATA)>

<!ELEMENT message-table (message-direction | message)*>

<!ELEMENT v6-dropped-packet-authentication (#PCDATA)>

<!ELEMENT v6-dropped-packet-bad-ip-header (#PCDATA)>

<!ELEMENT v6-dropped-packet-bad-msgtype (#PCDATA)>

<!ELEMENT v6-dropped-packet-bad-options (#PCDATA)>

<!ELEMENT v6-dropped-packet-bad-send (#PCDATA)>

<!ELEMENT v6-dropped-packet-bad-srcaddress (#PCDATA)>

<!ELEMENT v6-dropped-packet-dhcpv6-service-total (#PCDATA)>

<!ELEMENT v6-dropped-packet-dynamic-profile (#PCDATA)>

<!ELEMENT v6-dropped-packet-license (#PCDATA)>

<!ELEMENT v6-dropped-packet-no-client-id (#PCDATA)>

<!ELEMENT v6-dropped-packet-no-interface (#PCDATA)>

<!ELEMENT v6-dropped-packet-no-mem (#PCDATA)>

<!ELEMENT v6-dropped-packet-no-routing-instance (#PCDATA)>

<!ELEMENT v6-dropped-packet-no-safd (#PCDATA)>

<!ELEMENT v6-dropped-packet-read-error (#PCDATA)>

<!ELEMENT v6-dropped-packet-relay-hop-count (#PCDATA)>

<!ELEMENT v6-dropped-packet-short-packet (#PCDATA)>

<!ELEMENT v6-dropped-packet-strict-reconfigure (#PCDATA)>

<!ELEMENT v6-dropped-packet-total (#PCDATA)>
```



## CHAPTER 37

# DTD for DHCP Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-dhcp.dtd`, which lists the Junos XML tags that contain information about DHCP. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->  
<!-- All rights reserved. -->  
<!-- junos-dhcp.dtd -->
```

```
<!ELEMENT active-lease-count (#PCDATA)>
```

```
<!ELEMENT address-count (#PCDATA)>
```

```
<!ELEMENT address-pool-excluded-address (#PCDATA)>
```

```
<!ELEMENT address-pool-high-address (#PCDATA)>
```

```
<!ELEMENT address-pool-low-address (#PCDATA)>
```

```
<!ELEMENT address-pool-name (#PCDATA)>
```

```
<!ELEMENT allocated-address (#PCDATA)>
```

```
<!ELEMENT assigned-lease-count (#PCDATA)>
```

```
<!ELEMENT bootp-dropped-packets (#PCDATA)>
```

```
<!ELEMENT bootp-dropped-packets-badaddr (#PCDATA)>
```

```
<!ELEMENT bootp-dropped-packets-badread (#PCDATA)>
```

```
<!ELEMENT bootp-dropped-packets-badsend (#PCDATA)>
```

```
<!ELEMENT bootp-dropped-packets-nointerface (#PCDATA)>
```

```
<!ELEMENT bootp-dropped-packets-nolocaladdr (#PCDATA)>
```

```
<!ELEMENT bootp-dropped-packets-noroute (#PCDATA)>
```

```
<!ELEMENT bootp-dropped-packets-nortinst (#PCDATA)>
```

```
<!ELEMENT bootp-forwarded-packets (#PCDATA)>
```

```
<!ELEMENT bootp-lease-length (#PCDATA)>
```

```
<!ELEMENT bootp-received-packets (#PCDATA)>

<!ELEMENT bootp-relay-address (#PCDATA)>

<!ELEMENT client-identifier (hex-data | hex-data-line | printable-data-line)*>

<!ELEMENT conflict-address (#PCDATA)>

<!ELEMENT conflict-count (#PCDATA)>

<!ELEMENT default-lease-time (#PCDATA)>

<!ELEMENT detection-method (#PCDATA)>

<!ELEMENT detection-time (#PCDATA)>

<!ELEMENT dhcp-binding (allocated-address | mac-address | dhcp-lease-binding-type
| lease-end-time | lease-state | dhcp-option-table | address-pool-name |
interface-name | bootp-relay-address | dhcp-lease-information |
client-identifier)*>

<!ELEMENT dhcp-binding-information (dhcp-binding)*>
<!-- ATTENTION: This element is not used in the Junos style -->
<!-- ATTENTION: This element is not used in the Junos style -->

<!ELEMENT dhcp-conflict (detection-time | detection-method | conflict-address)*>

<!ELEMENT dhcp-conflict-information (dhcp-conflict)*>

<!ELEMENT dhcp-global-information (dhcp-lease-time-information | dhcp-option-table
| bootp-lease-length)*>

<!ELEMENT dhcp-lease-binding-type (#PCDATA)>

<!ELEMENT dhcp-lease-information (dhcp-lease-type | lease-start-time |
lease-end-time | lease-state)*>

<!ELEMENT dhcp-lease-time-information (default-lease-time | minimum-lease-time |
maximum-lease-time)*>

<!ELEMENT dhcp-lease-type (#PCDATA)>

<!ELEMENT dhcp-option (dhcp-option-code | dhcp-option-name | dhcp-option-type |
dhcp-option-value)*>

<!ELEMENT dhcp-option-code (#PCDATA)>

<!ELEMENT dhcp-option-name (#PCDATA)>

<!ELEMENT dhcp-option-table (dhcp-option)*>

<!ELEMENT dhcp-option-type (#PCDATA)>

<!ELEMENT dhcp-option-value (#PCDATA)>

<!ELEMENT dhcp-pool (address-pool-name | address-pool-low-address |
address-pool-high-address | address-pool-excluded-address |
dhcp-lease-time-information | dhcp-option-table | address-count |
assigned-lease-count | active-lease-count | offered-lease-count |
expired-lease-count | conflict-count | exclusion-count)*>
```

```

<!ELEMENT dhcp-pool-information (dhcp-pool)*>
<!ATTLIST dhcp-pool-information junos:style CDATA #IMPLIED>

<!ELEMENT dhcp-statistics-information (dropped-packet-total |
dropped-packet-bad-hardware | dropped-packet-bad-opcode |
dropped-packet-bad-options | dropped-packet-invalid-server-address |
dropped-packet-no-addresses | dropped-packet-no-interface |
dropped-packet-no-routing-instance | dropped-packet-no-local-address |
dropped-packet-too-short | dropped-packet-read-error | dropped-packet-send-error
| message-table)*>

<!ELEMENT dropped-packet-bad-hardware (#PCDATA)>

<!ELEMENT dropped-packet-bad-opcode (#PCDATA)>

<!ELEMENT dropped-packet-bad-options (#PCDATA)>

<!ELEMENT dropped-packet-invalid-server-address (#PCDATA)>

<!ELEMENT dropped-packet-no-addresses (#PCDATA)>

<!ELEMENT dropped-packet-no-interface (#PCDATA)>

<!ELEMENT dropped-packet-no-local-address (#PCDATA)>

<!ELEMENT dropped-packet-no-routing-instance (#PCDATA)>

<!ELEMENT dropped-packet-read-error (#PCDATA)>

<!ELEMENT dropped-packet-send-error (#PCDATA)>

<!ELEMENT dropped-packet-too-short (#PCDATA)>

<!ELEMENT dropped-packet-total (#PCDATA)>

<!ELEMENT exclusion-count (#PCDATA)>

<!ELEMENT expired-lease-count (#PCDATA)>

<!ELEMENT helper-statistics (relay-information)*>

<!ELEMENT hex-data (#PCDATA)>

<!ELEMENT hex-data-line (#PCDATA)>

<!ELEMENT interface-name (#PCDATA)>

<!ELEMENT lease-end-time (#PCDATA)>
<!ATTLIST lease-end-time junos:seconds CDATA #IMPLIED>

<!ELEMENT lease-start-time (#PCDATA)>
<!ATTLIST lease-start-time junos:seconds CDATA #IMPLIED>

<!ELEMENT lease-state (#PCDATA)>

<!ELEMENT mac-address (#PCDATA)>

<!ELEMENT maximum-lease-time (#PCDATA)>

<!ELEMENT message (message-name | message-count)*>

```

```
<!ELEMENT message-count (#PCDATA)>

<!ELEMENT message-direction (#PCDATA)>

<!ELEMENT message-name (#PCDATA)>

<!ELEMENT message-table (message-direction | message)*>

<!ELEMENT minimum-lease-time (#PCDATA)>

<!ELEMENT offered-lease-count (#PCDATA)>

<!ELEMENT printable-data-line (#PCDATA)>

<!ELEMENT relay-information (bootp-received-packets | bootp-forwarded-packets |
bootp-dropped-packets | bootp-dropped-packets-nointerface |
bootp-dropped-packets-nortinst | bootp-dropped-packets-badread |
bootp-dropped-packets-badsend | bootp-dropped-packets-badaddr |
bootp-dropped-packets-nolocaladdr | bootp-dropped-packets-noroute)*>
```

## CHAPTER 38

# DTD for Dialer Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-dood.dtd`, which lists the Junos XML tags that contain information about dialer response tags. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->  
<!-- All rights reserved. -->  
<!-- junos-dood.dtd -->
```

```
<!ELEMENT activation-delay (#PCDATA)>
```

```
<!ELEMENT activation-delay-elapsed (#PCDATA)>
```

```
<!ELEMENT backup EMPTY>
```

```
<!ELEMENT call-idle-timeout (#PCDATA)>
```

```
<!ELEMENT callback-wait-period (#PCDATA)>
```

```
<!ELEMENT callback-wait-period-elapsed (#PCDATA)>
```

```
<!ELEMENT deactivation-delay (#PCDATA)>
```

```
<!ELEMENT deactivation-delay-elapsed (#PCDATA)>
```

```
<!ELEMENT default-activation-delay (#PCDATA)>
```

```
<!ELEMENT default-callback-wait-period (#PCDATA)>
```

```
<!ELEMENT default-deactivation-delay (#PCDATA)>
```

```
<!ELEMENT default-idle-timeout (#PCDATA)>
```

```
<!ELEMENT default-initial-route-check (#PCDATA)>
```

```
<!ELEMENT default-load-interval (#PCDATA)>
```

```
<!ELEMENT default-load-threshold (#PCDATA)>
```

```
<!ELEMENT default-pool-priority (#PCDATA)>
```

```
<!ELEMENT default-redial-delay (#PCDATA)>
```

```
<!ELEMENT dial-string (#PCDATA)>
```

```
<!ELEMENT dial-string-list (dial-string)*>
<!ATTLIST dial-string-list junos:style CDATA #IMPLIED>

<!ELEMENT dialer-defaults-information (default-idle-timeout |
default-activation-delay | default-deactivation-delay | default-initial-route-check
| default-pool-priority | default-load-threshold | default-load-interval |
default-redial-delay | default-callback-wait-period)*>

<!ELEMENT dialer-info (dialer-interface-name | dialer-interface-state |
dialer-interface-flags)*>

<!ELEMENT dialer-interface (dialer-interface-name | dialer-interface-state |
dialer-interface-flags | pool-id | primary-interface | dial-string-list |
sub-interface-list | watch-list | activation-delay | deactivation-delay |
activation-delay-elapsed | deactivation-delay-elapsed | call-idle-timeout |
initial-route-check | redial-delay | callback-wait-period |
callback-wait-period-elapsed | load-threshold | load-interval)*>

<!ELEMENT dialer-interface-flags (backup | multilink | watchlist |
interesting-detected)*>

<!ELEMENT dialer-interface-information (dialer-interface)*>
<!ATTLIST dialer-interface-information junos:style CDATA #IMPLIED>

<!ELEMENT dialer-interface-name (#PCDATA)>

<!ELEMENT dialer-interface-state (#PCDATA)>

<!ELEMENT dialer-pool (pool-id | pool-member-list)*>

<!ELEMENT dialer-pool-information (dialer-pool)*>
<!ATTLIST dialer-pool-information junos:style CDATA #IMPLIED>

<!ELEMENT initial-route-check (#PCDATA)>

<!ELEMENT interesting-detected EMPTY>

<!ELEMENT load-interval (#PCDATA)>

<!ELEMENT load-threshold (#PCDATA)>

<!ELEMENT multilink EMPTY>

<!ELEMENT pool-id (#PCDATA)>

<!ELEMENT pool-member-list (dialer-info | sub-info)*>

<!ELEMENT pool-priority (#PCDATA)>

<!ELEMENT primary-interface (#PCDATA)>

<!ELEMENT redial-delay (#PCDATA)>

<!ELEMENT sub-info (sub-interface-name | sub-interface-flags | pool-priority)*>

<!ELEMENT sub-interface-flags (#PCDATA)>

<!ELEMENT sub-interface-list (sub-interface-name)*>
<!ATTLIST sub-interface-list junos:style CDATA #IMPLIED>
```



```
<!ELEMENT sub-interface-name (#PCDATA)>

<!ELEMENT watch-list (watch-route)*>
<!ATTLIST watch-list junos:style CDATA #IMPLIED>

<!ELEMENT watch-route (#PCDATA)>

<!ELEMENT watchlist EMPTY>
```



## CHAPTER 39

# DTD for Dynamic Configuration Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-dynamic-configuration.dtd`, which lists the Junos XML tags that contain information about dynamic configuration response tags. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-dynamic-configuration.dtd -->

<!ELEMENT access-profile-name (#PCDATA)>

<!ELEMENT accounting-interval (#PCDATA)>

<!ELEMENT accounting-session-id (#PCDATA)>

<!ELEMENT accounting-time-quota (#PCDATA)>

<!ELEMENT accounting-type (#PCDATA)>

<!ELEMENT accounting-volume-quota (#PCDATA)>

<!ELEMENT ack-received (#PCDATA)>

<!ELEMENT ack-sent (#PCDATA)>

<!ELEMENT action (#PCDATA)>

<!ELEMENT address-pool (#PCDATA)>

<!ELEMENT agent-circuit-id (#PCDATA)>

<!ELEMENT agent-remote-id (#PCDATA)>

<!ELEMENT aggregate-type (#PCDATA)>

<!ELEMENT attribute-name (#PCDATA)>

<!ELEMENT attribute-value (#PCDATA)>

<!ELEMENT backpressure (#PCDATA)>

<!ELEMENT calling-station-id (#PCDATA)>
```

```
<!ELEMENT client-session-info (accounting-session-id | client-session-type |
jsrc-session-id | address-pool | interface | ip-address | ip-address-mask |
ipv6-address | ipv6-prefix | ipv6-network-prefix-len | ipv6-interface-address |
logical-system | profile | mac-address | nas-port-type | routing-instance |
access-profile-name | session-id | state | user-name | login-time |
l2tp-local-ip-address | l2tp-local-session-id | l2tp-local-tunnel-id |
l2tp-remote-ip-address | l2tp-remote-session-id | l2tp-remote-tunnel-id |
l2tp-tunnel-group-id | l2tp-ppp-profile-name | dhcp-option |
dynamic-configuration-info | session-ids | dhcp-gi-address | ifl-type |
service-bundle | nas-ipv6-address | login-ipv6-host | delegated-ipv6-prefix |
framed-interface-id | framed-ipv4-pool | framed-ipv6-pool | delegated-ipv6-pool
| aggregate-type | logical-interface | accounting-type | accounting-interval |
config-bits | vlan-tag | svlan-tag | service-type | framed-protocol |
calling-station-id | primary-ipv6-dns-address | secondary-ipv6-dns-address |
agent-circuit-id | agent-remote-id)*>

<!ELEMENT client-session-type (#PCDATA)>

<!ELEMENT collect-perf (#PCDATA)>

<!ELEMENT config-bits (#PCDATA)>

<!ELEMENT connection (peer-name | connection-status | socket | queue)*>

<!ELEMENT connection-status (#PCDATA)>

<!ELEMENT consumer-message-counters (msg-received | ack-sent | nak-sent)*>

<!ELEMENT consumer-received (#PCDATA)>

<!ELEMENT consumer-sent (#PCDATA)>

<!ELEMENT cur-index (#PCDATA)>

<!ELEMENT delegated-ipv6-pool (#PCDATA)>

<!ELEMENT delegated-ipv6-prefix (#PCDATA)>

<!ELEMENT dhcp-gi-address (#PCDATA)>

<!ELEMENT dhcp-option (#PCDATA)>

<!ELEMENT dynamic-configuration-attribute (attribute-name | attribute-value)*>

<!ELEMENT dynamic-configuration-info (dynamic-configuration-attribute)*>

<!ELEMENT dynamic-configuration-information (session-ids | client-session-info |
service-session-info | results | profile-results)*>

<!ELEMENT entry-delta-microseconds (#PCDATA)>

<!ELEMENT entry-delta-microseconds-perf (#PCDATA)>

<!ELEMENT entry-delta-seconds (#PCDATA)>

<!ELEMENT entry-delta-seconds-perf (#PCDATA)>

<!ELEMENT failure (#PCDATA)>

<!ELEMENT failure-reason (#PCDATA)>
```

```
<!ELEMENT framed-interface-id (#PCDATA)>
<!ELEMENT framed-ipv4-pool (#PCDATA)>
<!ELEMENT framed-ipv6-pool (#PCDATA)>
<!ELEMENT framed-protocol (#PCDATA)>
<!ELEMENT frozen (#PCDATA)>
<!ELEMENT ifl-type (#PCDATA)>
<!ELEMENT index (#PCDATA)>
<!ELEMENT index-perf (#PCDATA)>
<!ELEMENT interface (#PCDATA)>
<!ELEMENT ip-address (#PCDATA)>
<!ELEMENT ip-address-mask (#PCDATA)>
<!ELEMENT ipc-errors (#PCDATA)>
<!ELEMENT ipc-received (#PCDATA)>
<!ELEMENT ipc-sent (#PCDATA)>
<!ELEMENT ipv6-address (#PCDATA)>
<!ELEMENT ipv6-interface-address (#PCDATA)>
<!ELEMENT ipv6-network-prefix-len (#PCDATA)>
<!ELEMENT ipv6-prefix (#PCDATA)>
<!ELEMENT irol-ctxsw-perf (#PCDATA)>
<!ELEMENT jsrc-session-id (#PCDATA)>
<!ELEMENT l2tp-local-ip-address (#PCDATA)>
<!ELEMENT l2tp-local-session-id (#PCDATA)>
<!ELEMENT l2tp-local-tunnel-id (#PCDATA)>
<!ELEMENT l2tp-ppp-profile-name (#PCDATA)>
<!ELEMENT l2tp-remote-ip-address (#PCDATA)>
<!ELEMENT l2tp-remote-session-id (#PCDATA)>
<!ELEMENT l2tp-remote-tunnel-id (#PCDATA)>
<!ELEMENT l2tp-tunnel-group-id (#PCDATA)>
<!ELEMENT log-name (#PCDATA)>
<!ELEMENT log-prefix (#PCDATA)>
```

```
<!ELEMENT log-prefix-perf (#PCDATA)>
<!ELEMENT logged-data (#PCDATA)>
<!ELEMENT logged-data-perf (#PCDATA)>
<!ELEMENT logical-interface (#PCDATA)>
<!ELEMENT logical-system (#PCDATA)>
<!ELEMENT login-ipv6-host (#PCDATA)>
<!ELEMENT login-time (#PCDATA)>
<!ELEMENT mac-address (#PCDATA)>
<!ELEMENT max-data (#PCDATA)>
<!ELEMENT max-entries (#PCDATA)>
<!ELEMENT max-msg-pending (#PCDATA)>
<!ELEMENT msg-complete (#PCDATA)>
<!ELEMENT msg-held (#PCDATA)>
<!ELEMENT msg-pending (#PCDATA)>
<!ELEMENT msg-posted (#PCDATA)>
<!ELEMENT msg-received (#PCDATA)>
<!ELEMENT msg-sent (#PCDATA)>
<!ELEMENT nak-received (#PCDATA)>
<!ELEMENT nak-sent (#PCDATA)>
<!ELEMENT name (#PCDATA)>
<!ELEMENT nas-ipv6-address (#PCDATA)>
<!ELEMENT nas-port-type (#PCDATA)>
<!ELEMENT peer-name (#PCDATA)>
<!ELEMENT performance-counters (socket-received | socket-sent | socket-errors |
ipc-received | ipc-sent | ipc-errors)*>
<!ELEMENT primary-ipv6-dns-address (#PCDATA)>
<!ELEMENT process-id (#PCDATA)>
<!ELEMENT process-id-perf (#PCDATA)>
<!ELEMENT producer-message-counters (msg-sent | ack-received | nak-received |
backpressure)*>
<!ELEMENT producer-received (#PCDATA)>
<!ELEMENT producer-sent (#PCDATA)>
```

```

<!ELEMENT profile (#PCDATA)>

<!ELEMENT profile-action (#PCDATA)>

<!ELEMENT profile-name (#PCDATA)>

<!ELEMENT profile-results (profile-name | profile-action | session-id |
session-type | request-result | failure-reason | config-bits)*>
<!ATTLIST profile-results junos:style CDATA #IMPLIED>

<!ELEMENT queue (msg-complete | msg-posted | msg-pending | max-msg-pending |
msg-held)*>

<!ELEMENT request-result (#PCDATA)>

<!ELEMENT results (action | session-type | session-id | success | failure)*>
<!ATTLIST results junos:style CDATA #IMPLIED>

<!ELEMENT role (#PCDATA)>

<!ELEMENT routing-instance (#PCDATA)>

<!ELEMENT running-time-microseconds (#PCDATA)>

<!ELEMENT running-time-microseconds-perf (#PCDATA)>

<!ELEMENT running-time-seconds (#PCDATA)>

<!ELEMENT running-time-seconds-perf (#PCDATA)>

<!ELEMENT secondary-ipv6-dns-address (#PCDATA)>

<!ELEMENT service-activation-time (#PCDATA)>

<!ELEMENT service-bundle (#PCDATA)>

<!ELEMENT service-name (#PCDATA)>

<!ELEMENT service-session-info (session-id | start-time | service-name |
accounting-session-id | accounting-type | accounting-interval |
accounting-volume-quota | accounting-time-quota | state |
dynamic-configuration-info | config-bits | service-activation-time)*>

<!ELEMENT service-type (#PCDATA)>

<!ELEMENT session-id (#PCDATA)>

<!ELEMENT session-ids (session-id)*>
<!ATTLIST session-ids junos:style CDATA #IMPLIED>

<!ELEMENT session-type (#PCDATA)>

<!ELEMENT shm-ipc-statistics (user | failure-reason)*>

<!ELEMENT socket (consumer-received | consumer-sent | producer-received |
producer-sent)*>

<!ELEMENT socket-errors (#PCDATA)>

<!ELEMENT socket-received (#PCDATA)>

```

```
<!ELEMENT socket-sent (#PCDATA)>

<!ELEMENT start-time (#PCDATA)>
<!ATTLIST start-time junos:seconds CDATA #IMPLIED>

<!ELEMENT state (#PCDATA)>

<!ELEMENT status (#PCDATA)>

<!ELEMENT success EMPTY>

<!ELEMENT svlan-tag (#PCDATA)>

<!ELEMENT system-cpu-microseconds-perf (#PCDATA)>

<!ELEMENT system-cpu-seconds-perf (#PCDATA)>

<!ELEMENT system-time-microseconds (#PCDATA)>

<!ELEMENT system-time-microseconds-perf (#PCDATA)>

<!ELEMENT system-time-seconds (#PCDATA)>

<!ELEMENT system-time-seconds-perf (#PCDATA)>

<!ELEMENT thread-id (#PCDATA)>

<!ELEMENT thread-id-perf (#PCDATA)>

<!ELEMENT tracelog-data (tracelog-entry)*>

<!ELEMENT tracelog-data-performance (tracelog-entry-performance)*>

<!ELEMENT tracelog-entry (log-prefix | index | process-id | thread-id |
entry-delta-seconds | entry-delta-microseconds | running-time-seconds |
running-time-microseconds | system-time-seconds | system-time-microseconds |
logged-data)*>

<!ELEMENT tracelog-entry-performance (log-prefix-perf | index-perf |
process-id-perf | thread-id-perf | entry-delta-seconds-perf |
entry-delta-microseconds-perf | running-time-seconds-perf |
running-time-microseconds-perf | user-cpu-seconds-perf | user-cpu-microseconds-perf
| system-cpu-seconds-perf | system-cpu-microseconds-perf |
system-time-seconds-perf | system-time-microseconds-perf | vol-ctxsw-perf |
ivol-ctxsw-perf | logged-data-perf)*>

<!ELEMENT tracelog-information (tracelog-status-info)*>

<!ELEMENT tracelog-status-info (log-name | max-entries | cur-index | max-data |
wrap-cnt | wrapable | frozen | collect-perf)*>

<!ELEMENT user (name | role | status | performance-counters |
producer-message-counters | consumer-message-counters | connection)*>

<!ELEMENT user-cpu-microseconds-perf (#PCDATA)>

<!ELEMENT user-cpu-seconds-perf (#PCDATA)>

<!ELEMENT user-name (#PCDATA)>
```



```
<!ELEMENT vlan-tag (#PCDATA)>  
<!ELEMENT vol-ctxsw-perf (#PCDATA)>  
<!ELEMENT wrap-cnt (#PCDATA)>  
<!ELEMENT wrapable (#PCDATA)>
```



## CHAPTER 40

# DTD for Firewall Filter Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-filter.dtd`, which lists the Junos XML tags that contain information about firewall filters. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-filter.dtd -->

<!ELEMENT action-name (#PCDATA)>

<!ELEMENT byte-count (#PCDATA)>

<!ELEMENT counter (counter-name | byte-count | packet-count)*>

<!ELEMENT counter-name (#PCDATA)>

<!ELEMENT destination-address (#PCDATA)>

<!ELEMENT filter-information (filter-name | counter | policer | filter-version)*>

<!ELEMENT filter-name (#PCDATA)>

<!ELEMENT filter-version (filter-name | version)*>

<!ELEMENT firewall-db-object-config (#PCDATA)>

<!ELEMENT firewall-db-object-counts (firewall-db-object-type |
firewall-db-object-dynamic | firewall-db-object-config |
firewall-db-object-kernel)*>

<!ELEMENT firewall-db-object-dynamic (#PCDATA)>

<!ELEMENT firewall-db-object-information (firewall-db-object-counts)*>

<!ELEMENT firewall-db-object-kernel (#PCDATA)>

<!ELEMENT firewall-db-object-type (#PCDATA)>

<!ELEMENT firewall-debug-information (firewall-debug-str)*>

<!ELEMENT firewall-debug-str (#PCDATA)>

<!ELEMENT firewall-alloc-information (firewall-alloc-stats)*>
```

```
<!ELEMENT firewall-emalloc-max-allocated (#PCDATA)>

<!ELEMENT firewall-emalloc-num-times (#PCDATA)>

<!ELEMENT firewall-emalloc-phase (#PCDATA)>

<!ELEMENT firewall-emalloc-stats (firewall-emalloc-phase | firewall-emalloc-type
| firewall-emalloc-num-times | firewall-emalloc-max-allocated)*>

<!ELEMENT firewall-emalloc-type (#PCDATA)>

<!ELEMENT firewall-information (filter-information)*>

<!ELEMENT firewall-log-information (log-information)*>

<!ELEMENT firewall-prefix-action-information (filter-name | counter | policer)*>

<!ELEMENT icmp-code (#PCDATA)>

<!ELEMENT icmp-type (#PCDATA)>

<!ELEMENT interface-name (#PCDATA)>

<!ELEMENT log-information (time | filter-name | action-name | interface-name |
protocol-name | source-address | destination-address | packet-length | icmp-type
| icmp-code)*>
<ATTLIST log-information junos:style CDATA #IMPLIED>

<!ELEMENT packet-count (#PCDATA)>

<!ELEMENT packet-length (#PCDATA)>

<!ELEMENT policer (policer-name | packet-count)*>

<!ELEMENT policer-byte (policer-name | byte-count | packet-count)*>

<!ELEMENT policer-name (#PCDATA)>

<!ELEMENT protocol-name (#PCDATA)>

<!ELEMENT source-address (#PCDATA)>

<!ELEMENT time (#PCDATA)>

<!ELEMENT version (#PCDATA)>
```

## CHAPTER 41

# DTD for J20 GGSN Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-ggsn.dtd`, which lists the Junos XML tags that contain information about J20 GGSN. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-ggsn.dtd -->

<!ELEMENT accounting-failure (#PCDATA)>

<!ELEMENT activation-bearer-ctrl-accept (#PCDATA)>

<!ELEMENT activation-bearer-ctrl-downgrade (#PCDATA)>

<!ELEMENT activation-bearer-ctrl-reject (#PCDATA)>

<!ELEMENT activation-bearer-ctrl-upgrade (#PCDATA)>

<!ELEMENT activation-no-bearer-ctrl-accept (#PCDATA)>

<!ELEMENT activation-no-bearer-ctrl-downgrade (#PCDATA)>

<!ELEMENT activation-no-bearer-ctrl-reject (#PCDATA)>

<!ELEMENT active-predifened-charging-rulbases (#PCDATA)>

<!ELEMENT active-predifened-charging-rules (#PCDATA)>

<!ELEMENT active-sessions (#PCDATA)>

<!ELEMENT active-time (#PCDATA)>

<!ELEMENT active-tunnels (#PCDATA)>

<!ELEMENT address (#PCDATA)>

<!ELEMENT apn-name (#PCDATA)>

<!ELEMENT apn-pdp-context-deletion-results (apn-name | user-category |
interface-pdp-context-deletion-information)*>

<!ELEMENT apn-statistics (name | pdp-context-statistics | gtp-error-statistics |
uplink | downlink | ggsn-pdp-per-user-category | radius-statistics-information
```

```
| rulespace-based-charging-statistics | signalling | tft-filter-count |
neighbor-solicitation-req-received | neighbor-solicitation-req-responded |
router-solicitation-req-received | router-solicitation-req-responded)*>

<!ELEMENT apn-statistics-information (apn-statistics | sbcc-statistics-information
| service-based-charging-for-gx)*>

<!ELEMENT authentication-failure (#PCDATA)>

<!ELEMENT authorization-discard-information (authorization-discard-statistics)*>

<!ELEMENT authorization-discard-statistics (service-class-source | packets |
bytes)*>

<!ELEMENT authorization-failure (#PCDATA)>

<!ELEMENT billing-gateway (address | time-connected)*>

<!ELEMENT bytes (#PCDATA)>

<!ELEMENT bytes-ipv6 (#PCDATA)>

<!ELEMENT call-trace (imsi | msisdn | time-started | nsapi-information)*>

<!ELEMENT call-trace-information (number-enabled | number-active | call-trace)*>

<!ELEMENT ccas-authorization-failure (#PCDATA)>

<!ELEMENT ccas-cc-not-applicable (#PCDATA)>

<!ELEMENT ccas-identifier (#PCDATA)>

<!ELEMENT ccas-information (ccas-statistics)*>

<!ELEMENT ccas-start-request (#PCDATA)>

<!ELEMENT ccas-start-request-failed (#PCDATA)>

<!ELEMENT ccas-statistics (ccas-identifier | ccas-start-request |
ccas-start-request-failed | ccas-update-request | ccas-update-request-failed |
ccas-stop-request | ccas-stop-request-failed | ccas-user-service-denied |
ccas-user-unknown | ccas-authorization-failure | ccas-cc-not-applicable)*>

<!ELEMENT ccas-stop-request (#PCDATA)>

<!ELEMENT ccas-stop-request-failed (#PCDATA)>

<!ELEMENT ccas-update-request (#PCDATA)>

<!ELEMENT ccas-update-request-failed (#PCDATA)>

<!ELEMENT ccas-user-service-denied (#PCDATA)>

<!ELEMENT ccas-user-unknown (#PCDATA)>

<!ELEMENT ccr-identifier (#PCDATA)>

<!ELEMENT ccr-statistics (ccr-identifier | authorization-failure |
authentication-failure | session-failure)*>

<!ELEMENT charging-identifier (#PCDATA)>
```

```
<!ELEMENT charging-statistics-information (encoded-cdrs | failed-encoded-cdrs |
generated-ftp-cdrs | generated-gtpp-cdrs | gtpp-log-cdrs | gtpp-send-attempted-cdrs
| gtpp-send-failed-cdrs)*>

<!ELEMENT control-rx-packets (#PCDATA)>

<!ELEMENT control-tx-packets (#PCDATA)>

<!ELEMENT cpu-id (#PCDATA)>

<!ELEMENT cpu-info (cpu-id | cpu-load)*>

<!ELEMENT cpu-load (#PCDATA)>

<!ELEMENT create-request-received (#PCDATA)>

<!ELEMENT create-response-transmitted (#PCDATA)>

<!ELEMENT created-tunnels (#PCDATA)>

<!ELEMENT credit-start-request-attempted (#PCDATA)>

<!ELEMENT credit-start-request-failed (#PCDATA)>

<!ELEMENT credit-stop-request-attempted (#PCDATA)>

<!ELEMENT credit-stop-request-failed (#PCDATA)>

<!ELEMENT credit-update-request-attempted (#PCDATA)>

<!ELEMENT credit-update-request-failed (#PCDATA)>

<!ELEMENT daemon-name (#PCDATA)>

<!ELEMENT das-identifier (#PCDATA)>

<!ELEMENT das-information (das-statistics)*>

<!ELEMENT das-statistics (das-identifier | request)*>

<!ELEMENT data-record-transfer-statistics (request-transmitted | response-received
| request-accepted | error-no-resources | error-service-unsupported |
error-system-failure | error-invalid-request-format | error-version-unsupported
| error-request-unfulfilled | error-decoding-error | error-already-fulfilled |
error-duplicate-packet-fulfilled | send-data-record-packet)*>

<!ELEMENT data-rx-packets (#PCDATA)>

<!ELEMENT data-tx-packets (#PCDATA)>

<!ELEMENT default-apn-invalid (#PCDATA)>

<!ELEMENT default-apn-selected (#PCDATA)>

<!ELEMENT delete-request-received (#PCDATA)>

<!ELEMENT delete-request-transmitted (#PCDATA)>

<!ELEMENT delete-response-received (#PCDATA)>
```

```
<!ELEMENT delete-response-transmitted (#PCDATA)>

<!ELEMENT destination-port-range (#PCDATA)>

<!ELEMENT diffserv-code-point (#PCDATA)>

<!ELEMENT discard-rx-packets (#PCDATA)>

<!ELEMENT discard-tx-packets (#PCDATA)>

<!ELEMENT discarded-downlink (#PCDATA)>

<!ELEMENT discarded-uplink (#PCDATA)>

<!ELEMENT downlink (packets | packets-ipv6 | bytes | bytes-ipv6 | dropped-packets
  | dropped-packets-ipv6 | dropped-bytes | dropped-bytes-ipv6)*>

<!ELEMENT downlink-bitrate (#PCDATA)>

<!ELEMENT downlink-bytes (#PCDATA)>

<!ELEMENT downlink-packets (#PCDATA)>

<!ELEMENT downlink-statistics (#PCDATA)>

<!ELEMENT dropped-bytes (#PCDATA)>

<!ELEMENT dropped-bytes-ipv6 (#PCDATA)>

<!ELEMENT dropped-packets (#PCDATA)>

<!ELEMENT dropped-packets-ipv6 (#PCDATA)>

<!ELEMENT duration-time (#PCDATA)>

<!ELEMENT dynamic-charging-rules (#PCDATA)>

<!ELEMENT echo-request-statistics (request-received | request-transmitted |
  response-received | response-transmitted)*>

<!ELEMENT encoded-cdrs (#PCDATA)>

<!ELEMENT error-access-denied (#PCDATA)>

<!ELEMENT error-already-activated (#PCDATA)>

<!ELEMENT error-already-fulfilled (#PCDATA)>

<!ELEMENT error-authentication-failed (#PCDATA)>

<!ELEMENT error-decoding-error (#PCDATA)>

<!ELEMENT error-duplicate-packet-fulfilled (#PCDATA)>

<!ELEMENT error-indication-received (#PCDATA)>

<!ELEMENT error-indication-transmitted (#PCDATA)>

<!ELEMENT error-invalid-request-format (#PCDATA)>

<!ELEMENT error-invalid-request-format-when-delete (#PCDATA)>
```



<!ELEMENT error-invalid-request-format-when-update (#PCDATA)>  
<!ELEMENT error-mandatory-ie-invalid (#PCDATA)>  
<!ELEMENT error-mandatory-ie-invalid-when-delete (#PCDATA)>  
<!ELEMENT error-mandatory-ie-invalid-when-update (#PCDATA)>  
<!ELEMENT error-mandatory-ie-missing (#PCDATA)>  
<!ELEMENT error-mandatory-ie-missing-when-delete (#PCDATA)>  
<!ELEMENT error-mandatory-ie-missing-when-update (#PCDATA)>  
<!ELEMENT error-no-dynamic-address-available (#PCDATA)>  
<!ELEMENT error-no-memory (#PCDATA)>  
<!ELEMENT error-no-resources (#PCDATA)>  
<!ELEMENT error-optional-ie-invalid (#PCDATA)>  
<!ELEMENT error-optional-ie-invalid-when-delete (#PCDATA)>  
<!ELEMENT error-optional-ie-invalid-when-update (#PCDATA)>  
<!ELEMENT error-packet-filter-semantic (#PCDATA)>  
<!ELEMENT error-packet-filter-semantic-when-update (#PCDATA)>  
<!ELEMENT error-packet-filter-syntax (#PCDATA)>  
<!ELEMENT error-packet-filter-syntax-when-update (#PCDATA)>  
<!ELEMENT error-reference-invalid (#PCDATA)>  
<!ELEMENT error-reference-invalid-when-delete (#PCDATA)>  
<!ELEMENT error-reference-invalid-when-update (#PCDATA)>  
<!ELEMENT error-request-unfulfilled (#PCDATA)>  
<!ELEMENT error-service-unsupported (#PCDATA)>  
<!ELEMENT error-system-failure (#PCDATA)>  
<!ELEMENT error-system-failure-when-update (#PCDATA)>  
<!ELEMENT error-tft-error-semantic (#PCDATA)>  
<!ELEMENT error-tft-error-semantic-when-update (#PCDATA)>  
<!ELEMENT error-tft-error-syntax (#PCDATA)>  
<!ELEMENT error-tft-error-syntax-when-update (#PCDATA)>  
<!ELEMENT error-unknown-apn (#PCDATA)>  
<!ELEMENT error-unknown-pdp-address-or-type (#PCDATA)>

```
<!ELEMENT error-version-unsupported (#PCDATA)>

<!ELEMENT evaluation-precedence (#PCDATA)>

<!ELEMENT external-address (#PCDATA)>

<!ELEMENT external-credit-update (#PCDATA)>

<!ELEMENT external-credit-update-no-match (#PCDATA)>

<!ELEMENT external-prs-update (#PCDATA)>

<!ELEMENT external-prs-update-no-match (#PCDATA)>

<!ELEMENT external-update-failed (#PCDATA)>

<!ELEMENT failed-encoded-cdrs (#PCDATA)>

<!ELEMENT flow-label (#PCDATA)>

<!ELEMENT gate-discarded-downlink (#PCDATA)>

<!ELEMENT gate-discarded-uplink (#PCDATA)>

<!ELEMENT generated-ftp-cdrs (#PCDATA)>

<!ELEMENT generated-gtpp-cdrs (#PCDATA)>

<!ELEMENT ggsn-interface (service-interface | weighted-pdp-context-load-in-payload
| weighted-pdp-context-load-in-control | external-address | internal-address |
operating-function | hardware-version | software-version | pdp | resources |
tft-statistics | time-started | sbcc-statistics-information)*>

<!ELEMENT ggsn-interface-information (ggsn-interface)*>

<!ELEMENT ggsn-pdp-per-user-category (user-category-line)*>

<!ELEMENT ggsn-statistics (time-started | pdp-context-statistics |
interface-pdp-context-statistics-information | subscriber-count | uplink | downlink
| tft-filter-count | wlan-pdp-context-activation-procedures |
wlan-processed-uplink-bytes | wlan-dropped-uplink-packets |
wlan-processed-uplink-packets | wlan-completed-pdp-context-activations |
wlan-active-pdp-contexts | wlan-processed-downlink-bytes |
wlan-dropped-downlink-packets | wlan-processed-downlink-packets |
weighted-pdp-context-load | sbcc-statistics-information |
charging-statistics-information | radius-statistics-information)*>

<!ELEMENT gi-diffserv-code-point (#PCDATA)>

<!ELEMENT gn-diffserv-code-point (#PCDATA)>

<!ELEMENT gtp-error-statistics (request-accepted | error-indication-received |
error-indication-transmitted | error-version-unsupported |
error-invalid-request-format | error-invalid-request-format-when-update |
error-invalid-request-format-when-delete | error-no-resources |
error-no-dynamic-address-available | error-no-memory | error-unknown-apn |
error-unknown-pdp-address-or-type | error-authentication-failed |
error-system-failure | error-system-failure-when-update | error-tft-error-semantic
| error-tft-error-semantic-when-update | error-tft-error-syntax |
error-tft-error-syntax-when-update | error-packet-filter-semantic |
error-packet-filter-semantic-when-update | error-packet-filter-syntax |
```

```

error-packet-filter-syntax-when-update | error-mandatory-ie-missing |
error-mandatory-ie-missing-when-update | error-mandatory-ie-missing-when-delete
| error-mandatory-ie-invalid | error-mandatory-ie-invalid-when-update |
error-mandatory-ie-invalid-when-delete | error-optional-ie-invalid |
error-optional-ie-invalid-when-update | error-optional-ie-invalid-when-delete |
error-reference-invalid | error-reference-invalid-when-update |
error-reference-invalid-when-delete | error-service-unsupported |
error-already-activated | error-access-denied)*>

<!ELEMENT gtp-prime-error-statistics (error-mandatory-ie-missing |
error-mandatory-ie-invalid | error-optional-ie-invalid | error-reference-invalid)*>

<!ELEMENT gtp-prime-statistics (service-interface | echo-request-statistics |
version-unsupported-statistics | node-alive-request-statistics |
redirection-request-statistics | data-record-transfer-statistics |
gtp-prime-error-statistics)*>

<!ELEMENT gtp-prime-statistics-information (billing-gateway |
gtp-prime-statistics)*>

<!ELEMENT gtp-statistics (service-interface | uplink-packets | uplink-bytes |
downlink-packets | downlink-bytes | dropped-packets | active-tunnels |
created-tunnels | echo-request-statistics | version-unsupported-statistics |
pdp-request-statistics | gtp-error-statistics)*>

<!ELEMENT gtp-statistics-information (gtp-statistics)*>

<!ELEMENT gtp-log-cdrs (#PCDATA)>

<!ELEMENT gtp-send-attempted-cdrs (#PCDATA)>

<!ELEMENT gtp-send-failed-cdrs (#PCDATA)>

<!ELEMENT hardware-version (#PCDATA)>

<!ELEMENT ims-dedicated-completed-activation (#PCDATA)>

<!ELEMENT ims-dedicated-failed-activation (#PCDATA)>

<!ELEMENT ims-general-active-failed-activation (#PCDATA)>

<!ELEMENT ims-general-completed-activation (#PCDATA)>

<!ELEMENT ims-general-failed-activation (#PCDATA)>

<!ELEMENT ims-signalling-packets-drops (#PCDATA)>

<!ELEMENT imsi (#PCDATA)>

<!ELEMENT incoming (packets | bytes)*>

<!ELEMENT inspection-information (packet-inspection)*>

<!ELEMENT interface-action (#PCDATA)>

<!ELEMENT interface-action-results (interface-action | service-interface |
daemon-name)*>

<!ELEMENT interface-pdp-context-deletion (pdp-deleted | service-interface)*>

<!ELEMENT interface-pdp-context-deletion-information

```

```
(interface-pdp-context-deletion)*>

<!ELEMENT interface-pdp-context-statistics (service-interface |
pdp-context-statistics)*>

<!ELEMENT interface-pdp-context-statistics-information
(interface-pdp-context-statistics)*>

<!ELEMENT internal-address (#PCDATA)>

<!ELEMENT l2tp-tunnel-packet-statistics (control-tx-packets | control-rx-packets
| data-tx-packets | data-rx-packets | discard-tx-packets | discard-rx-packets)*>

<!ELEMENT l2tp-tunnel-statistics (local-tid | remote-tid | local-ip | remote-ip
| active-sessions | l2tp-tunnel-packet-statistics)*>

<!ELEMENT l2tp-tunnel-statistics-information (l2tp-tunnel-statistics)*>

<!ELEMENT local-ip (#PCDATA)>

<!ELEMENT local-tid (#PCDATA)>

<!ELEMENT logical-apn-statistics (name | pdp-attempted-activation | pdp-blocked
| default-apn-selected | default-apn-invalid | username-based-apn-selected |
username-based-apn-invalid)*>

<!ELEMENT logical-apn-statistics-information (logical-apn-statistics)*>

<!ELEMENT maximum-tft-filter-depth (#PCDATA)>

<!ELEMENT mean-tft-filter-depth (#PCDATA)>

<!ELEMENT memory-total (#PCDATA)>

<!ELEMENT memory-used (#PCDATA)>

<!ELEMENT mobile-user (imsi | msisdn | pdp-context-information)*>

<!ELEMENT mobile-user-information (mobile-user)*>

<!ELEMENT modification-bearer-ctrl-accept (#PCDATA)>

<!ELEMENT modification-bearer-ctrl-deactivate (#PCDATA)>

<!ELEMENT modification-bearer-ctrl-downgrade (#PCDATA)>

<!ELEMENT modification-bearer-ctrl-upgrade (#PCDATA)>

<!ELEMENT modification-no-bearer-ctrl-accept (#PCDATA)>

<!ELEMENT modification-no-bearer-ctrl-deactivate (#PCDATA)>

<!ELEMENT modification-no-bearer-ctrl-downgrade (#PCDATA)>

<!ELEMENT msisdn (#PCDATA)>

<!ELEMENT name (#PCDATA)>

<!ELEMENT neighbor-solicitation-req-received (#PCDATA)>

<!ELEMENT neighbor-solicitation-req-responded (#PCDATA)>
```

```
<!ELEMENT node-action (#PCDATA)>

<!ELEMENT node-action-results (node-action)*>

<!ELEMENT node-alive-request-statistics (request-received | request-transmitted
| response-received | response-transmitted)*>

<!ELEMENT nsapi (#PCDATA)>

<!ELEMENT nsapi-information (nsapi)*>

<!ELEMENT nsapi-linked (#PCDATA)>

<!ELEMENT number-active (#PCDATA)>

<!ELEMENT number-enabled (#PCDATA)>

<!ELEMENT operating-function (#PCDATA)>

<!ELEMENT outgoing (packets | bytes)*>

<!ELEMENT packet-filter (evaluation-precedence | source-address | source-mask |
source-port-range | destination-port-range | diffserv-code-point | flow-label |
spi | protocol)*>

<!ELEMENT packet-filter-information (packet-filter)*>

<!ELEMENT packet-inspection (#PCDATA)>

<!ELEMENT packets (#PCDATA)>

<!ELEMENT packets-ipv6 (#PCDATA)>

<!ELEMENT pdp (pdp-state | pdp-assigned | pdp-capacity)*>

<!ELEMENT pdp-active (#PCDATA)>

<!ELEMENT pdp-active-background (#PCDATA)>

<!ELEMENT pdp-active-conversational (#PCDATA)>

<!ELEMENT pdp-active-imsi (#PCDATA)>

<!ELEMENT pdp-active-interactive (#PCDATA)>

<!ELEMENT pdp-active-ipv6 (#PCDATA)>

<!ELEMENT pdp-active-l2tp-sessions (#PCDATA)>

<!ELEMENT pdp-active-l2tp-tunnels (#PCDATA)>

<!ELEMENT pdp-active-msisdn (#PCDATA)>

<!ELEMENT pdp-active-streaming (#PCDATA)>

<!ELEMENT pdp-apn-by-logical-apn-default (#PCDATA)>

<!ELEMENT pdp-apn-by-logical-apn-selection (#PCDATA)>

<!ELEMENT pdp-assigned (#PCDATA)>
```

```
<!ELEMENT pdp-assigned-msisdn (#PCDATA)>
<!ELEMENT pdp-assigned-shared-msisdn (#PCDATA)>
<!ELEMENT pdp-attempted-activation (#PCDATA)>
<!ELEMENT pdp-attempted-activation-dhcp (#PCDATA)>
<!ELEMENT pdp-attempted-activation-dynamic (#PCDATA)>
<!ELEMENT pdp-attempted-activation-ipv6 (#PCDATA)>
<!ELEMENT pdp-attempted-activation-local-pool (#PCDATA)>
<!ELEMENT pdp-attempted-activation-radius (#PCDATA)>
<!ELEMENT pdp-attempted-authentication-activation (#PCDATA)>
<!ELEMENT pdp-attempted-deactivation (#PCDATA)>
<!ELEMENT pdp-attempted-mobile-activation (#PCDATA)>
<!ELEMENT pdp-attempted-mobile-deactivation (#PCDATA)>
<!ELEMENT pdp-attempted-mobile-sgsn-update (#PCDATA)>
<!ELEMENT pdp-attempted-node-deactivation (#PCDATA)>
<!ELEMENT pdp-blocked (#PCDATA)>
<!ELEMENT pdp-capacity (#PCDATA)>
<!ELEMENT pdp-completed-activation (#PCDATA)>
<!ELEMENT pdp-completed-activation-dhcp (#PCDATA)>
<!ELEMENT pdp-completed-activation-dynamic (#PCDATA)>
<!ELEMENT pdp-completed-activation-ipv6 (#PCDATA)>
<!ELEMENT pdp-completed-activation-local-pool (#PCDATA)>
<!ELEMENT pdp-completed-activation-radius (#PCDATA)>
<!ELEMENT pdp-completed-authentication-activation (#PCDATA)>
<!ELEMENT pdp-completed-deactivation (#PCDATA)>
<!ELEMENT pdp-completed-idle-deactivation (#PCDATA)>
<!ELEMENT pdp-completed-mobile-activation (#PCDATA)>
<!ELEMENT pdp-completed-mobile-deactivation (#PCDATA)>
<!ELEMENT pdp-completed-mobile-sgsn-update (#PCDATA)>
<!ELEMENT pdp-completed-node-deactivation (#PCDATA)>
<!ELEMENT pdp-completed-session-deactivation (#PCDATA)>
```

```

<!ELEMENT pdp-context (nsapi | nsapi-linked | apn-name | sgsn-address | address
| charging-identifier | quality-of-service | traffic-flow-template-information)*>

<!ELEMENT pdp-context-deletion-results (mobile-user)*>

<!ELEMENT pdp-context-information (pdp-context)*>

<!ELEMENT pdp-context-statistics (pdp-active | pdp-active-conversational |
pdp-active-streaming | pdp-active-interactive | pdp-active-background |
pdp-active-ipv6 | pdp-active-imsi | pdp-active-msisdn | pdp-blocked |
pdp-apn-by-logical-apn-selection | pdp-apn-by-logical-apn-default |
pdp-assigned-msisdn | pdp-assigned-shared-msisdn | pdp-attempted-activation |
pdp-attempted-activation-ipv6 | pdp-completed-activation |
pdp-completed-activation-ipv6 | pdp-attempted-activation-dhcp |
pdp-completed-activation-dhcp | pdp-attempted-activation-radius |
pdp-completed-activation-radius | pdp-attempted-activation-local-pool |
pdp-completed-activation-local-pool | pdp-attempted-activation-dynamic |
pdp-completed-activation-dynamic | pdp-attempted-mobile-activation |
pdp-completed-mobile-activation | pdp-attempted-deactivation |
pdp-completed-deactivation | pdp-attempted-node-deactivation |
pdp-completed-node-deactivation | pdp-completed-idle-deactivation |
pdp-completed-session-deactivation | pdp-attempted-mobile-deactivation |
pdp-completed-mobile-deactivation | pdp-attempted-authentication-activation |
pdp-completed-authentication-activation | pdp-attempted-mobile-sgsn-update |
pdp-completed-mobile-sgsn-update | pdp-created | pdp-created-ipv6 |
pdp-create-failed | pdp-create-failed-ipv6 | pdp-secondary-created |
pdp-secondary-created-ipv6 | pdp-secondary-create-failed |
pdp-secondary-attempted-ipv6 | pdp-secondary-completed-ipv6 | pdp-last-create |
pdp-secondary-create-failed-ipv6 | pdp-updates | pdp-update-failed | pdp-deleted
| pdp-deleted-by-idle-supervision | pdp-deleted-by-session-supervision |
pdp-deleted-by-command | pdp-deleted-by-failure | pdp-delete-failed |
pdp-last-delete | pdp-successful-deactivations | pdp-failed-deactivations |
pdp-maximum | pdp-minimum | pdp-mean | pdp-active-l2tp-tunnels |
pdp-active-l2tp-sessions | pdp-maximum-active-l2tp-tunnels |
pdp-maximum-active-l2tp-sessions | ims-dedicated-completed-activation |
ims-dedicated-failed-activation | ims-general-completed-activation |
ims-general-failed-activation | ims-general-active-failed-activation |
ims-signalling-packets-drops)*>

<!ELEMENT pdp-create-failed (#PCDATA)>

<!ELEMENT pdp-create-failed-ipv6 (#PCDATA)>

<!ELEMENT pdp-created (#PCDATA)>

<!ELEMENT pdp-created-ipv6 (#PCDATA)>

<!ELEMENT pdp-delete-failed (#PCDATA)>

<!ELEMENT pdp-deleted (#PCDATA)>

<!ELEMENT pdp-deleted-by-command (#PCDATA)>

<!ELEMENT pdp-deleted-by-failure (#PCDATA)>

<!ELEMENT pdp-deleted-by-idle-supervision (#PCDATA)>

<!ELEMENT pdp-deleted-by-session-supervision (#PCDATA)>

<!ELEMENT pdp-diagnostics-per-apn (pdp-id)*>

```

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<!ELEMENT pdp-failed-deactivations (#PCDATA)>

<!ELEMENT pdp-id (#PCDATA)>

<!ELEMENT pdp-initiated-deactivation (#PCDATA)>

<!ELEMENT pdp-last-create (#PCDATA)>
<!ATTLIST pdp-last-create junos:seconds CDATA #IMPLIED>

<!ELEMENT pdp-last-delete (#PCDATA)>
<!ATTLIST pdp-last-delete junos:seconds CDATA #IMPLIED>

<!ELEMENT pdp-maximum (#PCDATA)>

<!ELEMENT pdp-maximum-active-l2tp-sessions (#PCDATA)>

<!ELEMENT pdp-maximum-active-l2tp-tunnels (#PCDATA)>

<!ELEMENT pdp-mean (#PCDATA)>

<!ELEMENT pdp-minimum (#PCDATA)>

<!ELEMENT pdp-request-statistics (create-request-received |
create-response-transmitted | update-request-received | update-request-transmitted
| update-response-received | update-response-transmitted | delete-request-received
| delete-request-transmitted | delete-response-received |
delete-response-transmitted)*>

<!ELEMENT pdp-secondary-attempted-ipv6 (#PCDATA)>

<!ELEMENT pdp-secondary-completed-ipv6 (#PCDATA)>

<!ELEMENT pdp-secondary-create-failed (#PCDATA)>

<!ELEMENT pdp-secondary-create-failed-ipv6 (#PCDATA)>

<!ELEMENT pdp-secondary-created (#PCDATA)>

<!ELEMENT pdp-secondary-created-ipv6 (#PCDATA)>

<!ELEMENT pdp-state (#PCDATA)>

<!ELEMENT pdp-successful-deactivations (#PCDATA)>

<!ELEMENT pdp-update-failed (#PCDATA)>

<!ELEMENT pdp-updates (#PCDATA)>

<!ELEMENT pras-identifier (#PCDATA)>

<!ELEMENT pras-information (pras-statistics)*>

<!ELEMENT pras-start-request (#PCDATA)>

<!ELEMENT pras-start-request-failed (#PCDATA)>

<!ELEMENT pras-statistics (pras-identifier | pras-start-request |
pras-start-request-failed | pras-update-request | pras-update-request-failed |
pras-stop-request | pras-stop-request-failed | pras-user-service-denied |
pras-user-unknown)*>
```



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<!ELEMENT pras-stop-request (#PCDATA)>
<!ELEMENT pras-stop-request-failed (#PCDATA)>
<!ELEMENT pras-update-request (#PCDATA)>
<!ELEMENT pras-update-request-failed (#PCDATA)>
<!ELEMENT pras-user-service-denied (#PCDATA)>
<!ELEMENT pras-user-unknown (#PCDATA)>
<!ELEMENT prepaid-context (#PCDATA)>
<!ELEMENT prepaid-pdp-creates-attempted (#PCDATA)>
<!ELEMENT prepaid-pdp-creates-failed (#PCDATA)>
<!ELEMENT prepaid-request (#PCDATA)>
<!ELEMENT prepaid-user (#PCDATA)>
<!ELEMENT protocol (#PCDATA)>
<!ELEMENT quality-of-service (gi-diffserv-code-point | gn-diffserv-code-point |
downlink-bitrate)*>
<!ELEMENT radius-authentication-failure (#PCDATA)>
<!ELEMENT radius-statistics-information (radius-authentication-failure |
accounting-failure)*>
<!ELEMENT rate-group-identifier (#PCDATA)>
<!ELEMENT rate-group-information (rate-group-statistics)*>
<!ELEMENT rate-group-statistics (rate-group-identifier | transactions-start |
transactions-success)*>
<!ELEMENT rating-initial-request-attempted (#PCDATA)>
<!ELEMENT rating-initial-request-failed (#PCDATA)>
<!ELEMENT rating-request (#PCDATA)>
<!ELEMENT rating-update-request-attempted (#PCDATA)>
<!ELEMENT rating-update-request-failed (#PCDATA)>
<!ELEMENT redirection-request-statistics (request-received | request-transmitted
| response-received | response-transmitted)*>
<!ELEMENT remote-ip (#PCDATA)>
<!ELEMENT remote-tid (#PCDATA)>
<!ELEMENT request (#PCDATA)>
<!ELEMENT request-accepted (#PCDATA)>
<!ELEMENT request-received (#PCDATA)>
```

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<!ELEMENT request-transmitted (#PCDATA)>

<!ELEMENT resources (cpu-info | memory-total | memory-used)*>

<!ELEMENT response-received (#PCDATA)>

<!ELEMENT response-transmitted (#PCDATA)>

<!ELEMENT router-solicitation-req-received (#PCDATA)>

<!ELEMENT router-solicitation-req-responded (#PCDATA)>

<!ELEMENT rs-identifier (#PCDATA)>

<!ELEMENT rs-statistics (rs-identifier | uplink-statistics | downlink-statistics
| service-instances | discarded-uplink | discarded-downlink |
gate-discarded-uplink | gate-discarded-downlink)*>

<!ELEMENT rulespace-based-charging-statistics (rs-statistics)*>

<!ELEMENT sbcc-statistics-information (prepaid-request | rating-request |
prepaid-user | prepaid-context | prepaid-pdp-creates-attempted |
prepaid-pdp-creates-failed | pdp-initiated-deactivation |
credit-start-request-attempted | credit-start-request-failed |
rating-initial-request-attempted | rating-initial-request-failed |
rating-update-request-attempted | rating-update-request-failed |
credit-update-request-attempted | credit-update-request-failed |
credit-stop-request-attempted | credit-stop-request-failed | external-prs-update
| external-prs-update-no-match | external-credit-update |
external-credit-update-no-match | external-update-failed | duration-time |
activation-bearer-ctrl-accept | activation-bearer-ctrl-reject |
activation-bearer-ctrl-upgrade | activation-bearer-ctrl-downgrade |
modification-bearer-ctrl-accept | modification-bearer-ctrl-deactivate |
modification-bearer-ctrl-upgrade | modification-bearer-ctrl-downgrade |
activation-no-bearer-ctrl-accept | activation-no-bearer-ctrl-reject |
activation-no-bearer-ctrl-downgrade | modification-no-bearer-ctrl-accept |
modification-no-bearer-ctrl-deactivate | modification-no-bearer-ctrl-downgrade |
das-information | pras-information | ccas-information | service-class-information
| service-identifier-information | rate-group-information |
authorization-discard-information)*>

<!ELEMENT send-data-record-packet (#PCDATA)>

<!ELEMENT service-based-charging-for-gx (ccr-statistics | dynamic-charging-rules
| active-predifened-charging-rules | active-predifened-charging-rulbases)*>

<!ELEMENT service-class-identifier (#PCDATA)>

<!ELEMENT service-class-information (service-class-statistics)*>

<!ELEMENT service-class-source (#PCDATA)>

<!ELEMENT service-class-statistics (service-class-identifier | uplink-bytes |
downlink-bytes | active-time)*>

<!ELEMENT service-id-identifier (#PCDATA)>

<!ELEMENT service-id-information (service-id-statistics)*>

<!ELEMENT service-id-statistics (service-id-identifier | uplink-bytes |
```

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downlink-bytes | transactions-charged | transactions-failed | transactions-start
| transactions-success)*>

<!ELEMENT service-identifier-information (#PCDATA)>

<!ELEMENT service-instances (#PCDATA)>

<!ELEMENT service-interface (#PCDATA)>

<!ELEMENT session-failure (#PCDATA)>

<!ELEMENT sgsn-address (#PCDATA)>

<!ELEMENT sgsn-statistics (address | pdp-context-statistics | uplink | downlink
| gtp-error-statistics)*>

<!ELEMENT sgsn-statistics-information (sgsn-statistics)*>

<!ELEMENT signalling (incoming | outgoing)*>

<!ELEMENT software-action-message (#PCDATA)>

<!ELEMENT software-action-results (software-action-message)*>

<!ELEMENT software-version (#PCDATA)>

<!ELEMENT source-address (#PCDATA)>

<!ELEMENT source-mask (#PCDATA)>

<!ELEMENT source-port-range (#PCDATA)>

<!ELEMENT spi (#PCDATA)>

<!ELEMENT subscriber-count (#PCDATA)>

<!ELEMENT tft-filter-count (#PCDATA)>

<!ELEMENT tft-statistics (maximum-tft-filter-depth | mean-tft-filter-depth)*>

<!ELEMENT time-connected (#PCDATA)>
<ATTLIST time-connected junos:seconds CDATA #IMPLIED>

<!ELEMENT time-started (#PCDATA)>
<ATTLIST time-started junos:seconds CDATA #IMPLIED>

<!ELEMENT traffic-flow-template (packet-filter-information)*>

<!ELEMENT traffic-flow-template-information (traffic-flow-template)*>

<!ELEMENT transactions-charged (#PCDATA)>

<!ELEMENT transactions-failed (#PCDATA)>

<!ELEMENT transactions-start (#PCDATA)>

<!ELEMENT transactions-success (#PCDATA)>

<!ELEMENT update-request-received (#PCDATA)>

<!ELEMENT update-request-transmitted (#PCDATA)>
```

```
<!ELEMENT update-response-received (#PCDATA)>

<!ELEMENT update-response-transmitted (#PCDATA)>

<!ELEMENT uplink (packets | packets-ipv6 | bytes | bytes-ipv6 | dropped-packets
| dropped-packets-ipv6 | dropped-bytes | dropped-bytes-ipv6)*>

<!ELEMENT uplink-bytes (#PCDATA)>

<!ELEMENT uplink-packets (#PCDATA)>

<!ELEMENT uplink-statistics (#PCDATA)>

<!ELEMENT user-category (#PCDATA)>

<!ELEMENT user-category-line (user-category | pdp-active)*>

<!ELEMENT username-based-apn-invalid (#PCDATA)>

<!ELEMENT username-based-apn-selected (#PCDATA)>

<!ELEMENT version-unsupported-received (#PCDATA)>

<!ELEMENT version-unsupported-statistics (version-unsupported-received |
version-unsupported-transmitted)*>

<!ELEMENT version-unsupported-transmitted (#PCDATA)>

<!ELEMENT weighted-pdp-context-load (weighted-pdp-context-load-in-control |
weighted-pdp-context-load-in-payload)*>

<!ELEMENT weighted-pdp-context-load-in-control (#PCDATA)>

<!ELEMENT weighted-pdp-context-load-in-payload (#PCDATA)>

<!ELEMENT wlan-active-pdp-contexts (#PCDATA)>

<!ELEMENT wlan-completed-pdp-context-activations (#PCDATA)>

<!ELEMENT wlan-dropped-downlink-packets (#PCDATA)>

<!ELEMENT wlan-dropped-uplink-packets (#PCDATA)>

<!ELEMENT wlan-pdp-context-activation-procedures (#PCDATA)>

<!ELEMENT wlan-processed-downlink-bytes (#PCDATA)>

<!ELEMENT wlan-processed-downlink-packets (#PCDATA)>

<!ELEMENT wlan-processed-uplink-bytes (#PCDATA)>

<!ELEMENT wlan-processed-uplink-packets (#PCDATA)>
```

## CHAPTER 42

# DTD for GRES Test Point Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-gres-test-point.dtd`, which lists the Junos XML tags that contain information about GRES Test Point. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-gres-test-point.dtd -->

<!ELEMENT actions (trigger-after | delay | trigger-count | hold-database |
kernel-panic | daemon-restart)*>

<!ELEMENT daemon-restart EMPTY>

<!ELEMENT delay (#PCDATA)>

<!ELEMENT description (#PCDATA)>

<!ELEMENT gres-test-point-error (message)*>

<!ELEMENT gres-test-point-information (gres-test-point-list |
gres-test-point-error)*>
<!ATTLIST gres-test-point-information junos:style CDATA #IMPLIED>

<!ELEMENT gres-test-point-list (test-point)*>

<!ELEMENT hit-count (#PCDATA)>

<!ELEMENT hold-database (#PCDATA)>

<!ELEMENT id (#PCDATA)>

<!ELEMENT kernel-panic EMPTY>

<!ELEMENT message (#PCDATA)>

<!ELEMENT state (#PCDATA)>

<!ELEMENT test-point (id | description | state | hit-count | actions)*>

<!ELEMENT trigger-after (#PCDATA)>
```

<!ELEMENT trigger-count (#PCDATA)>

## CHAPTER 43

# DTD for UDP Forwarding Helper Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-helper.dtd`, which lists the Junos XML tags that contain information about UDP Forwarding helpers. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-helper.dtd -->

<!ELEMENT dropped-packets (#PCDATA)>

<!ELEMENT dropped-packets-badaddr (#PCDATA)>

<!ELEMENT dropped-packets-badread (#PCDATA)>

<!ELEMENT dropped-packets-badsend (#PCDATA)>

<!ELEMENT dropped-packets-nointerface (#PCDATA)>

<!ELEMENT dropped-packets-nolocaladdr (#PCDATA)>

<!ELEMENT dropped-packets-noroute (#PCDATA)>

<!ELEMENT dropped-packets-nortinst (#PCDATA)>

<!ELEMENT forwarded-packets (#PCDATA)>

<!ELEMENT helper-statistics-information (helper-statistics-service-information)*>

<!ELEMENT helper-statistics-service-information (service-name | received-packets
| forwarded-packets | dropped-packets | dropped-packets-nointerface |
dropped-packets-nortinst | dropped-packets-badread | dropped-packets-badsend |
dropped-packets-badaddr | dropped-packets-nolocaladdr | dropped-packets-noroute)*>

<!ELEMENT received-packets (#PCDATA)>

<!ELEMENT service-name (#PCDATA)>
```





## CHAPTER 44

# DTD for ICCP Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-iccpd.dtd`, which lists the Junos XML tags that contain information about ICCP. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-iccpd.dtd -->

<!ELEMENT client-name (#PCDATA)>

<!ELEMENT client-rg-groups (#PCDATA)>

<!ELEMENT iccp-client (client-name | client-rg-groups)*>

<!ELEMENT iccp-information (iccp-peer | iccp-client)*>

<!ELEMENT iccp-peer (peer-address | peer-conn-state-information | rg-groups)*>

<!ELEMENT peer-address (#PCDATA)>

<!ELEMENT peer-conn-bfd-state (#PCDATA)>

<!ELEMENT peer-conn-state (peer-conn-tcp-state | peer-conn-bfd-state)*>

<!ELEMENT peer-conn-state-information (peer-conn-state)*>

<!ELEMENT peer-conn-tcp-state (#PCDATA)>

<!ELEMENT redundancy-group (#PCDATA)>

<!ELEMENT rg-group-entry (redundancy-group | rg-state)*>

<!ELEMENT rg-groups (rg-group-entry)*>

<!ELEMENT rg-state (#PCDATA)>
```



## CHAPTER 45

# DTD for IDP Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-idp.dtd`, which lists the Junos XML tags that contain information about IDP. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-idp.dtd -->

<!ELEMENT active-sessions (#PCDATA)>

<!ELEMENT attack-id (#PCDATA)>

<!ELEMENT attack-name (#PCDATA)>

<!ELEMENT attack-service-name (#PCDATA)>

<!ELEMENT auxiliary-flow (#PCDATA)>

<!ELEMENT average-latency-time (#PCDATA)>
<!ATTLIST average-latency-time junos:seconds CDATA #IMPLIED>

<!ELEMENT average-time (#PCDATA)>

<!ELEMENT cache-entries (#PCDATA)>

<!ELEMENT clear-idp-ssl-session-cache-information
(cleared-ssl-session-cache-count)*>

<!ELEMENT cleared-ssl-session-cache-count (#PCDATA)>

<!ELEMENT connections-per-sec (#PCDATA)>

<!ELEMENT context-direction (#PCDATA)>

<!ELEMENT context-name (#PCDATA)>

<!ELEMENT context-value (#PCDATA)>

<!ELEMENT context-values-per-tick (#PCDATA)>

<!ELEMENT contexts-per-tick (#PCDATA)>

<!ELEMENT current-icmp-flow-count (#PCDATA)>
```

```
<!ELEMENT current-other-flow-count (#PCDATA)>

<!ELEMENT current-tcp-flow-count (#PCDATA)>

<!ELEMENT current-udp-flow-count (#PCDATA)>

<!ELEMENT date-time (#PCDATA)>
<!ATTLIST date-time junos:seconds CDATA #IMPLIED>

<!ELEMENT ddos-application (#PCDATA)>

<!ELEMENT ddos-context (#PCDATA)>

<!ELEMENT desc (#PCDATA)>

<!ELEMENT destination-address (#PCDATA)>

<!ELEMENT destination-port (#PCDATA)>

<!ELEMENT detector-version (#PCDATA)>

<!ELEMENT direction (#PCDATA)>

<!ELEMENT from-zone (#PCDATA)>

<!ELEMENT fw-service (#PCDATA)>

<!ELEMENT get-idp-addos-application-information (idp-addos-application)*>

<!ELEMENT get-idp-ssl-session-cache-information (idp-ssl-session-cache-count |
idp-ssl-session-cache-entry)*>

<!ELEMENT icmp-packet-count (#PCDATA)>

<!ELEMENT icmp-session-count (#PCDATA)>

<!ELEMENT id (#PCDATA)>

<!ELEMENT idp-addos-application (to-zone | destination-address | ddos-application
| connections-per-sec | ddos-context | contexts-per-tick | context-value |
context-values-per-tick)*>
<!ATTLIST idp-addos-application junos:style CDATA #IMPLIED>

<!ELEMENT idp-anomaly (attack-service-name | service-id | attack-name |
attack-id)*>

<!ELEMENT idp-anomaly-list (idp-anomaly)*>

<!ELEMENT idp-application (#PCDATA)>

<!ELEMENT idp-application-statistics (name | value)*>

<!ELEMENT idp-application-statistics-information (idp-application-statistics)*>

<!ELEMENT idp-application-system-cache-information
(idp-application-system-cache-pic)*>

<!ELEMENT idp-application-system-cache-pic (pic-name |
idp-application-system-cache-statistics)*>
```

```

<!ELEMENT idp-application-system-cache-statistics (virtual-system-identifier |
ip-address | ipv6-address | port | protocol | idp-service | idp-application)*>

<!ELEMENT idp-attack-description (#PCDATA)>

<!ELEMENT idp-attack-description-information (idp-attack-description)*>

<!ELEMENT idp-attack-detail-category (#PCDATA)>

<!ELEMENT idp-attack-detail-direction (#PCDATA)>

<!ELEMENT idp-attack-detail-falsepos (#PCDATA)>

<!ELEMENT idp-attack-detail-information (idp-attack-detail-name |
idp-attack-detail-severity | idp-attack-detail-category |
idp-attack-detail-recommended | idp-attack-detail-recoact | idp-attack-detail-type
| idp-attack-detail-direction | idp-attack-detail-falsepos |
idp-attack-detail-service)*>

<!ELEMENT idp-attack-detail-name (#PCDATA)>

<!ELEMENT idp-attack-detail-recoact (#PCDATA)>

<!ELEMENT idp-attack-detail-recommended (#PCDATA)>

<!ELEMENT idp-attack-detail-service (#PCDATA)>

<!ELEMENT idp-attack-detail-severity (#PCDATA)>

<!ELEMENT idp-attack-detail-type (#PCDATA)>

<!ELEMENT idp-attack-groups (name)*>

<!ELEMENT idp-attack-information (idp-attack-statistics)*>

<!ELEMENT idp-attack-statistics (name | value)*>

<!ELEMENT idp-attacks-list (name)*>

<!ELEMENT idp-cache-aggregate-statistics (total-memory-used | cache-entries |
single-rules | multiple-rules)*>

<!ELEMENT idp-cache-rule (rule-pointer | rule-number | idp-service | protocol |
direction | auxiliary-flow | line-separator | memory-bytes)*>

<!ELEMENT idp-cache-rule-statistics (idp-cache-rule)*>

<!ELEMENT idp-cache-service (idp-service | memory-in-kb)*>

<!ELEMENT idp-cache-service-memory-statistics (idp-cache-service)*>

<!ELEMENT idp-cache-statistics (idp-cache-rule-statistics |
idp-cache-service-memory-statistics | idp-cache-aggregate-statistics)*>

<!ELEMENT idp-context-list (idp-contexts)*>

<!ELEMENT idp-contexts (service-name | context-name | offset-id |
context-direction)*>

<!ELEMENT idp-counter-information (idp-counter-statistics)*>

```

```
<!ELEMENT idp-counter-statistics (name | value)*>

<!ELEMENT idp-detail-status-information (idp-status-detail-per-spu-information)*>

<!ELEMENT idp-detector-version (#PCDATA)>

<!ELEMENT idp-detector-versions (#PCDATA)>

<!ELEMENT idp-forwarding-process-mode (#PCDATA)>

<!ELEMENT idp-icmp-flow-count (current-icmp-flow-count | maximum-icmp-flow-count
| maximum-icmp-flow-count-time | date-time)*>

<!ELEMENT idp-kbits-per-second (#PCDATA)>

<!ELEMENT idp-kbits-per-second-information (idp-kbits-per-second |
idp-peak-kbits-per-second | date-time)*>

<!ELEMENT idp-kbits-spu-per-second-information (idp-kbits-per-second |
idp-peak-kbits-per-second | date-time)*>

<!ELEMENT idp-latency (minimum-latency-time | maximum-latency-time |
average-latency-time)*>

<!ELEMENT idp-lsys-policy-association (idp-lsys-policy-association-entry)*>

<!ELEMENT idp-lsys-policy-association-entry (idp-policy-name |
logical-system-name)*>

<!ELEMENT idp-memory-information (idp-memory-per-spu-information)*>

<!ELEMENT idp-memory-per-spu-information (pic-name |
total-idp-data-plane-memory-in-mb | total-idp-data-plane-memory-used-in-mb |
total-idp-data-plane-memory-used-in-kb |
total-idp-data-plane-memory-used-in-percentage |
total-idp-data-plane-memory-available-in-mb |
total-idp-data-plane-memory-available-in-kb |
total-idp-data-plane-memory-available-in-percentage)*>

<!ELEMENT idp-mode (idp-forwarding-process-mode)*>

<!ELEMENT idp-other-flow-count (current-other-flow-count | maximum-other-flow-count
| maximum-other-flow-count-time | date-time)*>

<!ELEMENT idp-packet-count (icmp-packet-count | tcp-packet-count | udp-packet-count
| other-packet-count)*>

<!ELEMENT idp-packets-per-second (#PCDATA)>

<!ELEMENT idp-packets-per-second-information (idp-packets-per-second |
idp-peak-packets-per-second | date-time)*>

<!ELEMENT idp-packets-spu-per-second-information (idp-packets-per-second |
idp-peak-packets-per-second | date-time)*>

<!ELEMENT idp-peak-kbits-per-second (#PCDATA)>

<!ELEMENT idp-peak-packets-per-second (#PCDATA)>

<!ELEMENT idp-policy (policy-load-templates)*>
```

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<!ELEMENT idp-policy-commit-status (policy-commit-status-detail)*>

<!ELEMENT idp-policy-list-entry (id | policy-name | sessions | memory |
idp-detector-versions)*>

<!ELEMENT idp-policy-load-result (#PCDATA)>

<!ELEMENT idp-policy-name (#PCDATA)>

<!ELEMENT idp-policy-template-information (#PCDATA)>

<!ELEMENT idp-predefined-attack-groups (idp-attack-groups)*>

<!ELEMENT idp-predefined-attacks (idp-attacks-list)*>

<!ELEMENT idp-protocol-list (idp-protocols)*>

<!ELEMENT idp-protocols (protocol-name | protocol-type | port-number |
line-seperator | scope)*>

<!ELEMENT idp-qmodule (name | minimum-time | maximum-time | average-time |
number-of-packets | number-of-packets-dropped | number-of-error-packets)*>

<!ELEMENT idp-qmodule-information (idp-qmodule)*>

<!ELEMENT idp-recent-security-package-information
(recent-security-package-version)*>

<!ELEMENT idp-rule-information (idp-rule-name | idp-rulebase-type)*>

<!ELEMENT idp-rule-name (#PCDATA)>

<!ELEMENT idp-rulebase (idp-rule-information)*>

<!ELEMENT idp-rulebase-type (idp-rulebase-type-name | number-of-rules)*>

<!ELEMENT idp-rulebase-type-name (#PCDATA)>

<!ELEMENT idp-security-package-information (security-package-version |
detector-version | policy-template-version)*>

<!ELEMENT idp-service (#PCDATA)>

<!ELEMENT idp-session (session-identifier | source-address | source-port |
destination-address | destination-port | from-zone | to-zone | protocol |
idp-service | fw-service | timeout | maximum-timeout)*>

<!ELEMENT idp-session-count (icmp-session-count | tcp-session-count |
udp-session-count | other-session-count)*>

<!ELEMENT idp-session-information (idp-session)*>

<!ELEMENT idp-session-summary-information (idp-session-summary-per-pic-information
| total-sessions)*>

<!ELEMENT idp-session-summary-per-pic-information (pic-name | maximum-sessions |
active-sessions)*>

<!ELEMENT idp-sigdb-version (#PCDATA)>

<!ELEMENT idp-spu-icmp-flow-count (current-icmp-flow-count |

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maximum-icmp-flow-count | maximum-icmp-flow-count-time | date-time)*>

<!ELEMENT idp-spu-latency (minimum-latency-time | maximum-latency-time |
average-latency-time)*>

<!ELEMENT idp-spu-other-flow-count (current-other-flow-count |
maximum-other-flow-count | maximum-other-flow-count-time | date-time)*>

<!ELEMENT idp-spu-packet-count (icmp-packet-count | tcp-packet-count |
udp-packet-count | other-packet-count)*>

<!ELEMENT idp-spu-session-count (icmp-session-count | tcp-session-count |
udp-session-count | other-session-count)*>

<!ELEMENT idp-spu-ssl-session-information (ssl-session-count)*>

<!ELEMENT idp-spu-tcp-flow-count (current-tcp-flow-count | maximum-tcp-flow-count
| maximum-tcp-flow-count-time | date-time)*>

<!ELEMENT idp-spu-udp-flow-count (current-udp-flow-count | maximum-udp-flow-count
| maximum-udp-flow-count-time | date-time)*>

<!ELEMENT idp-spu-uptime (pic-name | idp-status | date-time | time-length)*>

<!ELEMENT idp-ssl-key-count (#PCDATA)>

<!ELEMENT idp-ssl-key-information (idp-ssl-key-count | idp-ssl-per-key-information
| idp-ssl-port-per-key-information)*>

<!ELEMENT idp-ssl-per-key-information (key-name | destination-address)*>

<!ELEMENT idp-ssl-port-per-key-information (key-name | destination-address |
destination-port)*>

<!ELEMENT idp-ssl-session-cache-count (#PCDATA)>

<!ELEMENT idp-ssl-session-cache-entry (ssl-session-identifier)*>

<!ELEMENT idp-ssl-session-information (ssl-session-count)*>

<!ELEMENT idp-status (#PCDATA)>

<!ELEMENT idp-status-detail-per-spu-information (idp-spu-uptime |
idp-packets-spu-per-second-information | idp-kbits-spu-per-second-information |
idp-spu-latency | idp-spu-packet-count | idp-spu-icmp-flow-count |
idp-spu-tcp-flow-count | idp-spu-udp-flow-count | idp-spu-other-flow-count |
idp-spu-session-count | idp-spu-ssl-session-information)*>

<!ELEMENT idp-status-information (idp-uptime | idp-packets-per-second-information
| idp-kbits-per-second-information | idp-latency | idp-packet-count |
idp-icmp-flow-count | idp-tcp-flow-count | idp-udp-flow-count |
idp-other-flow-count | idp-session-count | idp-ssl-session-information)*>

<!ELEMENT idp-subscriber-policy-list (idp-subscriber-policy-per-pic-information)*>

<!ELEMENT idp-subscriber-policy-per-pic-information (pic-name |
idp-policy-list-entry)*>

<!ELEMENT idp-tcp-flow-count (current-tcp-flow-count | maximum-tcp-flow-count |
maximum-tcp-flow-count-time | date-time)*>
```



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<!ELEMENT idp-udp-flow-count (current-udp-flow-count | maximum-udp-flow-count |
maximum-udp-flow-count-time | date-time)*>

<!ELEMENT idp-uptime (idp-status | date-time | time-length)*>

<!ELEMENT idp-version-information (idp-policy-name | idp-detector-version |
idp-sigdb-version)*>

<!ELEMENT ip-address (#PCDATA)>

<!ELEMENT ipv6-address (#PCDATA)>

<!ELEMENT key-name (#PCDATA)>

<!ELEMENT key-number (#PCDATA)>

<!ELEMENT line-separator (#PCDATA)>

<!ELEMENT line-seperator (#PCDATA)>

<!ELEMENT logical-system-name (#PCDATA)>

<!ELEMENT maximum-icmp-flow-count (#PCDATA)>

<!ELEMENT maximum-icmp-flow-count-time (#PCDATA)>
<!ATTLIST maximum-icmp-flow-count-time junos:seconds CDATA #IMPLIED>
<!ATTLIST maximum-icmp-flow-count-time junos:seconds CDATA #IMPLIED>

<!ELEMENT maximum-latency-time (#PCDATA)>
<!ATTLIST maximum-latency-time junos:seconds CDATA #IMPLIED>

<!ELEMENT maximum-other-flow-count (#PCDATA)>

<!ELEMENT maximum-other-flow-count-time (#PCDATA)>
<!ATTLIST maximum-other-flow-count-time junos:seconds CDATA #IMPLIED>
<!ATTLIST maximum-other-flow-count-time junos:seconds CDATA #IMPLIED>

<!ELEMENT maximum-sessions (#PCDATA)>

<!ELEMENT maximum-tcp-flow-count (#PCDATA)>

<!ELEMENT maximum-tcp-flow-count-time (#PCDATA)>
<!ATTLIST maximum-tcp-flow-count-time junos:seconds CDATA #IMPLIED>
<!ATTLIST maximum-tcp-flow-count-time junos:seconds CDATA #IMPLIED>

<!ELEMENT maximum-time (#PCDATA)>

<!ELEMENT maximum-timeout (#PCDATA)>

<!ELEMENT maximum-udp-flow-count (#PCDATA)>

<!ELEMENT maximum-udp-flow-count-time (#PCDATA)>
<!ATTLIST maximum-udp-flow-count-time junos:seconds CDATA #IMPLIED>
<!ATTLIST maximum-udp-flow-count-time junos:seconds CDATA #IMPLIED>

<!ELEMENT memory (#PCDATA)>

<!ELEMENT memory-bytes (#PCDATA)>

<!ELEMENT memory-in-kb (#PCDATA)>
```

```
<!ELEMENT minimum-latency-time (#PCDATA)>
<!ATTLIST minimum-latency-time junos:seconds CDATA #IMPLIED>

<!ELEMENT minimum-time (#PCDATA)>

<!ELEMENT multiple-rules (#PCDATA)>

<!ELEMENT name (#PCDATA)>

<!ELEMENT number-of-error-packets (#PCDATA)>

<!ELEMENT number-of-packets (#PCDATA)>

<!ELEMENT number-of-packets-dropped (#PCDATA)>

<!ELEMENT number-of-rules (#PCDATA)>

<!ELEMENT offset-id (#PCDATA)>

<!ELEMENT other-packet-count (#PCDATA)>

<!ELEMENT other-session-count (#PCDATA)>

<!ELEMENT pic-name (#PCDATA)>

<!ELEMENT policy-commit-status-detail (#PCDATA)>

<!ELEMENT policy-load-templates (desc)*>

<!ELEMENT policy-name (#PCDATA)>

<!ELEMENT policy-template-version (#PCDATA)>

<!ELEMENT port (#PCDATA)>

<!ELEMENT port-number (#PCDATA)>

<!ELEMENT protocol (#PCDATA)>

<!ELEMENT protocol-name (#PCDATA)>

<!ELEMENT protocol-type (#PCDATA)>

<!ELEMENT recent-security-package-version (#PCDATA)>

<!ELEMENT request-idp-policy-load (idp-policy-load-result)*>

<!ELEMENT request-idp-ssl-key-add (#PCDATA)>

<!ELEMENT request-idp-ssl-key-delete (key-number | server-number)*>

<!ELEMENT rule-number (#PCDATA)>

<!ELEMENT rule-pointer (#PCDATA)>

<!ELEMENT scope (#PCDATA)>

<!ELEMENT secpack-download-policy-template-detail (#PCDATA)>

<!ELEMENT secpack-download-policy-template-file
(secpack-download-policy-template-file-detail)*>
```

```
<!ELEMENT secpack-download-policy-template-file-detail (#PCDATA)>

<!ELEMENT secpack-download-policy-template-result
(secpack-download-policy-template-detail)*>

<!ELEMENT secpack-download-status (secpack-download-status-detail)*>

<!ELEMENT secpack-download-status-detail (#PCDATA)>

<!ELEMENT secpack-status-detail (#PCDATA)>

<!ELEMENT secpack-update-policy-template-detail (#PCDATA)>

<!ELEMENT secpack-update-policy-template-result
(secpack-update-policy-template-detail)*>

<!ELEMENT secpack-update-status (secpack-status-detail)*>

<!ELEMENT security-package-version (#PCDATA)>

<!ELEMENT server-number (#PCDATA)>

<!ELEMENT service-id (#PCDATA)>

<!ELEMENT service-name (#PCDATA)>

<!ELEMENT session-identifier (#PCDATA)>

<!ELEMENT sessions (#PCDATA)>

<!ELEMENT single-rules (#PCDATA)>

<!ELEMENT source-address (#PCDATA)>

<!ELEMENT source-port (#PCDATA)>

<!ELEMENT ssl-session-count (#PCDATA)>

<!ELEMENT ssl-session-identifier (#PCDATA)>

<!ELEMENT tcp-packet-count (#PCDATA)>

<!ELEMENT tcp-session-count (#PCDATA)>

<!ELEMENT time-length (#PCDATA)>
<!-- ATTENTION: time-length junos:seconds CDATA #IMPLIED -->

<!ELEMENT timeout (#PCDATA)>

<!ELEMENT to-zone (#PCDATA)>

<!ELEMENT total-idp-data-plane-memory-available-in-kb (#PCDATA)>

<!ELEMENT total-idp-data-plane-memory-available-in-mb (#PCDATA)>

<!ELEMENT total-idp-data-plane-memory-available-in-percentage (#PCDATA)>

<!ELEMENT total-idp-data-plane-memory-in-mb (#PCDATA)>

<!ELEMENT total-idp-data-plane-memory-used-in-kb (#PCDATA)>
```

```
<!ELEMENT total-idp-data-plane-memory-used-in-mb (#PCDATA)>  
<!ELEMENT total-idp-data-plane-memory-used-in-percentage (#PCDATA)>  
<!ELEMENT total-memory-used (#PCDATA)>  
<!ELEMENT total-sessions (#PCDATA)>  
<!ELEMENT udp-packet-count (#PCDATA)>  
<!ELEMENT udp-session-count (#PCDATA)>  
<!ELEMENT value (#PCDATA)>  
<!ELEMENT virtual-system-identifier (#PCDATA)>
```

# DTD for Interface Metadata Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-interface-metadata.dtd`, which lists the Junos XML tags that contain information about Interface Metadata. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-interface-metadata.dtd -->

<!ELEMENT channels (subunit)*>

<!ELEMENT flag (#PCDATA)>

<!ELEMENT interface (name | long | pics-per-slot | ports-per-slot | max-mtu |
flag | channels | max-channelization | product)*>

<!ELEMENT interface-metadata-information (interface)*>

<!ELEMENT long (#PCDATA)>

<!ELEMENT max-channelization (#PCDATA)>

<!ELEMENT max-mtu (#PCDATA)>

<!ELEMENT name (#PCDATA)>

<!ELEMENT pics-per-slot (#PCDATA)>

<!ELEMENT ports-per-slot (#PCDATA)>

<!ELEMENT product (#PCDATA)>

<!ELEMENT subunit (#PCDATA)>
```



# DTD for Interfaces Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-interface.dtd`, which lists the Junos XML tags that contain information about interfaces. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-interface.dtd -->

<!ELEMENT ac-name (#PCDATA)>

<!ELEMENT ac-name-config (#PCDATA)>

<!ELEMENT ac-name-session (#PCDATA)>

<!ELEMENT activation-delay (#PCDATA)>

<!ELEMENT activation-delay-elapsed (#PCDATA)>

<!ELEMENT active-alarms (type | interface-alarms)*>

<!ELEMENT active-alarms-otn (type-otn | interface-alarms)*>

<!ELEMENT active-bundle-links (#PCDATA)>

<!ELEMENT active-defects (type | interface-alarms)*>

<!ELEMENT active-defects-otn (type-otn | interface-alarms)*>

<!ELEMENT active-sessions (#PCDATA)>

<!ELEMENT address-family (compression-device-name | address-family-name |
multilink-bundle-name | as-bundle-name | ae-bundle-name | es-sa-name |
es-sa-fail-count | es-sa-xmt-seq-num | es-sa-recv-seq-num | mtu | maximum-labels
| address-family-flags | address-family-unnumbered | arp-respond-any-local-address
| pppoe-underlying-information | generation | route-table | filter-information
| policer-information | interface-address | mac-validate-statistics |
route-rpf-statistics | destination-class-statistics | source-class-statistics)*>

<!ELEMENT address-family-flags (iff-none | iff-primary | iff-redirects |
iff-no-redirects | iff-no-neighbor-learn | iff-targeted-broadcast |
iff-sendbcst-pkt-to-re | iff-hard-down | iff-down | iff-up | iff-func1 |
iff-func2 | iff-is-primary | iff-recv-options | iff-recv-ttl-exceeded |
iff-dst-class-usage | iff-src-class-input | iff-src-class-output |
```

```
iff-mtu-user-conf | iff-mac-validate-strict | iff-mac-validate-loose |
iff-rpf-check | iff-rpf-loose-mode | iff-sample-input | iff-sample-output |
iff-no-asynch-notification | iff-negotiate-address | iff-port-mode-trunk |
iff-mtu-protocol-adj | iff-unnumbered | iff-tcc-mps | iff-tcc-inet |
iff-tcc-inet6 | iff-tcc-iso | iff-port-mode-isid-trunk | generic-value)*>

<!ELEMENT address-family-name (#PCDATA)>

<!ELEMENT address-family-unnumbered (unnumbered-family-donor-interface-name |
unnumbered-family-donor-interface-index |
unnumbered-family-preferred-source-address)*>

<!ELEMENT admin-state (#PCDATA)>

<!ELEMENT admin-status (#PCDATA)>
<ATTLIST admin-status junos:format CDATA #IMPLIED>

<!ELEMENT adsl-annex-type (#PCDATA)>

<!ELEMENT adsl-last-fail-code (#PCDATA)>

<!ELEMENT adsl-seconds-in-showtime (#PCDATA)>

<!ELEMENT adsl-subfunction (#PCDATA)>

<!ELEMENT ae-bundle-name (#PCDATA)>

<!ELEMENT aged-packets (#PCDATA)>

<!ELEMENT agent-circuit-id (#PCDATA)>

<!ELEMENT agent-remote-id (#PCDATA)>

<!ELEMENT alarm-not-present EMPTY>

<!ELEMENT alternate-physical-address (#PCDATA)>

<!ELEMENT apd-supply-fault-alarm (#PCDATA)>

<!ELEMENT arp-respond-any-local-address (#PCDATA)>

<!ELEMENT as-bundle-name (#PCDATA)>

<!ELEMENT atm-cos-information (vc-cos-mode | atm-cos-queue)*>
<ATTLIST atm-cos-information junos:style CDATA #IMPLIED>

<!ELEMENT atm-cos-plp-statistics (atm-plp0-output-bytes | atm-plp1-output-bytes
| atm-plp0-output-packets | atm-plp1-output-packets | atm-plp0-byte-drops |
atm-plp1-byte-drops | atm-plp0-packet-drops | atm-plp1-packet-drops)*>

<!ELEMENT atm-cos-queue (atm-cos-queue-parameters | atm-cos-queue-statistics |
atm-cos-plp-statistics)*>

<!ELEMENT atm-cos-queue-parameters (cos-forwarding-class-name | cos-queue-number
| scheduling-priority | transmit-weight-cells | transmit-weight-percent |
epd-threshold | epd-threshold-plp0 | epd-threshold-plp1 |
linear-red-drop-profile)*>

<!ELEMENT atm-cos-queue-statistics (atm-output-bytes | atm-output-packets |
atm-packet-drops)*>
```



```
<!ELEMENT atm-defects (media-alarm)*>

<!ELEMENT atm-e3-framing (#PCDATA)>

<!ELEMENT atm-encapsulation (#PCDATA)>

<!ELEMENT atm-hcs-state (#PCDATA)>

<!ELEMENT atm-information (plcp-defects | atm-defects | plcp-statistics |
atm-hcs-state | atm-loss-of-cell | atm-statistics)*>

<!ELEMENT atm-line-build-out (#PCDATA)>

<!ELEMENT atm-loss-of-cell (#PCDATA)>

<!ELEMENT atm-output-bytes (#PCDATA)>

<!ELEMENT atm-output-packets (#PCDATA)>

<!ELEMENT atm-packet-drops (#PCDATA)>

<!ELEMENT atm-plp0-byte-drops (#PCDATA)>

<!ELEMENT atm-plp0-output-bytes (#PCDATA)>

<!ELEMENT atm-plp0-output-packets (#PCDATA)>

<!ELEMENT atm-plp0-packet-drops (#PCDATA)>

<!ELEMENT atm-plp1-byte-drops (#PCDATA)>

<!ELEMENT atm-plp1-output-bytes (#PCDATA)>

<!ELEMENT atm-plp1-output-packets (#PCDATA)>

<!ELEMENT atm-plp1-packet-drops (#PCDATA)>

<!ELEMENT atm-policer-statistics (non-conform-clp0-cells | non-conform-clp1-cells
| tagged-cells)*>

<!ELEMENT atm-statistics (uncorrectable-hcs-errors | correctable-hcs-errors |
tx-cell-fifo-overruns | rx-cell-fifo-overruns | rx-cell-fifo-underruns |
rx-cell-count | tx-cell-count | tx-idle-cell-count | vc-queue-drops | no-buffers
| length-errors | timeouts | bundle-timeouts | rx-invalid-vcs | bad-crcs |
oam-cell-no-buffers)*>

<!ELEMENT atm-tm-cbr EMPTY>

<!ELEMENT atm-tm-rtvbr EMPTY>

<!ELEMENT atm-tm-vbr EMPTY>

<!ELEMENT atu-c-country-code (#PCDATA)>

<!ELEMENT atu-c-vendor-id (#PCDATA)>

<!ELEMENT atu-c-vendor-specific (#PCDATA)>

<!ELEMENT atu-r-country-code (#PCDATA)>

<!ELEMENT atu-r-vendor-id (#PCDATA)>
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<!ELEMENT atu-r-vendor-specific (#PCDATA)>

<!ELEMENT auto-negotiation (#PCDATA)>

<!ELEMENT auto-reconnect (#PCDATA)>

<!ELEMENT autonegotiation-status (#PCDATA)>

<!ELEMENT backup EMPTY>

<!ELEMENT bad-crcs (#PCDATA)>

<!ELEMENT bad-hardware-length-count (#PCDATA)>

<!ELEMENT bad-packet-length-count (#PCDATA)>

<!ELEMENT bad-protocol-count (#PCDATA)>

<!ELEMENT bad-protocol-length-count (#PCDATA)>

<!ELEMENT bandwidth (#PCDATA)>

<!ELEMENT baud-rate (#PCDATA)>

<!ELEMENT ber-sd (#PCDATA)>

<!ELEMENT ber-sf (#PCDATA)>

<!ELEMENT ber-threshold (ber-sd | ber-sf)*>

<!ELEMENT bipe-count (#PCDATA)>

<!ELEMENT bipe-seconds (#PCDATA)>

<!ELEMENT bit-error-seconds (#PCDATA)>

<!ELEMENT bpdu-error (#PCDATA)>

<!ELEMENT bridge-iff-properties (svlan-ethertype | eth-switching-flags)*>

<!ELEMENT buffer-to-buffer-credit-recovery-lost-frames (#PCDATA)>

<!ELEMENT buffer-to-buffer-credit-recovery-lost-rrdys (#PCDATA)>

<!ELEMENT bundle (multilink-frames | network-frames)*>

<!ELEMENT bundle-class (#PCDATA)>

<!ELEMENT bundle-detail (fragments | non-fragments | lfi)*>

<!ELEMENT bundle-timeouts (#PCDATA)>

<!ELEMENT burst (#PCDATA)>

<!ELEMENT call-direction (#PCDATA)>

<!ELEMENT call-duration (#PCDATA)>

<!ELEMENT call-idle-timeout (#PCDATA)>
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<!ELEMENT call-status (#PCDATA)>

<!ELEMENT callback-wait-period (#PCDATA)>

<!ELEMENT callback-wait-period-elapsed (#PCDATA)>

<!ELEMENT cam-destination-filter-count (#PCDATA)>

<!ELEMENT cam-source-filter-count (#PCDATA)>

<!ELEMENT carrier-transitions (#PCDATA)>

<!ELEMENT cascade-port (#PCDATA)>

<!ELEMENT cds1-information (interface-tx-queue)*>

<!ELEMENT cdvt (#PCDATA)>

<!ELEMENT ce-counter-bytes (#PCDATA)>

<!ELEMENT ce-counter-count (#PCDATA)>

<!ELEMENT ce-counter-name (#PCDATA)>

<!ELEMENT ce-counter-packets (#PCDATA)>

<!ELEMENT ce-excessive-packet-loss-rate-sample-period (#PCDATA)>

<!ELEMENT ce-excessive-packet-loss-rate-threshold (#PCDATA)>

<!ELEMENT ce-idle-pattern (#PCDATA)>

<!ELEMENT ce-jitter-buffer-auto-adjust (#PCDATA)>

<!ELEMENT ce-jitter-buffer-latency (#PCDATA)>

<!ELEMENT ce-jitter-buffer-packets (#PCDATA)>

<!ELEMENT ce-octet-aligned (#PCDATA)>

<!ELEMENT ce-packetization-latency (#PCDATA)>

<!ELEMENT ce-payload-size (#PCDATA)>

<!ELEMENT cell-bundle-size (#PCDATA)>

<!ELEMENT cell-bundle-timeout (#PCDATA)>

<!ELEMENT cell-timeout-count (#PCDATA)>

<!ELEMENT cesopsn-information (ce-packetization-latency | ce-idle-pattern |
ce-jitter-buffer-packets | ce-jitter-buffer-latency | ce-jitter-buffer-auto-adjust
| ce-excessive-packet-loss-rate-sample-period |
ce-excessive-packet-loss-rate-threshold)*>

<!ELEMENT chap-state (#PCDATA)>

<!ELEMENT chassis-queue-counters (interface-chassis-cos-summary | queue)*>
<!ATTLIST chassis-queue-counters junos:style CDATA #IMPLIED>

<!ELEMENT checksum-fault-alarm (#PCDATA)>

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<!ELEMENT class (class-info | multilink-frames | network-frames)*>

<!ELEMENT class-2-discards (#PCDATA)>

<!ELEMENT class-3-discards (#PCDATA)>

<!ELEMENT class-detail (class-info | fragments | non-fragments)*>

<!ELEMENT class-f-discards (#PCDATA)>

<!ELEMENT class-info (multilink-class-id)*>

<!ELEMENT clock-mode (#PCDATA)>

<!ELEMENT clock-rate (#PCDATA)>

<!ELEMENT clocking (#PCDATA)>

<!ELEMENT clocking-mode (clock-mode)*>

<!ELEMENT clocking-rate (clock-rate)*>

<!ELEMENT compression-device-name (#PCDATA)>

<!ELEMENT control-memory-error (#PCDATA)>

<!ELEMENT controller (name | admin-status | oper-status)*>

<!ELEMENT copy-tos-to-outer-ip-header (#PCDATA)>

<!ELEMENT correctable-hcs-errors (#PCDATA)>

<!ELEMENT cos-direction (#PCDATA)>

<!ELEMENT cos-forwarding-class-name (#PCDATA)>

<!ELEMENT cos-header EMPTY>

<!ELEMENT cos-information (cos-stream-information)*>

<!ELEMENT cos-queue-bandwidth (#PCDATA)>

<!ELEMENT cos-queue-bandwidth-bps (#PCDATA)>

<!ELEMENT cos-queue-bandwidth-bps-remainder (#PCDATA)>

<!ELEMENT cos-queue-bandwidth-remainder (#PCDATA)>

<!ELEMENT cos-queue-buffer (#PCDATA)>

<!ELEMENT cos-queue-buffer-bytes (#PCDATA)>

<!ELEMENT cos-queue-buffer-remainder (#PCDATA)>

<!ELEMENT cos-queue-configuration (cos-queue-number | cos-queue-forwarding-class
| cos-queue-bandwidth | cos-queue-bandwidth-remainder | cos-queue-bandwidth-bps
| cos-queue-bandwidth-bps-remainder | cos-queue-buffer |
cos-queue-buffer-remainder | cos-queue-buffer-bytes | cos-queue-priority |
cos-queue-limit)*>
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<!ELEMENT cos-queue-forwarding-class (#PCDATA)>
<!ELEMENT cos-queue-limit (#PCDATA)>
<!ELEMENT cos-queue-number (#PCDATA)>
<!ELEMENT cos-queue-priority (#PCDATA)>
<!ELEMENT cos-stream-information (cos-direction | cos-queue-configuration)*>
<!ELEMENT crc (#PCDATA)>
<!ELEMENT crtp (crtp-sessions | crtp-statistics)*>
<!ELEMENT crtp-sessions (input-frames | output-frames)*>
<!ELEMENT crtp-statistics (name | input-frames | input-fps | input-bytes |
input-bps | output-frames | output-fps | output-bytes | output-bps)*>
<!ELEMENT ct3-information (interface-tx-queue)*>
<!ELEMENT cts (#PCDATA)>
<!ELEMENT cts-polarity (#PCDATA)>
<!ELEMENT current-differential-delay (#PCDATA)>
<!ELEMENT current-physical-address (#PCDATA)>
<!ELEMENT data-memory-error (#PCDATA)>
<!ELEMENT data-signal (rx-clock)*>
<!ELEMENT dcd (#PCDATA)>
<!ELEMENT dcd-polarity (#PCDATA)>
<!ELEMENT dce-loopback-override (#PCDATA)>
<!ELEMENT dcu-class-bps (#PCDATA)>
<!ELEMENT dcu-class-bytes (#PCDATA)>
<!ELEMENT dcu-class-name (#PCDATA)>
<!ELEMENT dcu-class-packets (#PCDATA)>
<!ELEMENT dcu-class-pps (#PCDATA)>
<!ELEMENT deactivation-delay (#PCDATA)>
<!ELEMENT deactivation-delay-elapsed (#PCDATA)>
<!ELEMENT default-vlan-id (#PCDATA)>
<!ELEMENT demux-inet-prefix (#PCDATA)>
<!ELEMENT demux-inet-prefix-count (#PCDATA)>
<!ELEMENT demux-inet-prefix-type (#PCDATA)>
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<!ELEMENT demux-inet6-prefix (#PCDATA)>

<!ELEMENT demux-inet6-prefix-count (#PCDATA)>

<!ELEMENT demux-inet6-prefix-type (#PCDATA)>

<!ELEMENT demux-information (demux-interface)*>

<!ELEMENT demux-interface (demux-underlying-interface-name |
demux-underlying-interface-index | demux-inet-prefix-type | demux-inet-prefix-count
| demux-inet-prefix | demux-inet6-prefix-type | demux-inet6-prefix-count |
demux-inet6-prefix)*>

<!ELEMENT demux-table-type (#PCDATA)>

<!ELEMENT demux-underlying-interface-index (#PCDATA)>

<!ELEMENT demux-underlying-interface-name (#PCDATA)>

<!ELEMENT denied-count (#PCDATA)>

<!ELEMENT description (#PCDATA)>

<!ELEMENT destination-class (dcu-class-name | dcu-class-packets | dcu-class-bytes
| dcu-class-pps | dcu-class-bps)*>

<!ELEMENT destination-class-statistics (destination-class)*>

<!ELEMENT destination-mask (#PCDATA)>

<!ELEMENT destination-slot (#PCDATA)>

<!ELEMENT dial-string (#PCDATA)>

<!ELEMENT dial-string-list (dial-string)*>
<!--ATTLIST dial-string-list junos:style CDATA #IMPLIED-->

<!ELEMENT dialer-information (dialer-interface | dialer-time-to-disconnect)*>

<!ELEMENT dialer-interface (dialer-interface-name | dialer-interface-state |
dialer-interface-flags | pool-id | primary-interface | dial-string-list |
sub-interface-list | watch-list | activation-delay | deactivation-delay |
activation-delay-elapsed | deactivation-delay-elapsed | call-idle-timeout |
initial-route-check | redial-delay | callback-wait-period |
callback-wait-period-elapsed | load-threshold | load-interval)*>

<!ELEMENT dialer-interface-flags (backup | multilink | watchlist |
interesting-detected)*>

<!ELEMENT dialer-interface-information (dialer-interface)*>
<!--ATTLIST dialer-interface-information junos:style CDATA #IMPLIED-->

<!ELEMENT dialer-interface-name (#PCDATA)>

<!ELEMENT dialer-interface-state (#PCDATA)>

<!ELEMENT dialer-time-to-disconnect (#PCDATA)>

<!ELEMENT disabled-bundle-links (#PCDATA)>

<!ELEMENT dlci (#PCDATA)>
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<!ELEMENT dlci-active (#PCDATA)>

<!ELEMENT dlci-inactive (#PCDATA)>

<!ELEMENT dlci-statistics (dlci-active | dlci-inactive)*>

<!ELEMENT docsis-bpi (#PCDATA)>

<!ELEMENT docsis-information (docsis-status-information | docsis-media-properties
| docsis-security-properties)*>

<!ELEMENT docsis-media-properties (downstream-buffers-used |
downstream-buffers-free | upstream-buffers-used | upstream-buffers-free |
request-opportunity-burst | physical-burst | tuner-frequency | standard-short-grant
| standard-long-grant)*>

<!ELEMENT docsis-mode (#PCDATA)>

<!ELEMENT docsis-security-properties (docsis-bpi | encryption-algorithm |
key-length)*>

<!ELEMENT docsis-state (#PCDATA)>

<!ELEMENT docsis-status-information (docsis-state | docsis-mode |
docsis-upstream-speed | downstream-scanning | ranging | signal-to-noise-ratio |
power)*>

<!ELEMENT docsis-upstream-speed (#PCDATA)>

<!ELEMENT down EMPTY>

<!ELEMENT down-count (#PCDATA)>

<!ELEMENT down-hold-time (#PCDATA)>

<!ELEMENT down-time (#PCDATA)>

<!ELEMENT downstream-buffers-free (#PCDATA)>

<!ELEMENT downstream-buffers-used (#PCDATA)>

<!ELEMENT downstream-scanning (#PCDATA)>

<!ELEMENT drop-timeout (#PCDATA)>

<!ELEMENT dropped-count (#PCDATA)>

<!ELEMENT ds0-bert-algorithm (#PCDATA)>

<!ELEMENT ds0-bert-bit-count (#PCDATA)>

<!ELEMENT ds0-bert-elapsed (#PCDATA)>

<!ELEMENT ds0-bert-error-bit-count (#PCDATA)>

<!ELEMENT ds0-bert-error-rate (#PCDATA)>

<!ELEMENT ds0-bert-induced-error-rate (#PCDATA)>

<!ELEMENT ds0-bert-information (ds0-bert-period | ds0-bert-elapsed |

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ds0-bert-status | ds0-bert-algorithm | ds0-bert-error-rate |  
ds0-bert-induced-error-rate | ds0-bert-bit-count | ds0-bert-error-bit-count |  
ds0-bert-los-status | ds0-bert-los-count | ds0-bert-los-seconds)*>
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<!ELEMENT ds0-bert-los-count (#PCDATA)>
```

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<!ELEMENT ds0-bert-los-seconds (#PCDATA)>
```

```
<!ELEMENT ds0-bert-los-status (#PCDATA)>
```

```
<!ELEMENT ds0-bert-period (#PCDATA)>
```

```
<!ELEMENT ds0-bert-status (#PCDATA)>
```

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<!ELEMENT ds0-byte-encoding (#PCDATA)>
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<!ELEMENT ds0-data-inversion (#PCDATA)>
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<!ELEMENT ds1-alarm-ais EMPTY>
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<!ELEMENT ds1-alarm-crc-major EMPTY>
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<!ELEMENT ds1-alarm-crc-minor EMPTY>
```

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<!ELEMENT ds1-alarm-lof EMPTY>
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<!ELEMENT ds1-alarm-los EMPTY>
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<!ELEMENT ds1-alarm-ylw EMPTY>
```

```
<!ELEMENT ds1-bert-algorithm (#PCDATA)>
```

```
<!ELEMENT ds1-bert-bit-count (#PCDATA)>
```

```
<!ELEMENT ds1-bert-elapsed (#PCDATA)>
```

```
<!ELEMENT ds1-bert-error-bit-count (#PCDATA)>
```

```
<!ELEMENT ds1-bert-error-rate (#PCDATA)>
```

```
<!ELEMENT ds1-bert-induced-error-rate (#PCDATA)>
```

```
<!ELEMENT ds1-bert-information (ds1-bert-period | ds1-bert-elapsed |  
ds1-bert-status | ds1-bert-algorithm | ds1-bert-error-rate |  
ds1-bert-induced-error-rate | ds1-bert-bit-count | ds1-bert-error-bit-count |  
ds1-bert-los-status | ds1-bert-los-count | ds1-bert-los-seconds)*>
```

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<!ELEMENT ds1-bert-los-count (#PCDATA)>
```

```
<!ELEMENT ds1-bert-los-seconds (#PCDATA)>
```

```
<!ELEMENT ds1-bert-los-status (#PCDATA)>
```

```
<!ELEMENT ds1-bert-period (#PCDATA)>
```

```
<!ELEMENT ds1-bert-status (#PCDATA)>
```

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<!ELEMENT ds1-buildout (#PCDATA)>
```

```
<!ELEMENT ds1-byte-encoding (#PCDATA)>
```



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<!ELEMENT ds1-crc-alarm-threshold (ds1-crc-alarm-threshold-major |
ds1-crc-alarm-threshold-minor)*>

<!ELEMENT ds1-crc-alarm-threshold-major (#PCDATA)>

<!ELEMENT ds1-crc-alarm-threshold-minor (#PCDATA)>

<!ELEMENT ds1-data-inversion (#PCDATA)>

<!ELEMENT ds1-framing (#PCDATA)>

<!ELEMENT ds1-line-encoding (#PCDATA)>

<!ELEMENT ds1-timeslots (#PCDATA)>

<!ELEMENT ds3-alarm-ais EMPTY>

<!ELEMENT ds3-alarm-exz EMPTY>

<!ELEMENT ds3-alarm-ferf EMPTY>

<!ELEMENT ds3-alarm-idle EMPTY>

<!ELEMENT ds3-alarm-lcv EMPTY>

<!ELEMENT ds3-alarm-lof EMPTY>

<!ELEMENT ds3-alarm-los EMPTY>

<!ELEMENT ds3-alarm-pll EMPTY>

<!ELEMENT ds3-alarm-ylw EMPTY>

<!ELEMENT ds3-bert-algorithm (#PCDATA)>

<!ELEMENT ds3-bert-bit-count (#PCDATA)>

<!ELEMENT ds3-bert-bit-count-overflow (#PCDATA)>

<!ELEMENT ds3-bert-elapsed (#PCDATA)>

<!ELEMENT ds3-bert-error-bit-count (#PCDATA)>

<!ELEMENT ds3-bert-error-bit-count-overflow (#PCDATA)>

<!ELEMENT ds3-bert-error-rate (#PCDATA)>

<!ELEMENT ds3-bert-induced-error-rate (#PCDATA)>

<!ELEMENT ds3-bert-information (ds3-bert-period | ds3-bert-elapsed |
ds3-bert-status | ds3-bert-algorithm | ds3-bert-error-rate |
ds3-bert-induced-error-rate | ds3-bert-bit-count | ds3-bert-bit-count-overflow |
ds3-bert-error-bit-count | ds3-bert-error-bit-count-overflow | ds3-bert-los-status
| ds3-bert-los-count | ds3-bert-los-seconds)*>

<!ELEMENT ds3-bert-los-count (#PCDATA)>

<!ELEMENT ds3-bert-los-seconds (#PCDATA)>

<!ELEMENT ds3-bert-los-status (#PCDATA)>

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<!ELEMENT ds3-bert-period (#PCDATA)>

<!ELEMENT ds3-bert-status (#PCDATA)>

<!ELEMENT ds3-long-buildout (#PCDATA)>

<!ELEMENT ds3-mode (#PCDATA)>

<!ELEMENT dsl-alarm-far-locdi EMPTY>

<!ELEMENT dsl-alarm-far-locdni EMPTY>

<!ELEMENT dsl-alarm-far-lof EMPTY>

<!ELEMENT dsl-alarm-far-los EMPTY>

<!ELEMENT dsl-alarm-locdi EMPTY>

<!ELEMENT dsl-alarm-locdni EMPTY>

<!ELEMENT dsl-alarm-lof EMPTY>

<!ELEMENT dsl-alarm-lom EMPTY>

<!ELEMENT dsl-alarm-lop EMPTY>

<!ELEMENT dsl-alarm-los EMPTY>

<!ELEMENT dsl-chipset-information (atu-r-vendor-id | atu-c-vendor-id |
atu-r-vendor-specific | atu-c-vendor-specific | atu-r-country-code |
atu-c-country-code)*>

<!ELEMENT dsl-information (dsl-line-status | dsl-line-operating-mode |
dsl-line-type | adsl-annex-type | adsl-last-fail-code | adsl-subfunction |
adsl-seconds-in-showtime | dsl-chipset-information | dsl-statistics)*>

<!ELEMENT dsl-line-operating-mode (#PCDATA)>

<!ELEMENT dsl-line-status (#PCDATA)>

<!ELEMENT dsl-line-type (#PCDATA)>

<!ELEMENT dsl-statistics (near-end-attainable-bitrate | far-end-attainable-bitrate
| near-end-attenuation | far-end-attenuation | near-end-capacity-used |
far-end-capacity-used | near-end-noise-margin | far-end-noise-margin |
near-end-output-power | far-end-output-power | interleaved-rx-cells | fast-rx-cells
| interleaved-tx-cells | fast-tx-cells | near-end-interleaved-bitrate |
near-end-fast-bitrate | far-end-interleaved-bitrate | far-end-fast-bitrate |
near-end-interleaved-crc | near-end-fast-crc | far-end-interleaved-crc |
far-end-fast-crc | near-end-interleaved-hec | near-end-fast-hec |
far-end-interleaved-hec | far-end-fast-hec | near-end-interleaved-fec |
near-end-fast-fec | far-end-interleaved-fec | far-end-fast-fec |
near-end-interleaved-rx-cells | near-end-fast-rx-cells |
near-end-interleaved-tx-cells | near-end-fast-tx-cells)*>

<!ELEMENT dsr (#PCDATA)>

<!ELEMENT dsr-polarity (#PCDATA)>

<!ELEMENT dsu-compatibility-mode (#PCDATA)>
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<!ELEMENT dsu-information (dsu-compatibility-mode | dsu-scrambler | dsu-subrate
| feac-loopback | feac-response | feac-count)*>

<!ELEMENT dsu-scrambler (#PCDATA)>

<!ELEMENT dsu-subrate (#PCDATA)>

<!ELEMENT dtr (#PCDATA)>

<!ELEMENT dtr-circuit (dtr-circuit-mode)*>

<!ELEMENT dtr-circuit-mode (#PCDATA)>

<!ELEMENT dtr-polarity (#PCDATA)>

<!ELEMENT duplex (#PCDATA)>

<!ELEMENT duplicate-protection (#PCDATA)>

<!ELEMENT dynamic-interface-bandwidth (#PCDATA)>

<!ELEMENT dynamic-profile (#PCDATA)>

<!ELEMENT e3-bert-algorithm (#PCDATA)>

<!ELEMENT e3-bert-bit-count (#PCDATA)>

<!ELEMENT e3-bert-bit-count-overflow (#PCDATA)>

<!ELEMENT e3-bert-elapsed (#PCDATA)>

<!ELEMENT e3-bert-error-bit-count (#PCDATA)>

<!ELEMENT e3-bert-error-bit-count-overflow (#PCDATA)>

<!ELEMENT e3-bert-error-rate (#PCDATA)>

<!ELEMENT e3-bert-induced-error-rate (#PCDATA)>

<!ELEMENT e3-bert-information (e3-bert-period | e3-bert-elapsed | e3-bert-status
| e3-bert-algorithm | e3-bert-error-rate | e3-bert-induced-error-rate |
e3-bert-bit-count | e3-bert-bit-count-overflow | e3-bert-error-bit-count |
e3-bert-error-bit-count-overflow | e3-bert-los-status | e3-bert-los-count |
e3-bert-los-seconds)*>

<!ELEMENT e3-bert-los-count (#PCDATA)>

<!ELEMENT e3-bert-los-seconds (#PCDATA)>

<!ELEMENT e3-bert-los-status (#PCDATA)>

<!ELEMENT e3-bert-period (#PCDATA)>

<!ELEMENT e3-bert-status (#PCDATA)>

<!ELEMENT e3-data-inversion (#PCDATA)>

<!ELEMENT e3-framing (#PCDATA)>

<!ELEMENT eia530-control-signal (mode | to-dce | from-dce | to-dte | from-dte)*>

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<!ELEMENT eia530-signal-polarity (dtr-polarity | rts-polarity | dcd-polarity |
dsr-polarity | cts-polarity | tm-polarity)*>

<!ELEMENT encapsulation (#PCDATA)>

<!ELEMENT encryption-algorithm (#PCDATA)>

<!ELEMENT end-vc1 (#PCDATA)>

<!ELEMENT epd-threshold (#PCDATA)>

<!ELEMENT epd-threshold-plp0 (#PCDATA)>

<!ELEMENT epd-threshold-plp1 (#PCDATA)>

<!ELEMENT error-code (#PCDATA)>

<!ELEMENT errored-blocks-seconds (#PCDATA)>

<!ELEMENT es-ifd-stats (total-anti-replay-count |
total-authentication-failure-count)*>

<!ELEMENT es-sa-fail-count (#PCDATA)>

<!ELEMENT es-sa-name (#PCDATA)>

<!ELEMENT es-sa-recv-seq-num (#PCDATA)>

<!ELEMENT es-sa-xmt-seq-num (#PCDATA)>

<!ELEMENT eth-switching-flags (eth-switching-flags-value |
no-mac-learning-status)*>

<!ELEMENT eth-switching-flags-value (#PCDATA)>

<!ELEMENT ether-policer-list (ether-policer-record)*>

<!ELEMENT ether-policer-record (policer-type | out-of-spec-bytes |
out-of-spec-frames)*>

<!ELEMENT ethernet-alarm-lcdp EMPTY>

<!ELEMENT ethernet-alarm-link-down EMPTY>

<!ELEMENT ethernet-autonegotiation (autonegotiation-status | link-partner-status
| link-partner-reason | link-partner-duplexity | link-partner-speed | flow-control
| local-info)*>

<!ELEMENT ethernet-filter-statistics (input-packets | input-reject-count |
input-reject-destination-address-count | input-reject-source-address-count |
output-packets | output-packet-pad-count | output-packet-error-count |
cam-destination-filter-count | cam-source-filter-count)*>
<!--ATTLIST ethernet-filter-statistics junos:style CDATA #IMPLIED-->

<!ELEMENT ethernet-mac-pfc-statistics (input-mac-pfc-frames | mac-pfc-dot1p |
output-mac-pfc-frames)*>
<!--ATTLIST ethernet-mac-pfc-statistics junos:style CDATA #IMPLIED-->

<!ELEMENT ethernet-mac-statistics (input-bytes | input-packets | input-unicasts
| input-broadcasts | input-multicasts | input-crc-errors | input-fifo-errors |
input-mac-control-frames | input-mac-pause-frames | input-oversized-frames |
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input-undersized-frames | input-jabber-frames | input-fragment-frames |
input-vlan-tagged-frames | input-code-violations | input-policer-frame-drops |
input-policer-byte-drops | output-bytes | output-packets | output-unicasts |
output-broadcasts | output-multicasts | output-crc-errors | output-fifo-errors |
output-mac-control-frames | output-mac-pause-frames)*>
<!ATTLIST ethernet-mac-statistics junos:style CDATA #IMPLIED>

<!ELEMENT ethernet-pcs-statistics (bit-error-seconds | errored-blocks-seconds)*>
<!ATTLIST ethernet-pcs-statistics junos:style CDATA #IMPLIED>

<!ELEMENT far-end-attainable-bitrate (#PCDATA)>

<!ELEMENT far-end-attenuation (#PCDATA)>

<!ELEMENT far-end-capacity-used (#PCDATA)>

<!ELEMENT far-end-fast-bitrate (#PCDATA)>

<!ELEMENT far-end-fast-crc (#PCDATA)>

<!ELEMENT far-end-fast-fec (#PCDATA)>

<!ELEMENT far-end-fast-hec (#PCDATA)>

<!ELEMENT far-end-interleaved-bitrate (#PCDATA)>

<!ELEMENT far-end-interleaved-crc (#PCDATA)>

<!ELEMENT far-end-interleaved-fec (#PCDATA)>

<!ELEMENT far-end-interleaved-hec (#PCDATA)>

<!ELEMENT far-end-noise-margin (#PCDATA)>

<!ELEMENT far-end-output-power (#PCDATA)>

<!ELEMENT fast-rx-cells (#PCDATA)>

<!ELEMENT fast-tx-cells (#PCDATA)>

<!ELEMENT feac-count (#PCDATA)>

<!ELEMENT feac-loopback (#PCDATA)>

<!ELEMENT feac-response (#PCDATA)>

<!ELEMENT febe-count (#PCDATA)>

<!ELEMENT febe-seconds (#PCDATA)>

<!ELEMENT fec-corrected-error-ratio (#PCDATA)>

<!ELEMENT fec-corrected-errors (#PCDATA)>

<!ELEMENT fec-mode (#PCDATA)>

<!ELEMENT fec-valid-time (#PCDATA)>

<!ELEMENT ferr-count (#PCDATA)>

<!ELEMENT ferr-seconds (#PCDATA)>

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<!ELEMENT fibrechannel-alarm-link-down EMPTY>

<!ELEMENT fibrechannel-mac-statistics (fibrechannel-mac-statistics-generic |
fibrechannel-mac-statistics-received | fibrechannel-mac-statistics-transmitted)*>
<!--ATTLIST fibrechannel-mac-statistics junos:style CDATA #IMPLIED-->

<!ELEMENT fibrechannel-mac-statistics-generic (link-failures | loss-of-sync |
loss-of-signal | sw-link-resets | buffer-to-buffer-credit-recovery-lost-frames |
buffer-to-buffer-credit-recovery-lost-rrdys)*>

<!ELEMENT fibrechannel-mac-statistics-received (rx-class-2-frames |
rx-class-3-frames | rx-class-f-frames | rx-class-2-octets | rx-class-3-octets |
rx-class-f-octets | class-2-discards | class-3-discards | class-f-discards |
rx-frames-too-long | rx-frames-too-short | rx-missing-eof | rx-invalid-crcs |
rx-link-resets | rx-link-reset-responses | rx-offlines | rx-not-operationals |
rx-invalid-tx-words | rx-encoding-disparity-errors | rx-delimiter-errors |
rx-input-buffers-full | rx-invalid-ordered-sets | rx-prim-seq-protocol-errors |
rx-other-errors)*>

<!ELEMENT fibrechannel-mac-statistics-transmitted (tx-class-2-frames |
tx-class-3-frames | tx-class-f-frames | tx-class-2-octets | tx-class-3-octets |
tx-class-f-octets | tx-link-resets | tx-link-reset-responses | tx-offlines |
tx-not-operationals | tx-bb-credit-zeroes | tx-other-errors)*>

<!ELEMENT fibrechannel-port-flow-control (fibrechannel-port-flow-control-mode |
fibrechannel-port-flow-control-credits)*>
<!--ATTLIST fibrechannel-port-flow-control junos:style CDATA #IMPLIED-->

<!ELEMENT fibrechannel-port-flow-control-credits
(fibrechannel-port-flow-control-credits-subject |
fibrechannel-port-flow-control-credits-assigned |
fibrechannel-port-flow-control-credits-available)*>

<!ELEMENT fibrechannel-port-flow-control-credits-assigned (#PCDATA)>

<!ELEMENT fibrechannel-port-flow-control-credits-available (#PCDATA)>

<!ELEMENT fibrechannel-port-flow-control-credits-subject (#PCDATA)>

<!ELEMENT fibrechannel-port-flow-control-mode (#PCDATA)>

<!ELEMENT filter-family (#PCDATA)>

<!ELEMENT filter-information (filter-family | filter-input |
filter-input-precedence | filter-output | filter-output-precedence)*>

<!ELEMENT filter-input (#PCDATA)>

<!ELEMENT filter-input-precedence (#PCDATA)>

<!ELEMENT filter-output (#PCDATA)>

<!ELEMENT filter-output-precedence (#PCDATA)>

<!ELEMENT flow-control (#PCDATA)>

<!ELEMENT forwarding-class-name (#PCDATA)>

<!ELEMENT fpc-number (#PCDATA)>
```

```
<!ELEMENT fragment-buffer-overflow (#PCDATA)>

<!ELEMENT fragment-drop-bytes (#PCDATA)>

<!ELEMENT fragment-drops (#PCDATA)>

<!ELEMENT fragment-threshold (#PCDATA)>

<!ELEMENT fragment-timeout (#PCDATA)>

<!ELEMENT fragments (input-frames | input-fps | input-bytes | input-bps |
output-frames | output-fps | output-bytes | output-bps)*>

<!ELEMENT framing-errors (#PCDATA)>

<!ELEMENT frequency (#PCDATA)>

<!ELEMENT from-dce (dtr | rts | cts | dcd | dsr | tm)*>

<!ELEMENT from-dte (dtr | rts | cts | dcd | dsr | tm)*>

<!ELEMENT generation (#PCDATA)>

<!ELEMENT generic-value (#PCDATA)>

<!ELEMENT global-fpc-number (#PCDATA)>

<!ELEMENT gre-keepalive-adj-state (#PCDATA)>

<!ELEMENT gre-keepalive-configured (#PCDATA)>

<!ELEMENT hardware-physical-address (#PCDATA)>

<!ELEMENT hardware-token (#PCDATA)>

<!ELEMENT hdlc-giant-threshold (#PCDATA)>

<!ELEMENT hdlc-information (hdlc-rx-bucket-state | hdlc-rx-bit-rate |
hdlc-rx-threshold | hdlc-tx-bit-rate | hdlc-tx-bucket-state | hdlc-tx-threshold
| hdlc-giant-threshold | hdlc-runt-threshold)*>

<!ELEMENT hdlc-runt-threshold (#PCDATA)>

<!ELEMENT hdlc-rx-bit-rate (#PCDATA)>

<!ELEMENT hdlc-rx-bucket-state (#PCDATA)>

<!ELEMENT hdlc-rx-threshold (#PCDATA)>

<!ELEMENT hdlc-tx-bit-rate (#PCDATA)>

<!ELEMENT hdlc-tx-bucket-state (#PCDATA)>

<!ELEMENT hdlc-tx-threshold (#PCDATA)>

<!ELEMENT high-red (#PCDATA)>

<!ELEMENT hs-link-crc-errors (#PCDATA)>

<!ELEMENT hs-link-fifo-overflows (#PCDATA)>
```

```
<!ELEMENT hs-link-fifo-underflows (#PCDATA)>

<!ELEMENT idle-cycle-flag (#PCDATA)>

<!ELEMENT idle-timeout (#PCDATA)>

<!ELEMENT if-auto-mdix (#PCDATA)>

<!ELEMENT if-auto-negotiation (#PCDATA)>

<!ELEMENT if-config-flags (iff-none | iff-hardware-down | iff-down | iff-up |
iff-admin-down | iff-admin-up | iff-link-down | iff-device-down |
iff-point-to-point | iff-point-to-multipoint | plp-to-clp | iff-multiaccess |
iff-change | iff-inverse-arp | iff-no-multicast | iff-multicast | iff-promiscuous
| iff-all-multicast | iff-snmp-traps | iff-rx-passive | iff-tx-passive |
iff-ccc-down | iff-clear-df | iff-tunnel-reassembly | iff-acfc | iff-pfc | iff-rdd
| iff-looped | internal-flags)*>

<!ELEMENT if-device-flags (ifdf-none | ifdf-present | ifdf-running | ifdf-duplex
| ifdf-down | ifdf-no-carrier | ifdf-error1 | ifdf-error2 | ifdf-no-multicast |
ifdf-loopback | ifdf-quench | ifdf-recv-all-multicasts | ifdf-promiscuous |
ifdf-link-layer-down | ifdf-loop-detected | ifdf-pfe-gone | generic-value)*>

<!ELEMENT if-flow-control (#PCDATA)>

<!ELEMENT if-media-flags (ifmf-none | ifmf-autoselect | ifmf-scheduler |
ifmf-shared-scheduler | ifmf-keepalives | ifmf-no-keepalives | ifmf-give-up |
ifmf-loose-lcp | ifmf-loose-ncp | ifmf-ppp-acfc | ifmf-ppp-pfc | ifmf-loose-lmi
| ifmf-dce | ifmf-dte | generic-value)*>

<!ELEMENT if-remote-fault (#PCDATA)>

<!ELEMENT if-speed-auto-negotiation (#PCDATA)>

<!ELEMENT if-switchover-last-attempt (#PCDATA)>

<!ELEMENT if-switchover-last-time (#PCDATA)>

<!ELEMENT if-switchover-min-max-avg-time (#PCDATA)>

<!ELEMENT if-switchover-total (#PCDATA)>

<!ELEMENT if-type (#PCDATA)>

<!ELEMENT if-unidirectional (#PCDATA)>

<!ELEMENT ifa-address-pool (#PCDATA)>

<!ELEMENT ifa-broadcast (#PCDATA)>

<!ELEMENT ifa-destination (#PCDATA)>

<!ELEMENT ifa-flags (ifaf-none | ifaf-primary | ifaf-preferred | ifaf-master-only
| ifaf-down | ifaf-kernel | ifaf-current-default | ifaf-current-preferred |
ifaf-current-primary | ifaf-duplicate | ifaf-webauth-http | generic-value)*>

<!ELEMENT ifa-local (#PCDATA)>

<!ELEMENT ifa-primary-dns (#PCDATA)>

<!ELEMENT ifa-primary-nbns (#PCDATA)>
```



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<!ELEMENT ifa-secondary-dns (#PCDATA)>
<!ELEMENT ifa-secondary-nbns (#PCDATA)>
<!ELEMENT ifaf-current-default EMPTY>
<!ELEMENT ifaf-current-preferred EMPTY>
<!ELEMENT ifaf-current-primary EMPTY>
<!ELEMENT ifaf-down EMPTY>
<!ELEMENT ifaf-duplicate EMPTY>
<!ELEMENT ifaf-kernel EMPTY>
<!ELEMENT ifaf-master-only EMPTY>
<!ELEMENT ifaf-none EMPTY>
<!ELEMENT ifaf-preferred EMPTY>
<!ELEMENT ifaf-primary EMPTY>
<!ELEMENT ifaf-webauth-http EMPTY>
<!ELEMENT ifd-cell-bundle-size (#PCDATA)>
<!ELEMENT ifd-cell-bundle-timeout (#PCDATA)>
<!ELEMENT ifdf-down EMPTY>
<!ELEMENT ifdf-duplex EMPTY>
<!ELEMENT ifdf-error1 EMPTY>
<!ELEMENT ifdf-error2 EMPTY>
<!ELEMENT ifdf-link-layer-down EMPTY>
<!ELEMENT ifdf-loop-detected EMPTY>
<!ELEMENT ifdf-loopback EMPTY>
<!ELEMENT ifdf-no-carrier EMPTY>
<!ELEMENT ifdf-no-multicast EMPTY>
<!ELEMENT ifdf-none EMPTY>
<!ELEMENT ifdf-pfe-gone EMPTY>
<!ELEMENT ifdf-present EMPTY>
<!ELEMENT ifdf-promiscuous EMPTY>
<!ELEMENT ifdf-quench EMPTY>
<!ELEMENT ifdf-recv-all-multicasts EMPTY>
```

<!ELEMENT ifdf-running EMPTY>

<!ELEMENT iff-acfc EMPTY>

<!ELEMENT iff-admin-down EMPTY>

<!ELEMENT iff-admin-up EMPTY>

<!ELEMENT iff-all-multicast EMPTY>

<!ELEMENT iff-ccc-down EMPTY>

<!ELEMENT iff-change EMPTY>

<!ELEMENT iff-clear-df EMPTY>

<!ELEMENT iff-device-down EMPTY>

<!ELEMENT iff-down EMPTY>

<!ELEMENT iff-hardware-down EMPTY>

<!ELEMENT iff-inverse-arp EMPTY>

<!ELEMENT iff-link-down EMPTY>

<!ELEMENT iff-looped EMPTY>

<!ELEMENT iff-multiaccess EMPTY>

<!ELEMENT iff-multicast EMPTY>

<!ELEMENT iff-no-multicast EMPTY>

<!ELEMENT iff-none EMPTY>

<!ELEMENT iff-pfc EMPTY>

<!ELEMENT iff-point-to-multipoint EMPTY>

<!ELEMENT iff-point-to-point EMPTY>

<!ELEMENT iff-ppp-flags-acfc EMPTY>

<!ELEMENT iff-ppp-flags-pfc EMPTY>

<!ELEMENT iff-promiscuous EMPTY>

<!ELEMENT iff-rdd EMPTY>

<!ELEMENT iff-rx-passive EMPTY>

<!ELEMENT iff-snmp-traps EMPTY>

<!ELEMENT iff-tunnel-reassembly EMPTY>

<!ELEMENT iff-tx-passive EMPTY>

<!ELEMENT iff-up EMPTY>

<!ELEMENT ifff-down EMPTY>

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<!ELEMENT ifff-dst-class-usage EMPTY>

<!ELEMENT ifff-func1 EMPTY>

<!ELEMENT ifff-func2 EMPTY>

<!ELEMENT ifff-hard-down EMPTY>

<!ELEMENT ifff-is-primary EMPTY>

<!ELEMENT ifff-mac-validate-loose EMPTY>

<!ELEMENT ifff-mac-validate-strict EMPTY>

<!ELEMENT ifff-mtu-protocol-adj EMPTY>

<!ELEMENT ifff-mtu-user-conf EMPTY>

<!ELEMENT ifff-negotiate-address EMPTY>

<!ELEMENT ifff-no-asynch-notification EMPTY>

<!ELEMENT ifff-no-neighbor-learn EMPTY>

<!ELEMENT ifff-no-redirects EMPTY>

<!ELEMENT ifff-none EMPTY>

<!ELEMENT ifff-port-mode-isid-trunk EMPTY>

<!ELEMENT ifff-port-mode-trunk EMPTY>

<!ELEMENT ifff-primary EMPTY>

<!ELEMENT ifff-recv-options EMPTY>

<!ELEMENT ifff-recv-ttl-exceeded EMPTY>

<!ELEMENT ifff-redirects EMPTY>

<!ELEMENT ifff-rpf-check EMPTY>

<!ELEMENT ifff-rpf-loose-mode EMPTY>

<!ELEMENT ifff-sample-input EMPTY>

<!ELEMENT ifff-sample-output EMPTY>

<!ELEMENT ifff-sendbcst-pkt-to-re EMPTY>

<!ELEMENT ifff-src-class-input EMPTY>

<!ELEMENT ifff-src-class-output EMPTY>

<!ELEMENT ifff-targeted-broadcast EMPTY>

<!ELEMENT ifff-tcc-inet EMPTY>

<!ELEMENT ifff-tcc-inet6 EMPTY>
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<!ELEMENT ifff-tcc-iso EMPTY>

<!ELEMENT ifff-tcc-mpIs EMPTY>

<!ELEMENT ifff-unnumbered EMPTY>

<!ELEMENT ifff-up EMPTY>

<!ELEMENT ifl-type (#PCDATA)>

<!ELEMENT ifmf-autoselect EMPTY>

<!ELEMENT ifmf-dce EMPTY>

<!ELEMENT ifmf-dte EMPTY>

<!ELEMENT ifmf-give-up EMPTY>

<!ELEMENT ifmf-keepalives EMPTY>

<!ELEMENT ifmf-loose-lcp EMPTY>

<!ELEMENT ifmf-loose-lmi EMPTY>

<!ELEMENT ifmf-loose-ncp EMPTY>

<!ELEMENT ifmf-no-keepalives EMPTY>

<!ELEMENT ifmf-none EMPTY>

<!ELEMENT ifmf-ppp-acfc EMPTY>

<!ELEMENT ifmf-ppp-pfc EMPTY>

<!ELEMENT ifmf-scheduler EMPTY>

<!ELEMENT ifmf-shared-scheduler EMPTY>

<!ELEMENT ifvc-active EMPTY>

<!ELEMENT ifvc-ccc-down EMPTY>

<!ELEMENT ifvc-closed EMPTY>

<!ELEMENT ifvc-configured EMPTY>

<!ELEMENT ifvc-down EMPTY>

<!ELEMENT ifvc-epd (#PCDATA)>

<!ELEMENT ifvc-epd-plp0 (#PCDATA)>

<!ELEMENT ifvc-epd-plp1 (#PCDATA)>

<!ELEMENT ifvc-flags (ifvc-down | ifvc-none | ifvc-active | ifvc-closed |
ifvc-inverse-arp | ifvc-ilmi | ifvc-oam | ifvc-shaping | ifvc-passiveoam |
ifvc-multicast | ifvc-ccc-down | ifvc-configured | ifvc-unconfigured |
generic-value)*>

<!ELEMENT ifvc-ilmi EMPTY>
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```
<!ELEMENT ifvc-inverse-arp EMPTY>

<!ELEMENT ifvc-multicast EMPTY>

<!ELEMENT ifvc-multipoint-destination (multipoint-address)*>

<!ELEMENT ifvc-none EMPTY>

<!ELEMENT ifvc-oam EMPTY>

<!ELEMENT ifvc-passiveoam EMPTY>

<!ELEMENT ifvc-shaping EMPTY>

<!ELEMENT ifvc-unconfigured EMPTY>

<!ELEMENT ifvc-weight (#PCDATA)>

<!ELEMENT ifvp-active EMPTY>

<!ELEMENT ifvp-closed EMPTY>

<!ELEMENT ifvp-down EMPTY>

<!ELEMENT ifvp-flags (ifvp-down | ifvp-none | ifvp-active | ifvp-closed | ifvp-oam
| ifvp-shaping | ifvp-passiveoam | ifvp-tunnel | generic-value)*>

<!ELEMENT ifvp-none EMPTY>

<!ELEMENT ifvp-oam EMPTY>

<!ELEMENT ifvp-passiveoam EMPTY>

<!ELEMENT ifvp-shaping EMPTY>

<!ELEMENT ifvp-tunnel EMPTY>

<!ELEMENT ih-parent (#PCDATA)>

<!ELEMENT illegal-rx-packets (#PCDATA)>

<!ELEMENT ima-alarm-blocked EMPTY>

<!ELEMENT ima-alarm-blocked-fe EMPTY>

<!ELEMENT ima-alarm-config-abort EMPTY>

<!ELEMENT ima-alarm-config-abort-fe EMPTY>

<!ELEMENT ima-alarm-fault EMPTY>

<!ELEMENT ima-alarm-insufficient-links EMPTY>

<!ELEMENT ima-alarm-insufficient-links-fe EMPTY>

<!ELEMENT ima-alarm-lif EMPTY>

<!ELEMENT ima-alarm-lods EMPTY>

<!ELEMENT ima-alarm-rdi EMPTY>
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<!ELEMENT ima-alarm-rx-misconnected EMPTY>

<!ELEMENT ima-alarm-rx-unusable-fe EMPTY>

<!ELEMENT ima-alarm-startup-fe EMPTY>

<!ELEMENT ima-alarm-timing-mismatch EMPTY>

<!ELEMENT ima-alarm-tx-misconnected EMPTY>

<!ELEMENT ima-alarm-tx-unusable-fe EMPTY>

<!ELEMENT ima-alarm-version-mismatch EMPTY>

<!ELEMENT ima-differential-delay (#PCDATA)>

<!ELEMENT ima-frame-length (#PCDATA)>

<!ELEMENT ima-frame-sync-alpha (#PCDATA)>

<!ELEMENT ima-frame-sync-beta (#PCDATA)>

<!ELEMENT ima-frame-sync-gamma (#PCDATA)>

<!ELEMENT ima-group-id (#PCDATA)>

<!ELEMENT ima-group-information (media-alarm)*>

<!ELEMENT ima-group-link-enumerator (#PCDATA)>

<!ELEMENT ima-group-link-information (#PCDATA)>

<!ELEMENT ima-group-properties (ima-version | ima-frame-length |
ima-differential-delay | ima-symmetry | ima-transmit-clock | ima-tx-minimum-links
| ima-rx-minimum-links | ima-frame-sync-alpha | ima-frame-sync-beta |
ima-frame-sync-gamma | ima-group-link-enumerator | ima-group-link-information |
ima-test-period | ima-test-elapsed | ima-test-status | ima-test-pattern |
ima-test-link | ima-test-result-pattern | ima-test-result-status |
ima-test-result-miscon | ima-test-result-mispat)*>

<!ELEMENT ima-link-direction (#PCDATA)>

<!ELEMENT ima-link-information (media-alarm)*>

<!ELEMENT ima-link-properties (ima-group-id | ima-link-direction)*>

<!ELEMENT ima-rx-minimum-links (#PCDATA)>

<!ELEMENT ima-state (media-type | ima-state-line | ima-state-near-end |
ima-state-far-end)*>

<!ELEMENT ima-state-far-end (#PCDATA)>

<!ELEMENT ima-state-line (#PCDATA)>

<!ELEMENT ima-state-near-end (#PCDATA)>

<!ELEMENT ima-symmetry (#PCDATA)>

<!ELEMENT ima-test-elapsed (#PCDATA)>
```

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<!ELEMENT ima-test-link (#PCDATA)>

<!ELEMENT ima-test-pattern (#PCDATA)>

<!ELEMENT ima-test-period (#PCDATA)>

<!ELEMENT ima-test-result-miscon (#PCDATA)>

<!ELEMENT ima-test-result-mispat (#PCDATA)>

<!ELEMENT ima-test-result-pattern (#PCDATA)>

<!ELEMENT ima-test-result-status (#PCDATA)>

<!ELEMENT ima-test-status (#PCDATA)>

<!ELEMENT ima-transmit-clock (#PCDATA)>

<!ELEMENT ima-tx-minimum-links (#PCDATA)>

<!ELEMENT ima-version (#PCDATA)>

<!ELEMENT in-arp-statistics (received-count | transmitted-count | denied-count |
operation-not-supported-count | bad-packet-length-count | bad-protocol-count |
bad-protocol-length-count | bad-hardware-length-count | dropped-count |
last-received | last-transmitted)*>

<!ELEMENT in6-addr-flags (in6-anycast | in6-tentative | in6-duplicate |
in6-detached | in6-deprecated | in6-nodad | in6-temporary | in6-autoconf |
in6-nopfxmgmt)*>

<!ELEMENT in6-anycast EMPTY>

<!ELEMENT in6-autoconf EMPTY>

<!ELEMENT in6-deprecated EMPTY>

<!ELEMENT in6-detached EMPTY>

<!ELEMENT in6-duplicate EMPTY>

<!ELEMENT in6-nodad EMPTY>

<!ELEMENT in6-nopfxmgmt EMPTY>

<!ELEMENT in6-temporary EMPTY>

<!ELEMENT in6-tentative EMPTY>

<!ELEMENT ingress-queue-counters (interface-chassis-cos-summary | queue |
interface-cos-summary | interface-cos-short-summary |
queue-num-forwarding-class-name-map)*>
<!ATTLIST ingress-queue-counters junos:style CDATA #IMPLIED>

<!ELEMENT ingress-rate-limit (#PCDATA)>

<!ELEMENT ingress-traffic-statistics (input-bytes | input-bps | input-packets |
input-pps | input-drop-bytes | input-drop-packets | input-drop-bps |
input-drop-pps)*>
<!ATTLIST ingress-traffic-statistics junos:style CDATA #IMPLIED>

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<!ELEMENT init-command-str (#PCDATA)>

<!ELEMENT init-status (#PCDATA)>

<!ELEMENT initial-route-check (#PCDATA)>

<!ELEMENT input-bps (#PCDATA)>

<!ELEMENT input-broadcasts (#PCDATA)>

<!ELEMENT input-bucket-drops (#PCDATA)>

<!ELEMENT input-bytes (#PCDATA)>

<!ELEMENT input-code-violations (#PCDATA)>

<!ELEMENT input-crc-errors (#PCDATA)>

<!ELEMENT input-disabled-bundle (#PCDATA)>

<!ELEMENT input-discards (#PCDATA)>

<!ELEMENT input-drop-bps (#PCDATA)>

<!ELEMENT input-drop-bytes (#PCDATA)>

<!ELEMENT input-drop-packets (#PCDATA)>

<!ELEMENT input-drop-pps (#PCDATA)>

<!ELEMENT input-drops (#PCDATA)>

<!ELEMENT input-error-count (#PCDATA)>

<!ELEMENT input-error-frames (#PCDATA)>

<!ELEMENT input-error-list (input-errors | input-drops | invalid-vcs |
framing-errors | input-runts | input-giants | input-bucket-drops | input-discards
| input-l3-incompletes | input-l2-channel-errors | input-l2-mismatch-timeouts |
input-fifo-errors | hs-link-crc-errors | hs-link-fifo-overflows | sram-errors |
input-resource-errors)*>

<!ELEMENT input-errors (#PCDATA)>

<!ELEMENT input-fifo-errors (#PCDATA)>

<!ELEMENT input-fps (#PCDATA)>

<!ELEMENT input-fragment-frames (#PCDATA)>

<!ELEMENT input-frames (#PCDATA)>

<!ELEMENT input-giants (#PCDATA)>

<!ELEMENT input-jabber-frames (#PCDATA)>

<!ELEMENT input-l2-channel-errors (#PCDATA)>

<!ELEMENT input-l2-mismatch-timeouts (#PCDATA)>

<!ELEMENT input-l3-incompletes (#PCDATA)>
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<!ELEMENT input-mac-control-frames (#PCDATA)>

<!ELEMENT input-mac-pause-frames (#PCDATA)>

<!ELEMENT input-mac-pfc-frames (#PCDATA)>

<!ELEMENT input-multicasts (#PCDATA)>

<!ELEMENT input-oversized-frames (#PCDATA)>

<!ELEMENT input-packets (#PCDATA)>

<!ELEMENT input-policer-byte-drops (#PCDATA)>

<!ELEMENT input-policer-frame-drops (#PCDATA)>

<!ELEMENT input-pps (#PCDATA)>

<!ELEMENT input-reject-count (#PCDATA)>

<!ELEMENT input-reject-destination-address-count (#PCDATA)>

<!ELEMENT input-reject-source-address-count (#PCDATA)>

<!ELEMENT input-resource-errors (#PCDATA)>

<!ELEMENT input-runs (#PCDATA)>

<!ELEMENT input-undersized-frames (#PCDATA)>

<!ELEMENT input-unicasts (#PCDATA)>

<!ELEMENT input-vlan-tagged-frames (#PCDATA)>

<!ELEMENT instant-usage-weight-exponent (#PCDATA)>
<ATTLIST instant-usage-weight-exponent junos:format CDATA #IMPLIED>

<!ELEMENT interesting-detected EMPTY>

<!ELEMENT interface-address (ifa-flags | generation | ifa-destination | ifa-local
| in6-addr-flags | ifa-broadcast | ifa-primary-dns | ifa-primary-nbns |
ifa-secondary-dns | ifa-secondary-nbns | ifa-address-pool)*>
<ATTLIST interface-address heading CDATA #IMPLIED>

<!ELEMENT interface-alarms (alarm-not-present | sonet-alarm-lo1 | sonet-alarm-p11
| sonet-alarm-lof | sonet-alarm-los | sonet-alarm-sef | sonet-alarm-lais |
sonet-alarm-pais | sonet-alarm-lol | sonet-alarm-berr-sd | sonet-alarm-berr-sf |
sonet-alarm-lrldi | sonet-alarm-prdi | sonet-alarm-rei | sonet-alarm-uneq |
sonet-alarm-pmis | sonet-alarm-loc | sonet-alarm-vais | sonet-alarm-vlop |
sonet-alarm-vrldi | sonet-alarm-vuneq | sonet-alarm-vmis | sonet-alarm-vloc |
sdh-alarm-lo1 | sdh-alarm-p11 | sdh-alarm-lof | sdh-alarm-los | sdh-alarm-oof |
sdh-alarm-msais | sdh-alarm-hpais | sdh-alarm-lol | sdh-alarm-berr-sd |
sdh-alarm-berr-sf | sdh-alarm-msferf | sdh-alarm-hpferf | sdh-alarm-hpfebe |
sdh-alarm-hpuneq | sdh-alarm-hpplm | sdh-alarm-loc | sdh-alarm-tuais |
sdh-alarm-tulop | sdh-alarm-turdi | sdh-alarm-tuuneq | sdh-alarm-tumis |
sdh-alarm-tuloc | ds3-alarm-p11 | ds3-alarm-ais | ds3-alarm-lof | ds3-alarm-los
| ds3-alarm-lcv | ds3-alarm-exz | ds3-alarm-ferf | ds3-alarm-ylw | ds3-alarm-idle
| ds1-alarm-ais | ds1-alarm-lof | ds1-alarm-los | ds1-alarm-ylw |
ds1-alarm-crc-major | ds1-alarm-crc-minor | ds1-alarm-lof | ds1-alarm-los |
ds1-alarm-lom | ds1-alarm-locdi | ds1-alarm-locdni | ds1-alarm-lol |

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dsl-alarm-far-lof | dsl-alarm-far-los | dsl-alarm-far-locdi | dsl-alarm-far-locdni
| fibrechannel-alarm-link-down | ethernet-alarm-link-down | ethernet-alarm-lcdp
| isdn-alarm-los | isdn-alarm-lof | shdsl-alarm-losd | shdsl-alarm-losw |
shdsl-alarm-line1-losd | shdsl-alarm-line1-losw | shdsl-alarm-line2-losd |
shdsl-alarm-line2-losw | otn-alarm-los | otn-alarm-lof | otn-alarm-lom |
otn-alarm-wavelength-lock | otn-alarm-otu-ais | otn-alarm-otu-bdi |
otn-alarm-otu-ttim | otn-alarm-otu-iae | otn-alarm-otu-sd | otn-alarm-otu-sf |
otn-alarm-otu-fec-excessive | otn-alarm-otu-fec-degraded |
otn-alarm-otu-threshold-bbe | otn-alarm-otu-threshold-es |
otn-alarm-otu-threshold-ses | otn-alarm-otu-threshold-uas | otn-alarm-odu-ais |
otn-alarm-odu-oci | otn-alarm-odu-lck | otn-alarm-odu-bdi | otn-alarm-odu-ttim |
otn-alarm-odu-sd | otn-alarm-odu-sf | otn-alarm-odu-rx-aps-change |
otn-alarm-odu-threshold-bbe | otn-alarm-odu-threshold-es |
otn-alarm-odu-threshold-ses | otn-alarm-odu-threshold-uas | otn-alarm-opu-pmi |
ima-alarm-startup-fe | ima-alarm-config-abort | ima-alarm-config-abort-fe |
ima-alarm-insufficient-links | ima-alarm-insufficient-links-fe | ima-alarm-blocked
| ima-alarm-blocked-fe | ima-alarm-timing-mismatch | ima-alarm-version-mismatch
| ima-alarm-lif | ima-alarm-lods | ima-alarm-rdi | ima-alarm-tx-misconnected |
ima-alarm-rx-misconnected | ima-alarm-fault | ima-alarm-tx-unusable-fe |
ima-alarm-rx-unusable-fe | generic-value)*>

<!ELEMENT interface-chassis-cos-summary (intf-cos-chassis-num-queues-supported |
intf-cos-chassis-num-queues-in-use)*>

<!ELEMENT interface-cos-short-summary (intf-cos-queue-type |
intf-cos-num-queues-supported | intf-cos-num-queues-in-use)*>

<!ELEMENT interface-cos-summary (intf-cos-forwarding-classes-supported |
intf-cos-forwarding-classes-in-use | intf-cos-queue-type |
intf-cos-num-queues-supported | intf-cos-num-queues-in-use |
intf-cos-burst-size-for-ifl)*>

<!ELEMENT interface-filter-information (physical-interface | logical-interface)*>
<!ATTLIST interface-filter-information heading CDATA #IMPLIED>
<!ATTLIST interface-filter-information junos:style CDATA #IMPLIED>

<!ELEMENT interface-flapped (#PCDATA)>

<!ELEMENT interface-index (#PCDATA)>

<!ELEMENT interface-information (physical-interface | logical-interface |
controller | interface-set | docsis-information)*>
<!ATTLIST interface-information junos:style CDATA #IMPLIED>

<!ELEMENT interface-location-name-information (location-name-information)*>

<!ELEMENT interface-location-slot-information (location-slot-information)*>

<!ELEMENT interface-name (#PCDATA)>

<!ELEMENT interface-policer-information (physical-interface | logical-interface)*>
<!ATTLIST interface-policer-information heading CDATA #IMPLIED>
<!ATTLIST interface-policer-information junos:style CDATA #IMPLIED>

<!ELEMENT interface-set (name | interface-set-index | interface-set-member-list
| traffic-statistics | interface-set-queue-information)*>
<!ATTLIST interface-set junos:style CDATA #IMPLIED>

<!ELEMENT interface-set-index (#PCDATA)>

<!ELEMENT interface-set-member (#PCDATA)>

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<!ELEMENT interface-set-member-list (interface-set-member)*>

<!ELEMENT interface-set-name (#PCDATA)>

<!ELEMENT interface-set-queue-information (queue-counters |
ingress-queue-counters)*>

<!ELEMENT interface-shared-with (#PCDATA)>

<!ELEMENT interface-tx-queue (name | bandwidth | wrr | output-packets |
output-bytes | output-drops | output-drops-bytes | output-errors)*>

<!ELEMENT interleave-fragments (#PCDATA)>

<!ELEMENT interleaved-rx-cells (#PCDATA)>

<!ELEMENT interleaved-tx-cells (#PCDATA)>

<!ELEMENT internal-flags (#PCDATA)>

<!ELEMENT interval (range | media-alarm)*>

<!ELEMENT interval-information (interval)*>

<!ELEMENT intf-cos-burst-size-for-ifl (#PCDATA)>

<!ELEMENT intf-cos-chassis-num-queues-in-use (#PCDATA)>

<!ELEMENT intf-cos-chassis-num-queues-supported (#PCDATA)>

<!ELEMENT intf-cos-forwarding-classes-in-use (#PCDATA)>

<!ELEMENT intf-cos-forwarding-classes-supported (#PCDATA)>

<!ELEMENT intf-cos-num-queues-in-use (#PCDATA)>

<!ELEMENT intf-cos-num-queues-supported (#PCDATA)>

<!ELEMENT intf-cos-queue-type (#PCDATA)>

<!ELEMENT invalid-vcs (#PCDATA)>

<!ELEMENT ipv4-multicast-statistics (input-bytes | input-bps | output-bytes |
output-bps | input-packets | input-pps | output-packets | output-pps)*>

<!ELEMENT ipv6-multicast-statistics (input-bytes | input-bps | output-bytes |
output-bps | input-packets | input-pps | output-packets | output-pps)*>

<!ELEMENT ipv6-total-statistics (input-bytes | output-bytes | input-packets |
output-packets)*>

<!ELEMENT ipv6-transit-statistics (input-bytes | output-bytes | input-packets |
output-packets)*>

<!ELEMENT irb-bridge (#PCDATA)>

<!ELEMENT irb-domain (irb-routing-instance | irb-bridge)*>

<!ELEMENT irb-routing-instance (#PCDATA)>

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<!ELEMENT isdn-alarm-lof EMPTY>

<!ELEMENT isdn-alarm-los EMPTY>

<!ELEMENT jswitch-port (physical-interface-name | port | admin-state |
physical-link | link-speed | auto-negotiation | link-duplexity | port-mtu |
ethernet-mac-statistics | ethernet-autonegotiation | vlan-id | default-vlan-id |
cascade-port)*>

<!ELEMENT jswitch-port-information (jswitch-port)*>
<!ATTLIST jswitch-port-information junos:style CDATA #IMPLIED>

<!ELEMENT keepalive-config (keepalive-interval | keepalive-up-count |
keepalive-down-count)*>

<!ELEMENT keepalive-down-count (#PCDATA)>

<!ELEMENT keepalive-input-count (#PCDATA)>

<!ELEMENT keepalive-input-time (#PCDATA)>

<!ELEMENT keepalive-interval (#PCDATA)>

<!ELEMENT keepalive-lmi-descriptor (#PCDATA)>

<!ELEMENT keepalive-output-count (#PCDATA)>

<!ELEMENT keepalive-output-time (#PCDATA)>

<!ELEMENT keepalive-statistics (keepalive-lmi-descriptor | keepalive-input-count
| keepalive-input-time | keepalive-output-count | keepalive-output-time)*>
<!ATTLIST keepalive-statistics junos:style CDATA #IMPLIED>

<!ELEMENT keepalive-up-count (#PCDATA)>

<!ELEMENT key-length (#PCDATA)>

<!ELEMENT l2circuit-info (cell-bundle-size | cell-bundle-timeout |
cell-timeout-count | out-of-sequence)*>

<!ELEMENT l2circuit-mode (#PCDATA)>

<!ELEMENT l2pt-error (#PCDATA)>

<!ELEMENT lacp-activity (#PCDATA)>

<!ELEMENT lacp-aggregation (#PCDATA)>

<!ELEMENT lacp-collecting (#PCDATA)>

<!ELEMENT lacp-defaulted (#PCDATA)>

<!ELEMENT lacp-distributing (#PCDATA)>

<!ELEMENT lacp-expired (#PCDATA)>

<!ELEMENT lacp-mux-state (#PCDATA)>

<!ELEMENT lacp-port-key (#PCDATA)>

<!ELEMENT lacp-port-number (#PCDATA)>
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<!ELEMENT lacp-port-priority (#PCDATA)>

<!ELEMENT lacp-receive-state (#PCDATA)>

<!ELEMENT lacp-role (#PCDATA)>

<!ELEMENT lacp-rx-packets (#PCDATA)>

<!ELEMENT lacp-synchronization (#PCDATA)>

<!ELEMENT lacp-sys-priority (#PCDATA)>

<!ELEMENT lacp-system-id (#PCDATA)>

<!ELEMENT lacp-timeout (#PCDATA)>

<!ELEMENT lacp-transmit-state (#PCDATA)>

<!ELEMENT lacp-tx-packets (#PCDATA)>

<!ELEMENT lag-bundle (input-packets | input-pps | input-bytes | input-bps |
output-packets | output-pps | output-bytes | output-bps)*>

<!ELEMENT lag-ipv4-multicast-statistics (input-packets | input-pps | input-bytes
| input-bps | output-packets | output-pps | output-bytes | output-bps)*>

<!ELEMENT lag-ipv6-multicast-statistics (input-packets | input-pps | input-bytes
| input-bps | output-packets | output-pps | output-bytes | output-bps)*>

<!ELEMENT lag-lacp-info (name | lacp-role | lacp-sys-priority | lacp-system-id |
lacp-port-priority | lacp-port-number | lacp-port-key)*>

<!ELEMENT lag-lacp-protocol (name | lacp-receive-state | lacp-transmit-state |
lacp-mux-state)*>

<!ELEMENT lag-lacp-state (name | lacp-role | lacp-expired | lacp-defaulted |
lacp-distributing | lacp-collecting | lacp-synchronization | lacp-aggregation |
lacp-timeout | lacp-activity)*>

<!ELEMENT lag-lacp-statistics (name | lacp-rx-packets | lacp-tx-packets |
unknown-rx-packets | illegal-rx-packets)*>

<!ELEMENT lag-link (name | down | input-packets | input-pps | input-bytes |
input-bps | output-packets | output-pps | output-bytes | output-bps)*>

<!ELEMENT lag-marker (name | marker-rx-packets | marker-response-tx-packets |
unknown-rx-packets | illegal-rx-packets)*>

<!ELEMENT lag-multicast-statistics (lag-multicast-statistics-header |
lag-ipv4-multicast-statistics | lag-ipv6-multicast-statistics)*>
<ATTLIST lag-multicast-statistics junos:style CDATA #IMPLIED>

<!ELEMENT lag-multicast-statistics-header EMPTY>

<!ELEMENT lag-targeting-summary (targeting-intf-name | targeting-intf-type |
targeting-intf-link-state)*>

<!ELEMENT lag-traffic-statistics (lag-bundle | lag-multicast-statistics | lag-link
| lag-targeting-summary | lag-marker | lag-lacp-statistics | lag-lacp-info |
lag-lacp-state | lag-lacp-protocol)*>

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<!ELEMENT lane-index (#PCDATA)>
<!ELEMENT laser-bias-current (#PCDATA)>
<!ELEMENT laser-bias-current-alarm (#PCDATA)>
<!ELEMENT laser-bias-current-high-alarm (#PCDATA)>
<!ELEMENT laser-bias-current-high-alarm-threshold (#PCDATA)>
<!ELEMENT laser-bias-current-high-warn (#PCDATA)>
<!ELEMENT laser-bias-current-high-warn-threshold (#PCDATA)>
<!ELEMENT laser-bias-current-low-alarm (#PCDATA)>
<!ELEMENT laser-bias-current-low-alarm-threshold (#PCDATA)>
<!ELEMENT laser-bias-current-low-warn (#PCDATA)>
<!ELEMENT laser-bias-current-low-warn-threshold (#PCDATA)>
<!ELEMENT laser-bias-current-not-available (#PCDATA)>
<!ELEMENT laser-end-of-life-alarm (#PCDATA)>
<!ELEMENT laser-output-power (#PCDATA)>
<!ELEMENT laser-output-power-dbm (#PCDATA)>
<!ELEMENT laser-power-alarm (#PCDATA)>
<!ELEMENT laser-rx-optical-power (#PCDATA)>
<!ELEMENT laser-rx-optical-power-dbm (#PCDATA)>
<!ELEMENT laser-rx-power-high-alarm (#PCDATA)>
<!ELEMENT laser-rx-power-high-alarm-threshold (#PCDATA)>
<!ELEMENT laser-rx-power-high-alarm-threshold-dbm (#PCDATA)>
<!ELEMENT laser-rx-power-high-warn (#PCDATA)>
<!ELEMENT laser-rx-power-high-warn-threshold (#PCDATA)>
<!ELEMENT laser-rx-power-high-warn-threshold-dbm (#PCDATA)>
<!ELEMENT laser-rx-power-low-alarm (#PCDATA)>
<!ELEMENT laser-rx-power-low-alarm-threshold (#PCDATA)>
<!ELEMENT laser-rx-power-low-alarm-threshold-dbm (#PCDATA)>
<!ELEMENT laser-rx-power-low-warn (#PCDATA)>
<!ELEMENT laser-rx-power-low-warn-threshold (#PCDATA)>
<!ELEMENT laser-rx-power-low-warn-threshold-dbm (#PCDATA)>
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<!ELEMENT laser-rx-power-not-available (#PCDATA)>

<!ELEMENT laser-temp-high-alarm (#PCDATA)>

<!ELEMENT laser-temp-high-warn (#PCDATA)>

<!ELEMENT laser-temp-low-alarm (#PCDATA)>

<!ELEMENT laser-temp-low-warn (#PCDATA)>

<!ELEMENT laser-temperature (#PCDATA)>
<!--ATTLIST laser-temperature junos:celsius CDATA #IMPLIED-->

<!ELEMENT laser-temperature-high-alarm-threshold (#PCDATA)>
<!--ATTLIST laser-temperature-high-alarm-threshold junos:celsius CDATA #IMPLIED-->

<!ELEMENT laser-temperature-high-warn-threshold (#PCDATA)>
<!--ATTLIST laser-temperature-high-warn-threshold junos:celsius CDATA #IMPLIED-->

<!ELEMENT laser-temperature-low-alarm-threshold (#PCDATA)>
<!--ATTLIST laser-temperature-low-alarm-threshold junos:celsius CDATA #IMPLIED-->

<!ELEMENT laser-temperature-low-warn-threshold (#PCDATA)>
<!--ATTLIST laser-temperature-low-warn-threshold junos:celsius CDATA #IMPLIED-->

<!ELEMENT laser-tx-power-high-alarm (#PCDATA)>

<!ELEMENT laser-tx-power-high-alarm-threshold (#PCDATA)>

<!ELEMENT laser-tx-power-high-alarm-threshold-dbm (#PCDATA)>

<!ELEMENT laser-tx-power-high-warn (#PCDATA)>

<!ELEMENT laser-tx-power-high-warn-threshold (#PCDATA)>

<!ELEMENT laser-tx-power-high-warn-threshold-dbm (#PCDATA)>

<!ELEMENT laser-tx-power-low-alarm (#PCDATA)>

<!ELEMENT laser-tx-power-low-alarm-threshold (#PCDATA)>

<!ELEMENT laser-tx-power-low-alarm-threshold-dbm (#PCDATA)>

<!ELEMENT laser-tx-power-low-warn (#PCDATA)>

<!ELEMENT laser-tx-power-low-warn-threshold (#PCDATA)>

<!ELEMENT laser-tx-power-low-warn-threshold-dbm (#PCDATA)>

<!ELEMENT laser-tx-power-not-available (#PCDATA)>

<!ELEMENT laser-wavelength-alarm (#PCDATA)>

<!ELEMENT last-down-time (#PCDATA)>

<!ELEMENT last-received (#PCDATA)>

<!ELEMENT last-transmitted (#PCDATA)>

<!ELEMENT layer2-input-policer (#PCDATA)>
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<!ELEMENT layer2-input-policer-information (layer2-input-policer)*>

<!ELEMENT layer2-input-policer-statistics (policer-low-iq2-frames |
policer-medium-low-iq2-frames | policer-medium-high-iq2-frames |
policer-high-iq2-frames | policer-dropped-iq2-frames | policer-low-frames |
policer-medium-low-frames | policer-medium-high-frames | policer-high-frames |
policer-dropped-frames | policer-low-bytes | policer-medium-low-bytes |
policer-medium-high-bytes | policer-high-bytes | policer-dropped-bytes |
policer-low-rate | policer-medium-low-rate | policer-medium-high-rate |
policer-high-rate | policer-dropped-rate)*>

<!ELEMENT layer2-output-policer (#PCDATA)>

<!ELEMENT layer2-output-policer-information (layer2-output-policer)*>

<!ELEMENT layer2-output-policer-statistics (policer-low-iq2-frames |
policer-medium-low-iq2-frames | policer-medium-high-iq2-frames |
policer-high-iq2-frames | policer-dropped-iq2-frames | policer-low-frames |
policer-medium-low-frames | policer-medium-high-frames | policer-high-frames |
policer-dropped-frames | policer-low-bytes | policer-medium-low-bytes |
policer-medium-high-bytes | policer-high-bytes | policer-dropped-bytes |
policer-low-rate | policer-medium-low-rate | policer-medium-high-rate |
policer-high-rate | policer-dropped-rate)*>

<!ELEMENT lcc-number (#PCDATA)>

<!ELEMENT lcp-restart-timer (#PCDATA)>

<!ELEMENT lcp-state (#PCDATA)>

<!ELEMENT length-errors (#PCDATA)>

<!ELEMENT lfi (input-frames | input-fps | input-bytes | input-bps | output-frames
| output-fps | output-bytes | output-bps)*>

<!ELEMENT line-protocol (line-protocol-mode)*>

<!ELEMENT line-protocol-mode (#PCDATA)>

<!ELEMENT linear-red-drop-profile (queue-depth | low-red | high-red | max-low-red
| max-high-red)*>

<!ELEMENT link (name | down | link-uptime | input-frames | input-fps | input-bytes
| input-bps | output-frames | output-fps | output-bytes | output-bps)*>

<!ELEMENT link-address (#PCDATA)>

<!ELEMENT link-duplexity (#PCDATA)>

<!ELEMENT link-entry (link-id | active-alarms | active-defects | sonet-errors |
sonet-physical-information | sonet-section-information | sonet-line-information
| sonet-path-information | sonet-payload-pointer-information |
sonet-payload-pointer-curptr | sonet-payload-pointer-ptrinc-count |
sonet-payload-pointer-ptrdec-count | sonet-payload-pointer-newptr-ndf-count |
sonet-vt-information | sonet-rx-overhead | sonet-tx-overhead | sonet-rx-path-trace
| sonet-tx-path-trace | optics-diagnostics)*>

<!ELEMENT link-failures (#PCDATA)>

<!ELEMENT link-id (#PCDATA)>
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<!ELEMENT link-layer-overhead (#PCDATA)>
<!ELEMENT link-level-type (#PCDATA)>
<!ELEMENT link-mode (#PCDATA)>
<!ELEMENT link-partner-duplexity (#PCDATA)>
<!ELEMENT link-partner-reason (#PCDATA)>
<!ELEMENT link-partner-speed (#PCDATA)>
<!ELEMENT link-partner-status (#PCDATA)>
<!ELEMENT link-speed (#PCDATA)>
<!ELEMENT link-type (#PCDATA)>
<!ELEMENT link-uptime (#PCDATA)>
<!ELEMENT links (link-entry)*>
<!ELEMENT lip-ack-retries (#PCDATA)>
<!ELEMENT lip-ack-timer (#PCDATA)>
<!ELEMENT lip-header-string (#PCDATA)>
<!ELEMENT lip-hello-timer (#PCDATA)>
<!ELEMENT lmi-asynchronous-updates-received (#PCDATA)>
<!ELEMENT lmi-dce-config (lmi-type | lmi-n392dce | lmi-n393dce | lmi-t392dce)*>
<!ELEMENT lmi-dte-config (lmi-type | lmi-n391dte | lmi-n392dte | lmi-n393dte |
lmi-t391dte)*>
<!ELEMENT lmi-enquiries-received (#PCDATA)>
<!ELEMENT lmi-enquiries-sent (#PCDATA)>
<!ELEMENT lmi-enquiry-responses-received (#PCDATA)>
<!ELEMENT lmi-enquiry-responses-sent (#PCDATA)>
<!ELEMENT lmi-full-enquiries-received (#PCDATA)>
<!ELEMENT lmi-full-enquiries-sent (#PCDATA)>
<!ELEMENT lmi-full-enquiry-responses-received (#PCDATA)>
<!ELEMENT lmi-full-enquiry-responses-sent (#PCDATA)>
<!ELEMENT lmi-keepalive-responses-timeout (#PCDATA)>
<!ELEMENT lmi-n391dte (#PCDATA)>
<!ELEMENT lmi-n392dce (#PCDATA)>
<!ELEMENT lmi-n392dte (#PCDATA)>
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<!ELEMENT lmi-n393dce (#PCDATA)>

<!ELEMENT lmi-n393dte (#PCDATA)>

<!ELEMENT lmi-out-of-sequence (#PCDATA)>

<!ELEMENT lmi-statistics (lmi-statistics-dte-descriptor | lmi-enquiries-sent |
lmi-full-enquiries-sent | lmi-enquiry-responses-received |
lmi-full-enquiry-responses-received | lmi-statistics-dce-descriptor |
lmi-enquiries-received | lmi-full-enquiries-received | lmi-enquiry-responses-sent
| lmi-full-enquiry-responses-sent | lmi-statistics-common-descriptor |
lmi-unknown-messages-received | lmi-asynchronous-updates-received |
lmi-out-of-sequence | lmi-keepalive-responses-timeout)*>

<!ELEMENT lmi-statistics-common-descriptor (#PCDATA)>

<!ELEMENT lmi-statistics-dce-descriptor (#PCDATA)>

<!ELEMENT lmi-statistics-dte-descriptor (#PCDATA)>

<!ELEMENT lmi-t391dte (#PCDATA)>

<!ELEMENT lmi-t392dce (#PCDATA)>

<!ELEMENT lmi-type (#PCDATA)>

<!ELEMENT lmi-unknown-messages-received (#PCDATA)>

<!ELEMENT load-interval (#PCDATA)>

<!ELEMENT load-threshold (#PCDATA)>

<!ELEMENT local-flow-control (#PCDATA)>

<!ELEMENT local-index (#PCDATA)>

<!ELEMENT local-info (local-flow-control | local-remote-fault | local-link-speed
| local-link-duplexity)*>

<!ELEMENT local-link-duplexity (#PCDATA)>

<!ELEMENT local-link-speed (#PCDATA)>

<!ELEMENT local-remote-fault (#PCDATA)>

<!ELEMENT local-traffic-statistics (input-bytes | output-bytes | input-bps |
output-bps | input-packets | output-packets | input-pps | output-pps)*>

<!ELEMENT location-name-information (interface-name | fpc-number | lcc-number)*>

<!ELEMENT location-slot-information (global-fpc-number)*>

<!ELEMENT logical-interface (name | admin-status | oper-status | vrfname |
local-index | hardware-token | snmp-index | generation | description |
if-config-flags | multilink-flapped | link-address | encapsulation |
interface-set-name | demux-table-type | gre-keepalive-configured |
gre-keepalive-adj-state | copy-tos-to-outer-ip-header |
redundant-logical-interface-name | layer2-input-policer-information |
layer2-output-policer-information | pppoe-information |
pppoe-underlying-information | demux-interface | demux-information |
dialer-time-to-disconnect | dialer-information | shared-interface-information |
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logical-interface-mac | mac-database | logical-interface-bandwidth | queue-counters
| ingress-queue-counters | multilink-bundle-link-information |
multilink-bundle-options | multilink-bundle-errors | multilink-traffic-statistics
| traffic-statistics | multicast-statistics | ingress-traffic-statistics |
local-traffic-statistics | transit-traffic-statistics | keepalive-config |
keepalive-statistics | ppp-flags | lcp-state | ncp-information | chap-state |
pap-state | virtual-circuit-information | filter-information | policer-information
| address-family | bridge-iff-properties | in-arp-statistics | l2circuit-info |
irb-domain | media-information | multilink-bundle-status | multilink-bundle-class
| lag-traffic-statistics | layer2-input-policer-statistics |
layer2-output-policer-statistics | mac-policer-information | ppp-parameters)*>

<!ELEMENT logical-interface-bandwidth (#PCDATA)>

<!ELEMENT logical-interface-mac (#PCDATA)>

<!ELEMENT loopback (#PCDATA)>

<!ELEMENT loopback-clear-timer (#PCDATA)>

<!ELEMENT loss-of-signal (#PCDATA)>

<!ELEMENT loss-of-sync (#PCDATA)>

<!ELEMENT low-red (#PCDATA)>

<!ELEMENT lsi-traffic-statistics (input-bytes | input-bps | input-packets |
input-pps)*>
<!ATTLIST lsi-traffic-statistics junos:style CDATA #IMPLIED>

<!ELEMENT mac-address (#PCDATA)>

<!ELEMENT mac-database (mac-record | number-of-mac-record)*>

<!ELEMENT mac-entry-type (#PCDATA)>

<!ELEMENT mac-mode (#PCDATA)>

<!ELEMENT mac-pfc-dot1p (#PCDATA)>

<!ELEMENT mac-policer-information (mac-address | mac-entry-type | receive-bytes
| transmit-bytes | receive-frames | transmit-frames | ether-policer-list)*>

<!ELEMENT mac-record (mac-address | receive-frames | receive-bytes |
transmit-frames | transmit-bytes)*>

<!ELEMENT mac-validate-bytes (#PCDATA)>

<!ELEMENT mac-validate-packets (#PCDATA)>

<!ELEMENT mac-validate-statistics (mac-validate-packets | mac-validate-bytes)*>

<!ELEMENT marker-response-tx-packets (#PCDATA)>

<!ELEMENT marker-rx-packets (#PCDATA)>

<!ELEMENT max-high-red (#PCDATA)>

<!ELEMENT max-low-red (#PCDATA)>

<!ELEMENT max-sessions (#PCDATA)>

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<!ELEMENT max-sessions-vsa-ignore (#PCDATA)>

<!ELEMENT max-speed (#PCDATA)>

<!ELEMENT maximum-labels (#PCDATA)>

<!ELEMENT mc-ae-status (#PCDATA)>

<!ELEMENT media-alarm (media-alarm-name | media-alarm-seconds | media-alarm-count
| media-alarm-state | ce-counter-name | ce-counter-packets | ce-counter-bytes |
ce-counter-count)*>

<!ELEMENT media-alarm-count (#PCDATA)>

<!ELEMENT media-alarm-name (#PCDATA)>

<!ELEMENT media-alarm-seconds (#PCDATA)>

<!ELEMENT media-alarm-state (#PCDATA)>

<!ELEMENT media-information (media-alarm | ds1-timeslots | ds1-line-encoding |
ds1-byte-encoding | ds1-data-inversion | ds1-buildout | ds0-byte-encoding |
ds0-data-inversion | idle-cycle-flag | start-end-flag | e3-data-inversion |
media-type)*>
<!ATTLIST media-information junos:style CDATA #IMPLIED>

<!ELEMENT media-state (media-state-name | media-state-state)*>

<!ELEMENT media-state-information (media-type | media-state)*>

<!ELEMENT media-state-name (#PCDATA)>

<!ELEMENT media-state-state (#PCDATA)>

<!ELEMENT media-type (#PCDATA)>

<!ELEMENT minimum-bandwidth-in-aggregate (#PCDATA)>

<!ELEMENT minimum-links (#PCDATA)>

<!ELEMENT minimum-links-in-aggregate (#PCDATA)>

<!ELEMENT mlfr-uni-nni-bandwidth (#PCDATA)>

<!ELEMENT mlfr-uni-nni-bundle-options (mlfr-uni-nni-device-type | mlfr-uni-nni-mrru
| mlfr-uni-nni-bandwidth | red-differential-delay | red-differential-delay-action
| yellow-differential-delay | lip-hello-timer | lip-ack-timer | lip-ack-retries
| bundle-class | mlfr-uni-nni-drop-timeout | mlfr-uni-nni-link-layer-overhead |
mlfr-uni-nni-lmi-type | mlfr-uni-nni-fragment-threshold |
mlfr-uni-nni-minimum-links | t391 | t392 | n391 | n392 | n393)*>

<!ELEMENT mlfr-uni-nni-device-type (#PCDATA)>

<!ELEMENT mlfr-uni-nni-drop-timeout (#PCDATA)>

<!ELEMENT mlfr-uni-nni-fragment-threshold (#PCDATA)>

<!ELEMENT mlfr-uni-nni-link (name | down | link-uptime | input-frames | input-fps
| input-bytes | input-bps | output-frames | output-fps | output-bytes | output-bps
| lip-header-string | current-differential-delay | recent-high-differential-delay
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    | over-red-differential | over-yellow-differential | rcv-lip-addlink |
    rcv-lip-link-ack | rcv-lip-link-rej | rcv-lip-hello | rcv-lip-hello-ack |
    rcv-lip-link-rem | rcv-lip-rem-ack | xmt-lip-addlink | xmt-lip-link-ack |
    xmt-lip-link-rej | xmt-lip-hello | xmt-lip-hello-ack | xmt-lip-link-rem |
    xmt-lip-rem-ack)*>

<!ELEMENT mlfr-uni-nni-link-information (active-bundle-links | removed-bundle-links
    | disabled-bundle-links)*>

<!ELEMENT mlfr-uni-nni-link-layer-overhead (#PCDATA)>

<!ELEMENT mlfr-uni-nni-lmi-type (#PCDATA)>

<!ELEMENT mlfr-uni-nni-minimum-links (#PCDATA)>

<!ELEMENT mlfr-uni-nni-mrru (#PCDATA)>

<!ELEMENT mlfr-uni-nni-traffic-statistics (bundle | mlfr-uni-nni-link-information
    | mlfr-uni-nni-link)*>

<!ELEMENT mlppp-inner-ppp-pfc (#PCDATA)>

<!ELEMENT mode (#PCDATA)>

<!ELEMENT modem-information (modem-type | init-command-str | init-status |
    baud-rate | call-status | error-code | call-duration | call-direction)*>

<!ELEMENT modem-type (#PCDATA)>

<!ELEMENT modulator-bias-alarm (#PCDATA)>

<!ELEMENT modulator-temperature-alarm (#PCDATA)>

<!ELEMENT module-fault-alarm (#PCDATA)>

<!ELEMENT module-not-high-power-on-alarm (#PCDATA)>

<!ELEMENT module-not-init-done-alarm (#PCDATA)>

<!ELEMENT module-not-ready-alarm (#PCDATA)>

<!ELEMENT module-power-down-alarm (#PCDATA)>

<!ELEMENT module-temperature (#PCDATA)>
<!ATTLIST module-temperature junos:celsius CDATA #IMPLIED>

<!ELEMENT module-temperature-alarm (#PCDATA)>

<!ELEMENT module-temperature-high-alarm (#PCDATA)>

<!ELEMENT module-temperature-high-alarm-threshold (#PCDATA)>
<!ATTLIST module-temperature-high-alarm-threshold junos:celsius CDATA #IMPLIED>

<!ELEMENT module-temperature-high-warn (#PCDATA)>

<!ELEMENT module-temperature-high-warn-threshold (#PCDATA)>
<!ATTLIST module-temperature-high-warn-threshold junos:celsius CDATA #IMPLIED>

<!ELEMENT module-temperature-low-alarm (#PCDATA)>

<!ELEMENT module-temperature-low-alarm-threshold (#PCDATA)>

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<!ATTLIST module-temperature-low-alarm-threshold junos:celsius CDATA #IMPLIED>

<!ELEMENT module-temperature-low-warn (#PCDATA)>

<!ELEMENT module-temperature-low-warn-threshold (#PCDATA)>
<!ATTLIST module-temperature-low-warn-threshold junos:celsius CDATA #IMPLIED>

<!ELEMENT module-temperature-not-available (#PCDATA)>

<!ELEMENT module-voltage (#PCDATA)>

<!ELEMENT module-voltage-high-alarm (#PCDATA)>

<!ELEMENT module-voltage-high-alarm-threshold (#PCDATA)>

<!ELEMENT module-voltage-high-warn (#PCDATA)>

<!ELEMENT module-voltage-high-warn-threshold (#PCDATA)>

<!ELEMENT module-voltage-low-alarm (#PCDATA)>

<!ELEMENT module-voltage-low-alarm-threshold (#PCDATA)>

<!ELEMENT module-voltage-low-warn (#PCDATA)>

<!ELEMENT module-voltage-low-warn-threshold (#PCDATA)>

<!ELEMENT mrru (#PCDATA)>

<!ELEMENT mrru-exceeded (#PCDATA)>

<!ELEMENT mtu (#PCDATA)>

<!ELEMENT mtu-errors (#PCDATA)>

<!ELEMENT multicast-statistics (multicast-statistics-header |
ipv4-multicast-statistics | ipv6-multicast-statistics)*>
<!ATTLIST multicast-statistics junos:style CDATA #IMPLIED>

<!ELEMENT multicast-statistics-header EMPTY>

<!ELEMENT multilink EMPTY>

<!ELEMENT multilink-active-bundle-links (#PCDATA)>

<!ELEMENT multilink-bundle-class (multilink-class-id | rx-sequence-number |
tx-sequence-number | packet-drops | packet-drop-bytes | fragment-drops |
fragment-drop-bytes | mrru-exceeded | processing-errors | fragment-timeout |
sequence-number-missing | out-of-order-sequence-number |
out-of-range-sequence-number | packet-buffer-overflow | fragment-buffer-overflow
| multilink-class-drop-timeout)*>

<!ELEMENT multilink-bundle-errors (packet-drops | packet-drop-bytes |
fragment-drops | fragment-drop-bytes | mrru-exceeded | processing-errors)*>

<!ELEMENT multilink-bundle-link-information (multilink-active-bundle-links |
multilink-removed-bundle-links | multilink-disabled-bundle-links)*>

<!ELEMENT multilink-bundle-name (#PCDATA)>

<!ELEMENT multilink-bundle-options (mrru | remote-mrru | drop-timeout |
```

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m|ppp-inner-ppp-pfc | sequence-number-format | fragment-threshold | minimum-links
  | interleave-fragments | multilink-classes | link-layer-overhead)*>

<!ELEMENT multilink-bundle-status (rx-sequence-number | tx-sequence-number |
packet-drops | packet-drop-bytes | fragment-drops | fragment-drop-bytes |
mrru-exceeded | processing-errors | fragment-timeout | sequence-number-missing |
out-of-order-sequence-number | out-of-range-sequence-number |
packet-buffer-overflow | fragment-buffer-overflow)*>

<!ELEMENT multilink-class-drop-timeout (#PCDATA)>

<!ELEMENT multilink-class-id (#PCDATA)>

<!ELEMENT multilink-classes (#PCDATA)>

<!ELEMENT multilink-detail-statistics (bundle-detail | class-detail)*>

<!ELEMENT multilink-disabled-bundle-links (#PCDATA)>

<!ELEMENT multilink-flapped (#PCDATA)>

<!ELEMENT multilink-frames (input-frames | input-fps | input-bytes | input-bps |
output-frames | output-fps | output-bytes | output-bps)*>

<!ELEMENT multilink-interface-errors (oversized-frames | input-error-frames |
input-disabled-bundle | output-disabled-bundle | queuing-drops |
packet-buffer-overflow | fragment-buffer-overflow | fragment-timeout |
sequence-number-missing | out-of-order-sequence-number |
out-of-range-sequence-number | data-memory-error | control-memory-error)*>

<!ELEMENT multilink-removed-bundle-links (#PCDATA)>

<!ELEMENT multilink-traffic-statistics (bundle | class | link |
multilink-detail-statistics | crtp)*>

<!ELEMENT multipoint-address (#PCDATA)>

<!ELEMENT n391 (#PCDATA)>

<!ELEMENT n392 (#PCDATA)>

<!ELEMENT n393 (#PCDATA)>

<!ELEMENT name (#PCDATA)>

<!ELEMENT ncp-information (ncp-protocol | ncp-state)*>

<!ELEMENT ncp-protocol (#PCDATA)>

<!ELEMENT ncp-restart-timer (#PCDATA)>

<!ELEMENT ncp-state (#PCDATA)>

<!ELEMENT near-end-attainable-bitrate (#PCDATA)>

<!ELEMENT near-end-attenuation (#PCDATA)>

<!ELEMENT near-end-capacity-used (#PCDATA)>

<!ELEMENT near-end-fast-bitrate (#PCDATA)>

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<!ELEMENT near-end-fast-crc (#PCDATA)>
<!ELEMENT near-end-fast-fec (#PCDATA)>
<!ELEMENT near-end-fast-hec (#PCDATA)>
<!ELEMENT near-end-fast-rx-cells (#PCDATA)>
<!ELEMENT near-end-fast-tx-cells (#PCDATA)>
<!ELEMENT near-end-interleaved-bitrate (#PCDATA)>
<!ELEMENT near-end-interleaved-crc (#PCDATA)>
<!ELEMENT near-end-interleaved-fec (#PCDATA)>
<!ELEMENT near-end-interleaved-hec (#PCDATA)>
<!ELEMENT near-end-interleaved-rx-cells (#PCDATA)>
<!ELEMENT near-end-interleaved-tx-cells (#PCDATA)>
<!ELEMENT near-end-noise-margin (#PCDATA)>
<!ELEMENT near-end-output-power (#PCDATA)>
<!ELEMENT network-frames (input-frames | input-fps | input-bytes | input-bps |
output-frames | output-fps | output-bytes | output-bps)*>
<!ELEMENT no-buffers (#PCDATA)>
<!ELEMENT no-mac-learning-status (#PCDATA)>
<!ELEMENT non-conform-clp0-cells (#PCDATA)>
<!ELEMENT non-conform-clp1-cells (#PCDATA)>
<!ELEMENT non-fragments (input-frames | input-fps | input-bytes | input-bps |
output-frames | output-fps | output-bytes | output-bps)*>
<!ELEMENT number-of-mac-record (#PCDATA)>
<!ELEMENT nxds0-information (interface-tx-queue)*>
<!ELEMENT oam-ais-received-count (#PCDATA)>
<!ELEMENT oam-ais-received-last (#PCDATA)>
<!ELEMENT oam-ais-transmitted-count (#PCDATA)>
<!ELEMENT oam-ais-transmitted-last (#PCDATA)>
<!ELEMENT oam-cell-no-buffers (#PCDATA)>
<!ELEMENT oam-loopback-received-count (#PCDATA)>
<!ELEMENT oam-loopback-received-last (#PCDATA)>
<!ELEMENT oam-loopback-transmitted-count (#PCDATA)>
<!ELEMENT oam-loopback-transmitted-last (#PCDATA)>
```



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<!ELEMENT oam-parameters (period | up-count | down-count)*>

<!ELEMENT oam-rdi-received-count (#PCDATA)>

<!ELEMENT oam-rdi-received-last (#PCDATA)>

<!ELEMENT oam-rdi-transmitted-count (#PCDATA)>

<!ELEMENT oam-rdi-transmitted-last (#PCDATA)>

<!ELEMENT oam-statistics (oam-loopback-received-count | oam-loopback-received-last
| oam-loopback-transmitted-count | oam-loopback-transmitted-last |
oam-rdi-received-count | oam-rdi-received-last | oam-rdi-transmitted-count |
oam-rdi-transmitted-last | oam-ais-received-count | oam-ais-received-last |
oam-ais-transmitted-count | oam-ais-transmitted-last | oam-total-transmitted-count
| oam-total-received-count | oam-total-transmitted-count-4 |
oam-total-received-count-4)*>

<!ELEMENT oam-total-received-count (#PCDATA)>

<!ELEMENT oam-total-received-count-4 (#PCDATA)>

<!ELEMENT oam-total-transmitted-count (#PCDATA)>

<!ELEMENT oam-total-transmitted-count-4 (#PCDATA)>

<!ELEMENT oper-status (#PCDATA)>

<!ELEMENT operation-not-supported-count (#PCDATA)>

<!ELEMENT optic-diagnostics-not-available (#PCDATA)>

<!ELEMENT optics-diagnostics (optic-diagnostics-not-available |
laser-bias-current-not-available | soa-bias-current-not-available |
laser-tx-power-not-available | module-temperature-not-available |
laser-rx-power-not-available | laser-bias-current | laser-output-power |
laser-output-power-dbm | module-temperature | module-voltage | soa-bias-current
| rx-signal-avg-optical-power | rx-signal-avg-optical-power-dbm |
laser-rx-optical-power | laser-rx-optical-power-dbm | laser-bias-current-high-alarm
| laser-bias-current-low-alarm | laser-bias-current-high-warn |
laser-bias-current-low-warn | laser-tx-power-high-alarm | laser-tx-power-low-alarm
| laser-tx-power-high-warn | laser-tx-power-low-warn | laser-rx-power-high-alarm
| laser-rx-power-low-alarm | laser-rx-power-high-warn | laser-rx-power-low-warn
| tx-loss-of-signal-functionality-alarm | tx-cdr-loss-of-lock-alarm |
rx-loss-of-signal-alarm | rx-cdr-loss-of-lock-alarm | apd-supply-fault-alarm |
tec-fault-alarm | wavelength-unlocked-alarm | module-voltage-high-alarm |
module-voltage-low-alarm | module-voltage-high-warn | module-voltage-low-warn |
module-temperature-high-alarm | module-temperature-low-alarm |
module-temperature-high-warn | module-temperature-low-warn |
soa-bias-current-high-alarm | soa-bias-current-low-alarm |
soa-bias-current-high-warn | soa-bias-current-low-warn | laser-end-of-life-alarm
| laser-wavelength-alarm | laser-bias-current-alarm | module-temperature-alarm
| laser-power-alarm | modulator-temperature-alarm | modulator-bias-alarm |
module-not-ready-alarm | module-power-down-alarm | module-not-init-done-alarm |
module-not-high-power-on-alarm | module-fault-alarm | pld-flash-init-fault-alarm
| power-supply-fault-alarm | checksum-fault-alarm | tx-mux-fifo-error-alarm |
tx-loss-of-pll-alarm | tx-data-not-ready-alarm | tx-not-ready-alarm |
tx-laser-fault-alarm | tx-laser-disabled-alarm | rx-loss-avg-opt-power-alarm |
rx-loss-ac-power-alarm | rx-loss-of-pll-alarm | rx-not-ready-alarm |
module-voltage-high-alarm-threshold | module-voltage-low-alarm-threshold |

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module-voltage-high-warn-threshold | module-voltage-low-warn-threshold |
laser-bias-current-high-alarm-threshold | laser-bias-current-low-alarm-threshold
| laser-bias-current-high-warn-threshold | laser-bias-current-low-warn-threshold
| soa-bias-current-high-alarm-threshold | soa-bias-current-low-alarm-threshold
| soa-bias-current-high-warn-threshold | soa-bias-current-low-warn-threshold |
laser-tx-power-high-alarm-threshold | laser-tx-power-low-alarm-threshold |
laser-tx-power-high-warn-threshold | laser-tx-power-low-warn-threshold |
laser-tx-power-high-alarm-threshold-dbm | laser-tx-power-low-alarm-threshold-dbm
| laser-tx-power-high-warn-threshold-dbm | laser-tx-power-low-warn-threshold-dbm
| module-temperature-high-alarm-threshold | module-temperature-low-alarm-threshold
| module-temperature-high-warn-threshold | module-temperature-low-warn-threshold
| laser-temperature-high-alarm-threshold | laser-temperature-low-alarm-threshold
| laser-temperature-high-warn-threshold | laser-temperature-low-warn-threshold
| laser-rx-power-high-alarm-threshold | laser-rx-power-low-alarm-threshold |
laser-rx-power-high-warn-threshold | laser-rx-power-low-warn-threshold |
laser-rx-power-high-alarm-threshold-dbm | laser-rx-power-low-alarm-threshold-dbm
| laser-rx-power-high-warn-threshold-dbm | laser-rx-power-low-warn-threshold-dbm
| optics-diagnostics-lane-values)*>

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<!ELEMENT optics-diagnostics-lane-values (lane-index | laser-bias-current |
laser-output-power | laser-output-power-dbm | laser-temperature |
laser-rx-optical-power | laser-rx-optical-power-dbm | laser-bias-current-high-alarm
| laser-bias-current-low-alarm | laser-bias-current-high-warn |
laser-bias-current-low-warn | laser-tx-power-high-alarm | laser-tx-power-low-alarm
| laser-tx-power-high-warn | laser-tx-power-low-warn | laser-temp-high-alarm |
laser-temp-low-alarm | laser-temp-high-warn | laser-temp-low-warn |
laser-rx-power-high-alarm | laser-rx-power-low-alarm | laser-rx-power-high-warn
| laser-rx-power-low-warn | tec-fault-alarm | wavelength-unlocked-alarm |
apd-supply-fault-alarm | tx-loss-of-signal-functionality-alarm |
tx-cdr-loss-of-lock-alarm | rx-loss-of-signal-alarm | rx-cdr-loss-of-lock-alarm)*>

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<!ELEMENT optics-properties (wavelength | frequency)*>

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<!ELEMENT otn-alarm-lof EMPTY>

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<!ELEMENT otn-alarm-lom EMPTY>

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<!ELEMENT otn-alarm-los EMPTY>

```

```

<!ELEMENT otn-alarm-odu-ais EMPTY>

```

```

<!ELEMENT otn-alarm-odu-bdi EMPTY>

```

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<!ELEMENT otn-alarm-odu-lck EMPTY>

```

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<!ELEMENT otn-alarm-odu-oci EMPTY>

```

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<!ELEMENT otn-alarm-odu-rx-aps-change EMPTY>

```

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<!ELEMENT otn-alarm-odu-sd EMPTY>

```

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<!ELEMENT otn-alarm-odu-sf EMPTY>

```

```

<!ELEMENT otn-alarm-odu-threshold-bbe EMPTY>

```

```

<!ELEMENT otn-alarm-odu-threshold-es EMPTY>

```

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<!ELEMENT otn-alarm-odu-threshold-ses EMPTY>

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<!ELEMENT otn-alarm-odu-threshold-uas EMPTY>

```

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<!ELEMENT otn-alarm-odu-ttim EMPTY>

<!ELEMENT otn-alarm-opu-pmi EMPTY>

<!ELEMENT otn-alarm-otu-ais EMPTY>

<!ELEMENT otn-alarm-otu-bdi EMPTY>

<!ELEMENT otn-alarm-otu-fec-degraded EMPTY>

<!ELEMENT otn-alarm-otu-fec-excessive EMPTY>

<!ELEMENT otn-alarm-otu-iae EMPTY>

<!ELEMENT otn-alarm-otu-sd EMPTY>

<!ELEMENT otn-alarm-otu-sf EMPTY>

<!ELEMENT otn-alarm-otu-threshold-bbe EMPTY>

<!ELEMENT otn-alarm-otu-threshold-es EMPTY>

<!ELEMENT otn-alarm-otu-threshold-ses EMPTY>

<!ELEMENT otn-alarm-otu-threshold-uas EMPTY>

<!ELEMENT otn-alarm-otu-ttim EMPTY>

<!ELEMENT otn-alarm-wavelength-lock EMPTY>

<!ELEMENT otn-errors (media-alarm)*>
<ATTLIST otn-errors junos:style CDATA #IMPLIED>

<!ELEMENT otn-fec-alarms (media-alarm)*>
<ATTLIST otn-fec-alarms junos:style CDATA #IMPLIED>

<!ELEMENT otn-fec-mode (fec-mode)*>
<ATTLIST otn-fec-mode junos:style CDATA #IMPLIED>

<!ELEMENT otn-fec-statistics (fec-corrected-errors | fec-valid-time |
fec-corrected-error-ratio)*>
<ATTLIST otn-fec-statistics junos:style CDATA #IMPLIED>

<!ELEMENT otn-loopback (#PCDATA)>

<!ELEMENT otn-mode (#PCDATA)>

<!ELEMENT otn-oc-information (media-alarm)*>
<ATTLIST otn-oc-information junos:style CDATA #IMPLIED>

<!ELEMENT otn-odu-information (media-alarm)*>
<ATTLIST otn-odu-information junos:style CDATA #IMPLIED>

<!ELEMENT otn-otn-loopback (otn-loopback)*>
<ATTLIST otn-otn-loopback junos:style CDATA #IMPLIED>

<!ELEMENT otn-otn-mode (otn-mode)*>
<ATTLIST otn-otn-mode junos:style CDATA #IMPLIED>

<!ELEMENT otn-otn-rate (otn-rate)*>
<ATTLIST otn-otn-rate junos:style CDATA #IMPLIED>
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<!ELEMENT otn-otu-information (media-alarm)*>
<!ATTLIST otn-otu-information junos:style CDATA #IMPLIED>

<!ELEMENT otn-rate (#PCDATA)>

<!ELEMENT otn-rx-overhead (#PCDATA)>

<!ELEMENT otn-rx-tti (#PCDATA)>

<!ELEMENT otn-stats-counter (#PCDATA)>

<!ELEMENT otn-tx-overhead (#PCDATA)>

<!ELEMENT otn-tx-tti (#PCDATA)>

<!ELEMENT out-of-order-sequence-number (#PCDATA)>

<!ELEMENT out-of-range-sequence-number (#PCDATA)>

<!ELEMENT out-of-sequence (#PCDATA)>

<!ELEMENT out-of-spec-bytes (#PCDATA)>

<!ELEMENT out-of-spec-frames (#PCDATA)>

<!ELEMENT output-bps (#PCDATA)>

<!ELEMENT output-broadcasts (#PCDATA)>

<!ELEMENT output-bytes (#PCDATA)>

<!ELEMENT output-collisions (#PCDATA)>

<!ELEMENT output-crc-errors (#PCDATA)>

<!ELEMENT output-disabled-bundle (#PCDATA)>

<!ELEMENT output-drops (#PCDATA)>

<!ELEMENT output-drops-bytes (#PCDATA)>

<!ELEMENT output-error-count (#PCDATA)>

<!ELEMENT output-error-list (carrier-transitions | output-errors | output-drops
| output-collisions | output-hs-link-fifo-overflows | aged-packets |
output-fifo-errors | hs-link-fifo-underflows | hs-link-crc-errors | mtu-errors |
output-resource-errors)*>

<!ELEMENT output-errors (#PCDATA)>

<!ELEMENT output-fifo-errors (#PCDATA)>

<!ELEMENT output-fps (#PCDATA)>

<!ELEMENT output-frames (#PCDATA)>

<!ELEMENT output-hs-link-fifo-overflows (#PCDATA)>

<!ELEMENT output-mac-control-frames (#PCDATA)>
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<!ELEMENT output-mac-pause-frames (#PCDATA)>
<!ELEMENT output-mac-pfc-frames (#PCDATA)>
<!ELEMENT output-multicasts (#PCDATA)>
<!ELEMENT output-packet-error-count (#PCDATA)>
<!ELEMENT output-packet-pad-count (#PCDATA)>
<!ELEMENT output-packets (#PCDATA)>
<!ELEMENT output-pps (#PCDATA)>
<!ELEMENT output-resource-errors (#PCDATA)>
<!ELEMENT output-unicasts (#PCDATA)>
<!ELEMENT over-red-differential (#PCDATA)>
<!ELEMENT over-yellow-differential (#PCDATA)>
<!ELEMENT oversized-frames (#PCDATA)>
<!ELEMENT ownership (#PCDATA)>
<!ELEMENT packet-buffer-overflow (#PCDATA)>
<!ELEMENT packet-drop-bytes (#PCDATA)>
<!ELEMENT packet-drops (#PCDATA)>
<!ELEMENT padg-credits (#PCDATA)>
<!ELEMENT padm-hurl (#PCDATA)>
<!ELEMENT padm-motm (#PCDATA)>
<!ELEMENT pap-state (#PCDATA)>
<!ELEMENT payload-scrambler (#PCDATA)>
<!ELEMENT peak (#PCDATA)>
<!ELEMENT peer-configuration-status (peer-nonmatching-dlci)*>
<!ATTLIST peer-configuration-status junos:style CDATA #IMPLIED>
<!ELEMENT peer-interface-name (#PCDATA)>
<!ELEMENT peer-nonmatching-dlci (#PCDATA)>
<!ELEMENT period (#PCDATA)>
<!ELEMENT pfe-information (destination-slot | destination-mask | stream-number |
  stream-mask | plp-byte | plp-byte-count | pop-all-label)*>
<!ELEMENT physical-burst (#PCDATA)>
<!ELEMENT physical-information (#PCDATA)>
<!ELEMENT physical-interface (name | mc-ae-status | admin-status | oper-status |
```

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    local-index | snmp-index | generation | description | if-type | link-level-type
    | mtu | link-mode | mac-mode | speed | max-speed | duplex | clocking | sonet-mode
    | physical-mode | l2circuit-mode | ifd-cell-bundle-size | ifd-cell-bundle-timeout
    | loopback | ih-parent | atm-line-build-out | atm-encapsulation | atm-e3-framing
    | sonet-loopback | crc | payload-scrambler | ingress-rate-limit | source-filtering
    | if-flow-control | bpdu-error | l2pt-error | if-unidirectional |
if-auto-negotiation | if-remote-fault | if-speed-auto-negotiation | if-auto-mdix
    | minimum-links-in-aggregate | minimum-bandwidth-in-aggregate | if-device-flags
    | if-config-flags | shared-interface-physical-interface | link-type |
if-media-flags | optics-properties | keepalive-config | lmi-dce-config |
lmi-dte-config | queue-counters | keepalive-statistics | ppp-flags | lcp-state |
ncp-information | chap-state | pap-state | physical-information | es-ifd-stats
    | up-hold-time | down-hold-time | current-physical-address |
hardware-physical-address | alternate-physical-address | interface-flapped |
statistics-cleared | preserve-interface | preserve-interface-statistics |
traffic-statistics | multicast-statistics | ingress-traffic-statistics |
multilink-interface-errors | mlfr-uni-nni-bundle-options | multilink-bundle-errors
    | input-error-list | input-error-count | output-error-list | output-error-count
    | ber-threshold | ds1-crc-alarm-threshold | active-alarms | active-defects |
media-state-information | sonet-errors | sonet-physical-information |
sonet-section-information | sonet-line-information | sonet-path-information |
sonet-payload-pointer-information | sonet-payload-pointer-curptr |
sonet-payload-pointer-ptrinc-count | sonet-payload-pointer-ptrdec-count |
sonet-payload-pointer-newptr-ndf-count | sonet-vt-information | sonet-rx-overhead
    | sonet-tx-overhead | sonet-rx-path-trace | sonet-tx-path-trace | otn-errors |
otn-rx-overhead | otn-tx-overhead | otn-stats-counter | otn-fec-statistics |
otn-fec-alarms | otn-fec-mode | otn-otn-mode | otn-otn-rate | otn-otn-loopback |
    otn-rx-tti | otn-tx-tti | media-information | ethernet-pcs-statistics |
ethernet-mac-statistics | fibrechannel-port-flow-control |
fibrechannel-mac-statistics | ethernet-filter-statistics | ethernet-autonegotiation
    | link-partner-status | local-info | mac-database | ds1-information |
vds1-information | shds1-information | atm-information | modem-information |
serial-information | virtual-path-information | ct3-information | cds1-information
    | nxds0-information | ds3-mode | ds3-long-buildout | e3-framing | ds1-framing |
dsu-information | ds3-bert-information | e3-bert-information |
ds1-bert-information | ds0-bert-information | hdlc-information | pfe-information
    | logical-interface | active-alarms-otn | active-defects-otn | links |
src-information | peer-configuration-status | lmi-statistics |
lsi-traffic-statistics | stp-traffic-statistics |
queue-num-forwarding-class-name-map | chassis-queue-counters |
ingress-queue-counters | otn-oc-information | otn-otu-information |
otn-odu-information | ima-state | ima-group-information | ima-link-information |
    ethernet-mac-pfc-statistics | satop-information | cesopsn-information |
ima-group-properties | ima-link-properties | cos-header | cos-information |
physical-interface-cos-information | mlfr-uni-nni-traffic-statistics |
interval-information)*>

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<!ELEMENT physical-interface-cos-hw-max-queues (#PCDATA)>
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<!ELEMENT physical-interface-cos-information (physical-interface-cos-hw-max-queues
    | physical-interface-cos-use-max-queues | physical-interface-schedulers |
physical-interface-red-buffer-occupancy)*>

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<!ELEMENT physical-interface-cos-use-max-queues (#PCDATA)>
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<!ELEMENT physical-interface-name (#PCDATA)>
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<!ELEMENT physical-interface-red-buffer-occupancy (instant-usage-weight-exponent)*>
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<!ELEMENT physical-interface-schedulers (#PCDATA)>
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<!ELEMENT physical-link (#PCDATA)>
<!ELEMENT physical-mode (#PCDATA)>
<!ELEMENT plcp-defects (media-alarm)*>
<!ELEMENT plcp-statistics (ferr-count | ferr-seconds | bipe-count | bipe-seconds
| febe-count | febe-seconds)*>
<!ELEMENT pld-flash-init-fault-alarm (#PCDATA)>
<!ELEMENT plp-byte (#PCDATA)>
<!ELEMENT plp-byte-count (#PCDATA)>
<!ELEMENT plp-to-clp EMPTY>
<!ELEMENT policer-dropped-bytes (#PCDATA)>
<!ELEMENT policer-dropped-frames (#PCDATA)>
<!ELEMENT policer-dropped-iq2-frames (#PCDATA)>
<!ELEMENT policer-dropped-rate (#PCDATA)>
<!ELEMENT policer-family (#PCDATA)>
<!ELEMENT policer-high-bytes (#PCDATA)>
<!ELEMENT policer-high-frames (#PCDATA)>
<!ELEMENT policer-high-iq2-frames (#PCDATA)>
<!ELEMENT policer-high-rate (#PCDATA)>
<!ELEMENT policer-information (policer-family | policer-input | policer-output)*>
<!ELEMENT policer-input (#PCDATA)>
<!ELEMENT policer-low-bytes (#PCDATA)>
<!ELEMENT policer-low-frames (#PCDATA)>
<!ELEMENT policer-low-iq2-frames (#PCDATA)>
<!ELEMENT policer-low-rate (#PCDATA)>
<!ELEMENT policer-medium-high-bytes (#PCDATA)>
<!ELEMENT policer-medium-high-frames (#PCDATA)>
<!ELEMENT policer-medium-high-iq2-frames (#PCDATA)>
<!ELEMENT policer-medium-high-rate (#PCDATA)>
<!ELEMENT policer-medium-low-bytes (#PCDATA)>
<!ELEMENT policer-medium-low-frames (#PCDATA)>
<!ELEMENT policer-medium-low-iq2-frames (#PCDATA)>
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<!ELEMENT policer-medium-low-rate (#PCDATA)>

<!ELEMENT policer-output (#PCDATA)>

<!ELEMENT policer-type (#PCDATA)>

<!ELEMENT pool-id (#PCDATA)>

<!ELEMENT pop-all-label (#PCDATA)>

<!ELEMENT port (#PCDATA)>

<!ELEMENT port-mtu (#PCDATA)>

<!ELEMENT power (#PCDATA)>

<!ELEMENT power-supply-fault-alarm (#PCDATA)>

<!ELEMENT ppp-flags (iff-ppp-flags-acfc | iff-ppp-flags-pfc)*>

<!ELEMENT ppp-parameters (lcp-restart-timer | ncp-restart-timer |
termination-requests | loopback-clear-timer)*>

<!ELEMENT pppoe-credit-scale-factor (#PCDATA)>

<!ELEMENT pppoe-credits (#PCDATA)>

<!ELEMENT pppoe-information (pppoe-interface)*>

<!ELEMENT pppoe-interface (interface-name | interface-index |
underlying-interface-name | underlying-interface-index | state | ifl-type |
session-id | ac-name-config | ac-name-session | service-name | remote-mac |
auto-reconnect | idle-timeout | session-uptime | dynamic-profile | pppoe-credits
| pppoe-credit-scale-factor | dynamic-interface-bandwidth | agent-circuit-id |
agent-remote-id | padm-motm | padm-hurl | padg-credits)*>

<!ELEMENT pppoe-underlying-information (pppoe-underlying-interface)*>

<!ELEMENT pppoe-underlying-interface (underlying-interface-name |
underlying-interface-index | state | dynamic-profile | max-sessions |
max-sessions-vs-a-ignore | active-sessions | ac-name | service-name-table |
duplicate-protection)*>

<!ELEMENT preserve-interface (#PCDATA)>

<!ELEMENT preserve-interface-statistics (if-switchover-total |
if-switchover-last-attempt | if-switchover-last-time |
if-switchover-min-max-avg-time)*>

<!ELEMENT primary-interface (#PCDATA)>

<!ELEMENT processing-errors (#PCDATA)>

<!ELEMENT queue (queue-number | forwarding-class-name |
queue-counters-queued-packets | queue-counters-queued-packets-na |
queue-counters-queued-bytes-na | queue-counters-queued-bytes |
queue-counters-queued-packets-rate | queue-counters-queued-bytes-rate |
queue-counters-trans-packets | queue-counters-trans-bytes |
queue-counters-trans-packets-rate | queue-counters-trans-bytes-rate |
queue-counters-tail-drop-packets | queue-counters-tail-drop-packets-rate |
queue-counters-tail-drop-packets-na | queue-counters-tail-drop-bytes |
```



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queue-counters-tail-drop-bytes-rate | queue-counters-rate-limit-drop-packets |
queue-counters-rate-limit-drop-packets-rate |
queue-counters-rate-limit-drop-packets-na | queue-counters-rate-limit-drop-bytes
| queue-counters-rate-limit-drop-bytes-rate |
queue-counters-rate-limit-drop-bytes-na | queue-counters-red-packets-na |
queue-counters-red-packets | queue-counters-red-bytes-na | queue-counters-red-bytes
| queue-counters-red-packets-rate | queue-counters-red-bytes-rate |
queue-counters-red-packets-ln | queue-counters-red-bytes-ln |
queue-counters-red-packets-rate-ln | queue-counters-red-bytes-rate-ln |
queue-counters-red-packets-lt | queue-counters-red-bytes-lt |
queue-counters-red-packets-rate-lt | queue-counters-red-bytes-rate-lt |
queue-counters-red-packets-ht | queue-counters-red-bytes-ht |
queue-counters-red-packets-rate-ht | queue-counters-red-bytes-rate-ht |
queue-counters-red-packets-hn | queue-counters-red-bytes-hn |
queue-counters-red-packets-rate-hn | queue-counters-red-bytes-rate-hn |
queue-counters-red-packets-low | queue-counters-red-bytes-low |
queue-counters-red-packets-rate-low | queue-counters-red-bytes-rate-low |
queue-counters-red-packets-medium-low | queue-counters-red-bytes-medium-low |
queue-counters-red-packets-rate-medium-low |
queue-counters-red-bytes-rate-medium-low | queue-counters-red-packets-medium-high
| queue-counters-red-bytes-medium-high |
queue-counters-red-packets-rate-medium-high | queue-counters-red-packets-medium |
queue-counters-red-bytes-medium | queue-counters-red-packets-rate-medium |
queue-counters-red-bytes-rate-medium | queue-counters-red-packets-high |
queue-counters-red-bytes-high | queue-counters-red-packets-rate-high |
queue-counters-red-bytes-rate-high | queue-counters-total-drop-packets |
queue-counters-total-drop-packets-rate | queue-counters-total-drop-bytes |
queue-counters-total-drop-bytes-rate)*>

```

```

<!ELEMENT queue-counters (queue-counters-error-message | queue |
interface-cos-short-summary | interface-cos-summary)*>
<!ATTLIST queue-counters junos:style CDATA #IMPLIED>

```

```

<!ELEMENT queue-counters-error-message (#PCDATA)>

```

```

<!ELEMENT queue-counters-queued-bytes (#PCDATA)>

```

```

<!ELEMENT queue-counters-queued-bytes-na (#PCDATA)>

```

```

<!ELEMENT queue-counters-queued-bytes-rate (#PCDATA)>

```

```

<!ELEMENT queue-counters-queued-packets (#PCDATA)>

```

```

<!ELEMENT queue-counters-queued-packets-na (#PCDATA)>

```

```

<!ELEMENT queue-counters-queued-packets-rate (#PCDATA)>

```

```

<!ELEMENT queue-counters-rate-limit-drop-bytes (#PCDATA)>

```

```

<!ELEMENT queue-counters-rate-limit-drop-bytes-na (#PCDATA)>

```

```

<!ELEMENT queue-counters-rate-limit-drop-bytes-rate (#PCDATA)>

```

```

<!ELEMENT queue-counters-rate-limit-drop-packets (#PCDATA)>

```

```

<!ELEMENT queue-counters-rate-limit-drop-packets-na (#PCDATA)>

```

```

<!ELEMENT queue-counters-rate-limit-drop-packets-rate (#PCDATA)>

```

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<!ELEMENT queue-counters-red-bytes (#PCDATA)>

```

```
<!ELEMENT queue-counters-red-bytes-high (#PCDATA)>
<!ELEMENT queue-counters-red-bytes-hn (#PCDATA)>
<!ELEMENT queue-counters-red-bytes-ht (#PCDATA)>
<!ELEMENT queue-counters-red-bytes-ln (#PCDATA)>
<!ELEMENT queue-counters-red-bytes-low (#PCDATA)>
<!ELEMENT queue-counters-red-bytes-lt (#PCDATA)>
<!ELEMENT queue-counters-red-bytes-medium (#PCDATA)>
<!ELEMENT queue-counters-red-bytes-medium-high (#PCDATA)>
<!ELEMENT queue-counters-red-bytes-medium-low (#PCDATA)>
<!ELEMENT queue-counters-red-bytes-na (#PCDATA)>
<!ELEMENT queue-counters-red-bytes-rate (#PCDATA)>
<!ELEMENT queue-counters-red-bytes-rate-high (#PCDATA)>
<!ELEMENT queue-counters-red-bytes-rate-hn (#PCDATA)>
<!ELEMENT queue-counters-red-bytes-rate-ht (#PCDATA)>
<!ELEMENT queue-counters-red-bytes-rate-ln (#PCDATA)>
<!ELEMENT queue-counters-red-bytes-rate-low (#PCDATA)>
<!ELEMENT queue-counters-red-bytes-rate-lt (#PCDATA)>
<!ELEMENT queue-counters-red-bytes-rate-medium (#PCDATA)>
<!ELEMENT queue-counters-red-bytes-rate-medium-high (#PCDATA)>
<!ELEMENT queue-counters-red-bytes-rate-medium-low (#PCDATA)>
<!ELEMENT queue-counters-red-packets (#PCDATA)>
<!ELEMENT queue-counters-red-packets-high (#PCDATA)>
<!ELEMENT queue-counters-red-packets-hn (#PCDATA)>
<!ELEMENT queue-counters-red-packets-ht (#PCDATA)>
<!ELEMENT queue-counters-red-packets-ln (#PCDATA)>
<!ELEMENT queue-counters-red-packets-low (#PCDATA)>
<!ELEMENT queue-counters-red-packets-lt (#PCDATA)>
<!ELEMENT queue-counters-red-packets-medium (#PCDATA)>
<!ELEMENT queue-counters-red-packets-medium-high (#PCDATA)>
<!ELEMENT queue-counters-red-packets-medium-low (#PCDATA)>
```

```
<!ELEMENT queue-counters-red-packets-na (#PCDATA)>
<!ELEMENT queue-counters-red-packets-rate (#PCDATA)>
<!ELEMENT queue-counters-red-packets-rate-high (#PCDATA)>
<!ELEMENT queue-counters-red-packets-rate-hn (#PCDATA)>
<!ELEMENT queue-counters-red-packets-rate-ht (#PCDATA)>
<!ELEMENT queue-counters-red-packets-rate-ln (#PCDATA)>
<!ELEMENT queue-counters-red-packets-rate-low (#PCDATA)>
<!ELEMENT queue-counters-red-packets-rate-lt (#PCDATA)>
<!ELEMENT queue-counters-red-packets-rate-medium (#PCDATA)>
<!ELEMENT queue-counters-red-packets-rate-medium-high (#PCDATA)>
<!ELEMENT queue-counters-red-packets-rate-medium-low (#PCDATA)>
<!ELEMENT queue-counters-tail-drop-bytes (#PCDATA)>
<!ELEMENT queue-counters-tail-drop-bytes-rate (#PCDATA)>
<!ELEMENT queue-counters-tail-drop-packets (#PCDATA)>
<!ELEMENT queue-counters-tail-drop-packets-na (#PCDATA)>
<!ELEMENT queue-counters-tail-drop-packets-rate (#PCDATA)>
<!ELEMENT queue-counters-total-drop-bytes (#PCDATA)>
<!ELEMENT queue-counters-total-drop-bytes-rate (#PCDATA)>
<!ELEMENT queue-counters-total-drop-packets (#PCDATA)>
<!ELEMENT queue-counters-total-drop-packets-rate (#PCDATA)>
<!ELEMENT queue-counters-trans-bytes (#PCDATA)>
<!ELEMENT queue-counters-trans-bytes-rate (#PCDATA)>
<!ELEMENT queue-counters-trans-packets (#PCDATA)>
<!ELEMENT queue-counters-trans-packets-rate (#PCDATA)>
<!ELEMENT queue-depth (#PCDATA)>
<!ELEMENT queue-limit (#PCDATA)>
<!ELEMENT queue-num-forwarding-class-name-map (queue-number |
forwarding-class-name)*>
<!ELEMENT queue-number (#PCDATA)>
<!ELEMENT queueing-drops (#PCDATA)>
<!ELEMENT range (#PCDATA)>
```

```
<!ELEMENT ranging (#PCDATA)>
<!ELEMENT rcv-lip-addlink (#PCDATA)>
<!ELEMENT rcv-lip-hello (#PCDATA)>
<!ELEMENT rcv-lip-hello-ack (#PCDATA)>
<!ELEMENT rcv-lip-link-ack (#PCDATA)>
<!ELEMENT rcv-lip-link-rej (#PCDATA)>
<!ELEMENT rcv-lip-link-rem (#PCDATA)>
<!ELEMENT rcv-lip-rem-ack (#PCDATA)>
<!ELEMENT receive-bytes (#PCDATA)>
<!ELEMENT receive-frames (#PCDATA)>
<!ELEMENT received-count (#PCDATA)>
<!ELEMENT recent-high-differential-delay (#PCDATA)>
<!ELEMENT red-differential-delay (#PCDATA)>
<!ELEMENT red-differential-delay-action (#PCDATA)>
<!ELEMENT redial-delay (#PCDATA)>
<!ELEMENT redundant-logical-interface-name (#PCDATA)>
<!ELEMENT remote-mac (#PCDATA)>
<!ELEMENT remote-mrru (#PCDATA)>
<!ELEMENT removed-bundle-links (#PCDATA)>
<!ELEMENT request-opportunity-burst (#PCDATA)>
<!ELEMENT resync-counter (#PCDATA)>
<!ELEMENT resync-history (resync-counter | resync-timestamp)*>
<!ELEMENT resync-timestamp (#PCDATA)>
<!ATTLIST resync-timestamp junos:seconds CDATA #IMPLIED>
<!ELEMENT route-rpf-bytes (#PCDATA)>
<!ELEMENT route-rpf-packets (#PCDATA)>
<!ELEMENT route-rpf-statistics (route-rpf-packets | route-rpf-bytes)*>
<!ELEMENT route-table (#PCDATA)>
<!ELEMENT rts (#PCDATA)>
<!ELEMENT rts-polarity (#PCDATA)>
<!ELEMENT rx-cdr-loss-of-lock-alarm (#PCDATA)>
```

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<!ELEMENT rx-cell-count (#PCDATA)>
<!ELEMENT rx-cell-fifo-overruns (#PCDATA)>
<!ELEMENT rx-cell-fifo-underruns (#PCDATA)>
<!ELEMENT rx-class-2-frames (#PCDATA)>
<!ELEMENT rx-class-2-octets (#PCDATA)>
<!ELEMENT rx-class-3-frames (#PCDATA)>
<!ELEMENT rx-class-3-octets (#PCDATA)>
<!ELEMENT rx-class-f-frames (#PCDATA)>
<!ELEMENT rx-class-f-octets (#PCDATA)>
<!ELEMENT rx-clock (#PCDATA)>
<!ELEMENT rx-delimiter-errors (#PCDATA)>
<!ELEMENT rx-encoding-disparity-errors (#PCDATA)>
<!ELEMENT rx-fe (#PCDATA)>
<!ELEMENT rx-frames-too-long (#PCDATA)>
<!ELEMENT rx-frames-too-short (#PCDATA)>
<!ELEMENT rx-input-buffers-full (#PCDATA)>
<!ELEMENT rx-invalid-crcs (#PCDATA)>
<!ELEMENT rx-invalid-ordered-sets (#PCDATA)>
<!ELEMENT rx-invalid-tx-words (#PCDATA)>
<!ELEMENT rx-invalid-vcs (#PCDATA)>
<!ELEMENT rx-link-reset-responses (#PCDATA)>
<!ELEMENT rx-link-resets (#PCDATA)>
<!ELEMENT rx-loss-ac-power-alarm (#PCDATA)>
<!ELEMENT rx-loss-avg-opt-power-alarm (#PCDATA)>
<!ELEMENT rx-loss-of-pll-alarm (#PCDATA)>
<!ELEMENT rx-loss-of-signal-alarm (#PCDATA)>
<!ELEMENT rx-missing-eof (#PCDATA)>
<!ELEMENT rx-nhid (#PCDATA)>
<!ELEMENT rx-not-operationals (#PCDATA)>
<!ELEMENT rx-not-ready-alarm (#PCDATA)>
<!ELEMENT rx-offlines (#PCDATA)>
```

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<!ELEMENT rx-other-errors (#PCDATA)>

<!ELEMENT rx-prim-seq-protocol-errors (#PCDATA)>

<!ELEMENT rx-sequence-number (#PCDATA)>

<!ELEMENT rx-signal-avg-optical-power (#PCDATA)>

<!ELEMENT rx-signal-avg-optical-power-dbm (#PCDATA)>

<!ELEMENT satop-information (ce-payload-size | ce-idle-pattern | ce-octet-aligned
| ce-jitter-buffer-packets | ce-jitter-buffer-latency |
ce-jitter-buffer-auto-adjust | ce-excessive-packet-loss-rate-sample-period |
ce-excessive-packet-loss-rate-threshold)*>

<!ELEMENT scheduling-priority (#PCDATA)>

<!ELEMENT scu-class-bps (#PCDATA)>

<!ELEMENT scu-class-bytes (#PCDATA)>

<!ELEMENT scu-class-name (#PCDATA)>

<!ELEMENT scu-class-packets (#PCDATA)>

<!ELEMENT scu-class-pps (#PCDATA)>

<!ELEMENT sdh-alarm-berr-sd EMPTY>

<!ELEMENT sdh-alarm-berr-sf EMPTY>

<!ELEMENT sdh-alarm-hpais EMPTY>

<!ELEMENT sdh-alarm-hpfebe EMPTY>

<!ELEMENT sdh-alarm-hpferf EMPTY>

<!ELEMENT sdh-alarm-hpplm EMPTY>

<!ELEMENT sdh-alarm-hpuneq EMPTY>

<!ELEMENT sdh-alarm-loc EMPTY>

<!ELEMENT sdh-alarm-lof EMPTY>

<!ELEMENT sdh-alarm-lol EMPTY>

<!ELEMENT sdh-alarm-lop EMPTY>

<!ELEMENT sdh-alarm-los EMPTY>

<!ELEMENT sdh-alarm-msais EMPTY>

<!ELEMENT sdh-alarm-msferf EMPTY>

<!ELEMENT sdh-alarm-oof EMPTY>

<!ELEMENT sdh-alarm-pll EMPTY>

<!ELEMENT sdh-alarm-tuais EMPTY>
```

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<!ELEMENT sdh-alarm-tuloc EMPTY>

<!ELEMENT sdh-alarm-tulop EMPTY>

<!ELEMENT sdh-alarm-tumis EMPTY>

<!ELEMENT sdh-alarm-turdi EMPTY>

<!ELEMENT sdh-alarm-tuuneq EMPTY>

<!ELEMENT sequence-number-format (#PCDATA)>

<!ELEMENT sequence-number-missing (#PCDATA)>

<!ELEMENT serial-encoding (serial-encoding-conf)*>

<!ELEMENT serial-encoding-conf (#PCDATA)>

<!ELEMENT serial-information (line-protocol | resync-history | clocking-mode |
clocking-rate | serial-encoding | dtr-circuit | eia530-signal-polarity |
x21-signal-polarity | serial-loopback | tx-clock | data-signal |
eia530-control-signal | x21-control-signal | dce-loopback-override)*>
<!ATTLIST serial-information heading CDATA #IMPLIED>

<!ELEMENT serial-loopback (serial-loopback-mode)*>

<!ELEMENT serial-loopback-mode (#PCDATA)>

<!ELEMENT service-name (#PCDATA)>

<!ELEMENT service-name-table (#PCDATA)>

<!ELEMENT session-id (#PCDATA)>

<!ELEMENT session-uptime (#PCDATA)>

<!ELEMENT shared-interface-information (shared-interface-logical-interface)*>

<!ELEMENT shared-interface-logical-interface (peer-interface-name |
interface-shared-with | rx-fe | rx-nhid | tx-fe | tx-nhid)*>

<!ELEMENT shared-interface-physical-interface (ownership)*>

<!ELEMENT shdsl-alarm-line1-losd EMPTY>

<!ELEMENT shdsl-alarm-line1-losw EMPTY>

<!ELEMENT shdsl-alarm-line2-losd EMPTY>

<!ELEMENT shdsl-alarm-line2-losw EMPTY>

<!ELEMENT shdsl-alarm-losd EMPTY>

<!ELEMENT shdsl-alarm-losw EMPTY>

<!ELEMENT shdsl-annex (#PCDATA)>

<!ELEMENT shdsl-bit-rate (#PCDATA)>

<!ELEMENT shdsl-cell-drop (#PCDATA)>

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<!ELEMENT shdsl-chipset-version (#PCDATA)>

<!ELEMENT shdsl-crc (#PCDATA)>

<!ELEMENT shdsl-dying-gasp (#PCDATA)>

<!ELEMENT shdsl-firmware-version (#PCDATA)>

<!ELEMENT shdsl-framer-mode (#PCDATA)>

<!ELEMENT shdsl-framer-sync-status (#PCDATA)>

<!ELEMENT shdsl-hec (#PCDATA)>

<!ELEMENT shdsl-information (shdsl-line-termination | shdsl-annex | shdsl-line-mode
| shdsl-modem-status | shdsl-bit-rate | shdsl-last-fail-reason |
shdsl-last-fail-code | shdsl-framer-mode | shdsl-dying-gasp |
shdsl-framer-sync-status | shdsl-chipset-version | shdsl-firmware-version |
shdsl-statistics)*>

<!ELEMENT shdsl-last-fail-code (#PCDATA)>

<!ELEMENT shdsl-last-fail-reason (#PCDATA)>

<!ELEMENT shdsl-line-mode (#PCDATA)>

<!ELEMENT shdsl-line-termination (#PCDATA)>

<!ELEMENT shdsl-loop-attenuation (#PCDATA)>

<!ELEMENT shdsl-losw (#PCDATA)>

<!ELEMENT shdsl-modem-status (#PCDATA)>

<!ELEMENT shdsl-receiver-gain (#PCDATA)>

<!ELEMENT shdsl-rx-cells (#PCDATA)>

<!ELEMENT shdsl-sega (#PCDATA)>

<!ELEMENT shdsl-snr-sampling (#PCDATA)>

<!ELEMENT shdsl-statistics (shdsl-loop-attenuation | shdsl-transmit-power |
shdsl-receiver-gain | shdsl-snr-sampling | shdsl-rx-cells | shdsl-tx-cells |
shdsl-crc | shdsl-sega | shdsl-losw | shdsl-hec | shdsl-cell-drop)*>

<!ELEMENT shdsl-transmit-power (#PCDATA)>

<!ELEMENT shdsl-tx-cells (#PCDATA)>

<!ELEMENT signal-to-noise-ratio (#PCDATA)>

<!ELEMENT snmp-index (#PCDATA)>

<!ELEMENT soa-bias-current (#PCDATA)>

<!ELEMENT soa-bias-current-high-alarm (#PCDATA)>

<!ELEMENT soa-bias-current-high-alarm-threshold (#PCDATA)>
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<!ELEMENT soa-bias-current-high-warn (#PCDATA)>
<!ELEMENT soa-bias-current-high-warn-threshold (#PCDATA)>
<!ELEMENT soa-bias-current-low-alarm (#PCDATA)>
<!ELEMENT soa-bias-current-low-alarm-threshold (#PCDATA)>
<!ELEMENT soa-bias-current-low-warn (#PCDATA)>
<!ELEMENT soa-bias-current-low-warn-threshold (#PCDATA)>
<!ELEMENT soa-bias-current-not-available (#PCDATA)>
<!ELEMENT sonet-alarm-berr-sd EMPTY>
<!ELEMENT sonet-alarm-berr-sf EMPTY>
<!ELEMENT sonet-alarm-lais EMPTY>
<!ELEMENT sonet-alarm-loc EMPTY>
<!ELEMENT sonet-alarm-lof EMPTY>
<!ELEMENT sonet-alarm-lo1 EMPTY>
<!ELEMENT sonet-alarm-lop EMPTY>
<!ELEMENT sonet-alarm-los EMPTY>
<!ELEMENT sonet-alarm-lr1di EMPTY>
<!ELEMENT sonet-alarm-pais EMPTY>
<!ELEMENT sonet-alarm-p11 EMPTY>
<!ELEMENT sonet-alarm-pmis EMPTY>
<!ELEMENT sonet-alarm-prdi EMPTY>
<!ELEMENT sonet-alarm-rei EMPTY>
<!ELEMENT sonet-alarm-sef EMPTY>
<!ELEMENT sonet-alarm-uneq EMPTY>
<!ELEMENT sonet-alarm-vais EMPTY>
<!ELEMENT sonet-alarm-vloc EMPTY>
<!ELEMENT sonet-alarm-vlop EMPTY>
<!ELEMENT sonet-alarm-vmis EMPTY>
<!ELEMENT sonet-alarm-vr1di EMPTY>
<!ELEMENT sonet-alarm-vuneq EMPTY>
<!ELEMENT sonet-errors (media-alarm)*>
<!ATTLIST sonet-errors junos:style CDATA #IMPLIED>
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<!ELEMENT sonet-line-information (media-alarm)*>
<!ATTLIST sonet-line-information junos:style CDATA #IMPLIED>

<!ELEMENT sonet-loopback (#PCDATA)>

<!ELEMENT sonet-mode (#PCDATA)>

<!ELEMENT sonet-path-information (media-alarm)*>
<!ATTLIST sonet-path-information junos:style CDATA #IMPLIED>

<!ELEMENT sonet-payload-pointer-curptr (#PCDATA)>

<!ELEMENT sonet-payload-pointer-information (sonet-payload-pointer-curptr |
sonet-payload-pointer-ptrinc-count | sonet-payload-pointer-ptrdec-count |
sonet-payload-pointer-newptr-ndf-count)*>

<!ELEMENT sonet-payload-pointer-newptr-ndf-count (#PCDATA)>

<!ELEMENT sonet-payload-pointer-ptrdec-count (#PCDATA)>

<!ELEMENT sonet-payload-pointer-ptrinc-count (#PCDATA)>

<!ELEMENT sonet-physical-information (media-alarm)*>
<!ATTLIST sonet-physical-information junos:style CDATA #IMPLIED>

<!ELEMENT sonet-rx-overhead (#PCDATA)>

<!ELEMENT sonet-rx-path-trace (#PCDATA)>

<!ELEMENT sonet-section-information (media-alarm)*>
<!ATTLIST sonet-section-information junos:style CDATA #IMPLIED>

<!ELEMENT sonet-tx-overhead (#PCDATA)>

<!ELEMENT sonet-tx-path-trace (#PCDATA)>

<!ELEMENT sonet-vt-information (media-alarm)*>
<!ATTLIST sonet-vt-information junos:style CDATA #IMPLIED>

<!ELEMENT source-class (scu-class-name | scu-class-packets | scu-class-bytes |
scu-class-pps | scu-class-bps)*>

<!ELEMENT source-class-statistics (source-class)*>

<!ELEMENT source-filtering (#PCDATA)>

<!ELEMENT speed (#PCDATA)>

<!ELEMENT sram-errors (#PCDATA)>

<!ELEMENT src-chassis-name (#PCDATA)>

<!ELEMENT src-fpc (#PCDATA)>

<!ELEMENT src-information (src-chassis-name | src-fpc | src-pfe-id)*>

<!ELEMENT src-pfe-id (#PCDATA)>

<!ELEMENT standard-long-grant (#PCDATA)>

<!ELEMENT standard-short-grant (#PCDATA)>
```

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<!ELEMENT start-end-flag (#PCDATA)>

<!ELEMENT start-vci (#PCDATA)>

<!ELEMENT state (#PCDATA)>

<!ELEMENT statistics-cleared (#PCDATA)>

<!ELEMENT stp-input-bytes-dropped (#PCDATA)>

<!ELEMENT stp-input-packets-dropped (#PCDATA)>

<!ELEMENT stp-output-bytes-dropped (#PCDATA)>

<!ELEMENT stp-output-packets-dropped (#PCDATA)>

<!ELEMENT stp-traffic-statistics (stp-input-bytes-dropped |
stp-output-bytes-dropped | stp-input-packets-dropped |
stp-output-packets-dropped)*>
<!ATTLIST stp-traffic-statistics junos:style CDATA #IMPLIED>

<!ELEMENT stream-mask (#PCDATA)>

<!ELEMENT stream-number (#PCDATA)>

<!ELEMENT sub-interface-list (sub-interface-name)*>
<!ATTLIST sub-interface-list junos:style CDATA #IMPLIED>

<!ELEMENT sub-interface-name (#PCDATA)>

<!ELEMENT sustained (#PCDATA)>

<!ELEMENT svlan-ethertype (#PCDATA)>

<!ELEMENT sw-link-resets (#PCDATA)>

<!ELEMENT t391 (#PCDATA)>

<!ELEMENT t392 (#PCDATA)>

<!ELEMENT tagged-cells (#PCDATA)>

<!ELEMENT targeting-intf-link-state (#PCDATA)>

<!ELEMENT targeting-intf-name (#PCDATA)>

<!ELEMENT targeting-intf-type (#PCDATA)>

<!ELEMENT tec-fault-alarm (#PCDATA)>

<!ELEMENT termination-requests (#PCDATA)>

<!ELEMENT timeouts (#PCDATA)>

<!ELEMENT tm (#PCDATA)>

<!ELEMENT tm-polarity (#PCDATA)>

<!ELEMENT to-dce (dtr | rts | cts | dcd | dsr)*>
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<!ELEMENT to-dte (dtr | rts | cts | dcd | dsr)*>

<!ELEMENT total-anti-replay-count (#PCDATA)>

<!ELEMENT total-authentication-failure-count (#PCDATA)>

<!ELEMENT traffic-statistics (input-bytes | output-bytes | input-bps | output-bps
| input-packets | output-packets | input-pps | output-pps |
ipv6-transit-statistics | ipv6-total-statistics)*>
<!ATTLIST traffic-statistics junos:style CDATA #IMPLIED>

<!ELEMENT transit-traffic-statistics (input-bytes | output-bytes | input-bps |
output-bps | input-packets | output-packets | input-pps | output-pps |
ipv6-transit-statistics | ipv6-total-statistics)*>

<!ELEMENT transmit-bytes (#PCDATA)>

<!ELEMENT transmit-frames (#PCDATA)>

<!ELEMENT transmit-weight-cells (#PCDATA)>

<!ELEMENT transmit-weight-percent (#PCDATA)>

<!ELEMENT transmitted-count (#PCDATA)>

<!ELEMENT trunk (#PCDATA)>

<!ELEMENT trunk-bandwidth (#PCDATA)>

<!ELEMENT tuner-frequency (#PCDATA)>

<!ELEMENT tx-bb-credit-zeroes (#PCDATA)>

<!ELEMENT tx-cdr-loss-of-lock-alarm (#PCDATA)>

<!ELEMENT tx-cell-count (#PCDATA)>

<!ELEMENT tx-cell-fifo-overruns (#PCDATA)>

<!ELEMENT tx-class-2-frames (#PCDATA)>

<!ELEMENT tx-class-2-octets (#PCDATA)>

<!ELEMENT tx-class-3-frames (#PCDATA)>

<!ELEMENT tx-class-3-octets (#PCDATA)>

<!ELEMENT tx-class-f-frames (#PCDATA)>

<!ELEMENT tx-class-f-octets (#PCDATA)>

<!ELEMENT tx-clock (tx-clock-mode)*>

<!ELEMENT tx-clock-mode (#PCDATA)>

<!ELEMENT tx-data-not-ready-alarm (#PCDATA)>

<!ELEMENT tx-fe (#PCDATA)>

<!ELEMENT tx-idle-cell-count (#PCDATA)>
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<!ELEMENT tx-laser-disabled-alarm (#PCDATA)>
<!ELEMENT tx-laser-fault-alarm (#PCDATA)>
<!ELEMENT tx-link-reset-responses (#PCDATA)>
<!ELEMENT tx-link-resets (#PCDATA)>
<!ELEMENT tx-loss-of-pll-alarm (#PCDATA)>
<!ELEMENT tx-loss-of-signal-functionality-alarm (#PCDATA)>
<!ELEMENT tx-mux-fifo-error-alarm (#PCDATA)>
<!ELEMENT tx-nhid (#PCDATA)>
<!ELEMENT tx-not-operationals (#PCDATA)>
<!ELEMENT tx-not-ready-alarm (#PCDATA)>
<!ELEMENT tx-offlines (#PCDATA)>
<!ELEMENT tx-other-errors (#PCDATA)>
<!ELEMENT tx-sequence-number (#PCDATA)>
<!ELEMENT type (#PCDATA)>
<!ELEMENT type-otn (#PCDATA)>
<!ELEMENT uncorrectable-hcs-errors (#PCDATA)>
<!ELEMENT underlying-interface-index (#PCDATA)>
<!ELEMENT underlying-interface-name (#PCDATA)>
<!ELEMENT unknown-rx-packets (#PCDATA)>
<!ELEMENT unnumbered-family-donor-interface-index (#PCDATA)>
<!ELEMENT unnumbered-family-donor-interface-name (#PCDATA)>
<!ELEMENT unnumbered-family-preferred-source-address (#PCDATA)>
<!ELEMENT up-count (#PCDATA)>
<!ELEMENT up-hold-time (#PCDATA)>
<!ELEMENT upstream-buffers-free (#PCDATA)>
<!ELEMENT upstream-buffers-used (#PCDATA)>
<!ELEMENT vc-cos-mode (#PCDATA)>
<!ELEMENT vc-queue-drops (#PCDATA)>
<!ELEMENT vci (#PCDATA)>
<!ELEMENT vci-range (vpi | start-vci | end-vci)*>
<!ELEMENT vds1-annex-type (#PCDATA)>
```

```
<!ELEMENT vdsl-chipset-information (vtu-r-vendor-id | vtu-c-vendor-id |
vtu-r-vendor-specific | vtu-c-vendor-specific | vtu-r-country-code |
vtu-c-country-code)*>

<!ELEMENT vdsl-far-end-attainable-bitrate (#PCDATA)>

<!ELEMENT vdsl-far-end-attenuation (#PCDATA)>

<!ELEMENT vdsl-far-end-capacity-used (#PCDATA)>

<!ELEMENT vdsl-far-end-fast-bitrate (#PCDATA)>

<!ELEMENT vdsl-far-end-fast-crc (#PCDATA)>

<!ELEMENT vdsl-far-end-fast-fec (#PCDATA)>

<!ELEMENT vdsl-far-end-fast-hec (#PCDATA)>

<!ELEMENT vdsl-far-end-interleaved-bitrate (#PCDATA)>

<!ELEMENT vdsl-far-end-interleaved-crc (#PCDATA)>

<!ELEMENT vdsl-far-end-interleaved-fec (#PCDATA)>

<!ELEMENT vdsl-far-end-interleaved-hec (#PCDATA)>

<!ELEMENT vdsl-far-end-noise-margin (#PCDATA)>

<!ELEMENT vdsl-far-end-output-power (#PCDATA)>

<!ELEMENT vdsl-information (vds1-line-status | vds1-line-profile-type |
vds1-line-type | vds1-annex-type | vds1-last-fail-code | vds1-subfunction |
vds1-seconds-in-showtime | vds1-chipset-information | vds1-statistics)*>

<!ELEMENT vds1-last-fail-code (#PCDATA)>

<!ELEMENT vds1-line-profile-type (#PCDATA)>

<!ELEMENT vds1-line-status (#PCDATA)>

<!ELEMENT vds1-line-type (#PCDATA)>

<!ELEMENT vds1-near-end-attainable-bitrate (#PCDATA)>

<!ELEMENT vds1-near-end-attenuation (#PCDATA)>

<!ELEMENT vds1-near-end-capacity-used (#PCDATA)>

<!ELEMENT vds1-near-end-fast-bitrate (#PCDATA)>

<!ELEMENT vds1-near-end-fast-crc (#PCDATA)>

<!ELEMENT vds1-near-end-fast-fec (#PCDATA)>

<!ELEMENT vds1-near-end-fast-hec (#PCDATA)>

<!ELEMENT vds1-near-end-fast-rx-cells (#PCDATA)>

<!ELEMENT vds1-near-end-fast-tx-cells (#PCDATA)>
```

```

<!ELEMENT vdsl-near-end-interleaved-bitrate (#PCDATA)>

<!ELEMENT vdsl-near-end-interleaved-crc (#PCDATA)>

<!ELEMENT vdsl-near-end-interleaved-fec (#PCDATA)>

<!ELEMENT vdsl-near-end-interleaved-hec (#PCDATA)>

<!ELEMENT vdsl-near-end-interleaved-rx-cells (#PCDATA)>

<!ELEMENT vdsl-near-end-interleaved-tx-cells (#PCDATA)>

<!ELEMENT vdsl-near-end-noise-margin (#PCDATA)>

<!ELEMENT vdsl-near-end-output-power (#PCDATA)>

<!ELEMENT vdsl-seconds-in-showtime (#PCDATA)>

<!ELEMENT vdsl-statistics (vdsl-near-end-attainable-bitrate |
vdsl-far-end-attainable-bitrate | vdsl-near-end-attenuation |
vdsl-far-end-attenuation | vdsl-near-end-capacity-used | vdsl-far-end-capacity-used
| vdsl-near-end-noise-margin | vdsl-far-end-noise-margin |
vdsl-near-end-output-power | vdsl-far-end-output-power |
vdsl-near-end-interleaved-bitrate | vdsl-near-end-fast-bitrate |
vdsl-far-end-interleaved-bitrate | vdsl-far-end-fast-bitrate |
vdsl-near-end-interleaved-crc | vdsl-near-end-fast-crc |
vdsl-far-end-interleaved-crc | vdsl-far-end-fast-crc |
vdsl-near-end-interleaved-hec | vdsl-near-end-fast-hec |
vdsl-far-end-interleaved-hec | vdsl-far-end-fast-hec |
vdsl-near-end-interleaved-fec | vdsl-near-end-fast-fec |
vdsl-far-end-interleaved-fec | vdsl-far-end-fast-fec |
vdsl-near-end-interleaved-rx-cells | vdsl-near-end-fast-rx-cells |
vdsl-near-end-interleaved-tx-cells | vdsl-near-end-fast-tx-cells)*>

<!ELEMENT vdsl-subfunction (#PCDATA)>

<!ELEMENT virtual-circuit-information (dlci-statistics | vpi | vci | vci-range |
trunk | trunk-bandwidth | dlci | ifvc-flags | ifvc-multipoint-destination |
atm-tm-cbr | atm-tm-vbr | atm-tm-rtvbr | peak | sustained | burst | cdvt |
queue-limit | down-time | last-down-time | ifvc-epd | ifvc-epd-plp0 | ifvc-epd-plp1
| ifvc-weight | oam-parameters | oam-statistics | traffic-statistics |
atm-policer-statistics | atm-statistics | atm-cos-information |
in-arp-statistics)*>

<!ELEMENT virtual-path-information (vpi | ifvp-flags | atm-tm-cbr | atm-tm-vbr |
atm-tm-rtvbr | peak | sustained | burst | cdvt | queue-limit | down-time |
last-down-time | oam-parameters | oam-statistics | traffic-statistics)*>

<!ELEMENT vlan-id (#PCDATA)>

<!ELEMENT vpi (#PCDATA)>

<!ELEMENT vrfname (#PCDATA)>

<!ELEMENT vtu-c-country-code (#PCDATA)>

<!ELEMENT vtu-c-vendor-id (#PCDATA)>

<!ELEMENT vtu-c-vendor-specific (#PCDATA)>

<!ELEMENT vtu-r-country-code (#PCDATA)>

```

```
<!ELEMENT vtu-r-vendor-id (#PCDATA)>

<!ELEMENT vtu-r-vendor-specific (#PCDATA)>

<!ELEMENT watch-list (watch-route)*>
<!--ATTLIST watch-list junos:style CDATA #IMPLIED-->

<!ELEMENT watch-route (#PCDATA)>

<!ELEMENT watchlist EMPTY>

<!ELEMENT wavelength (#PCDATA)>

<!ELEMENT wavelength-unlocked-alarm (#PCDATA)>

<!ELEMENT wrp (#PCDATA)>

<!ELEMENT x21-control-signal (rts | cts)*>

<!ELEMENT x21-signal-polarity (rts-polarity | cts-polarity)*>

<!ELEMENT xmt-lip-addlink (#PCDATA)>

<!ELEMENT xmt-lip-hello (#PCDATA)>

<!ELEMENT xmt-lip-hello-ack (#PCDATA)>

<!ELEMENT xmt-lip-link-ack (#PCDATA)>

<!ELEMENT xmt-lip-link-rej (#PCDATA)>

<!ELEMENT xmt-lip-link-rem (#PCDATA)>

<!ELEMENT xmt-lip-rem-ack (#PCDATA)>

<!ELEMENT yellow-differential-delay (#PCDATA)>
```



## CHAPTER 48

# DTD for IPsec Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-ipsec.dtd`, which lists the Junos XML tags that contain information about IPsec. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-ipsec.dtd -->

<!ELEMENT active-entries (#PCDATA)>

<!ELEMENT ah-authentication-failures (#PCDATA)>

<!ELEMENT ah-input-bytes (#PCDATA)>

<!ELEMENT ah-input-packets (#PCDATA)>

<!ELEMENT ah-output-bytes (#PCDATA)>

<!ELEMENT ah-output-packets (#PCDATA)>

<!ELEMENT ah-statistics (ah-input-bytes | ah-output-bytes | ah-input-packets |
ah-output-packets)*>

<!ELEMENT alternate-subject (#PCDATA)>

<!ELEMENT alternate-subject-list (alternate-subject)*>

<!ELEMENT authorization-status (#PCDATA)>

<!ELEMENT auto-re-enrollment (auto-re-enrollment-status |
auto-re-enrollment-next-trigger-time)*>

<!ELEMENT auto-re-enrollment-next-trigger-time (#PCDATA)>

<!ELEMENT auto-re-enrollment-status (#PCDATA)>

<!ELEMENT bad-headers (#PCDATA)>

<!ELEMENT bad-trailers (#PCDATA)>

<!ELEMENT ca-certificate-enroll (ca-subject | fingerprint)*>

<!ELEMENT ca-certificate-enroll-list (ca-certificate-enroll-msg |
```

```
ca-certificate-enroll)*>
<!ELEMENT ca-certificate-enroll-msg (#PCDATA)>
<!ELEMENT ca-file (#PCDATA)>
<!ELEMENT ca-name (#PCDATA)>
<!ELEMENT ca-profile-name (#PCDATA)>
<!ELEMENT ca-subject (#PCDATA)>
<!ELEMENT cert-after (#PCDATA)>
<!ELEMENT cert-before (#PCDATA)>
<!ELEMENT cert-ca-load-status (cert-ca-profile)*>
<!ELEMENT cert-ca-manual-load (fingerprint)*>
<!ELEMENT cert-ca-profile (#PCDATA)>
<!ELEMENT cert-certificate-id (#PCDATA)>
<!ELEMENT cert-cr1 (#PCDATA)>
<!ELEMENT cert-flag-info (cert-flag-trust | cert-flag-root)*>
<!ELEMENT cert-flag-root (#PCDATA)>
<!ELEMENT cert-flag-trust (#PCDATA)>
<!ELEMENT cert-id (#PCDATA)>
<!ELEMENT cert-issuer (#PCDATA)>
<!ELEMENT cert-key-pair (cert-key-pair-name | cert-key-pair-size)*>
<!ELEMENT cert-key-pair-name (#PCDATA)>
<!ELEMENT cert-key-pair-size (#PCDATA)>
<!ELEMENT cert-load-status (cert-certificate-id)*>
<!ELEMENT cert-references (#PCDATA)>
<!ELEMENT cert-request-dump (cert-request-dump-msg | cert-request-dump-file |
fingerprint)*>
<!ELEMENT cert-request-dump-file (cert-request-dump-file-content)*>
<!ELEMENT cert-request-dump-file-content (#PCDATA)>
<!ELEMENT cert-request-dump-msg (#PCDATA)>
<!ELEMENT cert-root (#PCDATA)>
<!ELEMENT cert-serial (#PCDATA)>
<!ELEMENT cert-subject (#PCDATA)>
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<!ELEMENT cert-trust (#PCDATA)>

<!ELEMENT certificate-alternate-subject (#PCDATA)>

<!ELEMENT certificate-cache-entry (#PCDATA)>

<!ELEMENT certificate-dns (#PCDATA)>

<!ELEMENT certificate-information (certificates | total-entries | active-entries
| locked-entries | db-stats)*>
<!ATTLIST certificate-information junos:style CDATA #IMPLIED>

<!ELEMENT certificate-subject (#PCDATA)>

<!ELEMENT certificate-type (#PCDATA)>

<!ELEMENT certificates (cert-subject | cert-serial | cert-id | cert-references |
cert-issuer | cert-trust | cert-root | cert-crl | cert-before | cert-after |
x509)*>

<!ELEMENT common-name (#PCDATA)>

<!ELEMENT country-name (#PCDATA)>

<!ELEMENT crl (cert-issuer | cert-id | cert-references | crl-list)*>

<!ELEMENT crl-information (crl)*>
<!ATTLIST crl-information junos:style CDATA #IMPLIED>

<!ELEMENT crl-issuer (#PCDATA)>

<!ELEMENT crl-issuer-alternate-subject (#PCDATA)>

<!ELEMENT crl-issuer-alternate-subject-list (crl-issuer-alternate-subject)*>

<!ELEMENT crl-issuer-detail (distinguished-name)*>

<!ELEMENT crl-list (serial | revocation-date)*>

<!ELEMENT crl-load-status (ca-profile-name)*>

<!ELEMENT crl-number (#PCDATA)>

<!ELEMENT crl-revocation-date (#PCDATA)>

<!ELEMENT crl-revocation-list (revoked-cert-serial-number | crl-revocation-date)*>

<!ELEMENT crl-validity (effective-date | next-update)*>

<!ELEMENT crl-version (#PCDATA)>

<!ELEMENT db-stats (#PCDATA)>

<!ELEMENT distinguished-name (organization-name | organizational-unit-name |
country-name | state-or-province-name | locality-name | common-name | email-address
| domain-component)*>

<!ELEMENT distribution-crl (#PCDATA)>

<!ELEMENT distribution-crl-list (distribution-crl)*>

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<!ELEMENT domain-component (#PCDATA)>

<!ELEMENT effective-date (#PCDATA)>

<!ELEMENT email-address (#PCDATA)>

<!ELEMENT encoding (#PCDATA)>

<!ELEMENT error-statistics (ah-authentication-failures | replay-errors |
esp-authentication-failures | esp-decryption-failures | replay-pkts |
replay-before-window-drops | bad-headers | bad-trailers | flow-errors |
no-sa-errors | ip-integrity-errors | exceeds-tunnel-mtu | rule-lookup-fail |
misc-errors)*>

<!ELEMENT esp-authentication-failures (#PCDATA)>

<!ELEMENT esp-decrypted-bytes (#PCDATA)>

<!ELEMENT esp-decrypted-packets (#PCDATA)>

<!ELEMENT esp-decryption-failures (#PCDATA)>

<!ELEMENT esp-encrypted-bytes (#PCDATA)>

<!ELEMENT esp-encrypted-packets (#PCDATA)>

<!ELEMENT esp-statistics (esp-encrypted-bytes | esp-decrypted-bytes |
esp-encrypted-packets | esp-decrypted-packets)*>

<!ELEMENT exceeds-tunnel-mtu (#PCDATA)>

<!ELEMENT fingerprint (fingerprint-hash-algorithm | fingerprint-content)*>

<!ELEMENT fingerprint-content (#PCDATA)>

<!ELEMENT fingerprint-hash-algorithm (#PCDATA)>

<!ELEMENT fips-pic-status (fpc-slot | pic-slot | serial-number |
authorization-status)*>

<!ELEMENT fips-pic-status-information (fips-pic-status)*>

<!ELEMENT flow-errors (#PCDATA)>

<!ELEMENT fpc-slot (#PCDATA)>

<!ELEMENT identifier (#PCDATA)>

<!ELEMENT ike-sa-algorithms (ike-sa-authentication-algorithm |
ike-sa-encryption-algorithm | ike-sa-prf-algorithm | ike-sa-dhgroup)*>

<!ELEMENT ike-sa-authentication-algorithm (#PCDATA)>

<!ELEMENT ike-sa-authentication-method (#PCDATA)>

<!ELEMENT ike-sa-dhgroup (#PCDATA)>

<!ELEMENT ike-sa-encryption-algorithm (#PCDATA)>

<!ELEMENT ike-sa-exchange-type (#PCDATA)>
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<!ELEMENT ike-sa-flags (#PCDATA)>

<!ELEMENT ike-sa-initiator-cookie (#PCDATA)>

<!ELEMENT ike-sa-input-bytes (#PCDATA)>

<!ELEMENT ike-sa-input-packets (#PCDATA)>

<!ELEMENT ike-sa-lifetime (#PCDATA)>

<!ELEMENT ike-sa-local-address (#PCDATA)>

<!ELEMENT ike-sa-local-id (#PCDATA)>

<!ELEMENT ike-sa-local-port (#PCDATA)>

<!ELEMENT ike-sa-misc (ike-sa-flags | ike-sa-num-ipsec-sas-created |
ike-sa-num-ipsec-sas-deleted | ike-sa-num-phase2-negotiations)*>

<!ELEMENT ike-sa-msg-id (#PCDATA)>

<!ELEMENT ike-sa-num-ipsec-sas-created (#PCDATA)>

<!ELEMENT ike-sa-num-ipsec-sas-deleted (#PCDATA)>

<!ELEMENT ike-sa-num-phase2-negotiations (#PCDATA)>

<!ELEMENT ike-sa-output-bytes (#PCDATA)>

<!ELEMENT ike-sa-output-packets (#PCDATA)>

<!ELEMENT ike-sa-phase2-information (ike-sa-phase2-type | ike-sa-role |
ike-sa-msg-id | ike-sa-local-address | ike-sa-local-port | ike-sa-remote-address
| ike-sa-remote-port | ike-sa-local-id | ike-sa-remote-id | ike-sa-flags)*>

<!ELEMENT ike-sa-phase2-type (#PCDATA)>

<!ELEMENT ike-sa-prf-algorithm (#PCDATA)>

<!ELEMENT ike-sa-remote-address (#PCDATA)>

<!ELEMENT ike-sa-remote-id (#PCDATA)>

<!ELEMENT ike-sa-remote-port (#PCDATA)>

<!ELEMENT ike-sa-responder-cookie (#PCDATA)>

<!ELEMENT ike-sa-role (#PCDATA)>

<!ELEMENT ike-sa-state (#PCDATA)>

<!ELEMENT ike-sa-traffic-statistics (ike-sa-input-packets | ike-sa-output-packets
| ike-sa-input-bytes | ike-sa-output-bytes)*>

<!ELEMENT ike-security-associations (ike-sa-role | ike-sa-state |
ike-sa-initiator-cookie | ike-sa-responder-cookie | ike-sa-exchange-type |
ike-sa-authentication-method | ike-sa-local-address | ike-sa-local-port |
ike-sa-remote-address | ike-sa-remote-port | ike-sa-lifetime | ike-sa-algorithms
| ike-sa-traffic-statistics | ike-sa-misc | ike-sa-phase2-information)*>

<!ELEMENT ike-security-associations-block (ike-sa-remote-address |

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ike-security-associations)*>

<!ELEMENT ike-security-associations-information (ike-security-associations |
ike-sa-phase2-information | ike-security-associations-block)*>
<!ATTLIST ike-security-associations-information junos:style CDATA #IMPLIED>

<!ELEMENT ip-integrity-errors (#PCDATA)>

<!ELEMENT ipsec-pic-redundancy (ipsec-redundancy-counter |
ipsec-redundancy-pic-no-information | ipsec-pic-redundancy-primary-interface |
ipsec-pic-redundancy-backup-interface | ipsec-redundancy-primary-state |
ipsec-redundancy-backup-state)*>

<!ELEMENT ipsec-pic-redundancy-backup-interface (#PCDATA)>

<!ELEMENT ipsec-pic-redundancy-information (ipsec-pic-redundancy)*>

<!ELEMENT ipsec-pic-redundancy-primary-interface (#PCDATA)>

<!ELEMENT ipsec-redundancy-backup-state (#PCDATA)>

<!ELEMENT ipsec-redundancy-counter (#PCDATA)>

<!ELEMENT ipsec-redundancy-pic-no-information EMPTY>

<!ELEMENT ipsec-redundancy-primary-state (#PCDATA)>

<!ELEMENT ipsec-redundancy-tunnel-no-information EMPTY>

<!ELEMENT ipsec-service-set-statistics (pic-name | service-set-name |
ipsec-statistics)*>

<!ELEMENT ipsec-statistics (local-gateway | remote-gateway | tunnel-index |
esp-statistics | ah-statistics | error-statistics | statistics-no-information)*>

<!ELEMENT ipsec-total-statistics (ipsec-service-set-statistics)*>

<!ELEMENT ipsec-total-statistics-information (ipsec-service-set-statistics)*>
<!ATTLIST ipsec-total-statistics-information junos:style CDATA #IMPLIED>

<!ELEMENT ipsec-tunnel-redundancy (sa-name | ipsec-redundancy-counter |
ipsec-redundancy-tunnel-no-information | ipsec-tunnel-redundancy-local-address |
ipsec-tunnel-redundancy-primary-remote-address |
ipsec-tunnel-redundancy-backup-remote-address | ipsec-redundancy-primary-state |
ipsec-redundancy-backup-state)*>

<!ELEMENT ipsec-tunnel-redundancy-backup-remote-address (#PCDATA)>

<!ELEMENT ipsec-tunnel-redundancy-information (ipsec-tunnel-redundancy)*>

<!ELEMENT ipsec-tunnel-redundancy-local-address (#PCDATA)>

<!ELEMENT ipsec-tunnel-redundancy-primary-remote-address (#PCDATA)>

<!ELEMENT issue-info (recipient | issued-by)*>

<!ELEMENT issued-by (#PCDATA)>

<!ELEMENT issuer (distinguished-name)*>

<!ELEMENT key (#PCDATA)>
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<!ELEMENT key-contents (#PCDATA)>

<!ELEMENT key-usage (#PCDATA)>

<!ELEMENT key-usage-list (key-usage)*>

<!ELEMENT kmd-memory-usage (memory-block-type | memory-in-use)*>

<!ELEMENT kmd-memory-usage-information (kmd-memory-usage)*>
<!ATTLIST kmd-memory-usage-information junos:style CDATA #IMPLIED>

<!ELEMENT local-gateway (#PCDATA)>

<!ELEMENT locality-name (#PCDATA)>

<!ELEMENT locked-entries (#PCDATA)>

<!ELEMENT memory-block-type (#PCDATA)>

<!ELEMENT memory-in-use (#PCDATA)>

<!ELEMENT message (#PCDATA)>

<!ELEMENT misc-errors (#PCDATA)>

<!ELEMENT next-update (#PCDATA)>

<!ELEMENT no-sa-errors (#PCDATA)>

<!ELEMENT not-after (#PCDATA)>

<!ELEMENT not-before (#PCDATA)>

<!ELEMENT organization-name (#PCDATA)>

<!ELEMENT organizational-unit-name (#PCDATA)>

<!ELEMENT outside-service-interface-routing-instance (#PCDATA)>

<!ELEMENT pic-name (#PCDATA)>

<!ELEMENT pic-slot (#PCDATA)>

<!ELEMENT pki-scep (url | ca-name | ca-file | key | certificate-subject |
certificate-dns | certificate-alternate-subject | encoding | message)*>

<!ELEMENT public-key (public-key-algorithm | public-key-length |
public-key-verification-status)*>

<!ELEMENT public-key-algorithm (#PCDATA)>

<!ELEMENT public-key-contents-list (key-contents)*>

<!ELEMENT public-key-length (#PCDATA)>

<!ELEMENT public-key-verification-status (#PCDATA)>

<!ELEMENT recipient (#PCDATA)>

<!ELEMENT remote-gateway (#PCDATA)>
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<!ELEMENT replay-before-window-drops (#PCDATA)>

<!ELEMENT replay-errors (#PCDATA)>

<!ELEMENT replay-pkts (#PCDATA)>

<!ELEMENT revocation-date (#PCDATA)>

<!ELEMENT revoked-cert-serial-number (#PCDATA)>

<!ELEMENT rule-lookup-fail (#PCDATA)>

<!ELEMENT sa-anti-replay-service (#PCDATA)>

<!ELEMENT sa-authentication-algorithm (#PCDATA)>

<!ELEMENT sa-aux-spi (#PCDATA)>

<!ELEMENT sa-block-state (#PCDATA)>

<!ELEMENT sa-direction (#PCDATA)>

<!ELEMENT sa-encryption-algorithm (#PCDATA)>

<!ELEMENT sa-hard-lifetime (#PCDATA)>

<!ELEMENT sa-inside-interface (#PCDATA)>

<!ELEMENT sa-local-gateway (#PCDATA)>

<!ELEMENT sa-local-identity (#PCDATA)>

<!ELEMENT sa-mode (#PCDATA)>

<!ELEMENT sa-name (#PCDATA)>

<!ELEMENT sa-no-information EMPTY>

<!ELEMENT sa-protocol (#PCDATA)>

<!ELEMENT sa-remote-gateway (#PCDATA)>

<!ELEMENT sa-remote-identity (#PCDATA)>

<!ELEMENT sa-replay-window-size (#PCDATA)>

<!ELEMENT sa-rule-name (#PCDATA)>

<!ELEMENT sa-soft-lifetime (#PCDATA)>

<!ELEMENT sa-spi (#PCDATA)>

<!ELEMENT sa-state (#PCDATA)>

<!ELEMENT sa-term-name (#PCDATA)>

<!ELEMENT sa-tunnel-index (#PCDATA)>

<!ELEMENT sa-tunnel-information (sa-rule-name | sa-term-name | sa-tunnel-index |
sa-local-gateway | sa-remote-gateway | sa-local-identity | sa-remote-identity |
```



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    sa-inside-interface | sa-tunnel-mtu | sa-no-information)*>

<!ELEMENT sa-tunnel-mtu (#PCDATA)>

<!ELEMENT sa-type (#PCDATA)>

<!ELEMENT security-associations (sa-direction | sa-spi | sa-aux-spi | sa-state |
    sa-mode | sa-type | sa-protocol | sa-authentication-algorithm |
    sa-encryption-algorithm | sa-soft-lifetime | sa-hard-lifetime |
    sa-anti-replay-service | sa-replay-window-size)*>

<!ELEMENT security-associations-block (sa-name | sa-block-state |
    sa-tunnel-information | security-associations)*>

<!ELEMENT security-associations-information (security-associations-block |
    sa-tunnel-information | security-associations)*>
<!ATTLIST security-associations-information junos:style CDATA #IMPLIED>

<!ELEMENT serial (#PCDATA)>

<!ELEMENT serial-number (#PCDATA)>

<!ELEMENT serial-number-list (serial-number-x509)*>

<!ELEMENT serial-number-x509 (#PCDATA)>

<!ELEMENT service-set-info (service-set-name | total-cert-entries)*>

<!ELEMENT service-set-name (#PCDATA)>

<!ELEMENT services-security-associations-block (svc-set-name |
    outside-service-interface-routing-instance | sa-tunnel-information |
    security-associations | tunnel-redundancy-extensive)*>

<!ELEMENT services-security-associations-information
    (services-security-associations-block | sa-tunnel-information |
    security-associations | tunnel-redundancy-extensive)*>
<!ATTLIST services-security-associations-information junos:style CDATA #IMPLIED>

<!ELEMENT signature-algorithm (#PCDATA)>

<!ELEMENT state-or-province-name (#PCDATA)>

<!ELEMENT statistics-no-information EMPTY>

<!ELEMENT status (#PCDATA)>

<!ELEMENT subject (distinguished-name)*>

<!ELEMENT svc-set-name (#PCDATA)>

<!ELEMENT total-cert-entries (#PCDATA)>

<!ELEMENT total-entries (#PCDATA)>

<!ELEMENT tunnel-index (#PCDATA)>

<!ELEMENT tunnel-redundancy-extensive (ipsec-redundancy-counter |
    ipsec-redundancy-tunnel-no-information |
    ipsec-tunnel-redundancy-primary-remote-address |
    ipsec-tunnel-redundancy-backup-remote-address | ipsec-redundancy-primary-state |

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    ipsec-redundancy-backup-state)*>

<!ELEMENT url (#PCDATA)>

<!ELEMENT validity (not-before | not-after)*>

<!ELEMENT version (#PCDATA)>

<!ELEMENT x509 (x509-ip | x509-dns | x509-uri | x509-email)*>

<!ELEMENT x509-certificate-cache-info (service-set-info | cert-flag-info |
issue-info | serial-number-list | public-key | fingerprint |
public-key-contents-list | alternate-subject-list | key-usage-list |
distribution-crl-list | signature-algorithm | identifier | validity | version |
certificate-cache-entry)*>
<!ATTLIST x509-certificate-cache-info junos:style CDATA #IMPLIED>

<!ELEMENT x509-certificate-cache-info-list (x509-certificate-cache-info)*>

<!ELEMENT x509-certificate-info (issue-info | serial-number-list | public-key |
fingerprint | public-key-contents-list | alternate-subject-list | key-usage-list
| distribution-crl-list | signature-algorithm | identifier | validity | version
| auto-re-enrollment | certificate-type | status | issuer | subject)*>
<!ATTLIST x509-certificate-info junos:style CDATA #IMPLIED>

<!ELEMENT x509-crl-information (crl-number | crl-revocation-list | crl-validity
| crl-version | crl-issuer | identifier | crl-issuer-alternate-subject-list |
crl-issuer-detail)*>
<!ATTLIST x509-crl-information junos:style CDATA #IMPLIED>

<!ELEMENT x509-dns (#PCDATA)>

<!ELEMENT x509-email (#PCDATA)>

<!ELEMENT x509-ip (#PCDATA)>

<!ELEMENT x509-pki-certificate-info-list (x509-certificate-info)*>

<!ELEMENT x509-pki-crl-information-list (x509-crl-information)*>

<!ELEMENT x509-uri (#PCDATA)>
```

## CHAPTER 49

# DTD for IPv6 Neighbor Discovery Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-ipv6-nd.dtd`, which lists the Junos XML tags that contain information about IPv6 Neighbor Discovery. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-ipv6-nd.dtd -->

<!ELEMENT ipv6-modify-nd (ipv6-modify-nd-entry)*>

<!ELEMENT ipv6-modify-nd-entry (ipv6-nd-neighbor-address |
ipv6-nd-neighbor-l2-address | ipv6-nd-change)*>

<!ELEMENT ipv6-nd-change (#PCDATA)>

<!ELEMENT ipv6-nd-entry (ipv6-nd-neighbor-address | ipv6-nd-neighbor-l2-address
| ipv6-nd-total | ipv6-nd-state | ipv6-nd-expire | ipv6-nd-isrouter |
ipv6-nd-issecure | ipv6-nd-interface-name)*>

<!ELEMENT ipv6-nd-expire (#PCDATA)>

<!ELEMENT ipv6-nd-information (ipv6-nd-entry)*>

<!ELEMENT ipv6-nd-interface-name (#PCDATA)>

<!ELEMENT ipv6-nd-isrouter (#PCDATA)>

<!ELEMENT ipv6-nd-issecure (#PCDATA)>

<!ELEMENT ipv6-nd-neighbor-address (#PCDATA)>

<!ELEMENT ipv6-nd-neighbor-l2-address (#PCDATA)>

<!ELEMENT ipv6-nd-state (#PCDATA)>

<!ELEMENT ipv6-nd-total (#PCDATA)>
```



## CHAPTER 50

# DTD for DDOS Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `dtd\junos-jddosd.dtd`, which lists the Junos XML tags that contain information about {}. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-jddosd.dtd -->

<!ELEMENT ddos-instance-config (policer-bandwidth | policer-bandwidth-scale |
policer-burst | policer-burst-scale | policer-enable | policer-bypass-aggregate)*>
<!ATTLIST ddos-instance-config junos:style CDATA #IMPLIED>

<!ELEMENT ddos-instance-stats (packet-received | packet-dropped |
packet-dropped-protocol | packet-dropped-aggr | packet-dropped-others |
packet-arrival-rate | packet-arrival-rate-max | policer-violation-start-time |
policer-violation-last-time | policer-violation-duration |
policer-violation-count)*>
<!ATTLIST ddos-instance-stats junos:style CDATA #IMPLIED>

<!ELEMENT ddos-parameters-brief (group-name | protocol-name | policer-bandwidth
| policer-burst | policer-priority | policer-bypass-aggregate |
policer-time-recover | policer-enable | policer-fpc-scaled)*>

<!ELEMENT ddos-policer-parameter-scale (policer-slot-name | policer-bandwidth-scale
| policer-burst-scale)*>

<!ELEMENT ddos-protocol (protocol-name | protocol-description |
ddos-protocol-basic-config | ddos-system-stats | ddos-protocol-instance-info)*>

<!ELEMENT ddos-protocol-basic-config (policer-bandwidth | policer-burst |
policer-priority | policer-time-recover | policer-enable |
policer-bypass-aggregate)*>
<!ATTLIST ddos-protocol-basic-config junos:style CDATA #IMPLIED>

<!ELEMENT ddos-protocol-group (protocol-group-name | ddos-protocol)*>

<!ELEMENT ddos-protocol-instance-info (protocol-states-locale |
ddos-instance-config | ddos-instance-stats)*>

<!ELEMENT ddos-protocol-states (protocol-enabled | protocol-violated)*>

<!ELEMENT ddos-protocols-information (total-changed-policers |
num-protocols-in-violation)*>
```

```
<!ATTLIST ddos-protocols-information junos:style CDATA #IMPLIED>

<!--ELEMENT ddos-statistics-brief (group-name | protocol-name | packet-received |
packet-dropped | packet-arrival-rate | policer-violation-count | protocol-states)*-->

<!--ELEMENT ddos-statistics-information (num-protocols-seen-violation |
num-protocols-in-violation | num-total-violations)*-->

<!--ELEMENT ddos-status-information (total-policers | total-violated-policers)*-->

<!--ELEMENT ddos-system-stats (packet-received | packet-dropped | packet-arrival-rate
| packet-arrival-rate-max | policer-violation-start-time |
policer-violation-last-time | policer-violation-duration | policer-violation-count
| fpc-violation-count-current | fpc-violation-count)*-->
<!--ATTLIST ddos-system-stats junos:style CDATA #IMPLIED>

<!--ELEMENT ddos-version (total-groups | total-policers)*-->

<!--ELEMENT ddos-violations-brief (group-name | protocol-name | policer-bandwidth
| packet-arrival-rate | packet-arrival-rate-max | policer-violation-start-time |
protocol-states-locale)*-->

<!--ELEMENT fpc-violation-count (#PCDATA)-->

<!--ELEMENT fpc-violation-count-current (#PCDATA)-->

<!--ELEMENT group-name (#PCDATA)-->

<!--ELEMENT num-protocols-in-violation (#PCDATA)-->

<!--ELEMENT num-protocols-seen-violation (#PCDATA)-->

<!--ELEMENT num-total-violations (#PCDATA)-->

<!--ELEMENT packet-arrival-rate (#PCDATA)-->

<!--ELEMENT packet-arrival-rate-max (#PCDATA)-->

<!--ELEMENT packet-dropped (#PCDATA)-->

<!--ELEMENT packet-dropped-aggr (#PCDATA)-->

<!--ELEMENT packet-dropped-others (#PCDATA)-->

<!--ELEMENT packet-dropped-protocol (#PCDATA)-->

<!--ELEMENT packet-received (#PCDATA)-->

<!--ELEMENT policer-bandwidth (#PCDATA)-->

<!--ELEMENT policer-bandwidth-scale (#PCDATA)-->

<!--ELEMENT policer-burst (#PCDATA)-->

<!--ELEMENT policer-burst-scale (#PCDATA)-->

<!--ELEMENT policer-bypass-aggregate (#PCDATA)-->

<!--ELEMENT policer-enable (#PCDATA)-->

<!--ELEMENT policer-fpc-scaled (#PCDATA)-->
```

```
<!ELEMENT policer-priority (#PCDATA)>

<!ELEMENT policer-slot-name (#PCDATA)>

<!ELEMENT policer-time-recover (#PCDATA)>

<!ELEMENT policer-violation-count (#PCDATA)>

<!ELEMENT policer-violation-duration (#PCDATA)>
<!--ATTLIST policer-violation-duration junos:seconds CDATA #IMPLIED-->

<!ELEMENT policer-violation-last-time (#PCDATA)>
<!--ATTLIST policer-violation-last-time junos:seconds CDATA #IMPLIED-->

<!ELEMENT policer-violation-start-time (#PCDATA)>
<!--ATTLIST policer-violation-start-time junos:seconds CDATA #IMPLIED-->

<!ELEMENT protocol-description (#PCDATA)>

<!ELEMENT protocol-enabled (#PCDATA)>

<!ELEMENT protocol-group-name (#PCDATA)>

<!ELEMENT protocol-name (#PCDATA)>

<!ELEMENT protocol-states (#PCDATA)>

<!ELEMENT protocol-states-locale (#PCDATA)>

<!ELEMENT protocol-violated (#PCDATA)>

<!ELEMENT total-changed-policers (#PCDATA)>

<!ELEMENT total-groups (#PCDATA)>

<!ELEMENT total-policers (#PCDATA)>

<!ELEMENT total-violated-policers (#PCDATA)>
```





## CHAPTER 51

# DTD for Junos OS Diameter Function Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-jdiameterd.dtd`, which lists the Junos XML tags that contain information about Junos diameter function. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-jdiameterd.dtd -->

<!ELEMENT jdiameterd-function-brief (jdiameterd-function-name |
jdiameterd-function-state | jdiameterd-function-upstream-transaction-utilization
| jdiameterd-function-downstream-transaction-utilization |
jdiameterd-function-network-transmission-queue-memory-utilization |
jdiameterd-function-function-transmission-queue-memory-utilization |
jdiameterd-function-routed-dests)*>

<!ELEMENT jdiameterd-function-connection-count (#PCDATA)>

<!ELEMENT jdiameterd-function-data (jdiameterd-function-name |
jdiameterd-function-state | jdiameterd-function-upstream-transaction-utilization
| jdiameterd-function-downstream-transaction-utilization |
jdiameterd-function-network-transmission-queue-memory-utilization |
jdiameterd-function-function-transmission-queue-memory-utilization |
jdiameterd-function-routed-dests |
jdiameterd-function-network-transmission-queue-requests |
jdiameterd-function-expected-answers-from-network |
jdiameterd-function-function-transmission-queue-answers |
jdiameterd-function-upstream-transaction-count |
jdiameterd-function-upstream-transaction-limit |
jdiameterd-function-function-transmission-queue-requests |
jdiameterd-function-expected-answers-from-function |
jdiameterd-function-network-transmission-queue-answers |
jdiameterd-function-downstream-transaction-count |
jdiameterd-function-downstream-transaction-limit |
jdiameterd-function-network-transmission-queue-memory |
jdiameterd-function-network-transmission-queue-memory-limit |
jdiameterd-function-function-transmission-queue-memory |
jdiameterd-function-function-transmission-queue-memory-limit)*>

<!ELEMENT jdiameterd-function-downstream-transaction-count (#PCDATA)>

<!ELEMENT jdiameterd-function-downstream-transaction-limit (#PCDATA)>
```

```
<!ELEMENT jdiameterd-function-downstream-transaction-utilization (#PCDATA)>
<!ELEMENT jdiameterd-function-error (#PCDATA)>
<!ELEMENT jdiameterd-function-expected-answers-from-function (#PCDATA)>
<!ELEMENT jdiameterd-function-expected-answers-from-network (#PCDATA)>
<!ELEMENT jdiameterd-function-function-receive-answer-failures (#PCDATA)>
<!ELEMENT jdiameterd-function-function-receive-answer-failures-total (#PCDATA)>
<!ELEMENT jdiameterd-function-function-receive-message-failures (#PCDATA)>
<!ELEMENT jdiameterd-function-function-receive-message-failures-total (#PCDATA)>
<!ELEMENT jdiameterd-function-function-receive-request-failures (#PCDATA)>
<!ELEMENT jdiameterd-function-function-receive-request-failures-total (#PCDATA)>
<!ELEMENT jdiameterd-function-function-received-answers-forwarded (#PCDATA)>
<!ELEMENT jdiameterd-function-function-received-answers-forwarded-total (#PCDATA)>
<!ELEMENT jdiameterd-function-function-received-answers-over-limit (#PCDATA)>
<!ELEMENT jdiameterd-function-function-received-answers-over-limit-total (#PCDATA)>
<!ELEMENT jdiameterd-function-function-received-messages-forwarded (#PCDATA)>
<!ELEMENT jdiameterd-function-function-received-messages-forwarded-total (#PCDATA)>
<!ELEMENT jdiameterd-function-function-received-messages-over-limit (#PCDATA)>
<!ELEMENT jdiameterd-function-function-received-messages-over-limit-total
(PCDATA)>
<!ELEMENT jdiameterd-function-function-received-requests-forwarded (#PCDATA)>
<!ELEMENT jdiameterd-function-function-received-requests-forwarded-total (#PCDATA)>
<!ELEMENT jdiameterd-function-function-received-requests-over-limit (#PCDATA)>
<!ELEMENT jdiameterd-function-function-received-requests-over-limit-total
(PCDATA)>
<!ELEMENT jdiameterd-function-function-transmission-queue-answers (#PCDATA)>
<!ELEMENT jdiameterd-function-function-transmission-queue-memory (#PCDATA)>
<!ELEMENT jdiameterd-function-function-transmission-queue-memory-limit (#PCDATA)>
<!ELEMENT jdiameterd-function-function-transmission-queue-memory-utilization
(PCDATA)>
<!ELEMENT jdiameterd-function-function-transmission-queue-requests (#PCDATA)>
<!ELEMENT jdiameterd-function-information (jdiameterd-function-list |
jdiameterd-function-brief | jdiameterd-function-data |
jdiameterd-function-not-found | jdiameterd-function-error)*>
```

```

<!ATTLIST jdiameterd-function-information junos:style CDATA #IMPLIED>

<!ELEMENT jdiameterd-function-list (jdiameterd-function-name |
jdiameterd-function-state | jdiameterd-function-upstream-transaction-utilization
| jdiameterd-function-downstream-transaction-utilization |
jdiameterd-function-network-transmission-queue-memory-utilization |
jdiameterd-function-function-transmission-queue-memory-utilization |
jdiameterd-function-routed-dests)*>

<!ELEMENT jdiameterd-function-name (#PCDATA)>

<!ELEMENT jdiameterd-function-network-received-answer-deliveries (#PCDATA)>

<!ELEMENT jdiameterd-function-network-received-answer-deliveries-total (#PCDATA)>

<!ELEMENT jdiameterd-function-network-received-answer-delivery-fails (#PCDATA)>

<!ELEMENT jdiameterd-function-network-received-answer-delivery-fails-total
(#PCDATA)>

<!ELEMENT jdiameterd-function-network-received-answers-over-limit (#PCDATA)>

<!ELEMENT jdiameterd-function-network-received-answers-over-limit-total (#PCDATA)>

<!ELEMENT jdiameterd-function-network-received-message-deliveries (#PCDATA)>

<!ELEMENT jdiameterd-function-network-received-message-deliveries-total (#PCDATA)>

<!ELEMENT jdiameterd-function-network-received-message-delivery-fails (#PCDATA)>

<!ELEMENT jdiameterd-function-network-received-message-delivery-fails-total
(#PCDATA)>

<!ELEMENT jdiameterd-function-network-received-messages-over-limit (#PCDATA)>

<!ELEMENT jdiameterd-function-network-received-messages-over-limit-total (#PCDATA)>

<!ELEMENT jdiameterd-function-network-received-requests-deliveries (#PCDATA)>

<!ELEMENT jdiameterd-function-network-received-requests-deliveries-total (#PCDATA)>

<!ELEMENT jdiameterd-function-network-received-requests-delivery-fails (#PCDATA)>

<!ELEMENT jdiameterd-function-network-received-requests-delivery-fails-total
(#PCDATA)>

<!ELEMENT jdiameterd-function-network-received-requests-over-limit (#PCDATA)>

<!ELEMENT jdiameterd-function-network-received-requests-over-limit-total (#PCDATA)>

<!ELEMENT jdiameterd-function-network-transmission-queue-answers (#PCDATA)>

<!ELEMENT jdiameterd-function-network-transmission-queue-memory (#PCDATA)>

<!ELEMENT jdiameterd-function-network-transmission-queue-memory-limit (#PCDATA)>

<!ELEMENT jdiameterd-function-network-transmission-queue-memory-utilization
(#PCDATA)>

<!ELEMENT jdiameterd-function-network-transmission-queue-requests (#PCDATA)>

```

```
<!ELEMENT jdiameterd-function-not-found (#PCDATA)>

<!ELEMENT jdiameterd-function-routed-dests (#PCDATA)>

<!ELEMENT jdiameterd-function-state (#PCDATA)>

<!ELEMENT jdiameterd-function-statistics-brief (jdiameterd-function-name |
jdiameterd-function-connection-count |
jdiameterd-function-network-received-requests-deliveries |
jdiameterd-function-network-received-requests-deliveries-total |
jdiameterd-function-network-received-answer-deliveries |
jdiameterd-function-network-received-answer-deliveries-total |
jdiameterd-function-network-received-message-deliveries |
jdiameterd-function-network-received-message-deliveries-total |
jdiameterd-function-function-received-requests-forwarded |
jdiameterd-function-function-received-requests-forwarded-total |
jdiameterd-function-function-received-answers-forwarded |
jdiameterd-function-function-received-answers-forwarded-total |
jdiameterd-function-function-received-messages-forwarded |
jdiameterd-function-function-received-messages-forwarded-total)*>

<!ELEMENT jdiameterd-function-statistics-data (jdiameterd-function-name |
jdiameterd-function-connection-count |
jdiameterd-function-network-received-requests-deliveries |
jdiameterd-function-network-received-requests-deliveries-total |
jdiameterd-function-network-received-answer-deliveries |
jdiameterd-function-network-received-answer-deliveries-total |
jdiameterd-function-network-received-message-deliveries |
jdiameterd-function-network-received-message-deliveries-total |
jdiameterd-function-function-received-requests-forwarded |
jdiameterd-function-function-received-requests-forwarded-total |
jdiameterd-function-function-received-answers-forwarded |
jdiameterd-function-function-received-answers-forwarded-total |
jdiameterd-function-function-received-messages-forwarded |
jdiameterd-function-function-received-messages-forwarded-total |
jdiameterd-function-network-received-requests-over-limit |
jdiameterd-function-network-received-requests-over-limit-total |
jdiameterd-function-network-received-answers-over-limit |
jdiameterd-function-network-received-answers-over-limit-total |
jdiameterd-function-network-received-messages-over-limit |
jdiameterd-function-network-received-messages-over-limit-total |
jdiameterd-function-network-received-requests-delivery-fails |
jdiameterd-function-network-received-requests-delivery-fails-total |
jdiameterd-function-network-received-answer-delivery-fails |
jdiameterd-function-network-received-answer-delivery-fails-total |
jdiameterd-function-network-received-message-delivery-fails |
jdiameterd-function-network-received-message-delivery-fails-total |
jdiameterd-function-function-received-requests-over-limit |
jdiameterd-function-function-received-requests-over-limit-total |
jdiameterd-function-function-received-answers-over-limit |
jdiameterd-function-function-received-answers-over-limit-total |
jdiameterd-function-function-received-messages-over-limit |
jdiameterd-function-function-received-messages-over-limit-total |
jdiameterd-function-function-receive-request-failures |
jdiameterd-function-function-receive-request-failures-total |
jdiameterd-function-function-receive-answer-failures |
jdiameterd-function-function-receive-answer-failures-total |
jdiameterd-function-function-receive-message-failures |
jdiameterd-function-function-receive-message-failures-total)*>

<!ELEMENT jdiameterd-function-statistics-error (#PCDATA)>
```

```

<!ELEMENT jdiameterd-function-statistics-information
(jdiameterd-function-statistics-list | jdiameterd-function-statistics-brief |
jdiameterd-function-statistics-data | jdiameterd-function-statistics-not-found |
jdiameterd-function-statistics-error)*>
<!ATTLIST jdiameterd-function-statistics-information junos:style CDATA #IMPLIED>

<!ELEMENT jdiameterd-function-statistics-list (jdiameterd-function-name |
jdiameterd-function-network-received-requests-deliveries |
jdiameterd-function-network-received-answer-deliveries |
jdiameterd-function-network-received-message-deliveries |
jdiameterd-function-function-received-requests-forwarded |
jdiameterd-function-function-received-answers-forwarded |
jdiameterd-function-function-received-messages-forwarded)*>

<!ELEMENT jdiameterd-function-statistics-not-found (#PCDATA)>

<!ELEMENT jdiameterd-function-upstream-transaction-count (#PCDATA)>

<!ELEMENT jdiameterd-function-upstream-transaction-limit (#PCDATA)>

<!ELEMENT jdiameterd-function-upstream-transaction-utilization (#PCDATA)>

<!ELEMENT jdiameterd-instance-brief (jdiameterd-instance-name |
jdiameterd-instance-origin-realm | jdiameterd-instance-origin-host |
jdiameterd-instance-total-network-elements |
jdiameterd-instance-connected-network-elements)*>

<!ELEMENT jdiameterd-instance-connected-network-elements (#PCDATA)>

<!ELEMENT jdiameterd-instance-error (#PCDATA)>

<!ELEMENT jdiameterd-instance-information (jdiameterd-instance-list |
jdiameterd-instance-brief | jdiameterd-instance-not-found |
jdiameterd-instance-error)*>
<!ATTLIST jdiameterd-instance-information junos:style CDATA #IMPLIED>

<!ELEMENT jdiameterd-instance-list (jdiameterd-instance-name |
jdiameterd-instance-origin-realm | jdiameterd-instance-origin-host |
jdiameterd-instance-total-network-elements |
jdiameterd-instance-connected-network-elements)*>

<!ELEMENT jdiameterd-instance-name (#PCDATA)>

<!ELEMENT jdiameterd-instance-not-found (#PCDATA)>

<!ELEMENT jdiameterd-instance-origin-host (#PCDATA)>

<!ELEMENT jdiameterd-instance-origin-realm (#PCDATA)>

<!ELEMENT jdiameterd-instance-total-network-elements (#PCDATA)>

<!ELEMENT jdiameterd-network-element-activated-peers (#PCDATA)>

<!ELEMENT jdiameterd-network-element-brief (jdiameterd-network-element-name |
jdiameterd-network-element-instance-name | jdiameterd-network-element-state |
jdiameterd-network-element-primary-peer |
jdiameterd-network-element-secondary-peer)*>

<!ELEMENT jdiameterd-network-element-data (jdiameterd-network-element-name |
jdiameterd-network-element-instance-name | jdiameterd-network-element-state |

```

```
jdiameterd-network-element-primary-peer | jdiameterd-network-element-secondary-peer
| jdiameterd-network-element-total-peers |
jdiameterd-network-element-activated-peers | jdiameterd-network-element-open-peers
| jdiameterd-network-element-total-routes |
jdiameterd-network-element-invalid-routes |
jdiameterd-network-element-peer-activation-delay |
jdiameterd-network-element-first-selection-delay |
jdiameterd-network-element-post-selection-delay)*>

<!ELEMENT jdiameterd-network-element-error (#PCDATA)>

<!ELEMENT jdiameterd-network-element-first-selection-delay (#PCDATA)>

<!ELEMENT jdiameterd-network-element-information (jdiameterd-network-element-list
| jdiameterd-network-element-brief | jdiameterd-network-element-data |
jdiameterd-network-element-not-found | jdiameterd-network-element-error)*>
<!-- ATTLIST jdiameterd-network-element-information junos:style CDATA #IMPLIED -->

<!ELEMENT jdiameterd-network-element-instance-name (#PCDATA)>

<!ELEMENT jdiameterd-network-element-invalid-routes (#PCDATA)>

<!-- ELEMENT jdiameterd-network-element-list (jdiameterd-network-element-name |
jdiameterd-network-element-instance-name | jdiameterd-network-element-state |
jdiameterd-network-element-primary-peer |
jdiameterd-network-element-secondary-peer)* -->

<!-- ELEMENT jdiameterd-network-element-map-data (jdiameterd-network-element-name |
jdiameterd-network-element-instance-name | jdiameterd-network-element-peer-name
| jdiameterd-network-element-peer-priority |
jdiameterd-network-element-peer-usage)* -->

<!ELEMENT jdiameterd-network-element-map-error (#PCDATA)>

<!-- ELEMENT jdiameterd-network-element-map-information
(jdiameterd-network-element-map-list | jdiameterd-network-element-map-data |
jdiameterd-network-element-map-not-found | jdiameterd-network-element-map-error)* -->
<!-- ATTLIST jdiameterd-network-element-map-information junos:style CDATA #IMPLIED -->

<!-- ELEMENT jdiameterd-network-element-map-list (jdiameterd-network-element-name |
jdiameterd-network-element-instance-name | jdiameterd-network-element-peer-name
| jdiameterd-network-element-peer-priority |
jdiameterd-network-element-peer-usage)* -->

<!ELEMENT jdiameterd-network-element-map-not-found (#PCDATA)>

<!ELEMENT jdiameterd-network-element-name (#PCDATA)>

<!-- ELEMENT jdiameterd-network-element-not-found (#PCDATA) -->

<!-- ELEMENT jdiameterd-network-element-open-peers (#PCDATA) -->

<!-- ELEMENT jdiameterd-network-element-peer-activation-delay (#PCDATA) -->

<!-- ELEMENT jdiameterd-network-element-peer-name (#PCDATA) -->

<!-- ELEMENT jdiameterd-network-element-peer-priority (#PCDATA) -->

<!-- ELEMENT jdiameterd-network-element-peer-usage (#PCDATA) -->

<!-- ELEMENT jdiameterd-network-element-post-selection-delay (#PCDATA) -->
```

```

<!ELEMENT jddiameterd-network-element-primary-peer (#PCDATA)>
<!ELEMENT jddiameterd-network-element-secondary-peer (#PCDATA)>
<!ELEMENT jddiameterd-network-element-state (#PCDATA)>
<!ELEMENT jddiameterd-network-element-total-peers (#PCDATA)>
<!ELEMENT jddiameterd-network-element-total-routes (#PCDATA)>
<!ELEMENT jddiameterd-node-activated-peers (#PCDATA)>
<!ELEMENT jddiameterd-node-connected-functions (#PCDATA)>
<!ELEMENT jddiameterd-node-connected-network-elements (#PCDATA)>
<!ELEMENT jddiameterd-node-expected-answers-from-function (#PCDATA)>
<!ELEMENT jddiameterd-node-expected-answers-from-network (#PCDATA)>
<!ELEMENT jddiameterd-node-function-transmission-queue-answers (#PCDATA)>
<!ELEMENT jddiameterd-node-function-transmission-queue-memory (#PCDATA)>
<!ELEMENT jddiameterd-node-function-transmission-queue-requests (#PCDATA)>
<!ELEMENT jddiameterd-node-information (jddiameterd-node-summary |
jddiameterd-function-list | jddiameterd-instance-list |
jddiameterd-network-element-list | jddiameterd-peer-list | jddiameterd-route-list)*>
<ATTLIST jddiameterd-node-information junos:style CDATA #IMPLIED>
<!ELEMENT jddiameterd-node-instances (#PCDATA)>
<!ELEMENT jddiameterd-node-network-transmission-queue-answers (#PCDATA)>
<!ELEMENT jddiameterd-node-network-transmission-queue-memory (#PCDATA)>
<!ELEMENT jddiameterd-node-network-transmission-queue-requests (#PCDATA)>
<!ELEMENT jddiameterd-node-open-peers (#PCDATA)>
<!ELEMENT jddiameterd-node-pid (#PCDATA)>
<!ELEMENT jddiameterd-node-summary (jddiameterd-node-pid |
jddiameterd-node-total-functions | jddiameterd-node-connected-functions |
jddiameterd-node-instances | jddiameterd-node-total-network-elements |
jddiameterd-node-connected-network-elements | jddiameterd-node-total-peers |
jddiameterd-node-activated-peers | jddiameterd-node-open-peers |
jddiameterd-node-total-transport |
jddiameterd-node-network-transmission-queue-requests |
jddiameterd-node-network-transmission-queue-answers |
jddiameterd-node-expected-answers-from-network |
jddiameterd-node-function-transmission-queue-requests |
jddiameterd-node-function-transmission-queue-answers |
jddiameterd-node-expected-answers-from-function |
jddiameterd-node-network-transmission-queue-memory |
jddiameterd-node-function-transmission-queue-memory)*>
<!ELEMENT jddiameterd-node-total-functions (#PCDATA)>

```

```
<!ELEMENT jdiameterd-node-total-network-elements (#PCDATA)>

<!ELEMENT jdiameterd-node-total-peers (#PCDATA)>

<!ELEMENT jdiameterd-node-total-transport (#PCDATA)>

<!ELEMENT jdiameterd-peer-activated-count (#PCDATA)>

<!ELEMENT jdiameterd-peer-active-connection-terminations (#PCDATA)>

<!ELEMENT jdiameterd-peer-active-connection-terminations-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-active-disconnects (#PCDATA)>

<!ELEMENT jdiameterd-peer-active-disconnects-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-answer-count (#PCDATA)>

<!ELEMENT jdiameterd-peer-brief (jdiameterd-peer-name | jdiameterd-instance-name
| jdiameterd-peer-state | jdiameterd-peer-network-element-count |
jdiameterd-peer-activated-count | jdiameterd-peer-primary-count |
jdiameterd-peer-secondary-count | jdiameterd-peer-vrf |
jdiameterd-peer-remote-address | jdiameterd-peer-remote-port |
jdiameterd-peer-remote-realm | jdiameterd-peer-remote-host)*>

<!ELEMENT jdiameterd-peer-cea-received (#PCDATA)>

<!ELEMENT jdiameterd-peer-cea-received-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-cea-transmitted (#PCDATA)>

<!ELEMENT jdiameterd-peer-cea-transmitted-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-cer-received (#PCDATA)>

<!ELEMENT jdiameterd-peer-cer-received-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-cer-transmitted (#PCDATA)>

<!ELEMENT jdiameterd-peer-cer-transmitted-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-closed-timeout (#PCDATA)>

<!ELEMENT jdiameterd-peer-connect-timeout (#PCDATA)>

<!ELEMENT jdiameterd-peer-connection-attempts (#PCDATA)>

<!ELEMENT jdiameterd-peer-connection-attempts-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-connection-failures (#PCDATA)>

<!ELEMENT jdiameterd-peer-connection-failures-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-connection-successes (#PCDATA)>

<!ELEMENT jdiameterd-peer-connection-successes-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-data (jdiameterd-peer-name | jdiameterd-instance-name
| jdiameterd-peer-state | jdiameterd-peer-network-element-count |
jdiameterd-peer-activated-count | jdiameterd-peer-primary-count |
jdiameterd-peer-secondary-count | jdiameterd-peer-vrf |
```



```

jdiameterd-peer-remote-address | jdiameterd-peer-remote-port |
jdiameterd-peer-remote-realm | jdiameterd-peer-remote-host |
jdiameterd-peer-local-address | jdiameterd-peer-local-port |
jdiameterd-peer-local-transport | jdiameterd-peer-post-enable-time |
jdiameterd-peer-in-state-time | jdiameterd-peer-in-state-remain-time |
jdiameterd-peer-missed-watch-dogs | jdiameterd-peer-transmission-queue-length |
jdiameterd-peer-answer-count | jdiameterd-peer-post-rx-time |
jdiameterd-peer-post-rx-remain | jdiameterd-peer-op-timeout |
jdiameterd-peer-suspended-timeout | jdiameterd-peer-closed-timeout |
jdiameterd-peer-connect-timeout)*>

```

```
<!ELEMENT jdiameterd-peer-dpa-received (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-dpa-received-total (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-dpa-transmitted (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-dpa-transmitted-total (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-dpr-received (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-dpr-received-total (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-dpr-transmitted (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-dpr-transmitted-total (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-dwa-received (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-dwa-received-total (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-dwa-transmitted (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-dwa-transmitted-total (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-dwr-received (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-dwr-received-total (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-dwr-transmitted (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-dwr-transmitted-total (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-error (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-forwarded-messages (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-forwarded-messages-total (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-forwarding-dropped-messages (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-forwarding-dropped-messages-total (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-forwarding-failures (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-forwarding-failures-total (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-forwarding-moved-in-messages (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-forwarding-moved-in-messages-total (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-forwarding-moved-out-messages (#PCDATA)>

<!ELEMENT jdiameterd-peer-forwarding-moved-out-messages-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-forwarding-rerouted-messages (#PCDATA)>

<!ELEMENT jdiameterd-peer-forwarding-rerouted-messages-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-forwarding-successes (#PCDATA)>

<!ELEMENT jdiameterd-peer-forwarding-successes-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-in-state-remain-time (#PCDATA)>
<!ATTLIST jdiameterd-peer-in-state-remain-time junos:seconds CDATA #IMPLIED>

<!ELEMENT jdiameterd-peer-in-state-time (#PCDATA)>
<!ATTLIST jdiameterd-peer-in-state-time junos:seconds CDATA #IMPLIED>

<!ELEMENT jdiameterd-peer-information (jdiameterd-peer-list | jdiameterd-peer-brief
 | jdiameterd-peer-data | jdiameterd-peer-not-found | jdiameterd-peer-error)*>
<!ATTLIST jdiameterd-peer-information junos:style CDATA #IMPLIED>

<!ELEMENT jdiameterd-peer-instance-name (#PCDATA)>

<!ELEMENT jdiameterd-peer-list (jdiameterd-peer-name |
jdiameterd-peer-instance-name | jdiameterd-peer-state |
jdiameterd-peer-network-element-count | jdiameterd-peer-activated-count |
jdiameterd-peer-primary-count | jdiameterd-peer-secondary-count)*>

<!ELEMENT jdiameterd-peer-local-address (#PCDATA)>

<!ELEMENT jdiameterd-peer-local-port (#PCDATA)>

<!ELEMENT jdiameterd-peer-local-transport (#PCDATA)>

<!ELEMENT jdiameterd-peer-map-data (jdiameterd-peer-name |
jdiameterd-peer-instance-name | jdiameterd-peer-network-element-name |
jdiameterd-peer-network-element-priority | jdiameterd-peer-network-element-usage)*>

<!ELEMENT jdiameterd-peer-map-error (#PCDATA)>

<!ELEMENT jdiameterd-peer-map-information (jdiameterd-peer-map-list |
jdiameterd-peer-map-data | jdiameterd-peer-map-not-found |
jdiameterd-peer-map-error)*>
<!ATTLIST jdiameterd-peer-map-information junos:style CDATA #IMPLIED>

<!ELEMENT jdiameterd-peer-map-list (jdiameterd-peer-name |
jdiameterd-peer-instance-name | jdiameterd-peer-network-element-name |
jdiameterd-peer-network-element-priority | jdiameterd-peer-network-element-usage)*>

<!ELEMENT jdiameterd-peer-map-not-found (#PCDATA)>

<!ELEMENT jdiameterd-peer-messages-forwarded-to-peer (#PCDATA)>

<!ELEMENT jdiameterd-peer-messages-forwarded-to-peer-connection (#PCDATA)>

<!ELEMENT jdiameterd-peer-messages-forwarded-to-peer-connection-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-messages-forwarded-to-peer-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-messages-forwarded-to-routed-destination (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-messages-forwarded-to-routed-destination-total (#PCDATA)>
<!ELEMENT jdiameterd-peer-messages-transmitted-by-self (#PCDATA)>
<!ELEMENT jdiameterd-peer-messages-transmitted-by-self-total (#PCDATA)>
<!ELEMENT jdiameterd-peer-missed-watch-dogs (#PCDATA)>
<!ELEMENT jdiameterd-peer-name (#PCDATA)>
<!ELEMENT jdiameterd-peer-network-element-count (#PCDATA)>
<!ELEMENT jdiameterd-peer-network-element-name (#PCDATA)>
<!ELEMENT jdiameterd-peer-network-element-priority (#PCDATA)>
<!ELEMENT jdiameterd-peer-network-element-usage (#PCDATA)>
<!ELEMENT jdiameterd-peer-not-found (#PCDATA)>
<!ELEMENT jdiameterd-peer-op-timeout (#PCDATA)>
<!ELEMENT jdiameterd-peer-passive-connection-terminations (#PCDATA)>
<!ELEMENT jdiameterd-peer-passive-connection-terminations-total (#PCDATA)>
<!ELEMENT jdiameterd-peer-passive-disconnects (#PCDATA)>
<!ELEMENT jdiameterd-peer-passive-disconnects-total (#PCDATA)>
<!ELEMENT jdiameterd-peer-post-enable-time (#PCDATA)>
<!ATTLIST jdiameterd-peer-post-enable-time junos:seconds CDATA #IMPLIED>
<!ELEMENT jdiameterd-peer-post-rx-remain (#PCDATA)>
<!ELEMENT jdiameterd-peer-post-rx-time (#PCDATA)>
<!ELEMENT jdiameterd-peer-primary-count (#PCDATA)>
<!ELEMENT jdiameterd-peer-receive-answers-dropped (#PCDATA)>
<!ELEMENT jdiameterd-peer-receive-answers-dropped-total (#PCDATA)>
<!ELEMENT jdiameterd-peer-receive-blocking-requests (#PCDATA)>
<!ELEMENT jdiameterd-peer-receive-blocking-requests-total (#PCDATA)>
<!ELEMENT jdiameterd-peer-receive-blocking-timeouts (#PCDATA)>
<!ELEMENT jdiameterd-peer-receive-blocking-timeouts-total (#PCDATA)>
<!ELEMENT jdiameterd-peer-receive-errors (#PCDATA)>
<!ELEMENT jdiameterd-peer-receive-errors-total (#PCDATA)>
<!ELEMENT jdiameterd-peer-receive-messages-delivered-to-node (#PCDATA)>
<!ELEMENT jdiameterd-peer-receive-messages-delivered-to-node-total (#PCDATA)>
<!ELEMENT jdiameterd-peer-receive-messages-dropped (#PCDATA)>
```

```
<!ELEMENT jdiameterd-peer-receive-messages-dropped-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-receive-messages-handled-by-peer (#PCDATA)>

<!ELEMENT jdiameterd-peer-receive-messages-handled-by-peer-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-receive-successes (#PCDATA)>

<!ELEMENT jdiameterd-peer-receive-successes-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-received-answers (#PCDATA)>

<!ELEMENT jdiameterd-peer-received-answers-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-received-requests (#PCDATA)>

<!ELEMENT jdiameterd-peer-received-requests-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-remote-address (#PCDATA)>

<!ELEMENT jdiameterd-peer-remote-host (#PCDATA)>

<!ELEMENT jdiameterd-peer-remote-port (#PCDATA)>

<!ELEMENT jdiameterd-peer-remote-realm (#PCDATA)>

<!ELEMENT jdiameterd-peer-secondary-count (#PCDATA)>

<!ELEMENT jdiameterd-peer-state (#PCDATA)>

<!ELEMENT jdiameterd-peer-statistics-brief (jdiameterd-peer-name |
jdiameterd-peer-instance-name | jdiameterd-peer-receive-errors |
jdiameterd-peer-receive-successes |
jdiameterd-peer-receive-messages-handled-by-peer |
jdiameterd-peer-receive-messages-dropped | jdiameterd-peer-receive-answers-dropped
| jdiameterd-peer-received-answers | jdiameterd-peer-received-requests |
jdiameterd-peer-receive-messages-delivered-to-node |
jdiameterd-peer-receive-errors-total | jdiameterd-peer-receive-successes-total |
jdiameterd-peer-receive-messages-handled-by-peer-total |
jdiameterd-peer-receive-messages-dropped-total |
jdiameterd-peer-receive-answers-dropped-total |
jdiameterd-peer-received-answers-total | jdiameterd-peer-received-requests-total
| jdiameterd-peer-receive-messages-delivered-to-node-total |
jdiameterd-peer-messages-forwarded-to-peer-connection |
jdiameterd-peer-messages-forwarded-to-peer |
jdiameterd-peer-messages-forwarded-to-routed-destination |
jdiameterd-peer-forwarded-messages | jdiameterd-peer-forwarding-failures |
jdiameterd-peer-forwarding-successes | jdiameterd-peer-forwarding-moved-in-messages
| jdiameterd-peer-forwarding-moved-out-messages |
jdiameterd-peer-forwarding-rerouted-messages |
jdiameterd-peer-forwarding-dropped-messages |
jdiameterd-peer-messages-transmitted-by-self | jdiameterd-peer-transmit-errors |
jdiameterd-peer-transmit-successes |
jdiameterd-peer-messages-forwarded-to-peer-connection-total |
jdiameterd-peer-messages-forwarded-to-peer-total |
jdiameterd-peer-messages-forwarded-to-routed-destination-total |
jdiameterd-peer-forwarded-messages-total |
jdiameterd-peer-forwarding-failures-total |
jdiameterd-peer-forwarding-successes-total |
jdiameterd-peer-forwarding-moved-in-messages-total |
```

```

jdiameterd-peer-forwarding-moved-out-messages-total |
jdiameterd-peer-forwarding-rerouted-messages-total |
jdiameterd-peer-forwarding-dropped-messages-total |
jdiameterd-peer-messages-transmitted-by-self-total |
jdiameterd-peer-transmit-errors-total | jdiameterd-peer-transmit-successes-total
| jdiameterd-peer-connection-attempts | jdiameterd-peer-connection-failures |
jdiameterd-peer-connection-successes |
jdiameterd-peer-passive-connection-terminations |
jdiameterd-peer-active-connection-terminations |
jdiameterd-peer-passive-disconnects | jdiameterd-peer-active-disconnects |
jdiameterd-peer-connection-attempts-total |
jdiameterd-peer-connection-failures-total |
jdiameterd-peer-connection-successes-total |
jdiameterd-peer-passive-connection-terminations-total |
jdiameterd-peer-active-connection-terminations-total |
jdiameterd-peer-passive-disconnects-total |
jdiameterd-peer-active-disconnects-total |
jdiameterd-peer-receive-blocking-requests |
jdiameterd-peer-receive-blocking-timeouts |
jdiameterd-peer-receive-blocking-requests-total |
jdiameterd-peer-receive-blocking-timeouts-total)*>

<!ELEMENT jdiameterd-peer-statistics-data (jdiameterd-peer-receive-errors |
jdiameterd-peer-receive-successes |
jdiameterd-peer-receive-messages-handled-by-peer |
jdiameterd-peer-receive-messages-dropped | jdiameterd-peer-receive-answers-dropped
| jdiameterd-peer-received-answers | jdiameterd-peer-received-requests |
jdiameterd-peer-receive-messages-delivered-to-node |
jdiameterd-peer-receive-errors-total | jdiameterd-peer-receive-successes-total |
jdiameterd-peer-receive-messages-handled-by-peer-total |
jdiameterd-peer-receive-messages-dropped-total |
jdiameterd-peer-receive-answers-dropped-total |
jdiameterd-peer-received-answers-total | jdiameterd-peer-received-requests-total
| jdiameterd-peer-receive-messages-delivered-to-node-total |
jdiameterd-peer-messages-forwarded-to-peer-connection |
jdiameterd-peer-messages-forwarded-to-peer |
jdiameterd-peer-messages-forwarded-to-routed-destination |
jdiameterd-peer-forwarded-messages | jdiameterd-peer-forwarding-failures |
jdiameterd-peer-forwarding-successes | jdiameterd-peer-forwarding-moved-in-messages
| jdiameterd-peer-forwarding-moved-out-messages |
jdiameterd-peer-forwarding-rerouted-messages |
jdiameterd-peer-forwarding-dropped-messages |
jdiameterd-peer-messages-transmitted-by-self | jdiameterd-peer-transmit-errors |
jdiameterd-peer-transmit-successes |
jdiameterd-peer-messages-forwarded-to-peer-connection-total |
jdiameterd-peer-messages-forwarded-to-peer-total |
jdiameterd-peer-messages-forwarded-to-routed-destination-total |
jdiameterd-peer-forwarded-messages-total |
jdiameterd-peer-forwarding-failures-total |
jdiameterd-peer-forwarding-successes-total |
jdiameterd-peer-forwarding-moved-in-messages-total |
jdiameterd-peer-forwarding-moved-out-messages-total |
jdiameterd-peer-forwarding-rerouted-messages-total |
jdiameterd-peer-forwarding-dropped-messages-total |
jdiameterd-peer-messages-transmitted-by-self-total |
jdiameterd-peer-transmit-errors-total | jdiameterd-peer-transmit-successes-total
| jdiameterd-peer-connection-attempts | jdiameterd-peer-connection-failures |
jdiameterd-peer-connection-successes |
jdiameterd-peer-passive-connection-terminations |
jdiameterd-peer-active-connection-terminations |
jdiameterd-peer-passive-disconnects | jdiameterd-peer-active-disconnects |

```

```

jdiameterd-peer-connection-attempts-total |
jdiameterd-peer-connection-failures-total |
jdiameterd-peer-connection-successes-total |
jdiameterd-peer-passive-connection-terminations-total |
jdiameterd-peer-active-connection-terminations-total |
jdiameterd-peer-passive-disconnects-total |
jdiameterd-peer-active-disconnects-total |
jdiameterd-peer-receive-blocking-requests |
jdiameterd-peer-receive-blocking-timeouts |
jdiameterd-peer-receive-blocking-requests-total |
jdiameterd-peer-receive-blocking-timeouts-total | jdiameterd-peer-cer-transmitted
| jdiameterd-peer-cer-received | jdiameterd-peer-cea-transmitted |
jdiameterd-peer-cea-received | jdiameterd-peer-dwr-transmitted |
jdiameterd-peer-dwr-received | jdiameterd-peer-dwa-transmitted |
jdiameterd-peer-dwa-received | jdiameterd-peer-dpr-transmitted |
jdiameterd-peer-dpr-received | jdiameterd-peer-dpa-transmitted |
jdiameterd-peer-dpa-received | jdiameterd-peer-cer-transmitted-total |
jdiameterd-peer-cer-received-total | jdiameterd-peer-cea-transmitted-total |
jdiameterd-peer-cea-received-total | jdiameterd-peer-dwr-transmitted-total |
jdiameterd-peer-dwr-received-total | jdiameterd-peer-dwa-transmitted-total |
jdiameterd-peer-dwa-received-total | jdiameterd-peer-dpr-transmitted-total |
jdiameterd-peer-dpr-received-total | jdiameterd-peer-dpa-transmitted-total |
jdiameterd-peer-dpa-received-total)*>

<!ELEMENT jdiameterd-peer-statistics-error (#PCDATA)>

<!ELEMENT jdiameterd-peer-statistics-information (jdiameterd-peer-statistics-list
| jdiameterd-peer-statistics-brief | jdiameterd-peer-statistics-data |
jdiameterd-peer-statistics-not-found | jdiameterd-peer-statistics-error)*>
<!ATTLIST jdiameterd-peer-statistics-information junos:style CDATA #IMPLIED>

<!ELEMENT jdiameterd-peer-statistics-list (jdiameterd-peer-name |
jdiameterd-peer-instance-name | jdiameterd-peer-receive-successes |
jdiameterd-peer-receive-messages-handled-by-peer |
jdiameterd-peer-receive-messages-delivered-to-node |
jdiameterd-peer-forwarding-successes | jdiameterd-peer-messages-transmitted-by-self
| jdiameterd-peer-transmit-successes)*>

<!ELEMENT jdiameterd-peer-statistics-not-found (#PCDATA)>

<!ELEMENT jdiameterd-peer-suspended-timeout (#PCDATA)>

<!ELEMENT jdiameterd-peer-transmission-queue-length (#PCDATA)>

<!ELEMENT jdiameterd-peer-transmit-errors (#PCDATA)>

<!ELEMENT jdiameterd-peer-transmit-errors-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-transmit-successes (#PCDATA)>

<!ELEMENT jdiameterd-peer-transmit-successes-total (#PCDATA)>

<!ELEMENT jdiameterd-peer-vrf (#PCDATA)>

<!ELEMENT jdiameterd-route-brief (jdiameterd-route-name |
jdiameterd-route-network-element-name | jdiameterd-route-instance-name |
jdiameterd-route-valid | jdiameterd-route-up)*>

<!ELEMENT jdiameterd-route-data (jdiameterd-route-name |
jdiameterd-route-network-element-name | jdiameterd-route-instance-name |
jdiameterd-route-valid | jdiameterd-route-up | jdiameterd-route-function |

```

```
jdiameterd-route-function-part | jdiameterd-route-dest-realm |
jdiameterd-route-dest-host | jdiameterd-route-metric | jdiameterd-route-score)*>

<!ELEMENT jdiameterd-route-dest-host (#PCDATA)>

<!ELEMENT jdiameterd-route-dest-realm (#PCDATA)>

<!ELEMENT jdiameterd-route-error (#PCDATA)>

<!ELEMENT jdiameterd-route-function (#PCDATA)>

<!ELEMENT jdiameterd-route-function-part (#PCDATA)>

<!ELEMENT jdiameterd-route-information (jdiameterd-route-list |
jdiameterd-route-brief | jdiameterd-route-data | jdiameterd-route-not-found |
jdiameterd-route-error)*>
<!ATTLIST jdiameterd-route-information junos:style CDATA #IMPLIED>

<!ELEMENT jdiameterd-route-instance-name (#PCDATA)>

<!ELEMENT jdiameterd-route-list (jdiameterd-route-name |
jdiameterd-route-network-element-name | jdiameterd-route-instance-name |
jdiameterd-route-valid | jdiameterd-route-up)*>

<!ELEMENT jdiameterd-route-metric (#PCDATA)>

<!ELEMENT jdiameterd-route-name (#PCDATA)>

<!ELEMENT jdiameterd-route-network-element-name (#PCDATA)>

<!ELEMENT jdiameterd-route-not-found (#PCDATA)>

<!ELEMENT jdiameterd-route-score (#PCDATA)>

<!ELEMENT jdiameterd-route-up (#PCDATA)>

<!ELEMENT jdiameterd-route-valid (#PCDATA)>
```





## CHAPTER 52

# DTD for JNX Example Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-jnx-example.dtd`, which lists the Junos XML tags that contain information about JNX example. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-jnx-example.dtd -->

<!ELEMENT cpu-usage (#PCDATA)>

<!ELEMENT jnx-example-data (jnx-example-data-name | jnx-example-data-description
| jnx-example-data-type | jnx-example-data-value)*>

<!ELEMENT jnx-example-data-description (#PCDATA)>

<!ELEMENT jnx-example-data-information (jnx-example-data)*>
<!ATTLIST jnx-example-data-information junos:style CDATA #IMPLIED>

<!ELEMENT jnx-example-data-name (#PCDATA)>

<!ELEMENT jnx-example-data-type (#PCDATA)>

<!ELEMENT jnx-example-data-value (#PCDATA)>

<!ELEMENT jnx-example-statistics (cpu-usage | memory-usage)*>

<!ELEMENT memory-usage (#PCDATA)>
```



# DTD for L2AL Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-l2al.dtd`, which lists the Junos XML tags that contain information about L2AL. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-l2al.dtd -->

<!ELEMENT bd-name (#PCDATA)>

<!ELEMENT bridge-domain-name (#PCDATA)>

<!ELEMENT bridge-statistics-information (l2ald-rtb-entry | interface-statistics)*>

<!ELEMENT bridging-domain (#PCDATA)>

<!ELEMENT broadcast-bytes (#PCDATA)>

<!ELEMENT broadcast-packets (#PCDATA)>

<!ELEMENT byte-count (#PCDATA)>

<!ELEMENT component-nhindex (#PCDATA)>

<!ELEMENT event-error (#PCDATA)>

<!ELEMENT event-name (#PCDATA)>

<!ELEMENT event-op (#PCDATA)>

<!ELEMENT event-owner (#PCDATA)>

<!ELEMENT event-type (#PCDATA)>

<!ELEMENT flood-group-composite-function (#PCDATA)>

<!ELEMENT flood-nh-components (interface-name | interface-type | nhtype |
nhindex)*>
<ATTLIST flood-nh-components junos:style CDATA #IMPLIED>

<!ELEMENT flood-nh-group (flood-nh-group-name | flood-nh-group-type | nhtype |
nhindex | flood-group-composite-function | flood-nh-components |
flood-nh-p2mp-components)*>
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<!ATTLIST flood-nh-group junos:style CDATA #IMPLIED>

<!ELEMENT flood-nh-group-name (#PCDATA)>

<!ELEMENT flood-nh-group-type (#PCDATA)>

<!ELEMENT flood-nh-p2mp-components (component-nhindex)*>

<!ELEMENT flood-route (route-prefix | route-type | owner | route-flood-group-name
| route-flood-group-index | nh-type | nhindex | flood-nh-p2mp-components |
flood-nh-components | flood-nh-group)*>
<!ATTLIST flood-route junos:style CDATA #IMPLIED>

<!ELEMENT flooded-bytes (#PCDATA)>

<!ELEMENT flooded-packets (#PCDATA)>

<!ELEMENT global-mac-count (#PCDATA)>

<!ELEMENT instance-name (#PCDATA)>

<!ELEMENT interface (interface-name | interface-id | interface-description |
local-interface-index | interface-flags | interface-flags-description)*>

<!ELEMENT interface-description (#PCDATA)>

<!ELEMENT interface-flags (#PCDATA)>

<!ELEMENT interface-flags-description (#PCDATA)>

<!ELEMENT interface-id (#PCDATA)>

<!ELEMENT interface-name (#PCDATA)>

<!ELEMENT interface-statistics (interface | remote-pe | broadcast-packets |
broadcast-bytes | multicast-packets | multicast-bytes | flooded-packets |
flooded-bytes | unicast-packets | unicast-bytes | mac-limit | num-mac-count)*>

<!ELEMENT interface-type (#PCDATA)>

<!ELEMENT l2-bridge-isid (#PCDATA)>

<!ELEMENT l2-bridge-vlan (#PCDATA)>

<!ELEMENT l2-mac-address (#PCDATA)>

<!ELEMENT l2-mac-bridging-domain (#PCDATA)>

<!ELEMENT l2-mac-entry-flags (#PCDATA)>

<!ELEMENT l2-mac-epoch (#PCDATA)>

<!ELEMENT l2-mac-flags (#PCDATA)>

<!ELEMENT l2-mac-ifl-generation (#PCDATA)>

<!ELEMENT l2-mac-interface-device (#PCDATA)>

<!ELEMENT l2-mac-learn-mask (#PCDATA)>

<!ELEMENT l2-mac-logical-interface (#PCDATA)>
```

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<!ELEMENT 12-mac-logical-system (#PCDATA)>

<!ELEMENT 12-mac-routing-instance (#PCDATA)>

<!ELEMENT 12-mac-sequence-number (#PCDATA)>

<!ELEMENT 12-mac-stp-index (#PCDATA)>

<!ELEMENT 12-mac-vlan (#PCDATA)>

<!ELEMENT 12-rbeb-flags (#PCDATA)>

<!ELEMENT 12-rbeb-le-index (#PCDATA)>

<!ELEMENT 12-rbeb-logical-system (#PCDATA)>

<!ELEMENT 12-rbeb-mac-address (#PCDATA)>

<!ELEMENT 12-rbeb-routing-instance (#PCDATA)>

<!ELEMENT 12-rbeb-state-flags (#PCDATA)>

<!ELEMENT 12-rbeb-time-left-msec (#PCDATA)>

<!ELEMENT 12-rbeb-time-left-sec (#PCDATA)>

<!ELEMENT 12-remote-beb-mac-address (#PCDATA)>

<!ELEMENT 12ald-bridge-domain-flood-event-info (event-name | event-type |
event-owner | event-op | event-error)*>
<!ATTLIST 12ald-bridge-domain-flood-event-info junos:style CDATA #IMPLIED>

<!ELEMENT 12ald-bridge-domain-flood-event-list
(12ald-bridge-domain-flood-event-info)*>

<!ELEMENT 12ald-bridge-domain-flood-event-queue
(12ald-bridge-domain-flood-next-event | 12ald-bridge-domain-flood-event-list)*>

<!ELEMENT 12ald-bridge-domain-flood-instance (12ald-bridge-domain-lr-information)*>

<!ELEMENT 12ald-bridge-domain-flood-instance-information (instance-name |
num-active-ce-iffs | num-active-ve-iffs | flood-route)*>
<!ATTLIST 12ald-bridge-domain-flood-instance-information junos:style CDATA
#IMPLIED>

<!ELEMENT 12ald-bridge-domain-flood-next-event
(12ald-bridge-domain-flood-event-info)*>

<!ELEMENT 12ald-bridge-domain-flood-route-information (flood-route)*>

<!ELEMENT 12ald-bridge-domain-lr-information (logical-system-info |
12ald-bridge-domain-flood-instance-information)*>

<!ELEMENT 12ald-bridge-instance-group (12rtb-name | 12rtb-bridging-domain |
12rtb-instance-description | 12rtb-instance-type | 12rtb-instance-state |
12rtb-instance-restart-state | 12rtb-instance-pathsel-timeout |
12rtb-interface-name | 12rtb-macs-learned | 12rtb-instance-flags |
12rtb-bridge-vlan | 12rtb-brief-summary)*>

<!ELEMENT 12ald-bridge-instance-information (12ald-bridge-instance-group)*>

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<!ATTLIST l2ald-bridge-instance-information junos:style CDATA #IMPLIED>

<!ELEMENT l2ald-config-flag (#PCDATA)>

<!ELEMENT l2ald-config-pbbn (l2ald-pbbn-entry)*>

<!ELEMENT l2ald-config-smac-count (#PCDATA)>

<!ELEMENT l2ald-global-configuration (l2ald-mac-aging-time | l2ald-config-flag |
  l2ald-mac-learning-status | l2ald-hardware-mac-learning-status |
  l2ald-software-mac-learning-status | l2ald-statistics-status |
  l2ald-sequence-number | l2ald-mac-learn-toggle-count |
  l2ald-hardware-mac-learn-toggle-count | l2ald-software-mac-learn-toggle-count |
  l2ald-statistics-toggle-count | l2ald-global-mac-limit-count |
  l2ald-global-mac-limit | l2ald-global-packet-action-drop |
  l2ald-interface-mac-limit-wm | l2ald-rtb-mac-limit-wm | l2ald-mac-limit-wm |
  l2ald-interface-mac-limit-timeout | l2ald-rtb-mac-limit-timeout |
  l2ald-mac-limit-timeout | l2ald-config-smac-count | l2ald-non-config-smac-count
  | l2ald-le-aging-time | l2ald-le-bridge-domain-aging-time)*>
<!ATTLIST l2ald-global-configuration junos:style CDATA #IMPLIED>

<!ELEMENT l2ald-global-mac-limit (#PCDATA)>

<!ELEMENT l2ald-global-mac-limit-count (#PCDATA)>

<!ELEMENT l2ald-global-macdb (l2ald-mac-entry)*>

<!ELEMENT l2ald-global-macdb-count (global-mac-count)*>

<!ELEMENT l2ald-global-packet-action-drop (#PCDATA)>

<!ELEMENT l2ald-hardware-mac-learn-toggle-count (#PCDATA)>

<!ELEMENT l2ald-hardware-mac-learning-status (#PCDATA)>

<!ELEMENT l2ald-if-mac-count-entry (interface-name | mac-count)*>
<!ATTLIST l2ald-if-mac-count-entry junos:style CDATA #IMPLIED>

<!ELEMENT l2ald-ifd-preconfig-entry (l2ald-ifd-preconfig-name |
  l2ald-ifd-preconfig-vmap | l2ald-ifd-preconfig-vmap-count |
  l2ald-ifd-tmp-resync-vmap | l2ald-ifd-tmp-resync-vmap-count)*>
<!ATTLIST l2ald-ifd-preconfig-entry junos:style CDATA #IMPLIED>

<!ELEMENT l2ald-ifd-preconfig-name (#PCDATA)>

<!ELEMENT l2ald-ifd-preconfig-vmap (#PCDATA)>

<!ELEMENT l2ald-ifd-preconfig-vmap-count (#PCDATA)>

<!ELEMENT l2ald-ifd-tmp-resync-vmap (#PCDATA)>

<!ELEMENT l2ald-ifd-tmp-resync-vmap-count (#PCDATA)>

<!ELEMENT l2ald-interface-mac-count (l2ald-total-intf-mac-count |
  l2ald-if-mac-count-entry)*>

<!ELEMENT l2ald-interface-mac-limit-timeout (#PCDATA)>

<!ELEMENT l2ald-interface-mac-limit-wm (#PCDATA)>

<!ELEMENT l2ald-interface-macdb (l2ald-macdb-if-name | l2ald-mac-entry)*>
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<!ELEMENT l2ald-le-aging-time (#PCDATA)>

<!ELEMENT l2ald-le-bridge-domain-aging-time (#PCDATA)>

<!ELEMENT l2ald-mac-aging-time (#PCDATA)>

<!ELEMENT l2ald-mac-destination-address-statistics (packet-count | byte-count)*>

<!ELEMENT l2ald-mac-entry (l2-mac-address | l2-remote-beb-mac-address |
l2-mac-interface-device | l2-mac-logical-interface | l2-mac-routing-instance |
l2-mac-bridging-domain | l2-mac-logical-system | l2-mac-vlan | l2-mac-stp-index
| l2-mac-epoch | l2-mac-ifl-generation | l2-mac-sequence-number | l2-mac-learn-mask
| l2-mac-entry-flags | l2-mac-flags | l2-bridge-vlan | l2-bridge-isid |
l2ald-mac-source-address-statistics | l2ald-mac-destination-address-statistics)*>
<!ATTLIST l2ald-mac-entry junos:style CDATA #IMPLIED>

<!ELEMENT l2ald-mac-learn-toggle-count (#PCDATA)>

<!ELEMENT l2ald-mac-learning-status (#PCDATA)>

<!ELEMENT l2ald-mac-limit-timeout (#PCDATA)>

<!ELEMENT l2ald-mac-limit-wm (#PCDATA)>

<!ELEMENT l2ald-mac-source-address-statistics (packet-count | byte-count)*>

<!ELEMENT l2ald-macdb-if-name (#PCDATA)>

<!ELEMENT l2ald-macdb-rtb-name (#PCDATA)>

<!ELEMENT l2ald-mc-ae-arp-entry (l2ald-mc-ae-rg-id |
l2ald-mc-ae-arp-rx-count-from-line | l2ald-mc-ae-arp-tx-count-to-peer |
l2ald-mc-ae-arp-rx-count-from-peer | l2ald-mc-ae-arp-install-count |
l2ald-mc-ae-arp-local-drop-count | l2ald-mc-ae-arp-remote-drop-count)*>
<!ATTLIST l2ald-mc-ae-arp-entry junos:style CDATA #IMPLIED>

<!ELEMENT l2ald-mc-ae-arp-install-count (#PCDATA)>

<!ELEMENT l2ald-mc-ae-arp-local-drop-count (#PCDATA)>

<!ELEMENT l2ald-mc-ae-arp-remote-drop-count (#PCDATA)>

<!ELEMENT l2ald-mc-ae-arp-rx-count-from-line (#PCDATA)>

<!ELEMENT l2ald-mc-ae-arp-rx-count-from-peer (#PCDATA)>

<!ELEMENT l2ald-mc-ae-arp-tx-count-to-peer (#PCDATA)>

<!ELEMENT l2ald-mc-ae-mh-flags (#PCDATA)>

<!ELEMENT l2ald-mc-ae-mh-mac-address (#PCDATA)>

<!ELEMENT l2ald-mc-ae-mh-mcae-id (#PCDATA)>

<!ELEMENT l2ald-mc-ae-mh-peer-address (#PCDATA)>

<!ELEMENT l2ald-mc-ae-mh-remote-mac-entry (l2ald-mc-ae-mh-service-id |
l2ald-mc-ae-mh-vlan-id | l2ald-mc-ae-mh-peer-address | l2ald-mc-ae-mh-mac-address
| l2ald-mc-ae-mh-mcae-id | l2ald-mc-ae-mh-unit-num | l2ald-mc-ae-mh-rtm-op |
l2ald-mc-ae-mh-flags | l2ald-mc-ae-mh-status)*>

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<!ATTLIST l2ald-mc-ae-mh-remote-mac-entry junos:style CDATA #IMPLIED>

<!ELEMENT l2ald-mc-ae-mh-rtm-op (#PCDATA)>

<!ELEMENT l2ald-mc-ae-mh-service-id (#PCDATA)>

<!ELEMENT l2ald-mc-ae-mh-status (#PCDATA)>

<!ELEMENT l2ald-mc-ae-mh-unit-num (#PCDATA)>

<!ELEMENT l2ald-mc-ae-mh-vlan-id (#PCDATA)>

<!ELEMENT l2ald-mc-ae-rg-disconnect-count (#PCDATA)>

<!ELEMENT l2ald-mc-ae-rg-entry (l2ald-mc-ae-rg-id | l2ald-mc-ae-rg-flags |
l2ald-mc-ae-rg-ref-count | l2ald-mc-ae-rg-tx-count | l2ald-mc-ae-rg-rx-count |
l2ald-mc-ae-rg-disconnect-count)*>
<!ATTLIST l2ald-mc-ae-rg-entry junos:style CDATA #IMPLIED>

<!ELEMENT l2ald-mc-ae-rg-flags (#PCDATA)>

<!ELEMENT l2ald-mc-ae-rg-id (#PCDATA)>

<!ELEMENT l2ald-mc-ae-rg-ref-count (#PCDATA)>

<!ELEMENT l2ald-mc-ae-rg-rx-count (#PCDATA)>

<!ELEMENT l2ald-mc-ae-rg-tx-count (#PCDATA)>

<!ELEMENT l2ald-mc-ae-sh-flags (#PCDATA)>

<!ELEMENT l2ald-mc-ae-sh-mac-address (#PCDATA)>

<!ELEMENT l2ald-mc-ae-sh-peer-address (#PCDATA)>

<!ELEMENT l2ald-mc-ae-sh-remote-mac-entry (l2ald-mc-ae-sh-service-id |
l2ald-mc-ae-sh-vlan-id | l2ald-mc-ae-sh-peer-address | l2ald-mc-ae-sh-mac-address
| l2ald-mc-ae-sh-rtm-op | l2ald-mc-ae-sh-flags | l2ald-mc-ae-sh-status)*>
<!ATTLIST l2ald-mc-ae-sh-remote-mac-entry junos:style CDATA #IMPLIED>

<!ELEMENT l2ald-mc-ae-sh-rtm-op (#PCDATA)>

<!ELEMENT l2ald-mc-ae-sh-service-id (#PCDATA)>

<!ELEMENT l2ald-mc-ae-sh-status (#PCDATA)>

<!ELEMENT l2ald-mc-ae-sh-vlan-id (#PCDATA)>

<!ELEMENT l2ald-mvrp-information (l2ald-ifd-preconfig-entry |
l2ald-server-non-mvrp-ct | l2ald-server-mvrp-ct | l2ald-server-mvrp-join-ct |
l2ald-server-mvrp-leave-ct)*>

<!ELEMENT l2ald-non-config-smac-count (#PCDATA)>

<!ELEMENT l2ald-pbbn (l2ald-pbbn-entry)*>

<!ELEMENT l2ald-pbbn-entry (l2pbbn-logical-system | l2pbbn-rtb | l2pbbn-rtb-bb |
l2pbbn-rtb-pbbn-id | l2pbbn-pbn-bd | l2pbbn-svlan | l2pbbn-isid | l2pbbn-bvlan
| l2pbbn-flags | l2pbbn-pbn-bd-index | l2pbbn-pbbn-bd | l2pbbn-pbbn-bd-index |
l2pbbn-generation | l2pbbn-sequence-number | l2pbbn-handle | l2pbbn-mac-address)*>
<!ATTLIST l2ald-pbbn-entry junos:style CDATA #IMPLIED>

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<!ELEMENT l2ald-pbn (l2ald-pbn-entry)*>

<!ELEMENT l2ald-pbn-entry (l2pbn-logical-system | l2pbn-rtb | l2pbn-rtb-bb |
l2pbn-bridging-domain | l2pbn-pbn-bd | l2pbn-pbbn-bd | l2pbn-svlan | l2pbn-isid
| l2pbn-bvlan | l2pbn-flags | l2pbn-pbn-bd-index | l2pbn-pbbn-bd-index |
l2pbn-generation | l2pbn-sequence-number | l2pbn-handle | l2pbn-mac-address)*>
<!--ATTLIST l2ald-pbn-entry junos:style CDATA #IMPLIED-->

<!--ELEMENT l2ald-perf-counters (perf-desc | perf-count | perf-start-time-sec |
perf-start-time-usec | perf-end-time-sec | perf-end-time-usec | perf-diff-time-sec
| perf-diff-time-usec)*-->

<!--ELEMENT l2ald-rbeb-entry (l2-rbeb-logical-system | l2-rbeb-routing-instance |
l2-rbeb-le-index | l2-rbeb-mac-address | l2-rbeb-time-left-sec |
l2-rbeb-time-left-msec | l2-rbeb-flags | l2-rbeb-state-flags)*-->
<!--ATTLIST l2ald-rbeb-entry junos:style CDATA #IMPLIED-->

<!--ELEMENT l2ald-rbeb-information (l2ald-rbeb-entry)*-->

<!--ELEMENT l2ald-rg-information (l2ald-mc-ae-rg-entry |
l2ald-mc-ae-sh-remote-mac-entry | l2ald-mc-ae-mh-remote-mac-entry |
l2ald-mc-ae-arp-entry)*-->

<!--ELEMENT l2ald-rtb-entry (l2rtb-name | l2rtb-bridging-domain | l2rtb-id | l2bd-id
| l2rtb-l2irb-ifl-index | l2bd-vlan-id | l2rtb-logical-system |
l2rtb-sequence-number | l2rtb-mac-limit | l2rtb-macs-learned |
l2rtb-config-smacs-learned | l2rtb-non-config-smacs-learned | l2rtb-flags |
l2rtb-peer-pbbn-rtb-id | l2rtb-irb-interface | l2rtb-irb-interface-index |
l2rtb-handle | l2rtb-config-bd-vlan | l2rtb-config-operation | l2rtb-config-flags
| l2rtb-config-params | l2rtb-config-ownership-flags | l2rtb-config-mvrp-ref-count
| l2rtb-instance-type | l2rtb-config-smac-count | l2rtb-rtsock-write-errors |
l2rtb-ownership-flags | l2rtb-configured-service-id | l2rtb-active-service-id |
l2rtb-configured-bd-service-id | l2rtb-active-bd-service-id |
l2rtb-configured-rg-id | l2rtb-active-rg-id)*-->
<!--ATTLIST l2ald-rtb-entry junos:style CDATA #IMPLIED-->

<!--ELEMENT l2ald-rtb-if-mac-count (l2ald-rtb-if-mac-count-entry)*-->

<!--ELEMENT l2ald-rtb-if-mac-count-entry (interface-name | mac-count)*-->

<!--ELEMENT l2ald-rtb-learn-vlan-mac-count (l2ald-rtb-learn-vlan-mac-count-entry)*-->

<!--ELEMENT l2ald-rtb-learn-vlan-mac-count-entry (learn-vlan | mac-count)*-->

<!--ELEMENT l2ald-rtb-mac-count (l2ald-rtb-mac-count-entry)*-->

<!--ELEMENT l2ald-rtb-mac-count-entry (rtb-name | bd-name | rtb-mac-count |
l2ald-rtb-if-mac-count | l2ald-rtb-learn-vlan-mac-count)*-->

<!--ELEMENT l2ald-rtb-mac-learn-address (#PCDATA)-->

<!--ELEMENT l2ald-rtb-mac-learn-count (l2ald-rtb-mac-learn-address |
l2ald-rtb-mac-learn-num-times)*-->

<!--ELEMENT l2ald-rtb-mac-learn-num-times (#PCDATA)-->

<!--ELEMENT l2ald-rtb-mac-limit-timeout (#PCDATA)-->

<!--ELEMENT l2ald-rtb-mac-limit-wm (#PCDATA)-->

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<!ELEMENT l2ald-rtb-macdb (l2ald-macdb-rtb-name | l2ald-mac-entry)*>

<!ELEMENT l2ald-sequence-number (#PCDATA)>

<!ELEMENT l2ald-server-mvrp-ct (#PCDATA)>

<!ELEMENT l2ald-server-mvrp-join-ct (#PCDATA)>

<!ELEMENT l2ald-server-mvrp-leave-ct (#PCDATA)>

<!ELEMENT l2ald-server-non-mvrp-ct (#PCDATA)>

<!ELEMENT l2ald-software-mac-learn-toggle-count (#PCDATA)>

<!ELEMENT l2ald-software-mac-learning-status (#PCDATA)>

<!ELEMENT l2ald-statistics-status (#PCDATA)>

<!ELEMENT l2ald-statistics-toggle-count (#PCDATA)>

<!ELEMENT l2ald-total-intf-mac-count (#PCDATA)>

<!ELEMENT l2ald-vpls-flood-event-info (event-name | event-type | event-owner |
event-op | event-error)*>
<ATTLIST l2ald-vpls-flood-event-info junos:style CDATA #IMPLIED>

<!ELEMENT l2ald-vpls-flood-event-list (l2ald-vpls-flood-event-info)*>

<!ELEMENT l2ald-vpls-flood-event-queue (l2ald-vpls-flood-next-event |
l2ald-vpls-flood-event-list)*>

<!ELEMENT l2ald-vpls-flood-instance (l2ald-vpls-lr-information)*>

<!ELEMENT l2ald-vpls-flood-instance-information (instance-name | bridging-domain
| num-active-ce-iffs | num-active-ve-iffs | bridge-domain-name | flood-route)*>
<ATTLIST l2ald-vpls-flood-instance-information junos:style CDATA #IMPLIED>

<!ELEMENT l2ald-vpls-flood-next-event (l2ald-vpls-flood-event-info)*>

<!ELEMENT l2ald-vpls-flood-route-information (flood-route)*>

<!ELEMENT l2ald-vpls-lr-information (logical-system-info |
l2ald-vpls-flood-instance-information)*>

<!ELEMENT l2bd-id (#PCDATA)>

<!ELEMENT l2bd-vlan-id (#PCDATA)>

<!ELEMENT l2pbbn-bvlan (#PCDATA)>

<!ELEMENT l2pbbn-flags (#PCDATA)>

<!ELEMENT l2pbbn-generation (#PCDATA)>

<!ELEMENT l2pbbn-handle (#PCDATA)>

<!ELEMENT l2pbbn-isid (#PCDATA)>

<!ELEMENT l2pbbn-logical-system (#PCDATA)>

<!ELEMENT l2pbbn-mac-address (#PCDATA)>
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<!ELEMENT 12pbbn-pbbn-bd (#PCDATA)>
<!ELEMENT 12pbbn-pbbn-bd-index (#PCDATA)>
<!ELEMENT 12pbbn-pbn-bd (#PCDATA)>
<!ELEMENT 12pbbn-pbn-bd-index (#PCDATA)>
<!ELEMENT 12pbbn-rtb (#PCDATA)>
<!ELEMENT 12pbbn-rtb-bb (#PCDATA)>
<!ELEMENT 12pbbn-rtb-pbbn-id (#PCDATA)>
<!ELEMENT 12pbbn-sequence-number (#PCDATA)>
<!ELEMENT 12pbbn-svlan (#PCDATA)>
<!ELEMENT 12pbn-bridging-domain (#PCDATA)>
<!ELEMENT 12pbn-bvlan (#PCDATA)>
<!ELEMENT 12pbn-flags (#PCDATA)>
<!ELEMENT 12pbn-generation (#PCDATA)>
<!ELEMENT 12pbn-handle (#PCDATA)>
<!ELEMENT 12pbn-isid (#PCDATA)>
<!ELEMENT 12pbn-logical-system (#PCDATA)>
<!ELEMENT 12pbn-mac-address (#PCDATA)>
<!ELEMENT 12pbn-pbbn-bd (#PCDATA)>
<!ELEMENT 12pbn-pbbn-bd-index (#PCDATA)>
<!ELEMENT 12pbn-pbn-bd (#PCDATA)>
<!ELEMENT 12pbn-pbn-bd-index (#PCDATA)>
<!ELEMENT 12pbn-rtb (#PCDATA)>
<!ELEMENT 12pbn-rtb-bb (#PCDATA)>
<!ELEMENT 12pbn-sequence-number (#PCDATA)>
<!ELEMENT 12pbn-svlan (#PCDATA)>
<!ELEMENT 12rtb-active-bd-service-id (#PCDATA)>
<!ELEMENT 12rtb-active-rg-id (#PCDATA)>
<!ELEMENT 12rtb-active-service-id (#PCDATA)>
<!ELEMENT 12rtb-bridge-vlan (#PCDATA)>
<!ELEMENT 12rtb-bridging-domain (#PCDATA)>
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<!ELEMENT 12rtb-brief-summary EMPTY>

<!ELEMENT 12rtb-config-bd-vlan (#PCDATA)>

<!ELEMENT 12rtb-config-flags (#PCDATA)>

<!ELEMENT 12rtb-config-mvrp-ref-count (#PCDATA)>

<!ELEMENT 12rtb-config-operation (#PCDATA)>

<!ELEMENT 12rtb-config-ownership-flags (#PCDATA)>

<!ELEMENT 12rtb-config-params (#PCDATA)>

<!ELEMENT 12rtb-config-smac-count (#PCDATA)>

<!ELEMENT 12rtb-config-smacs-learned (#PCDATA)>

<!ELEMENT 12rtb-configured-bd-service-id (#PCDATA)>

<!ELEMENT 12rtb-configured-rg-id (#PCDATA)>

<!ELEMENT 12rtb-configured-service-id (#PCDATA)>

<!ELEMENT 12rtb-flags (#PCDATA)>

<!ELEMENT 12rtb-handle (#PCDATA)>

<!ELEMENT 12rtb-id (#PCDATA)>

<!ELEMENT 12rtb-instance-description (#PCDATA)>

<!ELEMENT 12rtb-instance-flags (#PCDATA)>

<!ELEMENT 12rtb-instance-pathse1-timeout (#PCDATA)>

<!ELEMENT 12rtb-instance-restart-state (#PCDATA)>

<!ELEMENT 12rtb-instance-state (#PCDATA)>

<!ELEMENT 12rtb-instance-type (#PCDATA)>

<!ELEMENT 12rtb-interface-name (#PCDATA)>

<!ELEMENT 12rtb-irb-interface (#PCDATA)>

<!ELEMENT 12rtb-irb-interface-index (#PCDATA)>

<!ELEMENT 12rtb-12irb-if1-index (#PCDATA)>

<!ELEMENT 12rtb-logical-system (#PCDATA)>

<!ELEMENT 12rtb-mac-limit (#PCDATA)>

<!ELEMENT 12rtb-macs-learned (#PCDATA)>

<!ELEMENT 12rtb-name (#PCDATA)>

<!ELEMENT 12rtb-non-config-smacs-learned (#PCDATA)>

<!ELEMENT 12rtb-ownership-flags (#PCDATA)>
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<!ELEMENT l2rtb-peer-pbbn-rtb-id (#PCDATA)>
<!ELEMENT l2rtb-rtsock-write-errors (#PCDATA)>
<!ELEMENT l2rtb-sequence-number (#PCDATA)>
<!ELEMENT learn-vlan (#PCDATA)>
<!ELEMENT local-interface-index (#PCDATA)>
<!ELEMENT logical-system-info (logical-system-name)*>
<!ELEMENT logical-system-name (#PCDATA)>
<!ELEMENT mac-count (#PCDATA)>
<!ELEMENT mac-limit (#PCDATA)>
<!ELEMENT multicast-bytes (#PCDATA)>
<!ELEMENT multicast-packets (#PCDATA)>
<!ELEMENT nhindex (#PCDATA)>
<!ELEMENT nhtype (#PCDATA)>
<!ELEMENT num-active-ce-iffs (#PCDATA)>
<!ELEMENT num-active-ve-iffs (#PCDATA)>
<!ELEMENT num-mac-count (#PCDATA)>
<!ELEMENT owner (#PCDATA)>
<!ELEMENT packet-count (#PCDATA)>
<!ELEMENT perf-count (#PCDATA)>
<!ELEMENT perf-desc (#PCDATA)>
<!ELEMENT perf-diff-time-sec (#PCDATA)>
<!ELEMENT perf-diff-time-usec (#PCDATA)>
<!ELEMENT perf-end-time-sec (#PCDATA)>
<!ELEMENT perf-end-time-usec (#PCDATA)>
<!ELEMENT perf-start-time-sec (#PCDATA)>
<!ELEMENT perf-start-time-usec (#PCDATA)>
<!ELEMENT remote-pe (#PCDATA)>
<!ELEMENT route-flood-group-index (#PCDATA)>
<!ELEMENT route-flood-group-name (#PCDATA)>
<!ELEMENT route-prefix (#PCDATA)>
```

```
<!ELEMENT route-type (#PCDATA)>
<!ELEMENT rtb-mac-count (#PCDATA)>
<!ELEMENT rtb-name (#PCDATA)>
<!ELEMENT unicast-bytes (#PCDATA)>
<!ELEMENT unicast-packets (#PCDATA)>
```

# DTD for L2CP Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-l2cp.dtd`, which lists the Junos XML tags that contain information about L2CP. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-l2cp.dtd -->

<!ELEMENT administrative-mode (#PCDATA)>

<!ELEMENT administrative-state (#PCDATA)>

<!ELEMENT aps-event (#PCDATA)>

<!ELEMENT aps-state (#PCDATA)>

<!ELEMENT authentication-failed-interface (#PCDATA)>

<!ELEMENT authentication-failed-mac-addr (#PCDATA)>

<!ELEMENT authentication-failed-user (#PCDATA)>

<!ELEMENT boundary-port (#PCDATA)>

<!ELEMENT bpdu-destination-mac-address (#PCDATA)>

<!ELEMENT bpdus-received-5seconds (#PCDATA)>

<!ELEMENT bpdus-sent-5seconds (#PCDATA)>

<!ELEMENT bridge-mac (#PCDATA)>

<!ELEMENT bridge-priority (#PCDATA)>

<!ELEMENT cist-bridge-parameters (cist-id | root-bridge | root-port | root-cost
| regional-root-bridge | internal-root-cost | hello-time-learned | max-age-learned
| forward-delay-learned | msg-age | hop-count | time-since-last-tc |
topology-change-count | extended-system-id | this-bridge | hello-time-configured
| max-age-configured | forward-delay-configured | max-hop-count-configured |
path-cost-method)*>

<!ELEMENT cist-id (#PCDATA)>
```

```
<!ELEMENT control-channel-name (#PCDATA)>

<!ELEMENT data-channel-forward-state (#PCDATA)>

<!ELEMENT data-channel-interface-name (#PCDATA)>

<!ELEMENT data-channel-stp-index (#PCDATA)>

<!ELEMENT designated-bridge-mac (#PCDATA)>
<!--ATTLIST designated-bridge-mac junos:format CDATA #IMPLIED-->

<!ELEMENT designated-bridge-priority (#PCDATA)>

<!ELEMENT designated-port-number (#PCDATA)>
<!--ATTLIST designated-port-number junos:format CDATA #IMPLIED-->

<!ELEMENT designated-port-priority (#PCDATA)>

<!ELEMENT dnf-flag (#PCDATA)>

<!--ELEMENT dot1x-authentication-failed-users (authentication-failed-interface |
authentication-failed-mac-addr | authentication-failed-user)*-->

<!--ELEMENT dot1x-interface-information (interface | dot1x-static-mac-address |
dot1x-authentication-failed-users)*-->

<!--ELEMENT dot1x-static-mac-address (static-mac-address | static-mac-vlan-assignment
| static-mac-interface)*-->

<!ELEMENT epoch (#PCDATA)>

<!--ELEMENT erp-data-channel-entry (data-channel-interface-name |
data-channel-stp-index | data-channel-forward-state)*-->

<!--ELEMENT erp-data-channel-information (erp-data-channels)*-->

<!--ELEMENT erp-data-channel-interfaces (erp-data-channel-entry)*-->
<!--ATTLIST erp-data-channel-interfaces junos:style CDATA #IMPLIED-->

<!--ELEMENT erp-data-channel-protection-group-name (#PCDATA)>

<!--ELEMENT erp-data-channels (erp-data-channel-protection-group-name |
erp-data-channel-interfaces)*-->

<!--ELEMENT erp-ifbd-bridge-domain (#PCDATA)>

<!--ELEMENT erp-ifbd-entries (erp-ifbd-entry)*-->
<!--ATTLIST erp-ifbd-entries junos:style CDATA #IMPLIED-->

<!--ELEMENT erp-ifbd-entry (erp-ifbd-interface-name | erp-ifbd-vlan |
erp-ifbd-stp-index | erp-ifbd-bridge-domain)*-->

<!--ELEMENT erp-ifbd-information (erp-ifbds)*-->

<!--ELEMENT erp-ifbd-interface-name (#PCDATA)>

<!--ELEMENT erp-ifbd-protection-group-name (#PCDATA)>

<!--ELEMENT erp-ifbd-stp-index (#PCDATA)>

<!--ELEMENT erp-ifbd-vlan (#PCDATA)>
```



```

<!ELEMENT erp-ifbds (erp-ifbd-protection-group-name | erp-ifbd-entries)*>

<!ELEMENT erp-interface-entry (erp-interface-name | control-channel-name |
forward-state | rpl-end | sf-flag | interface-state)*>

<!ELEMENT erp-interface-information (ethernet-ring-pg)*>

<!ELEMENT erp-interface-name (#PCDATA)>

<!ELEMENT erp-interfaces (erp-interface-entry)*>
<!ATTLIST erp-interfaces junos:style CDATA #IMPLIED>

<!ELEMENT erp-protection-group-name (#PCDATA)>

<!ELEMENT erp-raps (erp-raps-entry)*>
<!ATTLIST erp-raps junos:style CDATA #IMPLIED>

<!ELEMENT erp-raps-entry (protection-group-name | aps-state | aps-event | rpl-owner
| wtr-timer | guard-timer | operation-state)*>

<!ELEMENT erp-raps-information (erp-raps)*>

<!ELEMENT erp-rpdu-entry (protection-group-name | request-state | dnf-flag |
rb-flag | originator | remote-node-id)*>

<!ELEMENT erp-rpdu-information (erp-rpdus)*>

<!ELEMENT erp-rpdus (erp-rpdu-entry)*>
<!ATTLIST erp-rpdus junos:style CDATA #IMPLIED>

<!ELEMENT ethernet-ring-pg (erp-protection-group-name | erp-interfaces)*>

<!ELEMENT ethernet-ring-statistics (protection-group-name | raps-event-sent |
raps-event-received | raps-local-sf | raps-remote-sf | raps-nr | raps-nr-rb)*>

<!ELEMENT extended-system-id (#PCDATA)>

<!ELEMENT forward-delay-configured (#PCDATA)>

<!ELEMENT forward-delay-learned (#PCDATA)>

<!ELEMENT forward-state (#PCDATA)>

<!ELEMENT frame-control (#PCDATA)>

<!ELEMENT guard-timer (#PCDATA)>

<!ELEMENT guest-vlan (#PCDATA)>

<!ELEMENT hardware-learning (#PCDATA)>

<!ELEMENT hello-time-configured (#PCDATA)>

<!ELEMENT hello-time-learned (#PCDATA)>

<!ELEMENT hop-count (#PCDATA)>

<!ELEMENT interface (user-name | user-mac-address | role | state |
administrative-state | administrative-mode | number-of-retries | quiet-period |
transmit-period | reauthentication | reauthentication-interval | supplicant-timeout

```

```
    | server-timeout | max-eapol-request | frame-control | guest-vlan |
    number-of-authentication-bypassed-clients | static-mac-bypass |
    number-of-connected-suplicants | reauthentication-due)*>
<!ATTLIST interface junos:style CDATA #IMPLIED>

<!ELEMENT interface-state (#PCDATA)>

<!ELEMENT internal-root-cost (#PCDATA)>

<!ELEMENT kernel-action (#PCDATA)>

<!ELEMENT kernel-if-name (#PCDATA)>

<!ELEMENT kernel-state (#PCDATA)>

<!ELEMENT kernel-stp-instance (#PCDATA)>

<!ELEMENT l2pt-interface-entry (protocols)*>

<!ELEMENT l2pt-interface-list (l2pt-interface-entry)*>

<!ELEMENT link-type (#PCDATA)>

<!ELEMENT max-age-configured (#PCDATA)>

<!ELEMENT max-age-learned (#PCDATA)>

<!ELEMENT max-eapol-request (#PCDATA)>

<!ELEMENT max-hop-count-configured (#PCDATA)>

<!ELEMENT message-type (#PCDATA)>

<!ELEMENT mmrp-applicant-entry (mmrp-applicant-mac-address |
mmrp-applicant-interface-name | mmrp-applicant-state)*>

<!ELEMENT mmrp-applicant-entry-information (mmrp-applicant-entry)*>
<!ATTLIST mmrp-applicant-entry-information junos:style CDATA #IMPLIED>

<!ELEMENT mmrp-applicant-information (mmrp-applicant-mmrp-instance)*>

<!ELEMENT mmrp-applicant-instance-name (#PCDATA)>

<!ELEMENT mmrp-applicant-interface-name (#PCDATA)>

<!ELEMENT mmrp-applicant-mac-address (#PCDATA)>
<!ATTLIST mmrp-applicant-mac-address junos:format CDATA #IMPLIED>

<!ELEMENT mmrp-applicant-mmrp-instance (mmrp-applicant-instance-name |
mmrp-applicant-entry-information)*>

<!ELEMENT mmrp-applicant-state (#PCDATA)>

<!ELEMENT mmrp-interface-entry (mmrp-interface-interface-name |
mmrp-interface-state)*>

<!ELEMENT mmrp-interface-entry-information (mmrp-interface-entry)*>

<!ELEMENT mmrp-interface-information (mmrp-interface-mmrp-instance)*>

<!ELEMENT mmrp-interface-instance-name (#PCDATA)>
```

```

<!ELEMENT mmrp-interface-interface-name (#PCDATA)>

<!ELEMENT mmrp-interface-mmrp-instance (mmrp-interface-instance-name |
mmrp-interface-entry-information)*>

<!ELEMENT mmrp-interface-state (#PCDATA)>

<!ELEMENT mmrp-maclist-entry (mmrp-maclist-mac-address | mmrp-maclist-mac-type |
mmrp-maclist-mac-isid | mmrp-maclist-mac-map_count)*>

<!ELEMENT mmrp-maclist-entry-information (mmrp-maclist-entry)*>

<!ELEMENT mmrp-maclist-information (mmrp-maclist-mmrp-instance)*>

<!ELEMENT mmrp-maclist-instance-name (#PCDATA)>

<!ELEMENT mmrp-maclist-mac-address (#PCDATA)>
<ATTLIST mmrp-maclist-mac-address junos:format CDATA #IMPLIED>

<!ELEMENT mmrp-maclist-mac-isid (#PCDATA)>
<ATTLIST mmrp-maclist-mac-isid junos:format CDATA #IMPLIED>

<!ELEMENT mmrp-maclist-mac-map_count (#PCDATA)>

<!ELEMENT mmrp-maclist-mac-type (#PCDATA)>
<ATTLIST mmrp-maclist-mac-type junos:format CDATA #IMPLIED>

<!ELEMENT mmrp-maclist-mmrp-instance (mmrp-maclist-instance-name |
mmrp-maclist-entry-information)*>

<!ELEMENT mmrp-mactable-bridge-domain-name (#PCDATA)>

<!ELEMENT mmrp-mactable-entry (mmrp-mactable-mac-address | mmrp-mactable-nexthop
| mmrp-mactable-token | mmrp-mactable-interface)*>

<!ELEMENT mmrp-mactable-entry-information (mmrp-mactable-entry)*>

<!ELEMENT mmrp-mactable-information (mmrp-mactable-mmrp-instance)*>

<!ELEMENT mmrp-mactable-instance-name (#PCDATA)>

<!ELEMENT mmrp-mactable-interface (mmrp-mactable-interface-name |
mmrp-mactable-interface-action)*>

<!ELEMENT mmrp-mactable-interface-action (#PCDATA)>

<!ELEMENT mmrp-mactable-interface-name (#PCDATA)>

<!ELEMENT mmrp-mactable-mac-address (#PCDATA)>
<ATTLIST mmrp-mactable-mac-address junos:format CDATA #IMPLIED>

<!ELEMENT mmrp-mactable-mmrp-instance (mmrp-mactable-instance-name |
mmrp-mactable-bridge-domain-name | mmrp-mactable-vlan-id |
mmrp-mactable-entry-information)*>
<ATTLIST mmrp-mactable-mmrp-instance junos:style CDATA #IMPLIED>

<!ELEMENT mmrp-mactable-nexthop (#PCDATA)>

<!ELEMENT mmrp-mactable-token (#PCDATA)>

```

```
<!ELEMENT mmrp-mactable-vlan-id (#PCDATA)>

<!ELEMENT mmrp-registration-entry (mmrp-registration-mac-address |
mmrp-registration-interface-name | mmrp-registration-state |
mmrp-registration-forced-state | mmrp-registration-manage-state |
mmrp-registration-stp-state)*>

<!ELEMENT mmrp-registration-entry-information (mmrp-registration-entry)*>
<!ATTLIST mmrp-registration-entry-information junos:style CDATA #IMPLIED>

<!ELEMENT mmrp-registration-forced-state (#PCDATA)>

<!ELEMENT mmrp-registration-information (mmrp-registration-mmrip-instance)*>

<!ELEMENT mmrp-registration-instance-name (#PCDATA)>

<!ELEMENT mmrp-registration-interface-name (#PCDATA)>

<!ELEMENT mmrp-registration-mac-address (#PCDATA)>
<!ATTLIST mmrp-registration-mac-address junos:format CDATA #IMPLIED>

<!ELEMENT mmrp-registration-manage-state (#PCDATA)>

<!ELEMENT mmrp-registration-mmrip-instance (mmrp-registration-instance-name |
mmrp-registration-entry-information)*>

<!ELEMENT mmrp-registration-state (#PCDATA)>

<!ELEMENT mmrp-registration-stp-state (#PCDATA)>

<!ELEMENT mmrp-statistics-entry (mmrp-statistics-interface-name |
mmrp-statistics-mac-registered | mmrp-statistics-sent-pdu |
mmrp-statistics-received-pdu | mmrp-statistics-error-pdu)*>

<!ELEMENT mmrp-statistics-entry-information (mmrp-statistics-entry)*>

<!ELEMENT mmrp-statistics-error-pdu (#PCDATA)>

<!ELEMENT mmrp-statistics-information (mmrp-statistics-mmrip-instance)*>

<!ELEMENT mmrp-statistics-instance-name (#PCDATA)>

<!ELEMENT mmrp-statistics-interface-name (#PCDATA)>

<!ELEMENT mmrp-statistics-mac-registered (#PCDATA)>

<!ELEMENT mmrp-statistics-mmrip-instance (mmrp-statistics-instance-name |
mmrp-statistics-entry-information)*>

<!ELEMENT mmrp-statistics-received-pdu (#PCDATA)>

<!ELEMENT mmrp-statistics-sent-pdu (#PCDATA)>

<!ELEMENT msg-age (#PCDATA)>

<!ELEMENT msti-bridge-parameters (msti-id | msti-regional-root-bridge | root-port
| root-cost | hello-time-learned | max-age-learned | forward-delay-learned |
max-hop-count-configured | hop-count | time-since-last-tc | topology-change-count
| extended-system-id | this-bridge | hello-time-configured | max-age-configured
| forward-delay-configured | path-cost-method)*>
```

```

<!ELEMENT msti-id (#PCDATA)>

<!ELEMENT msti-regional-root-bridge (bridge-priority | bridge-mac)*>

<!ELEMENT mstp-configuration (mstp-name | mstp-revision | mstp-configuration-digest
| vlan-map)*>

<!ELEMENT mstp-configuration-digest (#PCDATA)>

<!ELEMENT mstp-name (#PCDATA)>

<!ELEMENT mstp-revision (#PCDATA)>

<!ELEMENT mvrp-applicant-information (mvrp-applicant-instance)*>

<!ELEMENT mvrp-applicant-instance (mvrp-routing-instance-name |
mvrp-applicant-vlan-entry)*>

<!ELEMENT mvrp-applicant-interface-entry (mvrp-interface-name |
mvrp-applicant-state)*>

<!ELEMENT mvrp-applicant-state (#PCDATA)>

<!ELEMENT mvrp-applicant-vlan-entry (mvrp-vlan-id |
mvrp-applicant-interface-entry)*>

<!ELEMENT mvrp-bpdu-mac-address (#PCDATA)>

<!ELEMENT mvrp-clear-statistics (#PCDATA)>

<!ELEMENT mvrp-dynamic-vlan (#PCDATA)>

<!ELEMENT mvrp-fixed-registration EMPTY>

<!ELEMENT mvrp-information (mvrp-information-entry)*>

<!ELEMENT mvrp-information-entry (mvrp-routing-instance-name | mvrp-dynamic-vlan
| mvrp-bpdu-mac-address | mvrp-interface-timers)*>

<!ELEMENT mvrp-interface-applicant-mode (#PCDATA)>

<!ELEMENT mvrp-interface-entry (mvrp-interface-name | mvrp-interface-status |
mvrp-interface-registration-mode | mvrp-interface-applicant-mode)*>

<!ELEMENT mvrp-interface-information (mvrp-interface-instance)*>

<!ELEMENT mvrp-interface-instance (mvrp-routing-instance-name |
mvrp-interface-entry)*>

<!ELEMENT mvrp-interface-name (#PCDATA)>

<!ELEMENT mvrp-interface-registration-mode (#PCDATA)>

<!ELEMENT mvrp-interface-statistics (mvrp-statistics-instance)*>

<!ELEMENT mvrp-interface-status (#PCDATA)>

<!ELEMENT mvrp-interface-timers (mvrp-interface-name | mvrp-timer-join |
mvrp-timer-leave | mvrp-timer-leaveall)*>

<!ELEMENT mvrp-registration-forced-state (#PCDATA)>

```

```
<!ELEMENT mvrp-registration-information (mvrp-registration-instance)*>

<!ELEMENT mvrp-registration-instance (mvrp-routing-instance-name |
mvrp-registration-vlan-entry)*>

<!ELEMENT mvrp-registration-interface-entry (mvrp-interface-name |
mvrp-registration-state | mvrp-registration-forced-state |
mvrp-registration-manage-state | mvrp-registration-stp-state)*>

<!ELEMENT mvrp-registration-manage-state (#PCDATA)>

<!ELEMENT mvrp-registration-state (#PCDATA)>

<!ELEMENT mvrp-registration-stp-state (#PCDATA)>

<!ELEMENT mvrp-registration-vlan-entry (mvrp-vlan-id |
mvrp-registration-interface-entry)*>

<!ELEMENT mvrp-routing-instance-name (#PCDATA)>

<!ELEMENT mvrp-static-vlan EMPTY>

<!ELEMENT mvrp-statistics-error-pdu (#PCDATA)>

<!ELEMENT mvrp-statistics-instance (mvrp-routing-instance-name |
mvrp-statistics-interface-entry)*>

<!ELEMENT mvrp-statistics-interface-entry (mvrp-interface-name |
mvrp-statistics-vlan-registered | mvrp-statistics-sent-pdu |
mvrp-statistics-received-pdu | mvrp-statistics-error-pdu)*>

<!ELEMENT mvrp-statistics-received-pdu (#PCDATA)>

<!ELEMENT mvrp-statistics-sent-pdu (#PCDATA)>

<!ELEMENT mvrp-statistics-vlan-registered (#PCDATA)>

<!ELEMENT mvrp-timer-join (#PCDATA)>

<!ELEMENT mvrp-timer-leave (#PCDATA)>

<!ELEMENT mvrp-timer-leaveall (#PCDATA)>

<!ELEMENT mvrp-vlan-entry (mvrp-vlan-id | mvrp-static-vlan |
mvrp-vlan-interface-entry)*>

<!ELEMENT mvrp-vlan-id (#PCDATA)>

<!ELEMENT mvrp-vlan-information (mvrp-vlan-instance)*>

<!ELEMENT mvrp-vlan-instance (mvrp-routing-instance-name | mvrp-vlan-entry)*>

<!ELEMENT mvrp-vlan-interface-entry (mvrp-interface-name |
mvrp-fixed-registration)*>

<!ELEMENT next-bpdu-time (#PCDATA)>

<!ELEMENT number-of-authentication-bypassed-clients (#PCDATA)>

<!ELEMENT number-of-connected-suplicants (#PCDATA)>
```

```
<!ELEMENT number-of-retries (#PCDATA)>

<!ELEMENT operation-state (#PCDATA)>

<!ELEMENT originator (#PCDATA)>

<!ELEMENT path-cost-method (#PCDATA)>

<!ELEMENT port-cost (#PCDATA)>

<!ELEMENT port-migrated-protocol (#PCDATA)>

<!ELEMENT port-priority (#PCDATA)>

<!ELEMENT port-role (#PCDATA)>

<!ELEMENT port-state (#PCDATA)>

<!ELEMENT protection-group-name (#PCDATA)>

<!ELEMENT protocol (#PCDATA)>

<!ELEMENT protocols (#PCDATA)>

<!ELEMENT quiet-period (#PCDATA)>

<!ELEMENT raps-event-received (#PCDATA)>

<!ELEMENT raps-event-sent (#PCDATA)>

<!ELEMENT raps-local-sf (#PCDATA)>

<!ELEMENT raps-nr (#PCDATA)>

<!ELEMENT raps-nr-rb (#PCDATA)>

<!ELEMENT raps-remote-sf (#PCDATA)>

<!ELEMENT rb-flag (#PCDATA)>

<!ELEMENT reauthentication (#PCDATA)>

<!ELEMENT reauthentication-due (#PCDATA)>

<!ELEMENT reauthentication-interval (#PCDATA)>

<!ELEMENT regional-root-bridge (bridge-priority | bridge-mac)*>

<!ELEMENT remote-node-id (#PCDATA)>
<!-- ATTENTION: remote-node-id junos:format CDATA #IMPLIED -->

<!ELEMENT request-state (#PCDATA)>

<!ELEMENT role (#PCDATA)>

<!ELEMENT root-bridge (bridge-priority | bridge-mac)*>

<!ELEMENT root-cost (#PCDATA)>

<!ELEMENT root-port (#PCDATA)>
```

```
<!ELEMENT routing-instance-name (#PCDATA)>

<!ELEMENT rpl-end (#PCDATA)>

<!ELEMENT rpl-owner (#PCDATA)>

<!ELEMENT server-timeout (#PCDATA)>

<!ELEMENT sf-flag (#PCDATA)>

<!ELEMENT state (#PCDATA)>

<!ELEMENT static-mac-address (#PCDATA)>

<!ELEMENT static-mac-bypass (#PCDATA)>

<!ELEMENT static-mac-interface (#PCDATA)>

<!ELEMENT static-mac-vlan-assignment (#PCDATA)>

<!ELEMENT stp-bridge (routing-instance-name | bpdus-destination-mac-address |
protocol | cist-bridge-parameters | msti-bridge-parameters |
vst-bridge-parameters)*>

<!ELEMENT stp-context-statistics-information (message-type | total-bpdus-sent |
total-bpdus-received | bpdus-sent-5seconds | bpdus-received-5seconds |
vstp-statistics)*>

<!ELEMENT stp-index (#PCDATA)>

<!ELEMENT stp-instance (stp-interfaces)*>

<!ELEMENT stp-interface-entry (port-priority | designated-port-priority |
designated-port-number | port-cost | port-state | designated-bridge-priority |
designated-bridge-mac | port-role | link-type | port-migrated-protocol |
boundary-port)*>

<!ELEMENT stp-interface-information (stp-instance)*>

<!ELEMENT stp-interface-statistics (stp-interface-statistics-entry |
vstp-interface-statistics)*>

<!ELEMENT stp-interface-statistics-entry (total-bpdus-sent | total-bpdus-received
| next-bpdu-time)*>

<!ELEMENT stp-interfaces (stp-interface-entry)*>
<!--ATTLIST stp-interfaces junos:style CDATA #IMPLIED-->

<!ELEMENT stp-kernel-table (stp-kernel-table-entry)*>

<!ELEMENT stp-kernel-table-entry (stp-index | kernel-if-name | kernel-stp-instance
| kernel-state | kernel-action | epoch | hardware-learning | vpls-flush-sequence
| stp-peer-ip)*>

<!ELEMENT stp-peer-ip (#PCDATA)>

<!ELEMENT supplicant-timeout (#PCDATA)>

<!ELEMENT task (task-name | task-no-information | task-timer)*>
```



```

<!ELEMENT task-block (tb-name | tb-size | tb-alloc-size | tb-terse-transient |
tb-terse-fullpage | tb-terse-debug | tb-alloc-blocks | tb-alloc-bytes |
tb-max-alloc-blocks | tb-max-alloc-bytes)*>

<!ELEMENT task-block-list (task-block)*>

<!ELEMENT task-gres-state (#PCDATA)>

<!ELEMENT task-information (task)*>

<!ELEMENT task-lite-page (tlp-name | tlp-alloc-pages | tlp-alloc-bytes |
tlp-max-alloc-pages | tlp-max-alloc-bytes)*>

<!ELEMENT task-lite-page-list (task-lite-page)*>

<!ELEMENT task-malloc (tm-name | tm-allocs | tm-alloc-bytes | tm-max-allocs |
tm-max-alloc-bytes | tm-function-calls)*>

<!ELEMENT task-malloc-list (task-malloc)*>

<!ELEMENT task-memory-allocator-report (task-block-list | task-lite-page-list |
task-memory-total-bytes | task-memory-total-max-bytes)*>

<!ELEMENT task-memory-bss-bytes (#PCDATA)>

<!ELEMENT task-memory-dir-bytes (#PCDATA)>

<!ELEMENT task-memory-dynamic-allocs (#PCDATA)>

<!ELEMENT task-memory-free-size (#PCDATA)>

<!ELEMENT task-memory-in-use-avail (#PCDATA)>

<!ELEMENT task-memory-in-use-size (#PCDATA)>

<!ELEMENT task-memory-information (task-memory-in-use-size |
task-memory-in-use-avail | task-memory-max-size | task-memory-max-avail |
task-memory-max-when | task-memory-free-size | task-memory-overall-report |
task-memory-allocator-report | task-memory-malloc-usage-report |
task-memory-dynamic-allocs | task-memory-max-dynamic-allocs | task-memory-bss-bytes
| task-memory-max-bss-bytes | task-memory-page-data-bytes |
task-memory-max-page-data-bytes | task-memory-dir-bytes | task-memory-max-dir-bytes
| task-memory-total-bytes-in-use | task-memory-total-bytes-percent)*>
<!ATTLIST task-memory-information junos:style CDATA #IMPLIED>

<!ELEMENT task-memory-malloc-usage-report (task-malloc-list |
task-memory-total-bytes | task-memory-total-max-bytes)*>

<!ELEMENT task-memory-max-avail (#PCDATA)>

<!ELEMENT task-memory-max-bss-bytes (#PCDATA)>

<!ELEMENT task-memory-max-dir-bytes (#PCDATA)>

<!ELEMENT task-memory-max-dynamic-allocs (#PCDATA)>

<!ELEMENT task-memory-max-page-data-bytes (#PCDATA)>

<!ELEMENT task-memory-max-size (#PCDATA)>

<!ELEMENT task-memory-max-when (#PCDATA)>

```

```
<!ELEMENT task-memory-overall-report (task-size-block-list | task-memory-stats-list
| task-memory-total-bytes | task-memory-total-max-bytes |
task-memory-total-free-bytes)*>

<!ELEMENT task-memory-page-data-bytes (#PCDATA)>

<!ELEMENT task-memory-stats (tms-name | tms-allocs | tms-mallocs | tms-alloc-bytes
| tms-max-allocs | tms-max-bytes | tms-free-bytes)*>

<!ELEMENT task-memory-stats-list (task-memory-stats)*>

<!ELEMENT task-memory-total-bytes (#PCDATA)>

<!ELEMENT task-memory-total-bytes-in-use (#PCDATA)>

<!ELEMENT task-memory-total-bytes-percent (#PCDATA)>

<!ELEMENT task-memory-total-free-bytes (#PCDATA)>

<!ELEMENT task-memory-total-max-bytes (#PCDATA)>

<!ELEMENT task-name (#PCDATA)>

<!ELEMENT task-no-information EMPTY>

<!ELEMENT task-protocol-replication-name (#PCDATA)>

<!ELEMENT task-protocol-replication-state (#PCDATA)>

<!ELEMENT task-re-mode (#PCDATA)>

<!ELEMENT task-replication-state (task-gres-state | task-re-mode |
task-protocol-replication-state | task-protocol-replication-name)*>

<!ELEMENT task-size-block (tsb-size | tsb-terse-transient | tsb-terse-fullpage |
tsb-allocs | tsb-mallocs | tsb-alloc-bytes | tsb-max-allocs | tsb-max-bytes |
tsb-free-bytes)*>

<!ELEMENT task-size-block-list (task-size-block)*>

<!ELEMENT task-timer (timer-name | timer-late | timer-expires | timer-jitter |
timer-interval | timer-flags)*>

<!ELEMENT task-timer-information (task)*>

<!ELEMENT tb-alloc-blocks (#PCDATA)>

<!ELEMENT tb-alloc-bytes (#PCDATA)>

<!ELEMENT tb-alloc-size (#PCDATA)>

<!ELEMENT tb-max-alloc-blocks (#PCDATA)>

<!ELEMENT tb-max-alloc-bytes (#PCDATA)>

<!ELEMENT tb-name (#PCDATA)>

<!ELEMENT tb-size (#PCDATA)>

<!ELEMENT tb-terse-debug EMPTY>
```

```
<!ELEMENT tb-terse-fullpage EMPTY>

<!ELEMENT tb-terse-transient EMPTY>

<!ELEMENT this-bridge (bridge-priority | bridge-mac)*>

<!ELEMENT time-since-last-tc (#PCDATA)>

<!ELEMENT timer-expires (#PCDATA)>

<!ELEMENT timer-flags (#PCDATA)>

<!ELEMENT timer-interval (#PCDATA)>

<!ELEMENT timer-jitter (#PCDATA)>

<!ELEMENT timer-late EMPTY>

<!ELEMENT timer-name (#PCDATA)>

<!ELEMENT tlp-alloc-bytes (#PCDATA)>

<!ELEMENT tlp-alloc-pages (#PCDATA)>

<!ELEMENT tlp-max-alloc-bytes (#PCDATA)>

<!ELEMENT tlp-max-alloc-pages (#PCDATA)>

<!ELEMENT tlp-name (#PCDATA)>

<!ELEMENT tm-alloc-bytes (#PCDATA)>

<!ELEMENT tm-allocs (#PCDATA)>

<!ELEMENT tm-function-calls (#PCDATA)>

<!ELEMENT tm-max-alloc-bytes (#PCDATA)>

<!ELEMENT tm-max-allocs (#PCDATA)>

<!ELEMENT tm-name (#PCDATA)>

<!ELEMENT tms-alloc-bytes (#PCDATA)>

<!ELEMENT tms-allocs (#PCDATA)>

<!ELEMENT tms-free-bytes (#PCDATA)>

<!ELEMENT tms-mallocs (#PCDATA)>

<!ELEMENT tms-max-allocs (#PCDATA)>

<!ELEMENT tms-max-bytes (#PCDATA)>

<!ELEMENT tms-name (#PCDATA)>

<!ELEMENT topology-change-count (#PCDATA)>

<!ELEMENT total-bpdus-received (#PCDATA)>
```

```
<!ELEMENT total-bpdus-sent (#PCDATA)>

<!ELEMENT transmit-period (#PCDATA)>

<!ELEMENT tsb-alloc-bytes (#PCDATA)>

<!ELEMENT tsb-allocs (#PCDATA)>

<!ELEMENT tsb-free-bytes (#PCDATA)>

<!ELEMENT tsb-mallocs (#PCDATA)>

<!ELEMENT tsb-max-allocs (#PCDATA)>

<!ELEMENT tsb-max-bytes (#PCDATA)>

<!ELEMENT tsb-size (#PCDATA)>

<!ELEMENT tsb-terse-fullpage EMPTY>

<!ELEMENT tsb-terse-transient EMPTY>

<!ELEMENT user-mac-address (#PCDATA)>

<!ELEMENT user-name (#PCDATA)>

<!ELEMENT vlan-map (vlan-map-entry)*>

<!ELEMENT vlan-map-entry (msti-id | vlan-string)*>

<!ELEMENT vlan-string (#PCDATA)>

<!ELEMENT vpls-flush-sequence (#PCDATA)>

<!ELEMENT vst-bridge-parameters (root-bridge | root-port | root-cost |
hello-time-learned | max-age-learned | forward-delay-learned | msg-age |
time-since-last-tc | topology-change-count | extended-system-id | this-bridge |
hello-time-configured | max-age-configured | forward-delay-configured |
path-cost-method)*>

<!ELEMENT vstp-interface-statistics (stp-interface-statistics-entry)*>

<!ELEMENT vstp-statistics (message-type | total-bpdus-sent | total-bpdus-received
| bpdus-sent-5seconds | bpdus-received-5seconds)*>

<!ELEMENT wtr-timer (#PCDATA)>
```

## CHAPTER 55

# DTD for LACPD Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-lacpd.dtd`, which lists the Junos XML tags that contain information about LACPD. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-lacpd.dtd -->

<!ELEMENT aggregate-name (#PCDATA)>

<!ELEMENT clink-state (#PCDATA)>

<!ELEMENT clink-type (#PCDATA)>

<!ELEMENT illegal-rx-packets (#PCDATA)>

<!ELEMENT init-sm-state (#PCDATA)>

<!ELEMENT la-status (#PCDATA)>

<!ELEMENT lacp-activity (#PCDATA)>

<!ELEMENT lacp-aggregation (#PCDATA)>

<!ELEMENT lacp-collecting (#PCDATA)>

<!ELEMENT lacp-defaulted (#PCDATA)>

<!ELEMENT lacp-distributing (#PCDATA)>

<!ELEMENT lacp-expired (#PCDATA)>

<!ELEMENT lacp-interface-information (lag-lacp-header | lag-lacp-info |
lag-lacp-state | lag-lacp-protocol)*>

<!ELEMENT lacp-interface-information-list (lacp-interface-information)*>

<!ELEMENT lacp-interface-statistics (lag-lacp-header | lag-lacp-statistics)*>

<!ELEMENT lacp-interface-statistics-list (lacp-interface-statistics)*>

<!ELEMENT lacp-link-switchover (aggregate-name | lacp-status)*>
```

```
<!ELEMENT lacp-mux-state (#PCDATA)>

<!ELEMENT lacp-port-key (#PCDATA)>

<!ELEMENT lacp-port-number (#PCDATA)>

<!ELEMENT lacp-port-priority (#PCDATA)>

<!ELEMENT lacp-receive-state (#PCDATA)>

<!ELEMENT lacp-role (#PCDATA)>

<!ELEMENT lacp-rx-packets (#PCDATA)>

<!ELEMENT lacp-status (#PCDATA)>

<!ELEMENT lacp-synchronization (#PCDATA)>

<!ELEMENT lacp-sys-priority (#PCDATA)>

<!ELEMENT lacp-system-id (#PCDATA)>

<!ELEMENT lacp-timeout (#PCDATA)>

<!ELEMENT lacp-transmit-state (#PCDATA)>

<!ELEMENT lacp-tx-packets (#PCDATA)>

<!ELEMENT lag-lacp-header (aggregate-name)*>

<!ELEMENT lag-lacp-info (name | lacp-role | lacp-sys-priority | lacp-system-id |
  lacp-port-priority | lacp-port-number | lacp-port-key)*>

<!ELEMENT lag-lacp-protocol (name | lacp-receive-state | lacp-transmit-state |
  lacp-mux-state)*>

<!ELEMENT lag-lacp-state (name | lacp-role | lacp-expired | lacp-defaulted |
  lacp-distributing | lacp-collecting | lacp-synchronization | lacp-aggregation |
  lacp-timeout | lacp-activity)*>

<!ELEMENT lag-lacp-statistics (name | lacp-rx-packets | lacp-tx-packets |
  unknown-rx-packets | illegal-rx-packets)*>

<!ELEMENT local-ip (#PCDATA)>

<!ELEMENT local-logical-interface-state (#PCDATA)>

<!ELEMENT local-state (#PCDATA)>

<!ELEMENT local-status (#PCDATA)>

<!ELEMENT logical-interface (#PCDATA)>

<!ELEMENT mc-ae-clink (local-ip | remote-ip | clink-type | la-status | pa-status
  | clink-state | vc-id)*>

<!ELEMENT mc-ae-ifl-list (logical-interface | topology-type |
  local-logical-interface-state | peer-logical-interface-state | mcp-state)*>

<!ELEMENT mc-ae-status (member-link | init-sm-state | local-status | local-state
  | peer-status | peer-state)*>
```

```
<!ELEMENT mc-ae-status-information (mc-ae-status | mc-ae-ifl-list |
mc-ae-stitching-peer | mc-ae-clink)*>

<!ELEMENT mc-ae-status-information-list (mc-ae-status-information)*>

<!ELEMENT mc-ae-stitching-peer (stitching-peer)*>

<!ELEMENT mcp-state (#PCDATA)>

<!ELEMENT member-link (#PCDATA)>

<!ELEMENT name (#PCDATA)>

<!ELEMENT pa-status (#PCDATA)>

<!ELEMENT peer-logical-interface-state (#PCDATA)>

<!ELEMENT peer-state (#PCDATA)>

<!ELEMENT peer-status (#PCDATA)>

<!ELEMENT remote-ip (#PCDATA)>

<!ELEMENT stitching-peer (#PCDATA)>

<!ELEMENT topology-type (#PCDATA)>

<!ELEMENT unknown-rx-packets (#PCDATA)>

<!ELEMENT vc-id (#PCDATA)>
```





## CHAPTER 56

# DTD for LFM Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-lfm.dtd`, which lists the Junos XML tags that contain information about LFM. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-lfm.dtd -->

<!ELEMENT lfmd-action-profile-execution-count (#PCDATA)>

<!ELEMENT lfmd-action-profile-information (lfmd-action-profile-name |
lfmd-action-profile-invoke-count | lfmd-action-profile-execution-count)*>

<!ELEMENT lfmd-action-profile-invoke-count (#PCDATA)>

<!ELEMENT lfmd-action-profile-name (#PCDATA)>

<!ELEMENT lfmd-clear-output (#PCDATA)>

<!ELEMENT lfmd-critical-event-received (#PCDATA)>

<!ELEMENT lfmd-discovery-flags (lfmd-flag-remote-stable |
lfmd-flag-remote-evaluating | lfmd-flag-remote-state-valid |
lfmd-flag-local-satisfied | lfmd-flag-local-stable | lfmd-pdu-flags)*>

<!ELEMENT lfmd-discovery-state (#PCDATA)>

<!ELEMENT lfmd-dying-gasp-received (#PCDATA)>

<!ELEMENT lfmd-event-current-frame-error (lfmd-event-frame-error-window |
lfmd-event-frame-error-threshold | lfmd-event-frame-error-count |
lfmd-event-frame-error-total-count | lfmd-event-frame-count)*>

<!ELEMENT lfmd-event-current-symbol-error (lfmd-event-symbol-error-window |
lfmd-event-symbol-error-threshold | lfmd-event-symbol-error-count |
lfmd-event-symbol-error-total-count | lfmd-event-symbol-count)*>

<!ELEMENT lfmd-event-frame-count (#PCDATA)>

<!ELEMENT lfmd-event-frame-error-count (#PCDATA)>

<!ELEMENT lfmd-event-frame-error-threshold (#PCDATA)>
```

```
<!ELEMENT lfmd-event-frame-error-total-count (#PCDATA)>

<!ELEMENT lfmd-event-frame-error-window (#PCDATA)>

<!ELEMENT lfmd-event-pdus-received (#PCDATA)>

<!ELEMENT lfmd-event-pdus-transmitted (#PCDATA)>

<!ELEMENT lfmd-event-received-frame-count (#PCDATA)>

<!ELEMENT lfmd-event-received-frame-error (lfmd-event-received-frame-error-window |
lfmd-event-received-frame-error-threshold |
lfmd-event-received-frame-error-count | lfmd-event-received-frame-error-total-count
| lfmd-event-received-frame-count)*>

<!ELEMENT lfmd-event-received-frame-error-count (#PCDATA)>

<!ELEMENT lfmd-event-received-frame-error-threshold (#PCDATA)>

<!ELEMENT lfmd-event-received-frame-error-total-count (#PCDATA)>

<!ELEMENT lfmd-event-received-frame-error-window (#PCDATA)>

<!ELEMENT lfmd-event-received-frame-period-count (#PCDATA)>

<!ELEMENT lfmd-event-received-frame-period-error
(lfmd-event-received-frame-period-error-window |
lfmd-event-received-frame-period-error-threshold |
lfmd-event-received-frame-period-error-count |
lfmd-event-received-frame-period-error-total-count |
lfmd-event-received-frame-period-count)*>

<!ELEMENT lfmd-event-received-frame-period-error-count (#PCDATA)>

<!ELEMENT lfmd-event-received-frame-period-error-threshold (#PCDATA)>

<!ELEMENT lfmd-event-received-frame-period-error-total-count (#PCDATA)>

<!ELEMENT lfmd-event-received-frame-period-error-window (#PCDATA)>

<!ELEMENT lfmd-event-received-frame-seconds-count (#PCDATA)>

<!ELEMENT lfmd-event-received-frame-seconds-error
(lfmd-event-received-frame-seconds-error-window |
lfmd-event-received-frame-seconds-error-threshold |
lfmd-event-received-frame-seconds-error-count |
lfmd-event-received-frame-seconds-error-total-count |
lfmd-event-received-frame-seconds-count)*>

<!ELEMENT lfmd-event-received-frame-seconds-error-count (#PCDATA)>

<!ELEMENT lfmd-event-received-frame-seconds-error-threshold (#PCDATA)>

<!ELEMENT lfmd-event-received-frame-seconds-error-total-count (#PCDATA)>

<!ELEMENT lfmd-event-received-frame-seconds-error-window (#PCDATA)>

<!ELEMENT lfmd-event-received-symbol-count (#PCDATA)>

<!ELEMENT lfmd-event-received-symbol-error (lfmd-event-received-symbol-error-window
| lfmd-event-received-symbol-error-threshold |
```

```

lfmd-event-received-symbol-error-count |
lfmd-event-received-symbol-error-total-count | lfmd-event-received-symbol-count)*>

<!ELEMENT lfmd-event-received-symbol-error-count (#PCDATA)>

<!ELEMENT lfmd-event-received-symbol-error-threshold (#PCDATA)>

<!ELEMENT lfmd-event-received-symbol-error-total-count (#PCDATA)>

<!ELEMENT lfmd-event-received-symbol-error-window (#PCDATA)>

<!ELEMENT lfmd-event-symbol-count (#PCDATA)>

<!ELEMENT lfmd-event-symbol-error-count (#PCDATA)>

<!ELEMENT lfmd-event-symbol-error-threshold (#PCDATA)>

<!ELEMENT lfmd-event-symbol-error-total-count (#PCDATA)>

<!ELEMENT lfmd-event-symbol-error-window (#PCDATA)>

<!ELEMENT lfmd-event-transmitted-frame-count (#PCDATA)>

<!ELEMENT lfmd-event-transmitted-frame-error
(lfmd-event-transmitted-frame-error-window |
lfmd-event-transmitted-frame-error-threshold |
lfmd-event-transmitted-frame-error-count |
lfmd-event-transmitted-frame-error-total-count |
lfmd-event-transmitted-frame-count)*>

<!ELEMENT lfmd-event-transmitted-frame-error-count (#PCDATA)>

<!ELEMENT lfmd-event-transmitted-frame-error-threshold (#PCDATA)>

<!ELEMENT lfmd-event-transmitted-frame-error-total-count (#PCDATA)>

<!ELEMENT lfmd-event-transmitted-frame-error-window (#PCDATA)>

<!ELEMENT lfmd-event-transmitted-symbol-count (#PCDATA)>

<!ELEMENT lfmd-event-transmitted-symbol-error
(lfmd-event-transmitted-symbol-error-window |
lfmd-event-transmitted-symbol-error-threshold |
lfmd-event-transmitted-symbol-error-count |
lfmd-event-transmitted-symbol-error-total-count |
lfmd-event-transmitted-symbol-count)*>

<!ELEMENT lfmd-event-transmitted-symbol-error-count (#PCDATA)>

<!ELEMENT lfmd-event-transmitted-symbol-error-threshold (#PCDATA)>

<!ELEMENT lfmd-event-transmitted-symbol-error-total-count (#PCDATA)>

<!ELEMENT lfmd-event-transmitted-symbol-error-window (#PCDATA)>

<!ELEMENT lfmd-events (lfmd-events-received | lfmd-events-transmitted |
lfmd-events-current)*>

<!ELEMENT lfmd-events-current (lfmd-event-current-symbol-error |
lfmd-event-current-frame-error)*>

```

```
<!ELEMENT lfmd-events-received (lfmd-event-received-symbol-error |
lfmd-event-received-frame-error | lfmd-event-received-frame-period-error |
lfmd-event-received-frame-seconds-error)*>

<!ELEMENT lfmd-events-transmitted (lfmd-event-transmitted-symbol-error |
lfmd-event-transmitted-frame-error)*>

<!ELEMENT lfmd-flag-local-satisfied EMPTY>

<!ELEMENT lfmd-flag-local-stable EMPTY>

<!ELEMENT lfmd-flag-remote-evaluating EMPTY>

<!ELEMENT lfmd-flag-remote-stable EMPTY>

<!ELEMENT lfmd-flag-remote-state-valid EMPTY>

<!ELEMENT lfmd-information (lfmd-interface-information |
lfmd-action-profile-information)*>
<!--ATTLIST lfmd-information junos:style CDATA #IMPLIED-->

<!ELEMENT lfmd-information-pdus-received (#PCDATA)>

<!ELEMENT lfmd-information-pdus-transmitted (#PCDATA)>

<!ELEMENT lfmd-interface-information (lfmd-interface-name | lfmd-status |
lfmd-discovery-state | lfmd-discovery-flags | lfmd-peer-address |
lfmd-peer-mux-action | lfmd-peer-parser-action | lfmd-peer-config-mode |
lfmd-peer-config-unidirectional | lfmd-peer-config-loopback |
lfmd-peer-config-link-events | lfmd-peer-config-variable-request |
lfmd-loopback-local-enabled | lfmd-loopback-remote-enabled | lfmd-statistics |
lfmd-events)*>

<!ELEMENT lfmd-interface-name (#PCDATA)>

<!ELEMENT lfmd-link-fault-received (#PCDATA)>

<!ELEMENT lfmd-loopback-control-pdus-received (#PCDATA)>

<!ELEMENT lfmd-loopback-control-pdus-transmitted (#PCDATA)>

<!ELEMENT lfmd-loopback-local-enabled EMPTY>

<!ELEMENT lfmd-loopback-remote-enabled EMPTY>

<!ELEMENT lfmd-organization-pdus-received (#PCDATA)>

<!ELEMENT lfmd-organization-pdus-transmitted (#PCDATA)>

<!ELEMENT lfmd-pdu-flags (#PCDATA)>

<!ELEMENT lfmd-peer-address (#PCDATA)>

<!ELEMENT lfmd-peer-config-link-events (#PCDATA)>

<!ELEMENT lfmd-peer-config-loopback (#PCDATA)>

<!ELEMENT lfmd-peer-config-mode (#PCDATA)>

<!ELEMENT lfmd-peer-config-unidirectional (#PCDATA)>
```

```
<!ELEMENT lfmd-peer-config-variable-request (#PCDATA)>

<!ELEMENT lfmd-peer-mux-action (#PCDATA)>

<!ELEMENT lfmd-peer-parser-action (#PCDATA)>

<!ELEMENT lfmd-statistics (lfmd-statistics-received |
lfmd-statistics-transmitted)*>

<!ELEMENT lfmd-statistics-received (lfmd-information-pdus-received |
lfmd-event-pdus-received | lfmd-variable-request-pdus-received |
lfmd-variable-response-pdus-received | lfmd-loopback-control-pdus-received |
lfmd-organization-pdus-received | lfmd-unknown-pdus-received |
lfmd-critical-event-received | lfmd-dying-gasp-received |
lfmd-link-fault-received)*>

<!ELEMENT lfmd-statistics-transmitted (lfmd-information-pdus-transmitted |
lfmd-event-pdus-transmitted | lfmd-variable-request-pdus-transmitted |
lfmd-variable-response-pdus-transmitted | lfmd-loopback-control-pdus-transmitted
| lfmd-organization-pdus-transmitted | lfmd-unknown-pdus-transmitted)*>

<!ELEMENT lfmd-status (#PCDATA)>

<!ELEMENT lfmd-unknown-pdus-received (#PCDATA)>

<!ELEMENT lfmd-unknown-pdus-transmitted (#PCDATA)>

<!ELEMENT lfmd-variable-request-pdus-received (#PCDATA)>

<!ELEMENT lfmd-variable-request-pdus-transmitted (#PCDATA)>

<!ELEMENT lfmd-variable-response-pdus-received (#PCDATA)>

<!ELEMENT lfmd-variable-response-pdus-transmitted (#PCDATA)>
```



## CHAPTER 57

# DTD for License Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called junos-license.dtd, which lists the Junos XML tags that contain information about Junos licenses. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-license.dtd -->

<!ELEMENT add-error-count (#PCDATA)>

<!ELEMENT add-individual-result (operation-status | filename | line-number | name
 | message)*>

<!ELEMENT add-license-results (add-individual-result | add-error-count |
add-success)*>

<!ELEMENT add-success EMPTY>

<!ELEMENT description (#PCDATA)>

<!ELEMENT device-reference (#PCDATA)>

<!ELEMENT end-date (#PCDATA)>
<ATTLIST end-date junos:seconds CDATA #IMPLIED>

<!ELEMENT feature (name | description | validity-information)*>
<ATTLIST feature junos:style CDATA #IMPLIED>

<!ELEMENT feature-block (feature)*>

<!ELEMENT feature-summary (name | description | licensed | used-licensed |
used-given | needed | validity-type | remaining-time | end-date)*>

<!ELEMENT features-used EMPTY>

<!ELEMENT filename (#PCDATA)>

<!ELEMENT group-define (#PCDATA)>

<!ELEMENT group-reference (#PCDATA)>

<!ELEMENT key-data (#PCDATA)>
```

```
<!ELEMENT license (name | license-state | license-version | license-type |
device-reference | group-reference | group-define | unsupported-attribute |
feature-block)*>

<!ELEMENT license-information (no-licenses-installed | licenses-installed |
license)*>

<!ELEMENT license-key (name | key-data)*>

<!ELEMENT license-key-information (license-key)*>

<!ELEMENT license-state (#PCDATA)>

<!ELEMENT license-summary-information (license-usage-summary |
license-information)*>

<!ELEMENT license-type (#PCDATA)>

<!ELEMENT license-usage-summary (features-used | no-feature-used |
feature-summary)*>

<!ELEMENT license-version (#PCDATA)>

<!ELEMENT licensed (#PCDATA)>

<!ELEMENT licenses-installed EMPTY>

<!ELEMENT line-number (#PCDATA)>

<!ELEMENT message (#PCDATA)>

<!ELEMENT name (#PCDATA)>

<!ELEMENT needed (#PCDATA)>

<!ELEMENT no-feature-used EMPTY>

<!ELEMENT no-licenses-installed EMPTY>

<!ELEMENT operation-status (#PCDATA)>
<!-- ATTENTION: operation-status junos:format CDATA #IMPLIED -->

<!ELEMENT original-validity (original-validity-value |
original-validity-time-unit)*>

<!ELEMENT original-validity-time-unit (#PCDATA)>

<!ELEMENT original-validity-value (#PCDATA)>
<!-- ATTENTION: original-validity-value junos:seconds CDATA #IMPLIED -->

<!ELEMENT remaining-time (remaining-validity-value |
remaining-validity-time-unit)*>

<!ELEMENT remaining-validity-time-unit (#PCDATA)>

<!ELEMENT remaining-validity-value (#PCDATA)>
<!-- ATTENTION: remaining-validity-value junos:seconds CDATA #IMPLIED -->

<!ELEMENT start-date (#PCDATA)>
<!-- ATTENTION: start-date junos:seconds CDATA #IMPLIED -->
```



```
<!ELEMENT unsupported-attribute (#PCDATA)>

<!ELEMENT used-given (#PCDATA)>
<!--ATTLIST used-given junos:format CDATA #IMPLIED-->

<!ELEMENT used-licensed (#PCDATA)>

<!ELEMENT validity-information (validity-type | original-validity | remaining-time
    | start-date | end-date | license-state)*>

<!ELEMENT validity-type (#PCDATA)>
```



## CHAPTER 58

# DTD for Licensed Feature Metadata Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-licensed-feature-metadata.dtd`, which lists the Junos XML tags that contain information about licensed feature metadata. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-licensed-feature-metadata.dtd -->

<!ELEMENT alias (base-feature | cumulative-value)*>

<!ELEMENT base-feature (#PCDATA)>

<!ELEMENT cumulative-value (#PCDATA)>

<!ELEMENT description (#PCDATA)>

<!ELEMENT flag (#PCDATA)>

<!ELEMENT id (#PCDATA)>

<!ELEMENT licensed-feature (id | name | description | flag | alias)*>

<!ELEMENT licensed-feature-metadata-information (licensed-feature)*>

<!ELEMENT name (#PCDATA)>
```



## CHAPTER 59

# DTD for MIP Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-mip.dtd`, which lists the Junos XML tags that contain information about MIPs. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->  
<!-- All rights reserved. -->  
<!-- junos-mip.dtd -->
```

```
<!ELEMENT addr-pool (start-addr | end-addr)*>
```

```
<!ELEMENT address (#PCDATA)>
```

```
<!ELEMENT address-list (address)*>
```

```
<!ELEMENT administrative-prohibited (#PCDATA)>
```

```
<!ELEMENT authentication (#PCDATA)>
```

```
<!ELEMENT bad-lifetime (#PCDATA)>
```

```
<!ELEMENT bad-request (#PCDATA)>
```

```
<!ELEMENT count (#PCDATA)>
```

```
<!ELEMENT end-addr (#PCDATA)>
```

```
<!ELEMENT failed-fa (#PCDATA)>
```

```
<!ELEMENT failed-ha (#PCDATA)>
```

```
<!ELEMENT failed-mn (#PCDATA)>
```

```
<!ELEMENT ha-unreachable (#PCDATA)>
```

```
<!ELEMENT id-mismatch (#PCDATA)>
```

```
<!ELEMENT identification (#PCDATA)>
```

```
<!ELEMENT interface (#PCDATA)>
```

```
<!ELEMENT interface-name (#PCDATA)>
```

```
<!ELEMENT lifetime-granted (#PCDATA)>
```

```
<!ELEMENT lifetime-remaining (#PCDATA)>

<!ELEMENT mip-binding (mip-home-address | mip-nai | mip-home-agent |
mip-care-of-address | lifetime-granted | lifetime-remaining | tunnel-type |
tunnel-id | tunnel-source | tunnel-destination | identification |
revocation-support | revocation-inform | count | state | session-id)*>

<!ELEMENT mip-binding-information (mip-binding)*>
<!--ATTLIST mip-binding-information junos:style CDATA #IMPLIED-->

<!--ELEMENT mip-care-of-address (#PCDATA)-->

<!--ELEMENT mip-error (mip-error-message)*-->

<!--ELEMENT mip-error-message (#PCDATA)-->

<!--ELEMENT mip-fa (mip-fa-status | mip-fa-max-pending-request |
mip-fa-request-timeout | mip-fa-registration-required |
mip-fa-registration-lifetime | mip-fa-coa | mip-fa-serice-enabled |
mip-fa-reverse-tunnel)*-->

<!--ELEMENT mip-fa-coa (#PCDATA)-->

<!--ELEMENT mip-fa-information (mip-fa)*-->
<!--ATTLIST mip-fa-information junos:style CDATA #IMPLIED-->

<!--ELEMENT mip-fa-max-pending-request (#PCDATA)-->

<!--ELEMENT mip-fa-registration-lifetime (#PCDATA)-->

<!--ELEMENT mip-fa-registration-required (#PCDATA)-->

<!--ELEMENT mip-fa-request-timeout (#PCDATA)-->

<!--ELEMENT mip-fa-reverse-tunnel (#PCDATA)-->

<!--ELEMENT mip-fa-serice-enabled (#PCDATA)-->

<!--ELEMENT mip-fa-status (#PCDATA)-->

<!--ELEMENT mip-home-address (#PCDATA)-->

<!--ELEMENT mip-home-agent (#PCDATA)-->

<!--ELEMENT mip-home-agent-interface-network (interface | mip-home-agent |
registration-lifetime | time-tolerance | addr-pool | number-of-mn |
mip-home-address | range | mip-nai | mip-care-of-address | lifetime-granted |
lifetime-remaining)*-->

<!--ELEMENT mip-home-agent-interface-network-information
(mip-home-agent-interface-network)*-->
<!--ATTLIST mip-home-agent-interface-network-information junos:style CDATA #IMPLIED-->

<!--ELEMENT mip-home-agent-overview (status | service-enabled-on | address-list |
authentication)*-->

<!--ELEMENT mip-home-agent-overview-information (mip-home-agent-overview)*-->
<!--ATTLIST mip-home-agent-overview-information junos:style CDATA #IMPLIED-->

<!--ELEMENT mip-home-agent-traffic (request-received | request-forwarded |
```

```

request-denied | replies-forwarded | unspecified | administrative-prohibited |
no-resource | bad-request | too-many-bindings | unknown-ha | id-mismatch |
unavailable-reverse-tunnel | unavailable-encapsulation | failed-mn | failed-fa)*>

<!ELEMENT mip-home-agent-traffic-information (mip-home-agent-traffic)*>
<!--ATTLIST mip-home-agent-traffic-information junos:style CDATA #IMPLIED-->

<!ELEMENT mip-home-agent-virtual-network (mip-home-agent | registration-lifetime
| time-tolerance | addr-pool | number-of-mn | mip-home-address | mip-nai |
mip-care-of-address | lifetime-granted | lifetime-remaining)*>

<!ELEMENT mip-home-agent-virtual-network-information
(mip-home-agent-virtual-network)*>
<!--ATTLIST mip-home-agent-virtual-network-information junos:style CDATA #IMPLIED-->

<!ELEMENT mip-memory (mip-memory-size | mip-memory-file-name |
mip-memory-line-number | mip-memory-allocated-memory)*>

<!ELEMENT mip-memory-allocated-memory (#PCDATA)>

<!ELEMENT mip-memory-file-name (#PCDATA)>

<!ELEMENT mip-memory-information (mip-memory)*>
<!--ATTLIST mip-memory-information junos:style CDATA #IMPLIED-->

<!ELEMENT mip-memory-line-number (#PCDATA)>

<!ELEMENT mip-memory-size (#PCDATA)>

<!ELEMENT mip-nai (#PCDATA)>

<!ELEMENT mip-statistics-information (registration-request-received |
registration-request-accepted | registration-request-rejected)*>

<!ELEMENT mip-traffic (request-received | request-forwarded | request-denied |
replies-received | replies-forwarded | replies-denied | unspecified |
ha-unreachable | administrative-prohibited | no-resource | bad-lifetime |
bad-request | unavailable-encapsulation | unavailable-reverse-tunnel | failed-mn
| failed-ha | unknown-challenge | missing-challenge | stale-challenge)*>

<!ELEMENT mip-traffic-information (mip-traffic)*>
<!--ATTLIST mip-traffic-information junos:style CDATA #IMPLIED-->

<!ELEMENT mip-tunnel (mip-tunnel-source | mip-tunnel-destination |
mip-tunnel-type)*>

<!ELEMENT mip-tunnel-destination (#PCDATA)>

<!ELEMENT mip-tunnel-information (mip-tunnel)*>
<!--ATTLIST mip-tunnel-information junos:style CDATA #IMPLIED-->

<!ELEMENT mip-tunnel-source (#PCDATA)>

<!ELEMENT mip-tunnel-type (#PCDATA)>

<!ELEMENT mip-violation (mip-nai | mip-home-address | mip-violation-code |
mip-violation-time | mip-violation-spi | mip-violation-error-code |
mip-violation-reason | mip-violation-count-per-peer | mip-violation-total-count)*>

<!ELEMENT mip-violation-code (#PCDATA)>

```

```
<!ELEMENT mip-violation-count-per-peer (#PCDATA)>

<!ELEMENT mip-violation-error-code (#PCDATA)>

<!ELEMENT mip-violation-information (mip-violation)*>
<!--ATTLIST mip-violation-information junos:style CDATA #IMPLIED-->

<!ELEMENT mip-violation-reason (#PCDATA)>

<!ELEMENT mip-violation-spi (#PCDATA)>

<!ELEMENT mip-violation-time (#PCDATA)>

<!ELEMENT mip-violation-total-count (#PCDATA)>

<!ELEMENT mip-visitor (mip-nai | mip-home-address | mip-home-agent |
mip-care-of-address | mip-visitor-time-requested | mip-visitor-time-allotted |
mip-visitor-time-remaining | mip-visitor-count | mip-visitor-pending-count)*>

<!ELEMENT mip-visitor-count (#PCDATA)>

<!ELEMENT mip-visitor-information (mip-visitor)*>
<!--ATTLIST mip-visitor-information junos:style CDATA #IMPLIED-->

<!ELEMENT mip-visitor-pending-count (#PCDATA)>

<!ELEMENT mip-visitor-time-allotted (#PCDATA)>

<!ELEMENT mip-visitor-time-remaining (#PCDATA)>

<!ELEMENT mip-visitor-time-requested (#PCDATA)>

<!ELEMENT mip-wimax-release (release)*>

<!ELEMENT mip-wimax-release-information (mip-wimax-release)*>
<!--ATTLIST mip-wimax-release-information junos:style CDATA #IMPLIED-->

<!ELEMENT missing-challenge (#PCDATA)>

<!ELEMENT no-resource (#PCDATA)>

<!ELEMENT number-of-mn (#PCDATA)>

<!ELEMENT range (#PCDATA)>

<!ELEMENT registration-lifetime (#PCDATA)>

<!ELEMENT registration-request-accepted (#PCDATA)>

<!ELEMENT registration-request-received (#PCDATA)>

<!ELEMENT registration-request-rejected (#PCDATA)>

<!ELEMENT release (#PCDATA)>

<!ELEMENT replies-denied (#PCDATA)>

<!ELEMENT replies-forwarded (#PCDATA)>

<!ELEMENT replies-received (#PCDATA)>
```



```
<!ELEMENT request-denied (#PCDATA)>
<!ELEMENT request-forwarded (#PCDATA)>
<!ELEMENT request-received (#PCDATA)>
<!ELEMENT revocation-inform (#PCDATA)>
<!ELEMENT revocation-support (#PCDATA)>
<!ELEMENT service-enabled-on (interface-name)*>
<!ELEMENT session-id (#PCDATA)>
<!ELEMENT stale-challenge (#PCDATA)>
<!ELEMENT start-addr (#PCDATA)>
<!ELEMENT state (#PCDATA)>
<!ELEMENT status (#PCDATA)>
<!ELEMENT time-tolerance (#PCDATA)>
<!ELEMENT too-many-bindings (#PCDATA)>
<!ELEMENT tunnel-destination (#PCDATA)>
<!ELEMENT tunnel-id (#PCDATA)>
<!ELEMENT tunnel-source (#PCDATA)>
<!ELEMENT tunnel-type (#PCDATA)>
<!ELEMENT unavailable-encapsulation (#PCDATA)>
<!ELEMENT unavailable-reverse-tunnel (#PCDATA)>
<!ELEMENT unknown-challenge (#PCDATA)>
<!ELEMENT unknown-ha (#PCDATA)>
<!ELEMENT unspecified (#PCDATA)>
```



## CHAPTER 60

# DTD for MPLS OAM Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-mplsamd.dtd`, which lists the Junos XML tags that contain information about MPLS OAM. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-mplsamd.dtd -->

<!ELEMENT address (#PCDATA)>

<!ELEMENT address-range-index (#PCDATA)>

<!ELEMENT count (#PCDATA)>

<!ELEMENT database (#PCDATA)>

<!ELEMENT date-time (#PCDATA)>
<ATTLIST date-time junos:seconds CDATA #IMPLIED>

<!ELEMENT depth (#PCDATA)>

<!ELEMENT fec (fec-prefix)*>

<!ELEMENT fec-prefix (#PCDATA)>

<!ELEMENT high-address (#PCDATA)>

<!ELEMENT instance (count)*>

<!ELEMENT interface (#PCDATA)>

<!ELEMENT label-depth (#PCDATA)>

<!ELEMENT label-protocol (#PCDATA)>

<!ELEMENT label-value (#PCDATA)>

<!ELEMENT last-trace-time (date-time)*>

<!ELEMENT low-address (#PCDATA)>

<!ELEMENT mtu (#PCDATA)>
```

```
<!ELEMENT multipath-information (multipath-type | address-range-index | low-address
| high-address)*>

<!ELEMENT multipath-type (#PCDATA)>

<!ELEMENT next-scheduled-trace (timer-expiry)*>

<!ELEMENT options (probe-ttl | probe-retries | probe-wait | probe-paths |
probe-source | probe-destination | probe-exp | probe-fanout)*>

<!ELEMENT parent (#PCDATA)>

<!ELEMENT path-index (#PCDATA)>

<!ELEMENT path-status (#PCDATA)>

<!ELEMENT probe-destination (#PCDATA)>

<!ELEMENT probe-exp (#PCDATA)>

<!ELEMENT probe-fanout (#PCDATA)>

<!ELEMENT probe-options (probe-ttl | probe-retries | probe-wait | probe-paths |
probe-source | probe-destination | probe-exp | probe-fanout)*>

<!ELEMENT probe-paths (#PCDATA)>

<!ELEMENT probe-retries (#PCDATA)>

<!ELEMENT probe-source (#PCDATA)>

<!ELEMENT probe-ttl (#PCDATA)>

<!ELEMENT probe-wait (#PCDATA)>

<!ELEMENT receiver-timestamp (#PCDATA)>
<!ATTLIST receiver-timestamp junos:seconds CDATA #IMPLIED>
<!ATTLIST receiver-timestamp junos:microseconds CDATA #IMPLIED>

<!ELEMENT response-time (#PCDATA)>

<!ELEMENT return-code (#PCDATA)>

<!ELEMENT scan-status (status)*>

<!ELEMENT sender-timestamp (#PCDATA)>
<!ATTLIST sender-timestamp junos:seconds CDATA #IMPLIED>
<!ATTLIST sender-timestamp junos:microseconds CDATA #IMPLIED>

<!ELEMENT status (#PCDATA)>

<!ELEMENT test (#PCDATA)>

<!ELEMENT timer-expiry (#PCDATA)>

<!ELEMENT tracelsp (#PCDATA)>

<!ELEMENT tracelsp-label (label-value | label-depth | label-protocol)*>
<!ATTLIST tracelsp-label junos:style CDATA #IMPLIED>

<!ELEMENT tracelsp-node (depth | label-value | label-protocol | address | parent
```

```
    | response-time | return-code | multipath-type | sender-timestamp |  
receiver-timestamp | status | path-index | path-status | probe-destination | mtu  
    | interface)*>  
<!--ATTLIST tracelsp-node junos:style CDATA #IMPLIED-->
```



## CHAPTER 61

# DTD for MSP Info Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-mspinfo.dtd`, which lists the Junos XML tags that contain information about MSP. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-mspinfo.dtd -->

<!ELEMENT interface-name (#PCDATA)>

<!ELEMENT mspinfo-raw-output (interface-name | raw-output)*>

<!ELEMENT raw-output (#PCDATA)>
```





## CHAPTER 62

# DTD for OAM Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-oam.dtd`, which lists the Junos XML tags that contain information about OAM. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-oam.dtd -->

<!ELEMENT oam-information (oam-interface-information)*>

<!ELEMENT oam-interface-information (oam-interface-name | oam-statistics |
oam-status)*>

<!ELEMENT oam-interface-name (#PCDATA)>

<!ELEMENT oam-keepalive-status (#PCDATA)>

<!ELEMENT oam-pdus-received (#PCDATA)>

<!ELEMENT oam-pdus-transmitted (#PCDATA)>

<!ELEMENT oam-statistics (oam-pdus-received | oam-pdus-transmitted)*>

<!ELEMENT oam-status (oam-keepalive-status)*>
```



## CHAPTER 63

# DTD for Packet Triggered Subscribers Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-packet-triggered-subscribers.dtd`, which lists the Junos XML tags that contain information about packet triggered subscribers. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-packet-triggered-subscribers.dtd -->

<!ELEMENT a-f (#PCDATA)>

<!ELEMENT a-fc (#PCDATA)>

<!ELEMENT a-fu (#PCDATA)>

<!ELEMENT a-p-bw (#PCDATA)>

<!ELEMENT a-p-i (#PCDATA)>

<!ELEMENT a-p-mbs (#PCDATA)>

<!ELEMENT a-s (#PCDATA)>

<!ELEMENT agl (#PCDATA)>

<!ELEMENT anl (#PCDATA)>

<!ELEMENT application-id (#PCDATA)>

<!ELEMENT attribute-name (#PCDATA)>

<!ELEMENT attribute-value (#PCDATA)>

<!ELEMENT bytes (#PCDATA)>

<!ELEMENT clear-session-result (num-logout-initiated)*>

<!ELEMENT client-id (#PCDATA)>

<!ELEMENT d (#PCDATA)>

<!ELEMENT extra-statistics (statistics-string)*>
```

```
<!ELEMENT fast-sync-in-progress (#PCDATA)>

<!ELEMENT first-down-pic-client-id (#PCDATA)>

<!ELEMENT five-tuple (#PCDATA)>

<!ELEMENT flows (five-tuple | application-id | policy-name | policy-action |
policy-direction | packets | bytes)*>

<!ELEMENT full-sync-in-progress (#PCDATA)>

<!ELEMENT hwm (#PCDATA)>

<!ELEMENT input-bps (#PCDATA)>

<!ELEMENT input-bytes (#PCDATA)>

<!ELEMENT input-packets (#PCDATA)>

<!ELEMENT input-pps (#PCDATA)>

<!ELEMENT interface (#PCDATA)>

<!ELEMENT login-time (#PCDATA)>

<!ELEMENT lph (#PCDATA)>

<!ELEMENT lpl (#PCDATA)>

<!ELEMENT message (#PCDATA)>

<!ELEMENT name-id (#PCDATA)>

<!ELEMENT nanl (#PCDATA)>

<!ELEMENT num-aaa-received (#PCDATA)>

<!ELEMENT num-aar-queued (#PCDATA)>

<!ELEMENT num-aar-send-failure (#PCDATA)>

<!ELEMENT num-aar-timeout (#PCDATA)>

<!ELEMENT num-aca-queued (#PCDATA)>

<!ELEMENT num-aca-send-failure (#PCDATA)>

<!ELEMENT num-accounting-request-send-failure (#PCDATA)>

<!ELEMENT num-acctounting-off (#PCDATA)>

<!ELEMENT num-acctounting-on (#PCDATA)>

<!ELEMENT num-acctounting-start-response (#PCDATA)>

<!ELEMENT num-acctounting-stop-response (#PCDATA)>

<!ELEMENT num-acr-received (#PCDATA)>

<!ELEMENT num-asa-queued (#PCDATA)>
```

```
<!ELEMENT num-asa-send-failure (#PCDATA)>

<!ELEMENT num-asr-received (#PCDATA)>

<!ELEMENT num-clients (#PCDATA)>

<!ELEMENT num-connection-up-event (#PCDATA)>

<!ELEMENT num-data-sessions (#PCDATA)>

<!ELEMENT num-diameterd-connected (#PCDATA)>

<!ELEMENT num-diameterd-disconnected (#PCDATA)>

<!ELEMENT num-down-pic-clients (#PCDATA)>

<!ELEMENT num-fast-sync-abort (#PCDATA)>

<!ELEMENT num-fast-sync-queued (#PCDATA)>

<!ELEMENT num-full-sync-abort (#PCDATA)>

<!ELEMENT num-idle-timeout-update (#PCDATA)>

<!ELEMENT num-idle-timeout-update-send-failure (#PCDATA)>

<!ELEMENT num-interim-acctounting-response (#PCDATA)>

<!ELEMENT num-invalid-acctounting-start (#PCDATA)>

<!ELEMENT num-invalid-acctounting-stop (#PCDATA)>

<!ELEMENT num-invalid-interim-acctounting (#PCDATA)>

<!ELEMENT num-login-done (#PCDATA)>

<!ELEMENT num-login-done-send-failure (#PCDATA)>

<!ELEMENT num-login-retry (#PCDATA)>

<!ELEMENT num-logout-initiated (#PCDATA)>

<!ELEMENT num-logout-request-send-failure (#PCDATA)>

<!ELEMENT num-logout-request-timeout (#PCDATA)>

<!ELEMENT num-outstanding-diameter-message (#PCDATA)>

<!ELEMENT num-pconn (#PCDATA)>

<!ELEMENT num-pending-response (#PCDATA)>

<!ELEMENT num-pic-login (#PCDATA)>

<!ELEMENT num-pic-logout (#PCDATA)>

<!ELEMENT num-pic-logout-response (#PCDATA)>

<!ELEMENT num-policy-change (#PCDATA)>
```

```
<!ELEMENT num-policy-change-response (#PCDATA)>
<!ELEMENT num-ppa-queued (#PCDATA)>
<!ELEMENT num-ppa-send-failure (#PCDATA)>
<!ELEMENT num-ppr-received (#PCDATA)>
<!ELEMENT num-pre-announcement (#PCDATA)>
<!ELEMENT num-pre-announcement-send-failure (#PCDATA)>
<!ELEMENT num-queued-diameter-task (#PCDATA)>
<!ELEMENT num-queued-pic-task (#PCDATA)>
<!ELEMENT num-response-timeout (#PCDATA)>
<!ELEMENT num-sending-message (#PCDATA)>
<!ELEMENT num-sending-queue-full (#PCDATA)>
<!ELEMENT num-sending-timeout (#PCDATA)>
<!ELEMENT num-service-request-send-failure (#PCDATA)>
<!ELEMENT num-service-request-timeout (#PCDATA)>
<!ELEMENT num-services (#PCDATA)>
<!ELEMENT num-src-logout (#PCDATA)>
<!ELEMENT num-srq-fast-sync (#PCDATA)>
<!ELEMENT num-srq-full-sync (#PCDATA)>
<!ELEMENT num-srq-queued (#PCDATA)>
<!ELEMENT num-srq-send-failure (#PCDATA)>
<!ELEMENT num-srq-single-sync (#PCDATA)>
<!ELEMENT num-srq-timeout (#PCDATA)>
<!ELEMENT num-srr-failure (#PCDATA)>
<!ELEMENT num-srr-queued (#PCDATA)>
<!ELEMENT num-srr-received (#PCDATA)>
<!ELEMENT num-srr-send-failure (#PCDATA)>
<!ELEMENT num-sta-received (#PCDATA)>
<!ELEMENT num-statistics-polling (#PCDATA)>
<!ELEMENT num-str-queued (#PCDATA)>
<!ELEMENT num-str-send-failure (#PCDATA)>
<!ELEMENT num-str-timeout (#PCDATA)>
```

```

<!ELEMENT num-sync-aaa-received (#PCDATA)>

<!ELEMENT num-sync-aar-queued (#PCDATA)>

<!ELEMENT num-sync-aar-send-failure (#PCDATA)>

<!ELEMENT num-sync-aar-timeout (#PCDATA)>

<!ELEMENT num-sync-request (#PCDATA)>

<!ELEMENT num-sync-sta-received (#PCDATA)>

<!ELEMENT num-sync-start (#PCDATA)>

<!ELEMENT num-sync-str-queued (#PCDATA)>

<!ELEMENT num-sync-str-send-failure (#PCDATA)>

<!ELEMENT num-sync-str-timeout (#PCDATA)>

<!ELEMENT num-tagging (#PCDATA)>

<!ELEMENT num-update-username (#PCDATA)>

<!ELEMENT num-username-update-send-failure (#PCDATA)>

<!ELEMENT num-valid-acctounting-start (#PCDATA)>

<!ELEMENT num-valid-acctounting-stop (#PCDATA)>

<!ELEMENT num-valid-interim-acctounting (#PCDATA)>

<!ELEMENT num-waiting-message (#PCDATA)>

<!ELEMENT output-bps (#PCDATA)>

<!ELEMENT output-bytes (#PCDATA)>

<!ELEMENT output-packets (#PCDATA)>

<!ELEMENT output-pps (#PCDATA)>

<!ELEMENT p (#PCDATA)>

<!ELEMENT packet-triggered-subscribers-information (message | process-status |
subscriber-session-summary | subscriber-session | session-statistics |
extra-statistics | subscriber-policy | subscriber-flows | subscriber-bandwidth |
clear-session-result)*>

<!ELEMENT packets (#PCDATA)>

<!ELEMENT partition (#PCDATA)>

<!ELEMENT pic-name (#PCDATA)>

<!ELEMENT pic-status (pic-name | num-pic-login | num-pic-logout-response |
num-login-done | num-pic-logout | num-policy-change | num-policy-change-response
| num-src-logout | num-statistics-polling | num-sync-start | num-sync-request |
num-update-username | num-connection-up-event | num-queued-pic-task |
num-pending-response | num-service-request-timeout | num-logout-request-timeout

```

```

| num-logout-request-send-failure | num-service-request-send-failure |
num-accounting-request-send-failure | num-login-done-send-failure |
num-username-update-send-failure | num-pre-announcement |
num-pre-announcement-send-failure | num-idle-timeout-update |
num-idle-timeout-update-send-failure)*>

<!ELEMENT policy-action (#PCDATA)>

<!ELEMENT policy-attribute (attribute-name | attribute-value)*>

<!ELEMENT policy-direction (#PCDATA)>

<!ELEMENT policy-name (#PCDATA)>

<!ELEMENT process-status (num-clients | num-down-pic-clients |
first-down-pic-client-id | src-connection-state | num-srr-received |
num-ppr-received | num-asr-received | num-acr-received | num-aaa-received |
num-sta-received | num-sync-aaa-received | num-sync-sta-received | num-srr-queued
| num-srq-queued | num-aar-queued | num-ppa-queued | num-str-queued |
num-asa-queued | num-aca-queued | num-sync-aar-queued | num-sync-str-queued |
num-sending-message | num-waiting-message | num-sending-queue-full |
num-sending-timeout | num-response-timeout | num-sync-aar-timeout |
num-sync-str-timeout | num-aar-timeout | num-str-timeout | num-srq-timeout |
num-aar-send-failure | num-asa-send-failure | num-aca-send-failure |
num-ppa-send-failure | num-str-send-failure | num-srq-send-failure |
num-srr-send-failure | num-sync-aar-send-failure | num-sync-str-send-failure |
num-srq-full-sync | num-srq-fast-sync | num-srq-single-sync | num-fast-sync-queued
| num-queued-diameter-task | fast-sync-in-progress | full-sync-in-progress |
num-full-sync-abort | num-fast-sync-abort | num-outstanding-diameter-message |
num-login-retry | num-diameterd-connected | num-diameterd-disconnected |
num-srr-failure | num-pconn | pic-status | radius-partition-status)*>

<!ELEMENT ra (#PCDATA)>

<!ELEMENT radius-partition-status (partition | num-valid-acctounting-start |
num-valid-acctounting-stop | num-valid-interim-acctounting |
num-invalid-acctounting-start | num-invalid-acctounting-stop |
num-invalid-interim-acctounting | num-acctounting-on | num-acctounting-off |
num-acctounting-start-response | num-acctounting-stop-response |
num-interim-acctounting-response | num-tagging)*>

<!ELEMENT radius-policy (policy-attribute)*>

<!ELEMENT rm (#PCDATA)>

<!ELEMENT routing-instance (#PCDATA)>

<!ELEMENT rph (#PCDATA)>

<!ELEMENT rp1 (#PCDATA)>

<!ELEMENT rpr (#PCDATA)>

<!ELEMENT service-interface (#PCDATA)>

<!ELEMENT service-policy (policy-name | rpr | d | term)*>

<!ELEMENT service-session (policy-name | service-state)*>

<!ELEMENT service-state (#PCDATA)>

```



```
<!ELEMENT session-statistics (session-type | name-id | input-bytes | output-bytes
| input-packets | output-packets)*>

<!ELEMENT session-type (#PCDATA)>

<!ELEMENT src-connection-state (#PCDATA)>

<!ELEMENT statistics-string (#PCDATA)>

<!ELEMENT subscriber-bandwidth (client-id | input-bps | output-bps | input-pps |
output-pps)*>

<!ELEMENT subscriber-flows (client-id | num-data-sessions | hwm | flows)*>

<!ELEMENT subscriber-policy (client-id | service-policy | radius-policy)*>

<!ELEMENT subscriber-session (username | user-ip-address | interface |
service-interface | subscriber-state | login-time | routing-instance | partition
| num-services | client-id | service-session)*>
<!ATTLIST subscriber-session junos:style CDATA #IMPLIED>

<!ELEMENT subscriber-session-summary (num-clients)*>

<!ELEMENT subscriber-state (#PCDATA)>

<!ELEMENT template-name (#PCDATA)>

<!ELEMENT term (template-name | tpr | ra | rm | lpl | lph | rpl | rph | p | anl
| agl | nanl | a-f | a-s | a-fc | a-p-i | a-p-bw | a-p-mbs | a-fu)*>

<!ELEMENT tpr (#PCDATA)>

<!ELEMENT user-ip-address (#PCDATA)>

<!ELEMENT username (#PCDATA)>
```



# DTD for Passive Monitoring Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-passive-monitoring.dtd`, which lists the Junos XML tags that contain information about passive monitoring. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-passive-monitoring.dtd -->

<!ELEMENT active-flows (#PCDATA)>

<!ELEMENT allocation-count (#PCDATA)>

<!ELEMENT allocations-per-second (#PCDATA)>

<!ELEMENT error-allocation-failures (#PCDATA)>

<!ELEMENT error-bytes-per-second-overload (#PCDATA)>

<!ELEMENT error-free-failures (#PCDATA)>

<!ELEMENT error-free-list-failures (#PCDATA)>

<!ELEMENT error-information (error-packets-dropped-no-memory |
error-packets-dropped-not-ip | error-packets-dropped-not-ipv4 |
error-packets-too-small | error-allocation-failures | error-free-failures |
error-free-list-failures | error-memory-warning | error-memory-overload |
error-packets-per-second-overload | error-bytes-per-second-overload)*>

<!ELEMENT error-memory-overload (#PCDATA)>

<!ELEMENT error-memory-warning (#PCDATA)>

<!ELEMENT error-packets-dropped-no-memory (#PCDATA)>

<!ELEMENT error-packets-dropped-not-ip (#PCDATA)>

<!ELEMENT error-packets-dropped-not-ipv4 (#PCDATA)>

<!ELEMENT error-packets-per-second-overload (#PCDATA)>

<!ELEMENT error-packets-too-small (#PCDATA)>
```

```
<!ELEMENT five-second-load (#PCDATA)>

<!ELEMENT flow-bytes (#PCDATA)>

<!ELEMENT flow-bytes-ten-second-rate (#PCDATA)>

<!ELEMENT flow-information (flow-packets | flow-bytes |
flow-packets-ten-second-rate | flow-bytes-ten-second-rate | active-flows | flows
| flows-exported | flow-packets-exported | flows-expired | flows-aged)*>

<!ELEMENT flow-packets (#PCDATA)>

<!ELEMENT flow-packets-exported (#PCDATA)>

<!ELEMENT flow-packets-ten-second-rate (#PCDATA)>

<!ELEMENT flows (#PCDATA)>

<!ELEMENT flows-aged (#PCDATA)>

<!ELEMENT flows-expired (#PCDATA)>

<!ELEMENT flows-exported (#PCDATA)>

<!ELEMENT free-count (#PCDATA)>

<!ELEMENT frees-per-second (#PCDATA)>

<!ELEMENT interface-name (#PCDATA)>

<!ELEMENT inttime (#PCDATA)>

<!ELEMENT local-index (#PCDATA)>

<!ELEMENT maximum-allocated (#PCDATA)>

<!ELEMENT memory-free (#PCDATA)>

<!ELEMENT memory-information (allocation-count | free-count | maximum-allocated
| allocations-per-second | frees-per-second | memory-used | memory-free)*>

<!ELEMENT memory-used (#PCDATA)>

<!ELEMENT one-minute-load (#PCDATA)>

<!ELEMENT passive-monitoring-information (interface-name | local-index | pic-status
| usage-information | memory-information | flow-information | error-information
| status-information)*>

<!ELEMENT pic-status (#PCDATA)>

<!ELEMENT status-as-count (#PCDATA)>

<!ELEMENT status-engine-id (#PCDATA)>

<!ELEMENT status-engine-type (#PCDATA)>

<!ELEMENT status-export-format (#PCDATA)>

<!ELEMENT status-export-interval (#PCDATA)>
```

```
<![ELEMENT status-group-index (#PCDATA)]>

<![ELEMENT status-ifl-snmp-map-count (#PCDATA)]>

<![ELEMENT status-information (status-group-index | status-export-interval |
status-export-format | status-proto | status-engine-type | status-engine-id |
status-route-record-count | status-ifl-snmp-map-count | status-as-count |
status-monitor-time-set | status-monitor-config-set |
status-monitor-route-record-set | status-monitor-ifl-snmp-set)*]>

<![ELEMENT status-monitor-config-set (#PCDATA)]>

<![ELEMENT status-monitor-ifl-snmp-set (#PCDATA)]>

<![ELEMENT status-monitor-route-record-set (#PCDATA)]>

<![ELEMENT status-monitor-time-set (#PCDATA)]>

<![ELEMENT status-proto (#PCDATA)]>

<![ELEMENT status-route-record-count (#PCDATA)]>

<![ELEMENT uptime (#PCDATA)]>

<![ELEMENT usage-information (uptime | inttime | five-second-load |
one-minute-load)*]>
```



## CHAPTER 65

# DTD for PGM Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-pgm.dtd`, which lists the Junos XML tags that contain information about PGM. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-pgm.dtd -->

<!ELEMENT bad-checksum (#PCDATA)>

<!ELEMENT bad-nak-family (#PCDATA)>

<!ELEMENT bad-nak-length (#PCDATA)>

<!ELEMENT bad-ncf-family (#PCDATA)>

<!ELEMENT bad-ncf-length (#PCDATA)>

<!ELEMENT bad-rdata-length (#PCDATA)>

<!ELEMENT bad-spm-family (#PCDATA)>

<!ELEMENT bad-spm-length (#PCDATA)>

<!ELEMENT bad-tsdu-length (#PCDATA)>

<!ELEMENT clear-pgm-nak EMPTY>

<!ELEMENT clear-pgm-spm EMPTY>

<!ELEMENT clear-pgm-statistics EMPTY>

<!ELEMENT errors (short-pgm-header | bad-checksum | zero-checksum | bad-tsdu-length
| bad-spm-length | bad-spm-family | bad-nak-length | bad-nak-family |
nak-unknown-tsi | nak-throttled | bad-ncf-length | bad-ncf-family | ncf-unknown-tsi
| bad-rdata-length | rdata-unknown-tsi | odata-with-ra)*>

<!ELEMENT nak (received | sent)*>

<!ELEMENT nak-throttled (#PCDATA)>

<!ELEMENT nak-unknown-tsi (#PCDATA)>
```

```
<!ELEMENT ncf (received | sent)*>

<!ELEMENT ncf-unknown-tsi (#PCDATA)>

<!ELEMENT nullnak (received | sent)*>

<!ELEMENT odata-with-ra (#PCDATA)>

<!ELEMENT other (received | sent)*>

<!ELEMENT packet-counters (spm | poll | polr | rdata | nak | nullnak | ncf | spmr
| other | errors)*>

<!ELEMENT pgm-nak-group (#PCDATA)>

<!ELEMENT pgm-nak-interface (pgm-nak-interface-name | pgm-nak-interface-sender)*>

<!ELEMENT pgm-nak-interface-name (#PCDATA)>

<!ELEMENT pgm-nak-interface-sender (#PCDATA)>

<!ELEMENT pgm-nak-sequence (#PCDATA)>

<!ELEMENT pgm-nak-source (#PCDATA)>

<!ELEMENT pgm-spm-gsid (#PCDATA)>

<!ELEMENT pgm-spm-information (pgm-spm-tsi)*>
<!-- ATTENTION: junos:style CDATA #IMPLIED -->

<!ELEMENT pgm-spm-lead (#PCDATA)>

<!ELEMENT pgm-spm-nak (pgm-nak-sequence | pgm-nak-source | pgm-nak-group |
pgm-nak-interface)*>

<!ELEMENT pgm-spm-nla (#PCDATA)>

<!ELEMENT pgm-spm-seq (#PCDATA)>

<!ELEMENT pgm-spm-sport (#PCDATA)>

<!ELEMENT pgm-spm-trail (#PCDATA)>

<!ELEMENT pgm-spm-tsi (pgm-spm-gsid | pgm-spm-sport | pgm-spm-seq | pgm-spm-trail
| pgm-spm-lead | pgm-spm-nla | pgm-spm-nak)*>

<!ELEMENT pgm-statistics-information (packet-counters)*>

<!ELEMENT poll (received | sent)*>

<!ELEMENT polr (received | sent)*>

<!ELEMENT rdata (received | sent)*>

<!ELEMENT rdata-unknown-tsi (#PCDATA)>

<!ELEMENT received (#PCDATA)>

<!ELEMENT sent (#PCDATA)>

<!ELEMENT short-pgm-header (#PCDATA)>
```



<!ELEMENT spm (received | sent)\*>

<!ELEMENT spmr (received | sent)\*>

<!ELEMENT zero-checksum (#PCDATA)>



## CHAPTER 66

# DTD for PKI Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-pki.dtd`, which lists the Junos XML tags that contain information about PKI. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-pki.dtd -->

<!ELEMENT alternate-subject (#PCDATA)>

<!ELEMENT alternate-subject-list (alternate-subject)*>

<!ELEMENT auto-re-enrollment (auto-re-enrollment-status |
auto-re-enrollment-next-trigger-time)*>

<!ELEMENT auto-re-enrollment-next-trigger-time (#PCDATA)>

<!ELEMENT auto-re-enrollment-status (#PCDATA)>

<!ELEMENT ca-certificate-enroll (ca-subject | fingerprint)*>

<!ELEMENT ca-certificate-enroll-list (ca-certificate-enroll-msg |
ca-certificate-enroll)*>

<!ELEMENT ca-certificate-enroll-msg (#PCDATA)>

<!ELEMENT ca-file (#PCDATA)>

<!ELEMENT ca-name (#PCDATA)>

<!ELEMENT ca-profile-name (#PCDATA)>

<!ELEMENT ca-subject (#PCDATA)>

<!ELEMENT cert-ca-load-status (cert-ca-profile)*>

<!ELEMENT cert-ca-manual-load (fingerprint)*>

<!ELEMENT cert-ca-profile (#PCDATA)>

<!ELEMENT cert-certificate-id (#PCDATA)>

<!ELEMENT cert-flag-info (cert-flag-trust | cert-flag-root)*>
```

```
<!ELEMENT cert-flag-root (#PCDATA)>

<!ELEMENT cert-flag-trust (#PCDATA)>

<!ELEMENT cert-key-pair (cert-key-pair-name | cert-key-pair-size)*>

<!ELEMENT cert-key-pair-name (#PCDATA)>

<!ELEMENT cert-key-pair-size (#PCDATA)>

<!ELEMENT cert-load-status (cert-certificate-id)*>

<!ELEMENT cert-request-dump (cert-request-dump-msg | cert-request-dump-file |
fingerprint)*>

<!ELEMENT cert-request-dump-file (cert-request-dump-file-content)*>

<!ELEMENT cert-request-dump-file-content (#PCDATA)>

<!ELEMENT cert-request-dump-msg (#PCDATA)>

<!ELEMENT cert-verification-status (#PCDATA)>

<!ELEMENT certificate-alternate-subject (#PCDATA)>

<!ELEMENT certificate-cache-entry (#PCDATA)>

<!ELEMENT certificate-dns (#PCDATA)>

<!ELEMENT certificate-subject (#PCDATA)>

<!ELEMENT certificate-type (#PCDATA)>

<!ELEMENT common-name (#PCDATA)>

<!ELEMENT country-name (#PCDATA)>

<!ELEMENT crl-issuer (#PCDATA)>

<!ELEMENT crl-issuer-alternate-subject (#PCDATA)>

<!ELEMENT crl-issuer-alternate-subject-list (crl-issuer-alternate-subject)*>

<!ELEMENT crl-issuer-detail (distinguished-name)*>

<!ELEMENT crl-load-status (ca-profile-name)*>

<!ELEMENT crl-number (#PCDATA)>

<!ELEMENT crl-revocation-date (#PCDATA)>

<!ELEMENT crl-revocation-list (revoked-cert-serial-number | crl-revocation-date)*>

<!ELEMENT crl-validity (effective-date | next-update)*>

<!ELEMENT crl-version (#PCDATA)>

<!ELEMENT distinguished-name (organization-name | organizational-unit-name |
country-name | state-or-province-name | locality-name | common-name | email-address
| domain-component)*>
```

```
<!ELEMENT distribution-crl (#PCDATA)>

<!ELEMENT distribution-crl-list (distribution-crl)*>

<!ELEMENT domain-component (#PCDATA)>

<!ELEMENT effective-date (#PCDATA)>

<!ELEMENT email-address (#PCDATA)>

<!ELEMENT encoding (#PCDATA)>

<!ELEMENT fingerprint (fingerprint-hash-algorithm | fingerprint-content)*>

<!ELEMENT fingerprint-content (#PCDATA)>

<!ELEMENT fingerprint-hash-algorithm (#PCDATA)>

<!ELEMENT identifier (#PCDATA)>

<!ELEMENT int-check-verification-status (#PCDATA)>

<!ELEMENT issue-info (recipient | issued-by)*>

<!ELEMENT issued-by (#PCDATA)>

<!ELEMENT issuer (distinguished-name)*>

<!ELEMENT issuer-name (distinguished-name)*>

<!ELEMENT key (#PCDATA)>

<!ELEMENT key-contents (#PCDATA)>

<!ELEMENT key-usage (#PCDATA)>

<!ELEMENT key-usage-list (key-usage)*>

<!ELEMENT load-status (#PCDATA)>

<!ELEMENT locality-name (#PCDATA)>

<!ELEMENT message (#PCDATA)>

<!ELEMENT next-update (#PCDATA)>

<!ELEMENT not-after (#PCDATA)>

<!ELEMENT not-before (#PCDATA)>

<!ELEMENT organization-name (#PCDATA)>

<!ELEMENT organizational-unit-name (#PCDATA)>

<!ELEMENT pki-scep (url | ca-name | ca-file | key | certificate-subject |
certificate-dns | certificate-alternate-subject | encoding | message)*>

<!ELEMENT pki-status (running)*>

<!ELEMENT pkid-status-messages (load-status)*>
```

```
<!ELEMENT pkid-x509-certificate-information (issue-info | serial-number-list |
public-key | fingerprint | public-key-contents-list | alternate-subject-list |
key-usage-list | distribution-crl-list | signature-algorithm | identifier |
validity | version | certificate-type | status | auto-re-enrollment | issuer-name
| subject-name)*>
<!ATTLIST pkid-x509-certificate-information junos:style CDATA #IMPLIED>

<!ELEMENT pkid-x509-certificate-request-information (issue-info |
serial-number-list | public-key | fingerprint | public-key-contents-list |
alternate-subject-list | key-usage-list | signature-algorithm | identifier |
version | status)*>
<!ATTLIST pkid-x509-certificate-request-information junos:style CDATA #IMPLIED>

<!ELEMENT pkid-x509-crl-information (crl-number | crl-revocation-list |
crl-validity | crl-version | crl-issuer | identifier |
crl-issuer-alternate-subject-list)*>
<!ATTLIST pkid-x509-crl-information junos:style CDATA #IMPLIED>

<!ELEMENT public-key (public-key-algorithm | public-key-length |
public-key-verification-status)*>

<!ELEMENT public-key-algorithm (#PCDATA)>

<!ELEMENT public-key-contents-list (key-contents)*>

<!ELEMENT public-key-length (#PCDATA)>

<!ELEMENT public-key-verification-status (#PCDATA)>

<!ELEMENT recipient (#PCDATA)>

<!ELEMENT revoked-cert-serial-number (#PCDATA)>

<!ELEMENT running EMPTY>

<!ELEMENT serial-number-list (serial-number-x509)*>

<!ELEMENT serial-number-x509 (#PCDATA)>

<!ELEMENT service-set-info (service-set-name | total-cert-entries)*>

<!ELEMENT service-set-name (#PCDATA)>

<!ELEMENT signature-algorithm (#PCDATA)>

<!ELEMENT state-or-province-name (#PCDATA)>

<!ELEMENT status (#PCDATA)>

<!ELEMENT subject (distinguished-name)*>

<!ELEMENT subject-name (distinguished-name)*>

<!ELEMENT total-cert-entries (#PCDATA)>

<!ELEMENT url (#PCDATA)>

<!ELEMENT validity (not-before | not-after)*>

<!ELEMENT verify-cert-status (cert-verification-status)*>
```

```

<!ELEMENT verify-integrity-status (int-check-verification-status)*>

<!ELEMENT version (#PCDATA)>

<!ELEMENT x509-certificate-cache-info (service-set-info | cert-flag-info |
issue-info | serial-number-list | public-key | fingerprint |
public-key-contents-list | alternate-subject-list | key-usage-list |
distribution-crl-list | signature-algorithm | identifier | validity | version |
certificate-cache-entry)*>
<!ATTLIST x509-certificate-cache-info junos:style CDATA #IMPLIED>

<!ELEMENT x509-certificate-cache-info-list (x509-certificate-cache-info)*>

<!ELEMENT x509-certificate-info (issue-info | serial-number-list | public-key |
fingerprint | public-key-contents-list | alternate-subject-list | key-usage-list
| distribution-crl-list | signature-algorithm | identifier | validity | version
| auto-re-enrollment | certificate-type | status | issuer | subject)*>
<!ATTLIST x509-certificate-info junos:style CDATA #IMPLIED>

<!ELEMENT x509-crl-information (crl-number | crl-revocation-list | crl-validity
| crl-version | crl-issuer | identifier | crl-issuer-alternate-subject-list |
crl-issuer-detail)*>
<!ATTLIST x509-crl-information junos:style CDATA #IMPLIED>

<!ELEMENT x509-pki-certificate-info-list (x509-certificate-info)*>

<!ELEMENT x509-pki-crl-information-list (x509-crl-information)*>

<!ELEMENT x509-pkid-crl-information-list (pkid-x509-crl-information)*>

```





## CHAPTER 67

# DTD for PPM Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-ppm.dtd`, which lists the Junos XML tags that contain information about PPM. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-ppm.dtd -->

<!ELEMENT adjacency-bfd-discriminator (#PCDATA)>

<!ELEMENT adjacency-bfd-routing-table-index (#PCDATA)>

<!ELEMENT adjacency-cfm-source-key (#PCDATA)>

<!ELEMENT adjacency-data (protocol | adjacency-holdtime | adjacency-interface-index
| adjacency-no-absorb | adjacency-no-refresh | adjacency-do-not-age |
adjacency-hello-dropped | adjacency-distributed | adjacency-ospf-src-key |
adjacency-ospf-area-id | adjacency-ospf-transit-area-id |
adjacency-ospf-routing-table-index | adjacency-isis-level | adjacency-isis-sysid
| adjacency-esis-type | adjacency-bfd-discriminator |
adjacency-bfd-routing-table-index | adjacency-host | redirection-data |
adjacency-ldp-source | adjacency-ldp-routing-table-index | adjacency-stp-source-key
| adjacency-cfm-source-key | adjacency-pfe-handle | adjacency-pfe-addr)*>

<!ELEMENT adjacency-distributed EMPTY>

<!ELEMENT adjacency-do-not-age EMPTY>

<!ELEMENT adjacency-esis-type (#PCDATA)>

<!ELEMENT adjacency-hello-dropped EMPTY>

<!ELEMENT adjacency-holdtime (#PCDATA)>

<!ELEMENT adjacency-host (#PCDATA)>

<!ELEMENT adjacency-interface-index (#PCDATA)>

<!ELEMENT adjacency-isis-level (#PCDATA)>

<!ELEMENT adjacency-isis-sysid (#PCDATA)>

<!ELEMENT adjacency-ldp-routing-table-index (#PCDATA)>
```

```
<!ELEMENT adjacency-ldp-source (#PCDATA)>

<!ELEMENT adjacency-no-absorb EMPTY>

<!ELEMENT adjacency-no-refresh EMPTY>

<!ELEMENT adjacency-ospf-area-id (#PCDATA)>

<!ELEMENT adjacency-ospf-routing-table-index (#PCDATA)>

<!ELEMENT adjacency-ospf-src-key (#PCDATA)>

<!ELEMENT adjacency-ospf-transit-area-id (#PCDATA)>

<!ELEMENT adjacency-pfe-addr (#PCDATA)>

<!ELEMENT adjacency-pfe-handle (#PCDATA)>

<!ELEMENT adjacency-stp-source-key (#PCDATA)>

<!ELEMENT connection-data (protocol | logical-system-id | number-adjacencies |
number-transmissions)*>

<!ELEMENT interface-data (interface-key | protocol | interface-index |
interface-distributed | interface-pfe-handle | interface-pfe-addr)*>

<!ELEMENT interface-distributed EMPTY>

<!ELEMENT interface-index (#PCDATA)>

<!ELEMENT interface-key (#PCDATA)>

<!ELEMENT interface-pfe-addr (#PCDATA)>

<!ELEMENT interface-pfe-handle (#PCDATA)>

<!ELEMENT logical-system-id (#PCDATA)>

<!ELEMENT number-adjacencies (#PCDATA)>

<!ELEMENT number-transmissions (#PCDATA)>

<!ELEMENT object-data (protocol | object-id | object-key)*>

<!ELEMENT object-id (#PCDATA)>

<!ELEMENT object-key (#PCDATA)>

<!ELEMENT ppm-adjacencies (adjacency-data | total-adjacencies |
remote-adjacencies)*>
<ATTLIST ppm-adjacencies junos:style CDATA #IMPLIED>

<!ELEMENT ppm-connections (connection-data | total-connections |
remote-connections)*>
<ATTLIST ppm-connections junos:style CDATA #IMPLIED>

<!ELEMENT ppm-interfaces (interface-data | total-interfaces | remote-interfaces)*>
<ATTLIST ppm-interfaces junos:style CDATA #IMPLIED>

<!ELEMENT ppm-objects (object-data | total-objects | remote-objects)*>
```

```
<!ATTLIST ppm-objects junos:style CDATA #IMPLIED>

<!ELEMENT ppm-transmissions (transmission-data | total-transmissions |
remote-transmissions)*>
<!ATTLIST ppm-transmissions junos:style CDATA #IMPLIED>

<!ELEMENT ppmd-rules (rule-data | total-rules)*>
<!ATTLIST ppmd-rules junos:style CDATA #IMPLIED>

<!ELEMENT protocol (#PCDATA)>

<!ELEMENT redirection-data (redirection-type | redirection-rule-type |
redirection-rule-term-src | redirection-rule-term-port |
redirection-rule-term-action)*>

<!ELEMENT redirection-rule-term-action (#PCDATA)>

<!ELEMENT redirection-rule-term-port (#PCDATA)>

<!ELEMENT redirection-rule-term-src (#PCDATA)>

<!ELEMENT redirection-rule-type (#PCDATA)>

<!ELEMENT redirection-type (#PCDATA)>

<!ELEMENT remote-adjacencies (#PCDATA)>

<!ELEMENT remote-connections (#PCDATA)>

<!ELEMENT remote-interfaces (#PCDATA)>

<!ELEMENT remote-objects (#PCDATA)>

<!ELEMENT remote-transmissions (#PCDATA)>

<!ELEMENT rule-data (rule-key-source | rule-key-port | rule-nexthop |
rule-program)*>

<!ELEMENT rule-key-port (#PCDATA)>

<!ELEMENT rule-key-source (#PCDATA)>

<!ELEMENT rule-nexthop (#PCDATA)>

<!ELEMENT rule-program (#PCDATA)>

<!ELEMENT total-adjacencies (#PCDATA)>

<!ELEMENT total-connections (#PCDATA)>

<!ELEMENT total-interfaces (#PCDATA)>

<!ELEMENT total-objects (#PCDATA)>

<!ELEMENT total-rules (#PCDATA)>

<!ELEMENT total-transmissions (#PCDATA)>

<!ELEMENT transmission-data (transmission-destination | protocol |
transmission-interval | transmission-host | transmission-distributed |
transmission-pfe-handle | transmission-pfe-addr)*>
```

```
<!ELEMENT transmission-destination (#PCDATA)>  
<!ELEMENT transmission-distributed EMPTY>  
<!ELEMENT transmission-host (#PCDATA)>  
<!ELEMENT transmission-interval (#PCDATA)>  
<!ELEMENT transmission-pfe-addr (#PCDATA)>  
<!ELEMENT transmission-pfe-handle (#PCDATA)>
```

## CHAPTER 68

# DTD for PPP Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-ppp.dtd`, which lists the Junos XML tags that contain information about PPP. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-ppp.dtd -->

<!ELEMENT assigned-address-list (pool-address-assignment)*>

<!ELEMENT assigned-addresses (#PCDATA)>

<!ELEMENT authentication-algorithm (#PCDATA)>

<!ELEMENT authentication-protocol-name (#PCDATA)>

<!ELEMENT bcp-mac-support (#PCDATA)>

<!ELEMENT bcp-tagged-frame (#PCDATA)>

<!ELEMENT bundles-pending (#PCDATA)>

<!ELEMENT configured-addresses (#PCDATA)>

<!ELEMENT endpoint-discriminator-class (#PCDATA)>

<!ELEMENT endpoint-discriminator-identifier (#PCDATA)>

<!ELEMENT high-address (#PCDATA)>

<!ELEMENT interface-name (#PCDATA)>

<!ELEMENT ipcp-address (local-address | remote-address)*>

<!ELEMENT ipcp-compression-protocol EMPTY>

<!ELEMENT ipcp-primary-dns (#PCDATA)>

<!ELEMENT ipcp-primary-wins (#PCDATA)>

<!ELEMENT ipcp-secondary-dns (#PCDATA)>

<!ELEMENT ipcp-secondary-wins (#PCDATA)>
```

```
<!ELEMENT ipv6cp-interface-identifier (local-interface-identifier |
remote-interface-identifier)*>

<!ELEMENT lcp-address-compression-field-compression EMPTY>

<!ELEMENT lcp-async-map EMPTY>

<!ELEMENT lcp-authentication-protocol (authentication-protocol-name |
authentication-algorithm)*>

<!ELEMENT lcp-endpoint-discriminator (endpoint-discriminator-class |
endpoint-discriminator-identifier)*>

<!ELEMENT lcp-magic-number (#PCDATA)>

<!ELEMENT lcp-mrru (#PCDATA)>

<!ELEMENT lcp-mru (#PCDATA)>

<!ELEMENT lcp-multilink-header (multilink-header-code |
multilink-header-suspendable-classes)*>

<!ELEMENT lcp-protocol-field-compression EMPTY>

<!ELEMENT lcp-short-sequence EMPTY>

<!ELEMENT local-address (#PCDATA)>

<!ELEMENT local-interface-identifier (#PCDATA)>

<!ELEMENT low-address (#PCDATA)>

<!ELEMENT multilink-header-code (#PCDATA)>

<!ELEMENT multilink-header-suspendable-classes (#PCDATA)>

<!ELEMENT pool-address (#PCDATA)>

<!ELEMENT pool-address-assignment (pool-address | session-name |
pool-address-blocked)*>

<!ELEMENT pool-address-blocked EMPTY>

<!ELEMENT pool-address-list (pool-address)*>

<!ELEMENT pool-name (#PCDATA)>

<!ELEMENT pool-range (low-address | high-address)*>

<!ELEMENT ppp-address-pool-information (pool-name | assigned-addresses |
configured-addresses | pool-range | pool-address-list | assigned-address-list)*>

<!ELEMENT ppp-auth-proto (#PCDATA)>

<!ELEMENT ppp-auth-protocol-information (ppp-state | ppp-last-started |
ppp-last-completed | ppp-auth-proto)*>
<!ATTLIST ppp-auth-protocol-information junos:style CDATA #IMPLIED>

<!ELEMENT ppp-destination-profile (pool-name)*>
```

```

<!ELEMENT ppp-interface-information (interface-name | ppp-session)*>
<!ATTLIST ppp-interface-information junos:style CDATA #IMPLIED>

<!ELEMENT ppp-last-completed (#PCDATA)>
<!ATTLIST ppp-last-completed junos:seconds CDATA #IMPLIED>

<!ELEMENT ppp-last-started (#PCDATA)>
<!ATTLIST ppp-last-started junos:seconds CDATA #IMPLIED>

<!ELEMENT ppp-memory-statistics (ppp-memory-tag)*>

<!ELEMENT ppp-memory-tag (ppp-memory-tag-name | ppp-memory-tag-size |
ppp-memory-tag-active | ppp-memory-tag-free | ppp-memory-tag-maximum-free |
ppp-memory-tag-requests | ppp-memory-tag-failures | ppp-memory-tag-total)*>

<!ELEMENT ppp-memory-tag-active (#PCDATA)>

<!ELEMENT ppp-memory-tag-failures (#PCDATA)>

<!ELEMENT ppp-memory-tag-free (#PCDATA)>

<!ELEMENT ppp-memory-tag-maximum-free (#PCDATA)>

<!ELEMENT ppp-memory-tag-name (#PCDATA)>

<!ELEMENT ppp-memory-tag-requests (#PCDATA)>

<!ELEMENT ppp-memory-tag-size (#PCDATA)>

<!ELEMENT ppp-memory-tag-total (#PCDATA)>

<!ELEMENT ppp-negotiated-options (ipcp-address | ipcp-compression-protocol |
ipcp-primary-dns | ipcp-primary-wins | ipcp-secondary-dns | ipcp-secondary-wins
| ipv6cp-interface-identifier | bcp-mac-support | bcp-tagged-frame |
lcp-address-compression-field-compression | lcp-async-map |
lcp-authentication-protocol | lcp-endpoint-discriminator | lcp-magic-number |
lcp-mrru | lcp-mru | lcp-multilink-header | lcp-protocol-field-compression |
lcp-short-sequence)*>

<!ELEMENT ppp-protocol (#PCDATA)>

<!ELEMENT ppp-session (session-name | session-type | session-phase | session-flags
| ppp-last-started | ppp-last-completed | ppp-auth-protocol-information |
ppp-session-protocol-information)*>

<!ELEMENT ppp-session-protocol-information (ppp-state | ppp-last-started |
ppp-last-completed | ppp-protocol | ppp-destination-profile |
ppp-negotiated-options)*>
<!ATTLIST ppp-session-protocol-information junos:style CDATA #IMPLIED>

<!ELEMENT ppp-session-statistics (sessions-total | sessions-disabled |
sessions-establish | sessions-authenticate | sessions-network | bundles-pending)*>

<!ELEMENT ppp-state (#PCDATA)>

<!ELEMENT ppp-statistics-information (ppp-session-statistics |
ppp-memory-statistics | ppp-subscriber-statistics)*>
<!ATTLIST ppp-statistics-information junos:style CDATA #IMPLIED>

<!ELEMENT ppp-subscriber-memory-pool (ppp-subscriber-memory-pool-name |
ppp-subscriber-memory-pool-entry-size | ppp-subscriber-memory-pool-entries |

```

```
ppp-subscriber-memory-pool-free | ppp-subscriber-memory-pool-maximum-free |
ppp-subscriber-memory-pool-requests | ppp-subscriber-memory-pool-failures |
ppp-subscriber-memory-pool-total)*>

<!ELEMENT ppp-subscriber-memory-pool-entries (#PCDATA)>

<!ELEMENT ppp-subscriber-memory-pool-entry-size (#PCDATA)>

<!ELEMENT ppp-subscriber-memory-pool-failures (#PCDATA)>

<!ELEMENT ppp-subscriber-memory-pool-free (#PCDATA)>

<!ELEMENT ppp-subscriber-memory-pool-maximum-free (#PCDATA)>

<!ELEMENT ppp-subscriber-memory-pool-name (#PCDATA)>

<!ELEMENT ppp-subscriber-memory-pool-requests (#PCDATA)>

<!ELEMENT ppp-subscriber-memory-pool-total (#PCDATA)>

<!ELEMENT ppp-subscriber-memory-statistics (ppp-subscriber-memory-pool)*>

<!ELEMENT ppp-subscriber-session-statistics (subscriber-sessions-total |
subscriber-sessions-disabled | subscriber-sessions-establish |
subscriber-sessions-authenticate | subscriber-sessions-network)*>

<!ELEMENT ppp-subscriber-statistics (ppp-subscriber-session-statistics |
ppp-subscriber-memory-statistics)*>

<!ELEMENT ppp-subscriber-summary-information (ppp-session)*>

<!ELEMENT ppp-subscriber-summary-noheader-information (ppp-session)*>

<!ELEMENT ppp-summary-information (ppp-session)*>

<!ELEMENT remote-address (#PCDATA)>

<!ELEMENT remote-interface-identifier (#PCDATA)>

<!ELEMENT session-always-up EMPTY>

<!ELEMENT session-bundled EMPTY>

<!ELEMENT session-flags (session-bundled | session-ncp-only | session-always-up
| session-tcc | session-looped | session-monitored)*>

<!ELEMENT session-looped EMPTY>

<!ELEMENT session-monitored EMPTY>

<!ELEMENT session-name (#PCDATA)>

<!ELEMENT session-ncp-only EMPTY>

<!ELEMENT session-phase (#PCDATA)>

<!ELEMENT session-tcc EMPTY>

<!ELEMENT session-type (#PCDATA)>

<!ELEMENT sessions-authenticate (#PCDATA)>
```



```
<!ELEMENT sessions-disabled (#PCDATA)>
<!ELEMENT sessions-establish (#PCDATA)>
<!ELEMENT sessions-network (#PCDATA)>
<!ELEMENT sessions-total (#PCDATA)>
<!ELEMENT subscriber-sessions-authenticate (#PCDATA)>
<!ELEMENT subscriber-sessions-disabled (#PCDATA)>
<!ELEMENT subscriber-sessions-establish (#PCDATA)>
<!ELEMENT subscriber-sessions-network (#PCDATA)>
<!ELEMENT subscriber-sessions-total (#PCDATA)>
```



## CHAPTER 69

# DTD for UDP PPPoED Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-pppoed.dtd`, which lists the Junos XML tags that contain information about {}. To review reference pages for the tags, see .

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-pppoed.dtd -->

<!ELEMENT ac-name (#PCDATA)>

<!ELEMENT ac-name-config (#PCDATA)>

<!ELEMENT ac-name-session (#PCDATA)>

<!ELEMENT acsystem-err-received (#PCDATA)>

<!ELEMENT acsystem-err-sent (#PCDATA)>

<!ELEMENT active-sessions (#PCDATA)>

<!ELEMENT agent-circuit-id (#PCDATA)>

<!ELEMENT agent-remote-id (#PCDATA)>

<!ELEMENT auto-reconnect (#PCDATA)>

<!ELEMENT current-bandwidth (#PCDATA)>

<!ELEMENT duplicate-protection (#PCDATA)>

<!ELEMENT dynamic-interface-bandwidth (#PCDATA)>

<!ELEMENT dynamic-profile (#PCDATA)>

<!ELEMENT generic-err-received (#PCDATA)>

<!ELEMENT generic-err-sent (#PCDATA)>

<!ELEMENT idle-timeout (#PCDATA)>

<!ELEMENT ifl-type (#PCDATA)>

<!ELEMENT interface-index (#PCDATA)>

<!ELEMENT interface-name (#PCDATA)>
```

```
<!ELEMENT latency (#PCDATA)>

<!ELEMENT malformed-pkt-received (#PCDATA)>

<!ELEMENT max-ac-tmo (#PCDATA)>

<!ELEMENT max-bandwidth (#PCDATA)>

<!ELEMENT max-resend-tmo (#PCDATA)>

<!ELEMENT max-sessions (#PCDATA)>

<!ELEMENT max-sessions-vs-a-ignore (#PCDATA)>

<!ELEMENT padc-received (#PCDATA)>

<!ELEMENT padc-sent (#PCDATA)>

<!ELEMENT padg-credits (#PCDATA)>

<!ELEMENT padg-received (#PCDATA)>

<!ELEMENT padg-sent (#PCDATA)>

<!ELEMENT padi-received (#PCDATA)>

<!ELEMENT padi-resend-tmo (#PCDATA)>

<!ELEMENT padi-sent (#PCDATA)>

<!ELEMENT padi-tmo (#PCDATA)>

<!ELEMENT padm-hurl (#PCDATA)>

<!ELEMENT padm-motm (#PCDATA)>

<!ELEMENT padm-received (#PCDATA)>

<!ELEMENT padm-sent (#PCDATA)>

<!ELEMENT padn-received (#PCDATA)>

<!ELEMENT padn-sent (#PCDATA)>

<!ELEMENT pado-received (#PCDATA)>

<!ELEMENT pado-sent (#PCDATA)>

<!ELEMENT pado-tmo (#PCDATA)>

<!ELEMENT padq (current-bandwidth | max-bandwidth | quality | resources |
latency)*>

<!ELEMENT padq-received (#PCDATA)>

<!ELEMENT padq-sent (#PCDATA)>

<!ELEMENT padr-received (#PCDATA)>

<!ELEMENT padr-resend-tmo (#PCDATA)>
```

```

<!ELEMENT padr-sent (#PCDATA)>

<!ELEMENT padr-tmo (#PCDATA)>

<!ELEMENT pads-received (#PCDATA)>

<!ELEMENT pads-sent (#PCDATA)>

<!ELEMENT padt-received (#PCDATA)>

<!ELEMENT padt-sent (#PCDATA)>

<!ELEMENT pppoe-aci-ari-entry (agent-circuit-id | agent-remote-id | service-action
    | dynamic-profile | routing-instance | static-interface)*>

<!ELEMENT pppoe-counters (padi-sent | padi-received | pado-sent | pado-received
    | padr-sent | padr-received | pads-sent | pads-received | padt-sent | padt-received
    | padm-sent | padm-received | padn-sent | padn-received | padg-sent |
    padg-received | padc-sent | padc-received | padq-sent | padq-received |
    servname-err-sent | servname-err-received | acsystem-err-sent |
    acsystem-err-received | generic-err-sent | generic-err-received |
    malformed-pkt-received | unknown-pkt-received | padi-tmo | pado-tmo | padr-tmo)*>

<!ELEMENT pppoe-credit-scale-factor (#PCDATA)>

<!ELEMENT pppoe-credits (#PCDATA)>

<!ELEMENT pppoe-interface (interface-name | interface-index |
    underlying-interface-name | underlying-interface-index | state | ifl-type |
    session-id | ac-name-config | ac-name-session | service-name | remote-mac |
    auto-reconnect | idle-timeout | session-uptime | dynamic-profile | pppoe-credits
    | pppoe-credit-scale-factor | dynamic-interface-bandwidth | agent-circuit-id |
    agent-remote-id | padm-motm | padm-hurl | padg-credits)*>

<!ELEMENT pppoe-interface-information (pppoe-interface)*>
<ATTLIST pppoe-interface-information junos:style CDATA #IMPLIED>

<!ELEMENT pppoe-oper-states (state | dynamic-profile | max-sessions |
    max-sessions-vs-a-ignore | active-sessions | ac-name | duplicate-protection |
    service-name-table)*>

<!ELEMENT pppoe-padq-received (padq)*>

<!ELEMENT pppoe-service-name (service-name | service-action | dynamic-profile |
    routing-instance | max-sessions | active-sessions | pppoe-aci-ari-entry)*>

<!ELEMENT pppoe-service-name-table-information (service-name-table |
    pppoe-service-name)*>

<!ELEMENT pppoe-statistics (active-sessions | pppoe-counters)*>

<!ELEMENT pppoe-statistics-information (pppoe-statistics)*>

<!ELEMENT pppoe-underlying-interface (underlying-interface-name |
    underlying-interface-index | state | dynamic-profile | max-sessions |
    max-sessions-vs-a-ignore | active-sessions | ac-name | service-name-table |
    duplicate-protection)*>

<!ELEMENT pppoe-underlying-interface-information (pppoe-underlying-interface)*>
<ATTLIST pppoe-underlying-interface-information junos:style CDATA #IMPLIED>

```

```
<!ELEMENT pppoe-version (max-sessions | padi-resend-tmo | padr-resend-tmo |
max-resend-tmo | max-ac-tmo)*>

<!ELEMENT quality (#PCDATA)>

<!ELEMENT remote-mac (#PCDATA)>

<!ELEMENT resources (#PCDATA)>

<!ELEMENT routing-instance (#PCDATA)>

<!ELEMENT service-action (#PCDATA)>

<!ELEMENT service-name (#PCDATA)>

<!ELEMENT service-name-table (#PCDATA)>

<!ELEMENT servname-err-received (#PCDATA)>

<!ELEMENT servname-err-sent (#PCDATA)>

<!ELEMENT session-id (#PCDATA)>

<!ELEMENT session-uptime (#PCDATA)>

<!ELEMENT state (#PCDATA)>

<!ELEMENT static-interface (#PCDATA)>

<!ELEMENT underlying-interface-index (#PCDATA)>

<!ELEMENT underlying-interface-name (#PCDATA)>

<!ELEMENT unknown-pkt-received (#PCDATA)>
```

## CHAPTER 70

# DTD for Probe Tests Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-probe-tests.dtd`, which lists the Junos XML tags that contain information about probe tests. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-probe-tests.dtd -->

<!ELEMENT date-determined (#PCDATA)>
<!ATTLIST date-determined junos:seconds CDATA #IMPLIED>

<!ELEMENT hop (ttl-value | percent-loss | icmp-extension | last-host-name |
last-ip-address | probe-result)*>

<!ELEMENT host-name (#PCDATA)>

<!ELEMENT icmp-code (icmp-code-none | icmp-unreach-net | icmp-unreach-host |
icmp-unreach-protocol | icmp-unreach-port | icmp-unreach-needfrag |
icmp-unreach-srcfail | icmp-unreach-net-unknown | icmp-unreach-host-unknown |
icmp-unreach-isolated | icmp-unreach-net-prohib | icmp-unreach-host-prohib |
icmp-unreach-tosnet | icmp-unreach-toshost | icmp-unreach-filter-prohib |
icmp-unreach-host-precedence | icmp-unreach-precedence-cutoff | icmp-redirect-net
| icmp-redirect-host | icmp-redirect-tosnet | icmp-redirect-toshost |
icmp-timxceed-intrans | icmp-timxceed-reass | icmp-paramprob-optabsent |
icmp6-unreach-noroute | icmp6-unreach-admin | icmp6-unreach-beyond-scope |
icmp6-unreach-address | icmp6-unreach-port | icmp6-time-exceed-transit |
icmp6-time-exceed-reassembly | icmp6-parameter-problem-header |
icmp6-parameter-problem-nexthdr | icmp6-parameter-problem-option |
icmp6-ni-subject-ipv6 | icmp6-ni-subject-fqdn | icmp6-ni-subject-ipv4 |
icmp6-ni-success | icmp6-ni-refused | icmp6-ni-unknown)*>
<!ATTLIST icmp-code integer-code-value CDATA #IMPLIED>

<!ELEMENT icmp-code-none EMPTY>

<!ELEMENT icmp-echo EMPTY>

<!ELEMENT icmp-echoreply EMPTY>

<!ELEMENT icmp-extension (#PCDATA)>

<!ELEMENT icmp-ireq EMPTY>

<!ELEMENT icmp-ireqreply EMPTY>
```

```
<!ELEMENT icmp-maskreply EMPTY>

<!ELEMENT icmp-maskreq EMPTY>

<!ELEMENT icmp-paramprob EMPTY>

<!ELEMENT icmp-paramprob-optabsent EMPTY>

<!ELEMENT icmp-redirect EMPTY>

<!ELEMENT icmp-redirect-host EMPTY>

<!ELEMENT icmp-redirect-net EMPTY>

<!ELEMENT icmp-redirect-toshost EMPTY>

<!ELEMENT icmp-redirect-tosnet EMPTY>

<!ELEMENT icmp-routeradvert EMPTY>

<!ELEMENT icmp-routersolicit EMPTY>

<!ELEMENT icmp-sourcequench EMPTY>

<!ELEMENT icmp-timxceed EMPTY>

<!ELEMENT icmp-timxceed-intrans EMPTY>

<!ELEMENT icmp-timxceed-reass EMPTY>

<!ELEMENT icmp-tstamp EMPTY>

<!ELEMENT icmp-tstampreply EMPTY>

<!ELEMENT icmp-type (icmp-type-none | icmp-echoreply | icmp-unreach |
icmp-sourcequench | icmp-redirect | icmp-echo | icmp-routeradvert |
icmp-routersolicit | icmp-timxceed | icmp-paramprob | icmp-tstamp |
icmp-tstampreply | icmp-ireq | icmp-ireqreply | icmp-maskreq | icmp-maskreply |
icmp6-unreach | icmp6-packet-too-big | icmp6-time-exceeded |
icmp6-parameter-problem | icmp6-echo-request | icmp6-echo-reply |
icmp6-membership-query | icmp6-membership-report | icmp6-membership-reduction |
icmp6-router-solicit | icmp6-router-advert | icmp6-neighbor-solicit |
icmp6-neighbor-advert | icmp6-redirect | icmp6-router-renumbering | icmp6-ni-query
| icmp6-ni-reply)*>
<!ATTLIST icmp-type integer-type-value CDATA #IMPLIED>

<!ELEMENT icmp-type-none EMPTY>

<!ELEMENT icmp-unreach EMPTY>

<!ELEMENT icmp-unreach-filter-prohib EMPTY>

<!ELEMENT icmp-unreach-host EMPTY>

<!ELEMENT icmp-unreach-host-precedence EMPTY>

<!ELEMENT icmp-unreach-host-prohib EMPTY>

<!ELEMENT icmp-unreach-host-unknown EMPTY>
```



```
<!ELEMENT icmp-unreach-isolated EMPTY>
<!ELEMENT icmp-unreach-needfrag EMPTY>
<!ELEMENT icmp-unreach-net EMPTY>
<!ELEMENT icmp-unreach-net-prohib EMPTY>
<!ELEMENT icmp-unreach-net-unknown EMPTY>
<!ELEMENT icmp-unreach-port EMPTY>
<!ELEMENT icmp-unreach-precedence-cutoff EMPTY>
<!ELEMENT icmp-unreach-protocol EMPTY>
<!ELEMENT icmp-unreach-srcfail EMPTY>
<!ELEMENT icmp-unreach-toshost EMPTY>
<!ELEMENT icmp-unreach-tosnet EMPTY>
<!ELEMENT icmp6-echo-reply EMPTY>
<!ELEMENT icmp6-echo-request EMPTY>
<!ELEMENT icmp6-membership-query EMPTY>
<!ELEMENT icmp6-membership-reduction EMPTY>
<!ELEMENT icmp6-membership-report EMPTY>
<!ELEMENT icmp6-neighbor-advert EMPTY>
<!ELEMENT icmp6-neighbor-solicit EMPTY>
<!ELEMENT icmp6-ni-query EMPTY>
<!ELEMENT icmp6-ni-refused EMPTY>
<!ELEMENT icmp6-ni-reply EMPTY>
<!ELEMENT icmp6-ni-subject-fqdn EMPTY>
<!ELEMENT icmp6-ni-subject-ipv4 EMPTY>
<!ELEMENT icmp6-ni-subject-ipv6 EMPTY>
<!ELEMENT icmp6-ni-success EMPTY>
<!ELEMENT icmp6-ni-unknown EMPTY>
<!ELEMENT icmp6-packet-too-big EMPTY>
<!ELEMENT icmp6-parameter-problem EMPTY>
<!ELEMENT icmp6-parameter-problem-header EMPTY>
<!ELEMENT icmp6-parameter-problem-nextheader EMPTY>
<!ELEMENT icmp6-parameter-problem-option EMPTY>
```

```
<!ELEMENT icmp6-redirect EMPTY>

<!ELEMENT icmp6-router-advert EMPTY>

<!ELEMENT icmp6-router-renumbering EMPTY>

<!ELEMENT icmp6-router-solicit EMPTY>

<!ELEMENT icmp6-time-exceed-reassembly EMPTY>

<!ELEMENT icmp6-time-exceed-transit EMPTY>

<!ELEMENT icmp6-time-exceeded EMPTY>

<!ELEMENT icmp6-unreach EMPTY>

<!ELEMENT icmp6-unreach-address EMPTY>

<!ELEMENT icmp6-unreach-admin EMPTY>

<!ELEMENT icmp6-unreach-beyond-scope EMPTY>

<!ELEMENT icmp6-unreach-noroute EMPTY>

<!ELEMENT icmp6-unreach-port EMPTY>

<!ELEMENT ingress-interface (#PCDATA)>

<!ELEMENT ip-address (#PCDATA)>

<!ELEMENT ip-options (record-route | loose-source-route | strict-source-route)*>

<!ELEMENT last-host-name (#PCDATA)>

<!ELEMENT last-ip-address (#PCDATA)>

<!ELEMENT loose-source-route (record-route-host)*>

<!ELEMENT lsping-error-packets (#PCDATA)>

<!ELEMENT lsping-failure (#PCDATA)>

<!ELEMENT lsping-interface-index (#PCDATA)>

<!ELEMENT lsping-ip-address (#PCDATA)>

<!ELEMENT lsping-label (#PCDATA)>

<!ELEMENT lsping-local-transmit-time (#PCDATA)>

<!ELEMENT lsping-local-transmit-time-us (#PCDATA)>

<!ELEMENT lsping-mtu (#PCDATA)>

<!ELEMENT lsping-packet-loss (#PCDATA)>

<!ELEMENT lsping-packet-size (#PCDATA)>

<!ELEMENT lsping-packets-received (#PCDATA)>
```

```

<!ELEMENT lsping-packets-transmitted (#PCDATA)>

<!ELEMENT lsping-probe-reply (lsping-sequence-number | lsping-return-code |
lsping-ip-address | lsping-round-trip-time | lsping-local-transmit-time |
lsping-local-transmit-time-us | lsping-remote-receive-time |
lsping-remote-receive-time-us)*>

<!ELEMENT lsping-probe-request (lsping-sequence-number | lsping-interface-index
| lsping-label | lsping-packet-size)*>

<!ELEMENT lsping-remote-receive-time (#PCDATA)>

<!ELEMENT lsping-remote-receive-time-us (#PCDATA)>

<!ELEMENT lsping-results (lsping-route-comment | lsping-probe-request |
lsping-probe-reply | lsping-results-summary | vpls-ping-results-summary |
lsping-sweep-summary | lsping-success | lsping-failure)*>

<!ELEMENT lsping-results-summary (lsping-packets-transmitted |
lsping-packets-received | lsping-packet-loss | lsping-error-packets)*>

<!ELEMENT lsping-return-code (#PCDATA)>

<!ELEMENT lsping-round-trip-time (#PCDATA)>

<!ELEMENT lsping-route-comment (#PCDATA)>

<!ELEMENT lsping-sequence-number (#PCDATA)>

<!ELEMENT lsping-success EMPTY>

<!ELEMENT lsping-sweep-summary (lsping-mtu)*>

<!ELEMENT max-hop-index (#PCDATA)>

<!ELEMENT packet-loss (#PCDATA)>

<!ELEMENT packet-size (#PCDATA)>

<!ELEMENT percent-loss (#PCDATA)>

<!ELEMENT ping-failure (#PCDATA)>

<!ELEMENT ping-results (target-host | source | target-ip | packet-size |
probe-result | probe-results-summary | ping-success | ping-failure)*>

<!ELEMENT ping-success EMPTY>

<!ELEMENT probe-duplicate EMPTY>

<!ELEMENT probe-failure (#PCDATA)>

<!ELEMENT probe-index (#PCDATA)>

<!ELEMENT probe-reached EMPTY>

<!ELEMENT probe-result (date-determined | probe-index | sequence-number |
time-to-live | response-size | rtt | ingress-interface | icmp-type | icmp-code |
ip-address | host-name | ip-options | probe-success | probe-duplicate |
probe-reached | probe-failure)*>

```

```
<!ELEMENT probe-results-summary (probes-sent | responses-received | packet-loss
| response-duplicates | response-unexpected-sequence | rtt-minimum | rtt-average
| rtt-maximum | rtt-stddev)*>

<!ELEMENT probe-success EMPTY>

<!ELEMENT probes-sent (#PCDATA)>

<!ELEMENT record-route (record-route-host)*>

<!ELEMENT record-route-host (ip-address | host-name)*>

<!ELEMENT response-duplicates (#PCDATA)>

<!ELEMENT response-size (#PCDATA)>

<!ELEMENT response-unexpected-sequence (#PCDATA)>

<!ELEMENT responses-received (#PCDATA)>

<!ELEMENT rtt (#PCDATA)>

<!ELEMENT rtt-average (#PCDATA)>

<!ELEMENT rtt-maximum (#PCDATA)>

<!ELEMENT rtt-minimum (#PCDATA)>

<!ELEMENT rtt-stddev (#PCDATA)>

<!ELEMENT sequence-number (#PCDATA)>

<!ELEMENT source (#PCDATA)>

<!ELEMENT strict-source-route (record-route-host)*>

<!ELEMENT target-host (#PCDATA)>

<!ELEMENT target-ip (#PCDATA)>

<!ELEMENT time-to-live (#PCDATA)>

<!ELEMENT traceroute-failure (#PCDATA)>

<!ELEMENT traceroute-results (target-host | source | target-ip | packet-size |
max-hop-index | hop | traceroute-success | traceroute-failure)*>

<!ELEMENT traceroute-success EMPTY>

<!ELEMENT ttl-value (#PCDATA)>

<!ELEMENT vpls-ping-results-summary (lsping-packets-transmitted |
lsping-packets-received | lsping-packet-loss | lsping-error-packets)*>
```

## CHAPTER 71

# DTD for System Process Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-process.dtd`, which lists the Junos XML tags that contain information about system processes. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-process.dtd -->

<!ELEMENT address (#PCDATA)>

<!ELEMENT advisory-lock EMPTY>

<!ELEMENT alias (#PCDATA)>

<!ELEMENT argument (#PCDATA)>

<!ELEMENT argument-index (#PCDATA)>

<!ELEMENT block-input-operation (#PCDATA)>

<!ELEMENT block-output-operation (#PCDATA)>

<!ELEMENT command (#PCDATA)>

<!ELEMENT command-line-argument (argument-index | argument)*>

<!ELEMENT command-line-argument-list (command-line-argument)*>

<!ELEMENT controlling-terminal EMPTY>

<!ELEMENT cpu-idle-time (#PCDATA)>

<!ELEMENT cpu-idle-time-percent (#PCDATA)>

<!ELEMENT cpu-interrupts-time (#PCDATA)>

<!ELEMENT cpu-interrupts-time-percent (#PCDATA)>

<!ELEMENT cpu-load (#PCDATA)>

<!ELEMENT cpu-nice-time (#PCDATA)>

<!ELEMENT cpu-nice-time-percent (#PCDATA)>
```

```
<!ELEMENT cpu-system-time (#PCDATA)>

<!ELEMENT cpu-system-time-percent (#PCDATA)>

<!ELEMENT cpu-total-time (#PCDATA)>

<!ELEMENT cpu-user-time (#PCDATA)>

<!ELEMENT cpu-user-time-percent (#PCDATA)>

<!ELEMENT data-size (#PCDATA)>
<ATTLIST data-size junos:pages CDATA #IMPLIED>

<!ELEMENT debug-trace EMPTY>

<!ELEMENT debug-wait EMPTY>

<!ELEMENT exec EMPTY>

<!ELEMENT exiting EMPTY>

<!ELEMENT external-identifier (#PCDATA)>

<!ELEMENT in-memory EMPTY>

<!ELEMENT interruptible EMPTY>

<!ELEMENT involuntary-context-switch (#PCDATA)>

<!ELEMENT load-average-fifteen-minute (#PCDATA)>

<!ELEMENT load-average-five-minute (#PCDATA)>

<!ELEMENT load-average-one-minute (#PCDATA)>

<!ELEMENT login-id (#PCDATA)>

<!ELEMENT maximum-resident-set (#PCDATA)>

<!ELEMENT memory-load (#PCDATA)>

<!ELEMENT memory-page-size (#PCDATA)>

<!ELEMENT memory-statistics (memory-load | virtual-size | resident-set-size |
resident-set-before-swap | text-size | data-size | stack-size)*>

<!ELEMENT messages-received (#PCDATA)>

<!ELEMENT messages-sent (#PCDATA)>

<!ELEMENT name (#PCDATA)>

<!ELEMENT nice (#PCDATA)>

<!ELEMENT page-faults (#PCDATA)>

<!ELEMENT page-reclaims (#PCDATA)>

<!ELEMENT parent-process-id (#PCDATA)>
```

```

<!ELEMENT physical-memory-pages (#PCDATA)>

<!ELEMENT primary-instance EMPTY>

<!ELEMENT priority (#PCDATA)>

<!ELEMENT process (process-id | name | alias | external-identifier |
primary-instance | login-id | start-time | parent-process-id | process-group-id
| command | command-line-argument-list | terminal-device | priority | nice |
process-status | process-flags | sleep-information | resource-usage |
memory-statistics)*>

<!ELEMENT process-flags (interruptible | advisory-lock | controlling-terminal |
in-memory | wait-child | profiling | select | set-id-privileges | system-process
| timing-out | debug-trace | debug-wait | exiting | exec)*>

<!ELEMENT process-group-id (#PCDATA)>

<!ELEMENT process-id (#PCDATA)>

<!ELEMENT process-information (scale-information | process | system-information)*>

<!ELEMENT process-run (#PCDATA)>

<!ELEMENT process-sleep (#PCDATA)>

<!ELEMENT process-start (#PCDATA)>

<!ELEMENT process-status (#PCDATA)>

<!ELEMENT process-stop (#PCDATA)>

<!ELEMENT process-total (#PCDATA)>

<!ELEMENT process-zombie (#PCDATA)>

<!ELEMENT profiling EMPTY>

<!ELEMENT reason (#PCDATA)>

<!ELEMENT resident-set-before-swap (#PCDATA)>
<!ATTLIST resident-set-before-swap junos:pages CDATA #IMPLIED>

<!ELEMENT resident-set-size (#PCDATA)>
<!ATTLIST resident-set-size junos:pages CDATA #IMPLIED>

<!ELEMENT resource-usage (cpu-load | user-time | system-time | maximum-resident-set
| page-reclaims | page-faults | swaps | block-input-operation |
block-output-operation | messages-sent | messages-received | signals |
voluntary-context-switch | involuntary-context-switch)*>

<!ELEMENT scale-information (memory-page-size | physical-memory-pages)*>

<!ELEMENT select EMPTY>

<!ELEMENT set-id-privileges EMPTY>

<!ELEMENT signals (#PCDATA)>

<!ELEMENT sleep-information (reason | address)*>

```

```
<!ELEMENT stack-size (#PCDATA)>
<!ATTLIST stack-size junos:pages CDATA #IMPLIED>

<!ELEMENT start-time (#PCDATA)>
<!ATTLIST start-time junos:seconds CDATA #IMPLIED>

<!ELEMENT swaps (#PCDATA)>

<!ELEMENT system-boot-device (#PCDATA)>

<!ELEMENT system-boot-next-device (#PCDATA)>

<!ELEMENT system-cpu-states (cpu-total-time | cpu-user-time | cpu-user-time-percent
| cpu-nice-time | cpu-nice-time-percent | cpu-system-time |
cpu-system-time-percent | cpu-interrupts-time | cpu-interrupts-time-percent |
cpu-idle-time | cpu-idle-time-percent)*>

<!ELEMENT system-hardware-cpu-architecture (#PCDATA)>

<!ELEMENT system-hardware-cpu-count (#PCDATA)>

<!ELEMENT system-hardware-cpu-model (#PCDATA)>

<!ELEMENT system-hardware-page-available (#PCDATA)>

<!ELEMENT system-hardware-page-size (#PCDATA)>

<!ELEMENT system-hardware-physical-memory (#PCDATA)>

<!ELEMENT system-hardware-routing-engine-model (#PCDATA)>

<!ELEMENT system-hardware-routing-engine-name (#PCDATA)>

<!ELEMENT system-hardware-routing-engine-other-alive EMPTY>

<!ELEMENT system-hardware-routing-engine-other-present EMPTY>

<!ELEMENT system-hardware-routing-engine-serial-number (#PCDATA)>

<!ELEMENT system-hardware-user-memory (#PCDATA)>

<!ELEMENT system-information (system-hardware-cpu-architecture |
system-hardware-cpu-model | system-hardware-cpu-count | system-boot-device |
system-boot-next-device | system-hardware-physical-memory |
system-hardware-user-memory | system-hardware-page-size |
system-virtual-memory-page-size | system-hardware-page-available |
system-hardware-routing-engine-name | system-hardware-routing-engine-model |
system-hardware-routing-engine-serial-number |
system-hardware-routing-engine-other-present |
system-hardware-routing-engine-other-alive | system-virtual-memory-swap-enabled
| system-virtual-memory-context-switches | system-virtual-memory-trap |
system-virtual-memory-syscall | system-virtual-memory-hard-interrupts |
system-virtual-memory-soft-interrupts | system-virtual-memory-faults |
system-virtual-memory-copy-on-write-faults |
system-virtual-memory-copy-on-write-optimized | system-virtual-memory-zeroed-pages
| system-virtual-memory-zeroed-pages-optimized | system-virtual-memory-swapin |
system-virtual-memory-swapon | system-virtual-memory-swapped-in-pages |
system-virtual-memory-swapped-out-pages | system-virtual-memory-reactivated-pages
| system-virtual-memory-vnode-in | system-virtual-memory-vnode-out |
system-virtual-memory-vnode-page-ins | system-virtual-memory-vnode-page-outs |
system-virtual-memory-pager-wakes | system-virtual-memory-pager-scans |
```



```

system-virtual-memory-page-count | system-virtual-memory-free-reserved |
system-virtual-memory-free-minimum | system-virtual-memory-free-pages |
system-virtual-memory-wired-pages | system-virtual-memory-active-pages |
system-virtual-memory-cache-pages | system-virtual-memory-cache-pages-minimum |
system-virtual-memory-cache-pages-maximum | system-virtual-memory-load-averages
| system-last-pid | system-process-counts | system-cpu-states)*>

<!ELEMENT system-last-pid (#PCDATA)>

<!ELEMENT system-process EMPTY>

<!ELEMENT system-process-counts (process-total | process-run | process-sleep |
process-start | process-stop | process-zombie)*>

<!ELEMENT system-time (#PCDATA)>
<ATTLIST system-time junos:seconds CDATA #IMPLIED>
<ATTLIST system-time junos:microseconds CDATA #IMPLIED>

<!ELEMENT system-virtual-memory-active-pages (#PCDATA)>

<!ELEMENT system-virtual-memory-cache-pages (#PCDATA)>

<!ELEMENT system-virtual-memory-cache-pages-maximum (#PCDATA)>

<!ELEMENT system-virtual-memory-cache-pages-minimum (#PCDATA)>

<!ELEMENT system-virtual-memory-context-switches (#PCDATA)>

<!ELEMENT system-virtual-memory-copy-on-write-faults (#PCDATA)>

<!ELEMENT system-virtual-memory-copy-on-write-optimized (#PCDATA)>

<!ELEMENT system-virtual-memory-faults (#PCDATA)>

<!ELEMENT system-virtual-memory-free-minimum (#PCDATA)>

<!ELEMENT system-virtual-memory-free-pages (#PCDATA)>

<!ELEMENT system-virtual-memory-free-reserved (#PCDATA)>

<!ELEMENT system-virtual-memory-hard-interrupts (#PCDATA)>

<!ELEMENT system-virtual-memory-load-averages (load-average-one-minute |
load-average-five-minute | load-average-fifteen-minute)*>

<!ELEMENT system-virtual-memory-page-count (#PCDATA)>

<!ELEMENT system-virtual-memory-page-size (#PCDATA)>

<!ELEMENT system-virtual-memory-pager-scans (#PCDATA)>

<!ELEMENT system-virtual-memory-pager-wakes (#PCDATA)>

<!ELEMENT system-virtual-memory-reactivated-pages (#PCDATA)>

<!ELEMENT system-virtual-memory-soft-interrupts (#PCDATA)>

<!ELEMENT system-virtual-memory-swap-enabled EMPTY>

<!ELEMENT system-virtual-memory-swapin (#PCDATA)>

```

```
<!ELEMENT system-virtual-memory-swapout (#PCDATA)>
<!ELEMENT system-virtual-memory-swapped-in-pages (#PCDATA)>
<!ELEMENT system-virtual-memory-swapped-out-pages (#PCDATA)>
<!ELEMENT system-virtual-memory-syscall (#PCDATA)>
<!ELEMENT system-virtual-memory-trap (#PCDATA)>
<!ELEMENT system-virtual-memory-vnode-in (#PCDATA)>
<!ELEMENT system-virtual-memory-vnode-out (#PCDATA)>
<!ELEMENT system-virtual-memory-vnode-page-ins (#PCDATA)>
<!ELEMENT system-virtual-memory-vnode-page-outs (#PCDATA)>
<!ELEMENT system-virtual-memory-wired-pages (#PCDATA)>
<!ELEMENT system-virtual-memory-zeroed-pages (#PCDATA)>
<!ELEMENT system-virtual-memory-zeroed-pages-optimized (#PCDATA)>
<!ELEMENT terminal-device (#PCDATA)>
<!ELEMENT text-size (#PCDATA)>
<!-- ATTENTION: text-size junos:pages CDATA #IMPLIED -->
<!ELEMENT timing-out EMPTY>
<!ELEMENT user-time (#PCDATA)>
<!-- ATTENTION: user-time junos:seconds CDATA #IMPLIED -->
<!-- ATTENTION: user-time junos:microseconds CDATA #IMPLIED -->
<!ELEMENT virtual-size (#PCDATA)>
<!ELEMENT voluntary-context-switch (#PCDATA)>
<!ELEMENT wait-child EMPTY>
```

## CHAPTER 72

# DTD for Product Metadata Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-productmetadata.dtd`, which lists the Junos XML tags that contain information about product metadata. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-productmetadata.dtd -->

<!ELEMENT defaults (#PCDATA)>

<!ELEMENT description (#PCDATA)>

<!ELEMENT factory (#PCDATA)>

<!ELEMENT flag (#PCDATA)>

<!ELEMENT max-chassis (#PCDATA)>

<!ELEMENT max-fpc-per-chassis (#PCDATA)>

<!ELEMENT max-fpc-per-router (#PCDATA)>

<!ELEMENT max-fwd-classes (#PCDATA)>

<!ELEMENT max-pem-per-chassis (#PCDATA)>

<!ELEMENT max-pfe-per-slot (#PCDATA)>

<!ELEMENT max-pics-per-slot (#PCDATA)>

<!ELEMENT max-re (#PCDATA)>

<!ELEMENT max-sfm (#PCDATA)>

<!ELEMENT max-sib-per-chassis (#PCDATA)>

<!ELEMENT max-symb-per-chassis (#PCDATA)>

<!ELEMENT model (#PCDATA)>

<!ELEMENT name (#PCDATA)>

<!ELEMENT product (model | product-number | series | product-line | name |
```

```
description | flag | max-fpc-per-router | max-fpc-per-chassis | max-pics-per-slot  
| max-sfm | max-pfe-per-slot | max-re | max-chassis | max-spm-per-chassis |  
max-sib-per-chassis | max-pem-per-chassis | max-fwd-classes | defaults | factory)*>
```

```
<!--ELEMENT product-line (#PCDATA)-->
```

```
<!--ELEMENT product-metadata-information (product)*-->
```

```
<!--ELEMENT product-number (#PCDATA)-->
```

```
<!--ELEMENT series (#PCDATA)-->
```

## CHAPTER 73

# DTD for R2CPD Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-r2cpd.dtd`, which lists the Junos XML tags that contain information about R2CPD. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->  
<!-- All rights reserved. -->  
<!-- junos-r2cpd.dtd -->
```

```
<!ELEMENT below-threshold (#PCDATA)>
```

```
<!ELEMENT current-bandwidth (#PCDATA)>
```

```
<!ELEMENT effective-bandwidth (#PCDATA)>
```

```
<!ELEMENT heartbeat-err (#PCDATA)>
```

```
<!ELEMENT heartbeat-recv (#PCDATA)>
```

```
<!ELEMENT heartbeat-sent (#PCDATA)>
```

```
<!ELEMENT heartbeat-tmo (#PCDATA)>
```

```
<!ELEMENT iflctl-name (#PCDATA)>
```

```
<!ELEMENT ifldata-name (#PCDATA)>
```

```
<!ELEMENT items-cleared (#PCDATA)>
```

```
<!ELEMENT last-change (#PCDATA)>
```

```
<!ELEMENT last-received (#PCDATA)>
```

```
<!ELEMENT latency (#PCDATA)>
```

```
<!ELEMENT mac-address (#PCDATA)>
```

```
<!ELEMENT max-bandwidth (#PCDATA)>
```

```
<!ELEMENT mim-err (#PCDATA)>
```

```
<!ELEMENT mim-recv (#PCDATA)>
```

```
<!ELEMENT node-client-address (#PCDATA)>
```

```
<!ELEMENT node-client-port (#PCDATA)>

<!ELEMENT node-count (#PCDATA)>

<!ELEMENT node-hbinterval (#PCDATA)>

<!ELEMENT node-hbtime (#PCDATA)>

<!ELEMENT node-name (#PCDATA)>

<!ELEMENT node-sessions (#PCDATA)>

<!ELEMENT node-status (#PCDATA)>

<!ELEMENT node-uptime (#PCDATA)>

<!ELEMENT nterm-ack-err (#PCDATA)>

<!ELEMENT nterm-ack-recv (#PCDATA)>

<!ELEMENT nterm-ack-sent (#PCDATA)>

<!ELEMENT nterm-err (#PCDATA)>

<!ELEMENT nterm-recv (#PCDATA)>

<!ELEMENT nterm-sent (#PCDATA)>

<!ELEMENT nterm-tmo (#PCDATA)>

<!ELEMENT packets-out (#PCDATA)>

<!ELEMENT quality (#PCDATA)>

<!ELEMENT r2cp-clear-result (#PCDATA)>

<!ELEMENT r2cp-counters (r2cp-node-counters | r2cp-session-counters)*>

<!ELEMENT r2cp-iflctl (iflctl-name | node-count)*>

<!ELEMENT r2cp-iflctl-information (r2cp-iflctl)*>
<ATTLIST r2cp-iflctl-information junos:style CDATA #IMPLIED>

<!ELEMENT r2cp-ifldata (ifldata-name)*>

<!ELEMENT r2cp-ifldata-information (r2cp-ifldata)*>
<ATTLIST r2cp-ifldata-information junos:style CDATA #IMPLIED>

<!ELEMENT r2cp-node (node-name | node-client-address | node-client-port |
node-sessions | node-uptime | node-status | node-hbinterval | node-hbtime)*>

<!ELEMENT r2cp-node-counters (mim-recv | heartbeat-recv | nterm-recv |
nterm-ack-recv | rom-sent | heartbeat-sent | nterm-sent | nterm-ack-sent | mim-err
| heartbeat-err | nterm-err | nterm-ack-err | heartbeat-tmo | nterm-tmo)*>

<!ELEMENT r2cp-node-information (r2cp-node)*>
<ATTLIST r2cp-node-information junos:style CDATA #IMPLIED>

<!ELEMENT r2cp-session (session-id | vc-id | mac-address | uptime | vlan-ids |
term-vlan-ids | packets-out | session-status | r2cp-session-update |
```

```
r2cp-session-bandwidth)*>

<!ELEMENT r2cp-session-bandwidth (effective-bandwidth | last-change |
below-threshold)*>

<!ELEMENT r2cp-session-counters (sin-recv | sup-recv | sterm-recv | sterm-ack-recv
| sin-ack-sent | sterm-sent | sterm-ack-sent | sin-err | sup-err | sterm-err |
sterm-ack-err | sterm-tmo)*>

<!ELEMENT r2cp-session-information (r2cp-session | r2cp-session-update)*>
<!ATTLIST r2cp-session-information junos:style CDATA #IMPLIED>

<!ELEMENT r2cp-session-update (last-received | current-bandwidth | max-bandwidth
| quality | resources | latency)*>

<!ELEMENT r2cp-version (#PCDATA)>

<!ELEMENT resources (#PCDATA)>

<!ELEMENT rom-sent (#PCDATA)>

<!ELEMENT session-id (#PCDATA)>

<!ELEMENT session-status (#PCDATA)>

<!ELEMENT sin-ack-sent (#PCDATA)>

<!ELEMENT sin-err (#PCDATA)>

<!ELEMENT sin-recv (#PCDATA)>

<!ELEMENT sterm-ack-err (#PCDATA)>

<!ELEMENT sterm-ack-recv (#PCDATA)>

<!ELEMENT sterm-ack-sent (#PCDATA)>

<!ELEMENT sterm-err (#PCDATA)>

<!ELEMENT sterm-recv (#PCDATA)>

<!ELEMENT sterm-sent (#PCDATA)>

<!ELEMENT sterm-tmo (#PCDATA)>

<!ELEMENT sup-err (#PCDATA)>

<!ELEMENT sup-recv (#PCDATA)>

<!ELEMENT term-vlan-ids (#PCDATA)>

<!ELEMENT uptime (#PCDATA)>

<!ELEMENT vc-id (#PCDATA)>

<!ELEMENT vlan-ids (#PCDATA)>
```





# DTD for Redundant Interfaces Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-rdd.dtd`, which lists the Junos XML tags that contain information about redundant interfaces. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-rdd.dtd -->

<!ELEMENT current-status (#PCDATA)>

<!ELEMENT interface-load-balancing (interface-name | state | last-change |
member-count)*>

<!ELEMENT interface-load-balancing-detail (interface-name | state | last-change
| member-count)*>

<!ELEMENT interface-load-balancing-detail-information
(interface-load-balancing-detail | interface-load-balancing-member-detail)*>

<!ELEMENT interface-load-balancing-information (interface-load-balancing)*>

<!ELEMENT interface-load-balancing-member-detail (member-interface-name |
member-weight | member-state)*>

<!ELEMENT interface-name (#PCDATA)>

<!ELEMENT interface-redundancy (interface-name | state | last-change | primary |
secondary | current-status)*>

<!ELEMENT interface-redundancy-detail (interface-name | state | last-change |
primary | secondary | current-status | mode | replication-state)*>

<!ELEMENT interface-redundancy-detail-information (interface-redundancy-detail)*>

<!ELEMENT interface-redundancy-information (interface-redundancy)*>

<!ELEMENT last-change (#PCDATA)>

<!ELEMENT member-count (#PCDATA)>

<!ELEMENT member-interface-name (#PCDATA)>
```

```
<!ELEMENT member-state (#PCDATA)>
<!ELEMENT member-weight (#PCDATA)>
<!ELEMENT mode (#PCDATA)>
<!ELEMENT primary (#PCDATA)>
<!ELEMENT replication-state (#PCDATA)>
<!ELEMENT secondary (#PCDATA)>
<!ELEMENT state (#PCDATA)>
```

## CHAPTER 75

# DTD for Relay Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-relay.dtd`, which lists the Junos XML tags that contain information about Junos relay response tags. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-relay.dtd -->
```

```
<!ELEMENT connection-state (#PCDATA)>
```

```
<!ELEMENT group-count (#PCDATA)>
```

```
<!ELEMENT group-id (#PCDATA)>
```

```
<!ELEMENT group-member-count (#PCDATA)>
```

```
<!ELEMENT group-state (#PCDATA)>
```

```
<!ELEMENT group-type (#PCDATA)>
```

```
<!ELEMENT member-local-index (#PCDATA)>
```

```
<!ELEMENT member-name (#PCDATA)>
```

```
<!ELEMENT member-state (#PCDATA)>
```

```
<!ELEMENT message-pending (#PCDATA)>
```

```
<!ELEMENT message-pending-size (#PCDATA)>
```

```
<!ELEMENT message-total (#PCDATA)>
```

```
<!ELEMENT message-total-size (#PCDATA)>
```

```
<!ELEMENT protocol-name (#PCDATA)>
```

```
<!ELEMENT relay-group (relay-vks-group)*>
```

```
<!ATTLIST relay-group junos:style CDATA #IMPLIED>
```

```
<!ELEMENT relay-group-information (group-id | group-state | group-type |
group-member-count | message-total | message-total-size | message-pending |
message-pending-size | socket-full-count)*>
```

```
<!ELEMENT relay-information (relay-state | relay-server-information)*>

<!ELEMENT relay-member (relay-member-vks)*>
<!ATTLIST relay-member junos:style CDATA #IMPLIED>

<!ELEMENT relay-member-information (member-name | member-local-index | member-state
| message-total | message-total-size | message-pending | message-pending-size |
reverse-message-total | reverse-message-total-size | reverse-message-pending |
reverse-message-pending-size | socket-full-count)*>

<!ELEMENT relay-member-vks (relay-vks | relay-member-information)*>

<!ELEMENT relay-server-information (relay-vks | relay-server-name | protocol-name
| connection-state | group-count)*>

<!ELEMENT relay-server-name (#PCDATA)>

<!ELEMENT relay-state (#PCDATA)>

<!ELEMENT relay-vks (#PCDATA)>

<!ELEMENT relay-vks-group (relay-vks | relay-group-information)*>

<!ELEMENT reverse-message-pending (#PCDATA)>

<!ELEMENT reverse-message-pending-size (#PCDATA)>

<!ELEMENT reverse-message-total (#PCDATA)>

<!ELEMENT reverse-message-total-size (#PCDATA)>

<!ELEMENT socket-full-count (#PCDATA)>
```

## CHAPTER 76

# DTD for Resource Cleanup Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-res-cleanup.dtd`, which lists the Junos XML tags that contain information about Junos resource cleanup response tags. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-res-cleanup.dtd -->

<!ELEMENT cleanup-resources (resource)*>

<!ELEMENT id (#PCDATA)>

<!ELEMENT key (#PCDATA)>

<!ELEMENT major-number (#PCDATA)>

<!ELEMENT minor-number (#PCDATA)>

<!ELEMENT pid (#PCDATA)>

<!ELEMENT process-name (#PCDATA)>

<!ELEMENT process-resource-cleanup (pid | process-name | cleanup-resources)*>

<!ELEMENT resource (type | major-number | minor-number | id | key)*>

<!ELEMENT resource-type (type)*>

<!ELEMENT system-resource-cleanup-processes-information
(process-resource-cleanup)*>
<!ATTLIST system-resource-cleanup-processes-information junos:style CDATA #IMPLIED>

<!ELEMENT system-resource-cleanup-resources-information (resource-type)*>

<!ELEMENT type (#PCDATA)>
```



## DTD for Routing Protocols Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-routing.dtd`, which lists the Junos XML tags that contain information about routing protocols. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-routing.dtd -->

<!ELEMENT accepted-external-prefix-count (#PCDATA)>

<!ELEMENT accepted-internal-prefix-count (#PCDATA)>

<!ELEMENT accepted-prefix-count (#PCDATA)>

<!ELEMENT accepted-prefix-limit (nlri-type | prefix-count | limit-action |
warning-percentage)*>

<!ELEMENT ack-flag (#PCDATA)>

<!ELEMENT active-control-channel (#PCDATA)>

<!ELEMENT active-count (#PCDATA)>

<!ELEMENT active-external-prefix-count (#PCDATA)>

<!ELEMENT active-holdtime (#PCDATA)>

<!ELEMENT active-internal-prefix-count (#PCDATA)>

<!ELEMENT active-key-id (#PCDATA)>

<!ELEMENT active-key-start-time (#PCDATA)>

<!ELEMENT active-path (#PCDATA)>

<!ELEMENT active-prefix-count (#PCDATA)>

<!ELEMENT active-reservation (#PCDATA)>

<!ELEMENT active-route-count (#PCDATA)>

<!ELEMENT active-tag (#PCDATA)>
```

```
<!ELEMENT activity-timer (#PCDATA)>

<!ELEMENT actual-bandwidth (#PCDATA)>

<!ELEMENT actual-free-bytes (#PCDATA)>

<!ELEMENT add-messages (#PCDATA)>

<!ELEMENT addpath-receive (nlri-type | addpath-receive-type)*>

<!ELEMENT addpath-receive-type (#PCDATA)>

<!ELEMENT addpath-send (nlri-type | addpath-send-type | addpath-send-count |
addpath-send-policy)*>

<!ELEMENT addpath-send-count (#PCDATA)>

<!ELEMENT addpath-send-policy (#PCDATA)>

<!ELEMENT addpath-send-type (#PCDATA)>

<!ELEMENT address (#PCDATA)>

<!ELEMENT address-families (#PCDATA)>

<!ELEMENT address-family (#PCDATA)>

<!ELEMENT address-mask (#PCDATA)>

<!ELEMENT address-prefix (#PCDATA)>

<!ELEMENT adj-count (#PCDATA)>

<!ELEMENT adjacency-advertisement (#PCDATA)>

<!ELEMENT adjacency-count (#PCDATA)>

<!ELEMENT adjacency-down-reason (#PCDATA)>

<!ELEMENT adjacency-event (#PCDATA)>

<!ELEMENT adjacency-flag (#PCDATA)>

<!ELEMENT adjacency-restart-capable (#PCDATA)>

<!ELEMENT adjacency-state (#PCDATA)>

<!ELEMENT adjacency-topologies (#PCDATA)>

<!ELEMENT adjacency-when (#PCDATA)>
<!-- ATTENTION: junos:seconds is implied -->
<!-- ATTENTION: junos:seconds is implied -->

<!ELEMENT adjust-threshold (#PCDATA)>

<!ELEMENT adjust-timer (#PCDATA)>

<!ELEMENT admin-group-extended-name (#PCDATA)>

<!ELEMENT admin-group-extended-number (#PCDATA)>

<!ELEMENT admin-group-index (#PCDATA)>
```



```
<!ELEMENT admin-group-name (#PCDATA)>

<!ELEMENT admin-group-number (#PCDATA)>

<!ELEMENT admin-groups (color | no-group-flag | admin-group-name |
admin-group-number)*>
<!ATTLIST admin-groups heading CDATA #IMPLIED>

<!ELEMENT admin-groups-extended (admin-group-name | admin-group-number)*>
<!ATTLIST admin-groups-extended heading CDATA #IMPLIED>

<!ELEMENT adspec (#PCDATA)>

<!ELEMENT advertised-prefix-count (#PCDATA)>

<!ELEMENT advertising-router (#PCDATA)>

<!ELEMENT age (#PCDATA)>
<!ATTLIST age junos:seconds CDATA #IMPLIED>

<!ELEMENT aggregate (aggregate-flags | aggregate-depth | aggregate-active |
aggregate-as-path | contributing-route-count | aggregated-route)*>

<!ELEMENT aggregate-active EMPTY>

<!ELEMENT aggregate-as-path (as-path | reference-count)*>

<!ELEMENT aggregate-depth (#PCDATA)>

<!ELEMENT aggregate-flag (#PCDATA)>

<!ELEMENT aggregate-flags (#PCDATA)>

<!ELEMENT aggregated-route (destination-prefix | protocol-name)*>

<!ELEMENT agi (#PCDATA)>

<!ELEMENT aging-timer (#PCDATA)>

<!ELEMENT allocated-length (#PCDATA)>

<!ELEMENT always-mark-connection-protection-tlv (#PCDATA)>

<!ELEMENT amt-active-tunnels (#PCDATA)>

<!ELEMENT amt-anycast-address (#PCDATA)>

<!ELEMENT amt-anycast-prefix (#PCDATA)>

<!ELEMENT amt-gateways-timed-out (#PCDATA)>

<!ELEMENT amt-inactivity-timeout (#PCDATA)>

<!ELEMENT amt-incomplete-membership-request (#PCDATA)>

<!ELEMENT amt-incomplete-membership-update (#PCDATA)>

<!ELEMENT amt-incomplete-packet (#PCDATA)>

<!ELEMENT amt-incomplete-relay-discovery (#PCDATA)>
```

```
<!ELEMENT amt-instance-statistics (amt-relay-discovery-messages |
amt-relay-advertisement-messages | amt-membership-request-messages |
amt-membership-query-messages | amt-membership-update-messages |
amt-relay-discovery-invalid-address | amt-membership-request-invalid-address |
amt-membership-update-invalid-address | amt-incomplete-packet | amt-invalid-mac
| amt-unexpected-type | amt-incomplete-relay-discovery |
amt-incomplete-membership-request | amt-incomplete-membership-update |
amt-no-active-gateway | amt-invalid-inner-packet-checksum |
amt-gateways-timed-out)*>
<!ATTLIST amt-instance-statistics junos:style CDATA #IMPLIED>

<!ELEMENT amt-invalid-inner-packet-checksum (#PCDATA)>

<!ELEMENT amt-invalid-mac (#PCDATA)>

<!ELEMENT amt-local-address (#PCDATA)>

<!ELEMENT amt-membership-query-messages (#PCDATA)>

<!ELEMENT amt-membership-request-invalid-address (#PCDATA)>

<!ELEMENT amt-membership-request-messages (#PCDATA)>

<!ELEMENT amt-membership-update-invalid-address (#PCDATA)>

<!ELEMENT amt-membership-update-message (#PCDATA)>

<!ELEMENT amt-membership-update-messages (#PCDATA)>

<!ELEMENT amt-no-active-gateway (#PCDATA)>

<!ELEMENT amt-relay-advertisement-messages (#PCDATA)>

<!ELEMENT amt-relay-discovery-invalid-address (#PCDATA)>

<!ELEMENT amt-relay-discovery-messages (#PCDATA)>

<!ELEMENT amt-request-message (#PCDATA)>

<!ELEMENT amt-summary (amt-anycast-prefix | amt-anycast-address | amt-local-address
| amt-tunnel-limit | amt-active-tunnels)*>

<!ELEMENT amt-tunnel (amt-tunnel-gateway-address | amt-tunnel-gateway-port |
amt-tunnel-interface | amt-tunnel-state | amt-inactivity-timeout |
amt-tunnel-gateway-nonce | amt-tunnel-gateway-mac | amt-tunnel-multicast-groups
| mgm-group | amt-tunnel-message-count)*>
<!ATTLIST amt-tunnel junos:style CDATA #IMPLIED>

<!ELEMENT amt-tunnel-gateway-address (#PCDATA)>

<!ELEMENT amt-tunnel-gateway-mac (#PCDATA)>

<!ELEMENT amt-tunnel-gateway-nonce (#PCDATA)>

<!ELEMENT amt-tunnel-gateway-port (#PCDATA)>

<!ELEMENT amt-tunnel-information (amt-tunnel)*>

<!ELEMENT amt-tunnel-interface (#PCDATA)>
```

```

<!ELEMENT amt-tunnel-limit (#PCDATA)>

<!ELEMENT amt-tunnel-message-count (amt-request-message |
amt-membership-update-message)*>

<!ELEMENT amt-tunnel-multicast-groups (#PCDATA)>

<!ELEMENT amt-tunnel-state (#PCDATA)>

<!ELEMENT amt-unexpected-type (#PCDATA)>

<!ELEMENT announce-bits (#PCDATA)>

<!ELEMENT announce-tasks (#PCDATA)>

<!ELEMENT application-owner (#PCDATA)>

<!ELEMENT area-address-tlv (address | tlv-length)*>

<!ELEMENT area-mismatch-error (#PCDATA)>

<!ELEMENT arp_nh_null_addr (#PCDATA)>

<!ELEMENT arp_rt_add (#PCDATA)>

<!ELEMENT arp_rt_add_no_snpa (#PCDATA)>

<!ELEMENT arp_rt_chg (#PCDATA)>

<!ELEMENT arp_rt_del (#PCDATA)>

<!ELEMENT arp_rt_del_no_krtt (#PCDATA)>

<!ELEMENT arp_rt_del_not_found (#PCDATA)>

<!ELEMENT as-loops (#PCDATA)>

<!ELEMENT as-number (#PCDATA)>

<!ELEMENT as-path (#PCDATA)>

<!ELEMENT asn (#PCDATA)>

<!ELEMENT aspath-bucket (aspath-entry | bucket | count)*>

<!ELEMENT aspath-domain (identifier | domain-flags | primary | references |
path-count | local-asn)*>

<!ELEMENT aspath-entry (as-path | domain | path-references | length | segments |
overhead | compare-length | neighbor-as | entry-state)*>
<!ATTLIST aspath-entry junos:style CDATA #IMPLIED>

<!ELEMENT aspath-table (path-count | bucket-count | bucket-max-entries |
bucket-min-entries | bucket-avg-entries | bucket-std-deviation | aspath-bucket)*>
<!ATTLIST aspath-table junos:style CDATA #IMPLIED>

<!ELEMENT assert-state (#PCDATA)>

<!ELEMENT assert-timeout (#PCDATA)>

<!ELEMENT atm-cell-bundle-size (#PCDATA)>

```

```
<!ELEMENT atm-vp-bundle-size (#PCDATA)>

<!ELEMENT attached-router (#PCDATA)>

<!ELEMENT attrset (attrset-as | med | local-preference | as-path | communities |
  cluster-id | pmsi | originator)*>

<!ELEMENT attrset-as (#PCDATA)>

<!ELEMENT authentication-algorithm (#PCDATA)>

<!ELEMENT authentication-configured EMPTY>

<!ELEMENT authentication-failure-error (#PCDATA)>

<!ELEMENT authentication-flag (#PCDATA)>

<!ELEMENT authentication-key (#PCDATA)>

<!ELEMENT authentication-key-chain (#PCDATA)>

<!ELEMENT authentication-mismatch-error (#PCDATA)>

<!ELEMENT authentication-tlv (tlv-length)*>

<!ELEMENT authentication-type (#PCDATA)>

<!ELEMENT auto-site-count (#PCDATA)>

<!ELEMENT auto-site-repository-state (#PCDATA)>

<!ELEMENT automatic-site-claim-id (#PCDATA)>

<!ELEMENT automatic-site-collision-detect-time (#PCDATA)>

<!ELEMENT automatic-site-collisions (#PCDATA)>

<!ELEMENT automatic-site-id-status (#PCDATA)>

<!ELEMENT automatic-site-name (#PCDATA)>

<!ELEMENT automatic-site-new-site-wait-time (#PCDATA)>

<!ELEMENT automatic-site-reclaim-wait-time (#PCDATA)>

<!ELEMENT automatic-site-startup-wait-time (#PCDATA)>

<!ELEMENT automatic-site-timer-status (#PCDATA)>

<!ELEMENT automatic-site-timers (automatic-site-startup-wait-time |
  automatic-site-new-site-wait-time | automatic-site-collision-detect-time |
  automatic-site-reclaim-wait-time)*>
<ATTLIST automatic-site-timers heading CDATA #IMPLIED>

<!ELEMENT autonomous-system (#PCDATA)>

<!ELEMENT available-bandwidth (#PCDATA)>

<!ELEMENT average-per-run (#PCDATA)>
```

```

<!ELEMENT average-time (#PCDATA)>

<!ELEMENT backup-next-hop-element (interface-name | isis-next-hop-type |
isis-next-hop | snpa)*>

<!ELEMENT backup-pe-group-name (#PCDATA)>

<!ELEMENT backup-pes (multicast-backup-pe-address)*>

<!ELEMENT backup-root (#PCDATA)>

<!ELEMENT backup-root-metric (#PCDATA)>

<!ELEMENT backup-root-preference (#PCDATA)>

<!ELEMENT bad-packettype-error (#PCDATA)>

<!ELEMENT bad-version-error (#PCDATA)>

<!ELEMENT balance (#PCDATA)>

<!ELEMENT bandwidth (#PCDATA)>

<!ELEMENT bandwidth-for-admission-control (#PCDATA)>

<!ELEMENT bandwidth-model (#PCDATA)>

<!ELEMENT bandwidth-priority (#PCDATA)>

<!ELEMENT bandwidth-type (#PCDATA)>

<!ELEMENT bandwidth_ct0 (#PCDATA)>

<!ELEMENT bandwidth_ct1 (#PCDATA)>

<!ELEMENT bandwidth_ct2 (#PCDATA)>

<!ELEMENT bandwidth_ct3 (#PCDATA)>

<!ELEMENT bc (#PCDATA)>

<!ELEMENT bc-description (#PCDATA)>

<!ELEMENT bdr-address (#PCDATA)>

<!ELEMENT bdr-id (#PCDATA)>

<!ELEMENT bfd-configuration-state (#PCDATA)>

<!ELEMENT bfd-operational-state (#PCDATA)>

<!ELEMENT bgp-bfd (bfd-configuration-state | bfd-operational-state)*>

<!ELEMENT bgp-bmp-information (bmp-addr-port | bmp-state | bmp-memory-consumed |
  bmp-statistics-timeout | bmp-memory-limit | bmp-memory-delay)*>

<!ELEMENT bgp-error (name | send-count | receive-count)*>

<!ELEMENT bgp-group (type | peer-as | local-as | group-index | group-state | name
  | bgp-options | bgp-options2 | group-flags | peer-count | established-count |
  peer-address | flap-count | unconfigured-peers | igp-protocol | route-queue |

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    bgp-peer | bgp-option-information | tracing-information | bgp-rib)*>
    <!ATTLIST bgp-group heading CDATA #IMPLIED>
    <!ATTLIST bgp-group junos:style CDATA #IMPLIED>

    <!ELEMENT bgp-group-information (bgp-group | bgp-information)*>

    <!ELEMENT bgp-group-name (#PCDATA)>

    <!ELEMENT bgp-information (group-count | peer-count | external-peer-count |
    internal-peer-count | down-peer-count | unconfigured-peer-count |
    half-open-peer-count | igp-converging | flap-count | bgp-rib | bgp-peer)*>

    <!ELEMENT bgp-metric-flags (#PCDATA)>

    <!ELEMENT bgp-nlri-flag-aggregate-label EMPTY>

    <!ELEMENT bgp-nlri-flag-explicit-null-for-all-routes EMPTY>

    <!ELEMENT bgp-nlri-flag-explicit-null-for-connected-routes EMPTY>

    <!ELEMENT bgp-nlri-flag-l2vpn-status-vector EMPTY>

    <!ELEMENT bgp-nlri-flag-no-l2vpn-status-vector EMPTY>

    <!ELEMENT bgp-nlri-flag-per-group-label EMPTY>

    <!ELEMENT bgp-nlri-flag-per-prefix-label EMPTY>

    <!ELEMENT bgp-nlri-flag-traffic-stats EMPTY>

    <!ELEMENT bgp-no-label-reason (#PCDATA)>

    <!ELEMENT bgp-option-information (export-policy | import-policy | bgp-options |
    bgp-options2 | authentication-key | authentication-key-chain |
    authentication-algorithm | authentication-configured | address-families |
    drop-path-attributes | ignore-path-attributes | local-address | holdtime |
    metric-out | preference | local-preference | prefix-limit | accepted-prefix-limit
    | addpath-send | addpath-receive | nlri-information | local-as | local-as-private
    | local-system-as | receive-buffer-size | send-buffer-size | outbound-timer |
    med-action | ipsec-sa)*>

    <!ELEMENT bgp-options (#PCDATA)>

    <!ELEMENT bgp-options2 (#PCDATA)>

    <!ELEMENT bgp-orf (peer-address | peer-type | group-name | bgp-orf-nlri-info)*>

    <!ELEMENT bgp-orf-extcomm-filter (extended-community)*>

    <!ELEMENT bgp-orf-filter-info (bgp-orf-extcomm-filter | bgp-orf-prefix-filter)*>

    <!ELEMENT bgp-orf-filter-information (filter-type | filter-mode | filter-in-updates
    | filter-out-updates | filter-qcount | bgp-orf-filter-info)*>

    <!ELEMENT bgp-orf-information (bgp-orf)*>

    <!ELEMENT bgp-orf-nlri-info (nlri-name | filter-in-updates | filter-out-updates
    | filter-qcount | immediate-count | bgp-orf-filter-information)*>

    <!ELEMENT bgp-orf-prefix-filter (prefix-orf)*>
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<!ELEMENT bgp-output-queue (number | count)*>

<!ELEMENT bgp-peer (peer-address | peer-as | local-address | local-as | description
| peer-type | route-reflector-client | peer-state | peer-flags | last-state |
last-event | last-error | bgp-option-information | flap-count | last-flap-event
| peer-id | local-id | active-holdtime | keepalive-interval | peer-index | bgp-bfd
| local-interface-name | local-interface-index | nlri-type-peer |
nlri-type-session | peer-no-refresh | peer-refresh-capability |
peer-4byte-as-capability-not-supported | peer-4byte-as-capability-advertised |
peer-addpath-not-supported | peer-addpath-only-nlri | peer-addpath-only-nlri |
peer-addpath-rs-nlri | peer-restart-nlri-configured | peer-restart-time-configured
| peer-stale-route-time-configured | peer-restart-time-received |
peer-restart-flags-received | peer-restart-nlri-received |
peer-restart-nlri-can-save-state | peer-restart-nlri-state-saved | peer-no-restart
| peer-restart-nlri-negotiated | peer-end-of-rib-received | peer-end-of-rib-sent
| peer-no-helper | peer-end-of-rib-scheduled | last-received | last-sent |
last-checked | input-messages | input-checksum | input-checksum-err | input-updates
| input-refreshes | input-octets | output-messages | output-checksum |
output-updates | output-refreshes | output-octets | input-drop-path-attributes |
input-ignore-path-attributes | buffered-octets-rx | buffered-octets-tx |
bgp-output-queue | route-queue-count | bgp-rib | elapsed-time |
extended-information | bgp-error | route-queue | tracing-information)*>
<!ATTLIST bgp-peer heading CDATA #IMPLIED>
<!ATTLIST bgp-peer junos:style CDATA #IMPLIED>

<!ELEMENT bgp-prefix (#PCDATA)>

<!ELEMENT bgp-rib (name | rib-bit | bgp-rib-state | vpn-rib-state | send-state |
total-external-prefix-count | active-external-prefix-count |
accepted-external-prefix-count | suppressed-external-prefix-count |
total-internal-prefix-count | active-internal-prefix-count |
accepted-internal-prefix-count | suppressed-internal-prefix-count |
total-prefix-count | active-prefix-count | received-prefix-count |
accepted-prefix-count | damped-prefix-count | suppressed-prefix-count |
history-prefix-count | pending-prefix-count | advertised-prefix-count)*>
<!ATTLIST bgp-rib junos:style CDATA #IMPLIED>

<!ELEMENT bgp-rib-state (#PCDATA)>

<!ELEMENT bgp-rsync-ack-queue (bgp-rsync-queue-entry)*>

<!ELEMENT bgp-rsync-ackwait (#PCDATA)>

<!ELEMENT bgp-rsync-error-queue (bgp-rsync-queue-entry)*>

<!ELEMENT bgp-rsync-estab-queue (bgp-rsync-queue-entry)*>

<!ELEMENT bgp-rsync-estab-tm (#PCDATA)>
<!ATTLIST bgp-rsync-estab-tm junos:seconds CDATA #IMPLIED>

<!ELEMENT bgp-rsync-estab-type (bgp-rsync-queue-entry)*>

<!ELEMENT bgp-rsync-flags (#PCDATA)>

<!ELEMENT bgp-rsync-master (bgp-rsync-session-state | bgp-rsync-session-time |
bgp-rsync-session-flaps | bgp-rsync-session-last-flap-reason |
bgp-rsync-session-last-flap-error | bgp-rsync-state | bgp-rsync-state-time |
bgp-rsync-flags | bgp-rsync-rt-state | bgp-rsync-ackwait | bgp-rsync-sowait |
bgp-rsync-sched | bgp-rsync-sendbuf-count | bgp-rsync-walker | bgp-rsync-walk |
bgp-rsync-estab-type | bgp-rsync-ack-queue | bgp-rsync-estab-tm |
bgp-rsync-error-queue | bgp-rsync-stats | bgp-rsync-estab-queue)*>

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<!ELEMENT bgp-rsync-queue-entry (rsy-queue-instance | rsy-queue-addr |
rsy-queue-more)*>

<!ELEMENT bgp-rsync-rt-state (#PCDATA)>

<!ELEMENT bgp-rsync-sched (#PCDATA)>

<!ELEMENT bgp-rsync-sendbuf-count (#PCDATA)>

<!ELEMENT bgp-rsync-session-flaps (#PCDATA)>

<!ELEMENT bgp-rsync-session-last-flap-error (#PCDATA)>

<!ELEMENT bgp-rsync-session-last-flap-reason (#PCDATA)>

<!ELEMENT bgp-rsync-session-state (#PCDATA)>

<!ELEMENT bgp-rsync-session-time (#PCDATA)>

<!ELEMENT bgp-rsync-sowait (#PCDATA)>

<!ELEMENT bgp-rsync-state (#PCDATA)>

<!ELEMENT bgp-rsync-state-time (#PCDATA)>

<!ELEMENT bgp-rsync-stats (open-send-count | estab-send-count | update-send-count
| error-send-count | complete-send-count | open-receive-count |
request-wild-receive-count | request-tgt-receive-count | estab-ack-receive-count
| complete-ack-receive-count)*>

<!ELEMENT bgp-rsync-walk (bgp-rsync-walk-table | bgp-rsync-walk-prefix |
bgp-rsync-walk-prefixlen | queue-count)*>

<!ELEMENT bgp-rsync-walk-prefix (#PCDATA)>

<!ELEMENT bgp-rsync-walk-prefixlen (#PCDATA)>

<!ELEMENT bgp-rsync-walk-table (#PCDATA)>

<!ELEMENT bgp-rsync-walker EMPTY>

<!ELEMENT bgp-rt-flag (#PCDATA)>

<!ELEMENT bgp-rtf-brief (group-name | table-name | bgp-rtf-state-flags |
bgp-rtf-entries)*>

<!ELEMENT bgp-rtf-entries (#PCDATA)>

<!ELEMENT bgp-rtf-entry (rtarget | rtarget-mask)*>

<!ELEMENT bgp-rtf-group (group-name | rtarget-recv-mask | default-mask |
bgp-rtf-state)*>

<!ELEMENT bgp-rtf-information (bgp-rtf-brief | bgp-rtf-group)*>

<!ELEMENT bgp-rtf-state (table-name | bgp-rtf-state-flags | bgp-rtf-entries |
bgp-rtf-entry)*>

<!ELEMENT bgp-rtf-state-flags (#PCDATA)>
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<!ELEMENT bgp-standby (bgp-standby-state | bgp-standby-last-trans |
bgp-standby-sendbuf | bgp-unsync-timer | bgp-unsync-pending-tm | bgp-unsync-queue
| bgp-unsync-pending | bgp-standby-sync-queue)*>

<!ELEMENT bgp-standby-last-trans (#PCDATA)>
<!ATTLIST bgp-standby-last-trans junos:seconds CDATA #IMPLIED>

<!ELEMENT bgp-standby-sendbuf (#PCDATA)>

<!ELEMENT bgp-standby-state (#PCDATA)>

<!ELEMENT bgp-standby-sync-entry (bstandby-iid | bstandby-addr)*>

<!ELEMENT bgp-standby-sync-queue (bgp-standby-sync-entry)*>

<!ELEMENT bgp-sync-information (bgp-rsync-master | bgp-standby)*>

<!ELEMENT bgp-traffic-error (#PCDATA)>

<!ELEMENT bgp-traffic-statistics (bgp-prefix | bgp-traffic-type | bgp-traffic-error
| bgp-traffic-statistics-packet-count | bgp-traffic-statistics-byte-count |
bgp-traffic-statistics-egress-as | bgp-traffic-statistics-advertised-fec-label)*>

<!ELEMENT bgp-traffic-statistics-advertised-fec-label (#PCDATA)>

<!ELEMENT bgp-traffic-statistics-byte-count (#PCDATA)>

<!ELEMENT bgp-traffic-statistics-egress-as (#PCDATA)>

<!ELEMENT bgp-traffic-statistics-error (bgp-traffic-error)*>

<!ELEMENT bgp-traffic-statistics-header (group-name | group-index | nlri-name)*>

<!ELEMENT bgp-traffic-statistics-information (bgp-traffic-statistics-header |
bgp-traffic-statistics | bgp-traffic-statistics-error)*>

<!ELEMENT bgp-traffic-statistics-packet-count (#PCDATA)>

<!ELEMENT bgp-traffic-type (#PCDATA)>

<!ELEMENT bgp-unsync-entry (usy-iid | usy-addr | usy-elapsed | usy-flags |
usy-more)*>

<!ELEMENT bgp-unsync-pending (bgp-unsync-entry)*>

<!ELEMENT bgp-unsync-pending-tm (#PCDATA)>
<!ATTLIST bgp-unsync-pending-tm junos:seconds CDATA #IMPLIED>

<!ELEMENT bgp-unsync-queue (bgp-unsync-entry)*>

<!ELEMENT bgp-unsync-timer (#PCDATA)>
<!ATTLIST bgp-unsync-timer junos:seconds CDATA #IMPLIED>

<!ELEMENT bidirectional EMPTY>

<!ELEMENT bits (#PCDATA)>

<!ELEMENT bmp-addr-port (#PCDATA)>

<!ELEMENT bmp-memory-consumed (#PCDATA)>

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<!ELEMENT bmp-memory-delay (#PCDATA)>
<!ELEMENT bmp-memory-limit (#PCDATA)>
<!ELEMENT bmp-state (#PCDATA)>
<!ELEMENT bmp-statistics-timeout (#PCDATA)>
<!ELEMENT bootstrap-family (address-family | address | bootstrap-priority |
local-address | local-priority | bootstrap-state | bootstrap-timeout)*>
<!ELEMENT bootstrap-priority (#PCDATA)>
<!ELEMENT bootstrap-state (#PCDATA)>
<!ELEMENT bootstrap-timeout (#PCDATA)>
<!ELEMENT branch-lsp-count (#PCDATA)>
<!ELEMENT bridge_inh_del_no_msti (#PCDATA)>
<!ELEMENT bridge_inh_no_msti (#PCDATA)>
<!ELEMENT bridge_rt_add (#PCDATA)>
<!ELEMENT bridge_rt_add_force_updates (#PCDATA)>
<!ELEMENT bridge_rt_add_no_snpa (#PCDATA)>
<!ELEMENT bridge_rt_chg (#PCDATA)>
<!ELEMENT bridge_rt_del (#PCDATA)>
<!ELEMENT bridge_rt_del_not_found (#PCDATA)>
<!ELEMENT broadcast-bytes (#PCDATA)>
<!ELEMENT broadcast-packets (#PCDATA)>
<!ELEMENT bstandby-addr (#PCDATA)>
<!ELEMENT bstandby-iid (#PCDATA)>
<!ELEMENT bucket (#PCDATA)>
<!ELEMENT bucket-avg-entries (#PCDATA)>
<!ELEMENT bucket-count (#PCDATA)>
<!ELEMENT bucket-max-entries (#PCDATA)>
<!ELEMENT bucket-min-entries (#PCDATA)>
<!ELEMENT bucket-std-deviation (#PCDATA)>
<!ELEMENT buffered-octets-rx (#PCDATA)>
<!ELEMENT buffered-octets-tx (#PCDATA)>
<!ELEMENT bulking-indicator (#PCDATA)>
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<!ELEMENT bw-exact (#PCDATA)>

<!ELEMENT bypass-info (lp-status | lp-requested | lp-granted | lp-failure |
total-bypass | bypass-name | bypass-state | bypass-type | rsvp-lp-psb-cnt |
rsvp-lp-backup-lsp-cnt | lp-history)*>

<!ELEMENT bypass-name (#PCDATA)>

<!ELEMENT bypass-repl-avoid-addr (#PCDATA)>

<!ELEMENT bypass-repl-id (#PCDATA)>

<!ELEMENT bypass-repl-interface-id (#PCDATA)>

<!ELEMENT bypass-repl-lp-num (#PCDATA)>

<!ELEMENT bypass-repl-manual-bypass-name (#PCDATA)>

<!ELEMENT bypass-repl-psb-id (#PCDATA)>

<!ELEMENT bypass-repl-resolve-status (#PCDATA)>

<!ELEMENT bypass-repl-state (#PCDATA)>

<!ELEMENT bypass-repl-to-addr (#PCDATA)>

<!ELEMENT bypass-state (#PCDATA)>

<!ELEMENT bypass-type (#PCDATA)>

<!ELEMENT bytes-left (#PCDATA)>

<!ELEMENT c-multicast-address (#PCDATA)>

<!ELEMENT c-multicast-ipv4 (c-multicast-ipv4-entry)*>

<!ELEMENT c-multicast-ipv4-count (#PCDATA)>

<!ELEMENT c-multicast-ipv4-entry (c-multicast-address | provider-tunnel-id |
c-multicast-property)*>

<!ELEMENT c-multicast-ipv6 (c-multicast-ipv6-entry)*>

<!ELEMENT c-multicast-ipv6-count (#PCDATA)>

<!ELEMENT c-multicast-ipv6-entry (c-multicast-address | provider-tunnel-id |
c-multicast-property)*>

<!ELEMENT c-multicast-ipv6-summary (c-multicast-ipv6-count)*>

<!ELEMENT c-multicast-property (#PCDATA)>

<!ELEMENT c-multicast-summary (c-multicast-ipv4-count)*>

<!ELEMENT cac-bandwidth-failure EMPTY>

<!ELEMENT cache-timeout (#PCDATA)>

<!ELEMENT cc-restarting EMPTY>

<!ELEMENT ccc-circuit-name (#PCDATA)>

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<!ELEMENT ccc-circuit-status (#PCDATA)>

<!ELEMENT ccc-circuit-type (#PCDATA)>

<!ELEMENT ccc-connection (ccc-connection-name | ccc-connection-type |
ccc-connection-status | ccc-connection-last-uptime | ccc-connection-up-transitions
| ccc-connection-circuit | ccc-connection-in-labels | ccc-connection-out-labels
| ccc-connection-history)*>

<!ELEMENT ccc-connection-circuit (ccc-circuit-name | ccc-circuit-type |
ccc-circuit-status)*>

<!ELEMENT ccc-connection-history (ccc-connection-history-log)*>

<!ELEMENT ccc-connection-history-log (event-time | event-name |
interface-label-info | receive-lsp-count | transmit-lsp-count)*>

<!ELEMENT ccc-connection-in-labels (mpls-label | no-label)*>
<!-- ATTLIST ccc-connection-in-labels heading CDATA #IMPLIED -->

<!ELEMENT ccc-connection-last-uptime (#PCDATA)>

<!ELEMENT ccc-connection-name (#PCDATA)>

<!ELEMENT ccc-connection-out-labels (mpls-label | no-label)*>
<!-- ATTLIST ccc-connection-out-labels heading CDATA #IMPLIED -->

<!ELEMENT ccc-connection-status (#PCDATA)>

<!ELEMENT ccc-connection-type (#PCDATA)>

<!ELEMENT ccc-connection-up-transitions (#PCDATA)>

<!ELEMENT ccc-information (ccc-no-connections | ccc-link-monitoring-status |
ccc-restarting | ccc-connection)*>

<!ELEMENT ccc-link-monitoring-status (#PCDATA)>

<!-- ELEMENT ccc-no-connections EMPTY -->

<!-- ELEMENT ccc-restarting EMPTY -->

<!ELEMENT cell-bundle-size (#PCDATA)>

<!-- ELEMENT change-messages (#PCDATA) -->

<!-- ELEMENT changed-entity (#PCDATA) -->

<!-- ELEMENT checksum (#PCDATA) -->

<!-- ELEMENT checksum-error (#PCDATA) -->

<!-- ELEMENT circuit-id (#PCDATA) -->

<!-- ELEMENT circuit-type (#PCDATA) -->

<!-- ELEMENT class-bandwidth (#PCDATA) -->

<!-- ELEMENT class-id (#PCDATA) -->
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<!ELEMENT class-type (#PCDATA)>

<!ELEMENT cluster-id (#PCDATA)>

<!ELEMENT color (#PCDATA)>

<!ELEMENT color2 (#PCDATA)>

<!ELEMENT communities (community | extended-community)*>

<!ELEMENT community (#PCDATA)>

<!ELEMENT compare-length (#PCDATA)>

<!ELEMENT complete-ack-receive-count (#PCDATA)>

<!ELEMENT complete-send-count (#PCDATA)>

<!ELEMENT composite-nh (#PCDATA)>

<!ELEMENT composite-nh-count (#PCDATA)>

<!ELEMENT configuration-state (#PCDATA)>

<!ELEMENT connection (connection-id | connection-type | connection-status |
last-change | up-transitions | local-interface | remote-interface | remote-pe |
control-word | control-word-type | interface-encapsulation | inbound-label |
outbound-label | connection-bandwidth | vpls-rsvp-te-p2mp-lsp-information |
connection-protection | history | l2vpn-local-site-id | l2vpn-remote-site-id |
pw-status-tlv | local-pw-status-code | remote-pw-status-code | mesh-group-name |
egress-protection-protector | egress-protection-protected-l2ckt)*>
<!ATTLIST connection heading CDATA #IMPLIED>

<!ELEMENT connection-bandwidth (bandwidth | class-type | class-bandwidth)*>
<!ATTLIST connection-bandwidth heading CDATA #IMPLIED>

<!ELEMENT connection-id (#PCDATA)>

<!ELEMENT connection-protection (#PCDATA)>

<!ELEMENT connection-status (#PCDATA)>

<!ELEMENT connection-type (#PCDATA)>

<!ELEMENT connections-summary (vc-up-count | vc-down-count)*>

<!ELEMENT context-id (#PCDATA)>

<!ELEMENT context-id-local (#PCDATA)>

<!ELEMENT context-identifier (#PCDATA)>

<!ELEMENT context-level1-state (#PCDATA)>

<!ELEMENT context-level2-state (#PCDATA)>

<!ELEMENT context-lsp (#PCDATA)>

<!ELEMENT context-lsp-ingress-router (#PCDATA)>

<!ELEMENT context-lsp-is-detour EMPTY>

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<!ELEMENT context-lsp-name (#PCDATA)>

<!ELEMENT context-lsps EMPTY>

<!ELEMENT context-status (#PCDATA)>

<!ELEMENT context-table (#PCDATA)>

<!ELEMENT context-total-count (#PCDATA)>

<!ELEMENT context-type (#PCDATA)>

<!ELEMENT contributing-route-count (#PCDATA)>

<!ELEMENT control-channel-unusable EMPTY>

<!ELEMENT control-word (#PCDATA)>

<!ELEMENT control-word-type (#PCDATA)>

<!ELEMENT cos (#PCDATA)>

<!ELEMENT cos-info (queue-number | tx-rate | tx-rate-percent | high-priority |
bw-exact)*>

<!ELEMENT count (#PCDATA)>

<!ELEMENT creation-time (#PCDATA)>

<!ELEMENT csnp-interval (#PCDATA)>

<!ELEMENT cspf-paths (total-paths | successful | no-route | sys-error | cspf)*>

<!ELEMENT cspf-queue (current | maximum | dequeued)*>

<!ELEMENT cspf-status (#PCDATA)>

<!ELEMENT cspf-time (#PCDATA)>

<!ELEMENT cspf-timing (total-time | cspf-time | average-time | rpd-time)*>

<!ELEMENT cspf* (#PCDATA)>

<!ELEMENT ct-bw (#PCDATA)>

<!ELEMENT ct-bw0 (#PCDATA)>

<!ELEMENT ct-bw1 (#PCDATA)>

<!ELEMENT ct-bw2 (#PCDATA)>

<!ELEMENT ct-bw3 (#PCDATA)>

<!ELEMENT ct-bw4 (#PCDATA)>

<!ELEMENT ct-bw5 (#PCDATA)>

<!ELEMENT ct-bw6 (#PCDATA)>

<!ELEMENT ct-bw7 (#PCDATA)>
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<!ELEMENT ct-class (#PCDATA)>

<!ELEMENT ct-subscription (#PCDATA)>

<!ELEMENT current (#PCDATA)>

<!ELEMENT current-active EMPTY>

<!ELEMENT current-bandwidth-header EMPTY>

<!ELEMENT current-reserve-bandwidth (#PCDATA)>

<!ELEMENT damped-prefix-count (#PCDATA)>

<!ELEMENT damping-parameters (#PCDATA)>

<!ELEMENT database-entry-state (#PCDATA)>

<!ELEMENT database-telink-id (#PCDATA)>

<!ELEMENT dbd-retransmit-time (#PCDATA)>

<!ELEMENT dbds-retransmit (#PCDATA)>

<!ELEMENT dbds-retransmit-5seconds (#PCDATA)>

<!ELEMENT dead-interval (#PCDATA)>

<!ELEMENT dead-interval-mismatch-error (#PCDATA)>

<!ELEMENT default-damping-parameters EMPTY>

<!ELEMENT default-exclusion-mismatch-error (#PCDATA)>

<!ELEMENT default-mask (#PCDATA)>

<!ELEMENT delete EMPTY>

<!ELEMENT delete-messages (#PCDATA)>

<!ELEMENT deleted EMPTY>

<!ELEMENT dense EMPTY>

<!ELEMENT dense-event (dense-receive-prune | dense-send-prune | dense-join |
dense-graft)*>

<!ELEMENT dense-graft (pim-interface-name | dense-timeout)*>

<!ELEMENT dense-join (pim-interface-name | dense-timeout)*>

<!ELEMENT dense-receive-prune (pim-interface-name | dense-timeout)*>

<!ELEMENT dense-send-prune (pim-interface-name | dense-timeout)*>

<!ELEMENT dense-timeout (#PCDATA)>

<!ELEMENT dep-active (#PCDATA)>

<!ELEMENT dep-entries (#PCDATA)>
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<!ELEMENT dep-flags (#PCDATA)>

<!ELEMENT dep-rtnode-prefix (#PCDATA)>

<!ELEMENT dep-rtnode-prefixlen (#PCDATA)>

<!ELEMENT dequeued (#PCDATA)>

<!ELEMENT description (#PCDATA)>

<!ELEMENT designated-forwarder (#PCDATA)>

<!ELEMENT designated-pe (#PCDATA)>

<!ELEMENT designated-router-address (#PCDATA)>

<!ELEMENT destination-address (#PCDATA)>

<!ELEMENT destination-count (#PCDATA)>

<!ELEMENT destination-network (prefix | destination-network-deleted |
dynamic-tunnel)*>

<!ELEMENT destination-network-deleted EMPTY>

<!ELEMENT destination-prefix (#PCDATA)>

<!ELEMENT destination-router-id (#PCDATA)>

<!ELEMENT destination-tna-address (#PCDATA)>

<!ELEMENT detour (lsp-state | sender-tspec | adspec | path-mtu | path-mtu-in-kernel
| packet-information | explicit-route | record-route | label-out |
lsp-diffserv-info | ct-bw)*>

<!ELEMENT detour-bandwidth (bandwidth-priority | total-reserved-bandwidth |
interface-address)*>

<!ELEMENT detour-branch (source-address | skip-address | lsp-state | sender-tspec
| adspec | path-mtu | explicit-route | record-route | packet-information |
detour-branch-labels)*>

<!ELEMENT detour-branch-labels (label-in | label-out)*>

<!ELEMENT detours (#PCDATA)>

<!ELEMENT disconnected EMPTY>

<!ELEMENT display-count (#PCDATA)>

<!ELEMENT domain (#PCDATA)>

<!ELEMENT domain-flags (#PCDATA)>

<!ELEMENT down-count (#PCDATA)>

<!ELEMENT down-peer-count (#PCDATA)>

<!ELEMENT downstream-assert-neighbor (neighbor-address | neighbor-assert-metric
| neighbor-assert-preference | neighbor-assert-timeout)*>
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<!ELEMENT downstream-interface (pim-interface-name | pruned-timeout |
pim-interface-state)*>

<!ELEMENT downstream-interface-names (#PCDATA)>

<!ELEMENT downstream-neighbor (neighbor-address | neighbor-state | terse-sparse
| terse-rpt | terse-wc | neighbor-timeout)*>

<!ELEMENT dr-address (#PCDATA)>

<!ELEMENT dr-flag (#PCDATA)>

<!ELEMENT dr-id (#PCDATA)>

<!ELEMENT dr-id-one (#PCDATA)>

<!ELEMENT dr-id-two (#PCDATA)>

<!ELEMENT drop-path-attributes (#PCDATA)>

<!ELEMENT dste-bc-bw (#PCDATA)>

<!ELEMENT dste-bc-count (#PCDATA)>

<!ELEMENT dste-bc-header EMPTY>

<!ELEMENT dste-bc-model (#PCDATA)>

<!ELEMENT dvmrp-cache-lifetime (#PCDATA)>

<!ELEMENT dvmrp-capability-flags (dvmrp-neighbor-one-way | dvmrp-neighbor-prune
| dvmrp-neighbor-generation-id | dvmrp-neighbor-mtrace | dvmrp-neighbor-leave |
dvmrp-neighbor-snmp | dvmrp-neighbor-netmask)*>

<!ELEMENT dvmrp-designated-querier-information (#PCDATA)>

<!ELEMENT dvmrp-graft (multicast-group-address | multicast-source-address |
dvmrp-graft-expire-time | dvmrp-neighbor-address)*>

<!ELEMENT dvmrp-graft-expire-time (#PCDATA)>

<!ELEMENT dvmrp-graft-queue-information (dvmrp-instance)*>

<!ELEMENT dvmrp-grafts-sent (#PCDATA)>

<!ELEMENT dvmrp-group (multicast-group-address | dvmrp-prunes-sent |
dvmrp-grafts-sent | dvmrp-cache-lifetime | dvmrp-prune-time | dvmrp-prune-lifetime
| dvmrp-prune)*>

<!ELEMENT dvmrp-instance (instance-name | dvmrp-interface | dvmrp-graft |
dvmrp-neighbor | dvmrp-prefix-entry | dvmrp-prune)*>

<!ELEMENT dvmrp-interface (interface-name | dvmrp-interface-state |
dvmrp-interface-leaf | dvmrp-interface-metric | dvmrp-interface-announcements |
dvmrp-interface-mode | dvmrp-interface-holdtime)*>

<!ELEMENT dvmrp-interface-announcements (#PCDATA)>

<!ELEMENT dvmrp-interface-holdtime (#PCDATA)>

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<!ELEMENT dvmrp-interface-leaf (#PCDATA)>
<!ELEMENT dvmrp-interface-metric (#PCDATA)>
<!ELEMENT dvmrp-interface-mode (#PCDATA)>
<!ELEMENT dvmrp-interface-state (#PCDATA)>
<!ELEMENT dvmrp-interfaces-information (dvmrp-instance)*>
<!ELEMENT dvmrp-major-version (#PCDATA)>
<!ELEMENT dvmrp-minor-version (#PCDATA)>
<!ELEMENT dvmrp-neighbor (dvmrp-neighbor-address | interface-name |
dvmrp-major-version | dvmrp-minor-version | dvmrp-capability-flags |
dvmrp-neighbor-routes | dvmrp-neighbor-timeout | dvmrp-neighbor-transitions)*>
<!ELEMENT dvmrp-neighbor-address (#PCDATA)>
<!ELEMENT dvmrp-neighbor-generation-id EMPTY>
<!ELEMENT dvmrp-neighbor-leave EMPTY>
<!ELEMENT dvmrp-neighbor-mtrace EMPTY>
<!ELEMENT dvmrp-neighbor-netmask EMPTY>
<!ELEMENT dvmrp-neighbor-one-way EMPTY>
<!ELEMENT dvmrp-neighbor-prune EMPTY>
<!ELEMENT dvmrp-neighbor-routes (#PCDATA)>
<!ELEMENT dvmrp-neighbor-snmpp EMPTY>
<!ELEMENT dvmrp-neighbor-timeout (#PCDATA)>
<!ELEMENT dvmrp-neighbor-transitions (#PCDATA)>
<!ELEMENT dvmrp-neighbors-information (dvmrp-instance)*>
<!ELEMENT dvmrp-next-hop (#PCDATA)>
<!ELEMENT dvmrp-prefix (#PCDATA)>
<!ELEMENT dvmrp-prefix-age (#PCDATA)>
<!ATTLIST dvmrp-prefix-age junos:seconds CDATA #IMPLIED>
<!ELEMENT dvmrp-prefix-entry (dvmrp-prefix | dvmrp-prefix-length | dvmrp-next-hop
| dvmrp-prefix-age | dvmrp-group)*>
<!ELEMENT dvmrp-prefix-information (dvmrp-instance)*>
<!ELEMENT dvmrp-prefix-length (#PCDATA)>
<!ELEMENT dvmrp-prune (dvmrp-neighbor-address | multicast-group-address |
multicast-source-address | multicast-source-prefix-length | dvmrp-prune-timeout)*>
<!ELEMENT dvmrp-prune-lifetime (#PCDATA)>
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<!ELEMENT dvmrp-prune-time (#PCDATA)>

<!ELEMENT dvmrp-prune-timeout (#PCDATA)>

<!ELEMENT dvmrp-prunes-information (dvmrp-instance)*>

<!ELEMENT dvmrp-prunes-sent (#PCDATA)>

<!ELEMENT dynamic-tunnel (tunnel-destination | tunnel-state | tunnel-expiry |
tunnel-reference-count | tunnel-nexthop)*>

<!ELEMENT dynamic-tunnel-table (table-name | destination-network)*>

<!ELEMENT dynamic-tunnels-information (dynamic-tunnel-table)*>

<!ELEMENT egress-protection-protected-l2ckt (protected-l2ckt-state |
protected-l2ckt-ingress | protected-l2ckt-egress | protected-l2ckt-vcid)*>

<!ELEMENT egress-protection-protector (protector-state | protector-interface |
interface-status | protector-pe | protector-pe-status | protection-context |
context-status | context-lsp)*>

<!ELEMENT elapsed-time (#PCDATA)>
<!-- ATTENTION: elapsed-time junos:seconds CDATA #IMPLIED -->

<!ELEMENT element (#PCDATA)>

<!ELEMENT elnh-address (#PCDATA)>

<!ELEMENT encoding-type (#PCDATA)>

<!ELEMENT end-system-element (end-system-id | end-system-metric)*>

<!ELEMENT end-system-id (#PCDATA)>

<!ELEMENT end-system-metric (#PCDATA)>

<!ELEMENT entry-state (#PCDATA)>

<!ELEMENT error-count (#PCDATA)>

<!ELEMENT error-count-5seconds (#PCDATA)>

<!ELEMENT error-message (#PCDATA)>

<!ELEMENT error-send-count (#PCDATA)>

<!ELEMENT es-neighbor-id (#PCDATA)>

<!ELEMENT esis-adjacency (esis-neighbor-type | esis-neighbor-id | holdtime |
esis-adjacency-advertised-holdtime | snpa | interface-name | esis-adjacency-log)*>

<!ELEMENT esis-adjacency-advertised-holdtime (#PCDATA)>

<!ELEMENT esis-adjacency-count (#PCDATA)>

<!ELEMENT esis-adjacency-down-reason (#PCDATA)>

<!ELEMENT esis-adjacency-event (#PCDATA)>

<!ELEMENT esis-adjacency-information (esis-adjacency)*>

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<!ATTLIST esis-adjacency-information junos:style CDATA #IMPLIED>

<!ELEMENT esis-adjacency-log (esis-adjacency-when | esis-adjacency-state |
esis-adjacency-event | esis-adjacency-down-reason)*>

<!ELEMENT esis-adjacency-state (#PCDATA)>

<!ELEMENT esis-adjacency-when (#PCDATA)>
<!ATTLIST esis-adjacency-when junos:seconds CDATA #IMPLIED>

<!ELEMENT esis-esct (#PCDATA)>

<!ELEMENT esis-hello-interval (#PCDATA)>

<!ELEMENT esis-interface (interface-name | esis-interface-receives |
esis-interface-sends | interface-index | esis-interface-state-value |
esis-hello-interval | holdtime | esis-esct | esis-adjacency-count |
esis-interface-net)*>

<!ELEMENT esis-interface-information (esis-interface)*>
<!ATTLIST esis-interface-information junos:style CDATA #IMPLIED>

<!ELEMENT esis-interface-net (#PCDATA)>

<!ELEMENT esis-interface-receives (#PCDATA)>

<!ELEMENT esis-interface-sends (#PCDATA)>

<!ELEMENT esis-interface-state-value (#PCDATA)>

<!ELEMENT esis-neighbor-id (#PCDATA)>

<!ELEMENT esis-neighbor-type (#PCDATA)>

<!ELEMENT esis-pdu-statistics (esis-pdu-type | packets-received | packets-processed
| packets-dropped | packets-sent | packets-retransmitted)*>

<!ELEMENT esis-pdu-type (#PCDATA)>

<!ELEMENT esis-statistics-information (esis-pdu-statistics |
esis-totals-information)*>

<!ELEMENT esis-totals-information (packets-received | packets-sent)*>

<!ELEMENT estab-ack-receive-count (#PCDATA)>

<!ELEMENT estab-send-count (#PCDATA)>

<!ELEMENT established-count (#PCDATA)>

<!ELEMENT estimated-free-bytes (#PCDATA)>

<!ELEMENT eswd_nh_notify_fail_iff (#PCDATA)>

<!ELEMENT eswd_nh_notify_fail_ifl (#PCDATA)>

<!ELEMENT event-name (#PCDATA)>

<!ELEMENT event-time (#PCDATA)>

<!ELEMENT everything (pim-statistics-global | pim-statistics-other)*>
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<!ELEMENT expiration-time (#PCDATA)>

<!ELEMENT expire-time (#PCDATA)>
<!ATTLIST expire-time junos:seconds CDATA #IMPLIED>

<!ELEMENT explicit-route (address | explicit-route-type | telink-id)*>
<!ATTLIST explicit-route heading CDATA #IMPLIED>

<!ELEMENT explicit-route-type (#PCDATA)>

<!ELEMENT export-count (#PCDATA)>

<!ELEMENT export-list (#PCDATA)>

<!ELEMENT export-policy (#PCDATA)>

<!ELEMENT ext-int-intf-index (#PCDATA)>

<!ELEMENT ext-int-type (#PCDATA)>

<!ELEMENT ext_rt_add (#PCDATA)>

<!ELEMENT ext_rt_chg (#PCDATA)>

<!ELEMENT ext_rt_del (#PCDATA)>

<!ELEMENT ext_rt_del_not_found (#PCDATA)>

<!ELEMENT extended-community (#PCDATA)>

<!ELEMENT extended-information (#PCDATA)>

<!ELEMENT external-peer-count (#PCDATA)>

<!ELEMENT external-prefix-metric (#PCDATA)>

<!ELEMENT fabric-statistics (vlan_add | vlan_del | vlan_chg | l2domain_null_vlan
| fdb_add | fdb_del | fdb_no_vlan_idx | eswd_nh_notify_fail_ifl |
eswd_nh_notify_fail_iff | bridge_rt_add | bridge_rt_chg | bridge_rt_del |
bridge_rt_del_not_found | bridge_rt_add_no_snpa | bridge_rt_add_force_updates |
mstp_rt_add | mstp_rt_chg | mstp_rt_del | mstp_rt_del_not_found | ext_rt_add |
ext_rt_chg | ext_rt_del | ext_rt_del_not_found | grat_timer_no_l2domain |
grat_local_arp | grat_send_no_l2domain | grat_send_fail | grat_send_ok |
mac_event_grat_timer_started | mac_event_grat_timer_stopped |
rem_arp_grat_timer_started | rem_arp_grat_timer_stopped | rem_arp_no_mac_ip |
rem_arp_add_no_l2domain | rem_arp_del_no_l2domain | local_arp_grat_timer_stopped
| rem_arp_del_no_mac_ip | rem_arp_del_no_tsi | l2l3map_rt_add | l2l3map_rt_del
| l2l3map_rt_del_not_found | ifd_notifications | ifd_rt_add | ifd_rt_chg |
ifd_rt_del | ifd_rt_del_not_found | ip_rt_add | ip_rt_add_no_nh | ip_rt_add_no_snpa
| ip_rt_add_unsupp_inst | ip_rt_chg | ip_rt_del | ip_rt_del_not_found | inh_rt_add
| inh_rt_add_no_fnh | inh_rt_add_no_snpa | inh_rt_add_unsupp_inst | inh_rt_chg
| inh_rt_del | inh_rt_del_not_found | arp_rt_add | arp_rt_add_no_snpa | arp_rt_chg
| arp_nh_null_addr | arp_rt_del | arp_rt_del_no_krtt | arp_rt_del_not_found |
bridge_inh_no_msti | bridge_inh_del_no_msti | rt_inst_add | rt_inst_no_l3domain_tlv
| rt_inst_null_l3domain | rt_inst_del | rt_inst_del_ignore)*>

<!ELEMENT fabric-summary-information (autonomous-system | ine-id | ine-type |
simulation-mode)*>

<!ELEMENT family (#PCDATA)>

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<!ELEMENT fast-reroute-priority (#PCDATA)>

<!ELEMENT fdb_add (#PCDATA)>

<!ELEMENT fdb_del (#PCDATA)>

<!ELEMENT fdb_no_vlan_idx (#PCDATA)>

<!ELEMENT fdep-depnode (dep-rtnode-prefix | dep-rtnode-prefixlen | dep-entries |
  dep-active | dep-flags)*>

<!ELEMENT fdep-destination (#PCDATA)>

<!ELEMENT fdep-inode (fdep-inode-color | fdep-inode-consist | fdep-inode-asn)*>

<!ELEMENT fdep-inode-asn (#PCDATA)>

<!ELEMENT fdep-inode-color (#PCDATA)>

<!ELEMENT fdep-inode-consist (#PCDATA)>

<!ELEMENT fdep-node (fdep-destination | fdep-prefixlen | fdep-inode | fdep-rtnode
  | fdep-depnode)*>

<!ELEMENT fdep-prefixlen (#PCDATA)>

<!ELEMENT fdep-rtnode (rtnode-state | rtnode-refcount | rtnode-origin |
  rtnode-next-as | rtnode-flags)*>

<!ELEMENT filelimit (#PCDATA)>

<!ELEMENT filename (#PCDATA)>

<!ELEMENT filesize (#PCDATA)>

<!ELEMENT filter (#PCDATA)>

<!ELEMENT filter-in-updates (#PCDATA)>

<!ELEMENT filter-mode (#PCDATA)>

<!ELEMENT filter-out-updates (#PCDATA)>

<!ELEMENT filter-qcount (#PCDATA)>

<!ELEMENT filter-type (#PCDATA)>

<!ELEMENT first-hop-address (#PCDATA)>

<!ELEMENT first-update (#PCDATA)>
<ATTLIST first-update junos:seconds CDATA #IMPLIED>

<!ELEMENT firstfrag-lsp-id (#PCDATA)>

<!ELEMENT flags (#PCDATA)>

<!ELEMENT flap-count (#PCDATA)>

<!ELEMENT flood-list-count (#PCDATA)>
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<!ELEMENT flood-queue-depth (#PCDATA)>
<!ELEMENT flooded-bytes (#PCDATA)>
<!ELEMENT flooded-packets (#PCDATA)>
<!ELEMENT flow-bandwidth (#PCDATA)>
<!ELEMENT flow-dep-state (#PCDATA)>
<!ELEMENT flow-map-name (#PCDATA)>
<!ELEMENT flow-origin (#PCDATA)>
<!ELEMENT flow-rtn-dest (#PCDATA)>
<!ELEMENT flow-rtn-plen (#PCDATA)>
<!ELEMENT flow-rtn-state (#PCDATA)>
<!ELEMENT flow-ucast-rt (flow-rtn-dest | flow-rtn-plen | flow-rtn-state)*>
<!ELEMENT formatted-tlv-data (#PCDATA)>
<!ELEMENT forward-address (#PCDATA)>
<!ELEMENT forward-nz EMPTY>
<!ELEMENT forward-rsvp EMPTY>
<!ELEMENT forwarded-packet-count (#PCDATA)>
<!ELEMENT forwarding-nh-count (#PCDATA)>
<!ELEMENT forwarding-rate-kilobytes (#PCDATA)>
<!ELEMENT forwarding-rate-packets (#PCDATA)>
<!ELEMENT fragments-rebuilt (#PCDATA)>
<!ELEMENT gateway (#PCDATA)>
<!ELEMENT gateway-addr (#PCDATA)>
<!ELEMENT gateway-snpa (gateway-addr)*>
<!ELEMENT generation-timer (#PCDATA)>
<!ELEMENT gpid (#PCDATA)>
<!ELEMENT graceful-deletion-timeout (#PCDATA)>
<!ELEMENT graceful-deletion-triggered EMPTY>
<!ELEMENT grat_local_arp (#PCDATA)>
<!ELEMENT grat_send_fail (#PCDATA)>
<!ELEMENT grat_send_no_l2domain (#PCDATA)>
<!ELEMENT grat_send_ok (#PCDATA)>
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<!ELEMENT grat_timer_no_l2domain (#PCDATA)>

<!ELEMENT group-count (#PCDATA)>

<!ELEMENT group-flags (#PCDATA)>

<!ELEMENT group-index (#PCDATA)>

<!ELEMENT group-name (#PCDATA)>

<!ELEMENT group-state (#PCDATA)>

<!ELEMENT hakr-key-algorithm (#PCDATA)>

<!ELEMENT hakr-key-id (#PCDATA)>

<!ELEMENT hakr-key-mode (#PCDATA)>

<!ELEMENT hakr-key-options (#PCDATA)>

<!ELEMENT hakr-key-secret (#PCDATA)>

<!ELEMENT hakr-key-start-time (#PCDATA)>

<!ELEMENT hakr-key-state (#PCDATA)>

<!ELEMENT hakr-keychain (hakr-keychain-name | hakr-keychain-active-send-key |
hakr-keychain-active-receive-key | hakr-keychain-next-send-key |
hakr-keychain-next-receive-key | hakr-keychain-next-key-time |
hakr-keychain-tolerance | hakr-sa-clients | hakr-keys)*>

<!ELEMENT hakr-keychain-active-receive-key (#PCDATA)>

<!ELEMENT hakr-keychain-active-send-key (#PCDATA)>

<!ELEMENT hakr-keychain-information (hakr-keychain | hakr-keys)*>
<!ATTLIST hakr-keychain-information junos:style CDATA #IMPLIED>

<!ELEMENT hakr-keychain-name (#PCDATA)>

<!ELEMENT hakr-keychain-next-key-time (#PCDATA)>

<!ELEMENT hakr-keychain-next-receive-key (#PCDATA)>

<!ELEMENT hakr-keychain-next-send-key (#PCDATA)>

<!ELEMENT hakr-keychain-tolerance (#PCDATA)>

<!ELEMENT hakr-keys (hakr-key-id | hakr-key-secret | hakr-key-algorithm |
hakr-key-mode | hakr-key-state | hakr-key-options | hakr-key-start-time)*>

<!ELEMENT hakr-sa-clients (#PCDATA)>

<!ELEMENT half-open-peer-count (#PCDATA)>

<!ELEMENT hello-default-holdtime (#PCDATA)>

<!ELEMENT hello-default-holdtime-remaining (#PCDATA)>

<!ELEMENT hello-dr-priority (#PCDATA)>
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<!ELEMENT hello-generation-id (#PCDATA)>
<!ELEMENT hello-holdtime (#PCDATA)>
<!ELEMENT hello-holdtime-remaining (#PCDATA)>
<!ELEMENT hello-interval (#PCDATA)>
<!ELEMENT hello-interval-mismatch-error (#PCDATA)>
<!ELEMENT hello-lanprune-delay (#PCDATA)>
<!ELEMENT hello-nbr-t-bit EMPTY>
<!ELEMENT hello-override-interval (#PCDATA)>
<!ELEMENT hello-padding (#PCDATA)>
<!ELEMENT hello-received-error (#PCDATA)>
<!ELEMENT hello-time (#PCDATA)>
<!ELEMENT hellos-received (#PCDATA)>
<!ELEMENT hellos-sent (#PCDATA)>
<!ELEMENT helper-nhid (#PCDATA)>
<!ELEMENT helper-refcount (#PCDATA)>
<!ELEMENT helper-status (#PCDATA)>
<!ELEMENT hidden-route-count (#PCDATA)>
<!ELEMENT high-priority (#PCDATA)>
<!ELEMENT high-watermark (#PCDATA)>
<!ELEMENT history (log-time-stamp | log-event | changed-entity)*>
<!ATTLIST history category-heading CDATA #IMPLIED>
<!ATTLIST history heading CDATA #IMPLIED>
<!ELEMENT history-prefix-count (#PCDATA)>
<!ELEMENT hold-priority (#PCDATA)>
<!ELEMENT holddown-route-count (#PCDATA)>
<!ELEMENT holdtime (#PCDATA)>
<!ELEMENT hoplimit (#PCDATA)>
<!ELEMENT host-count (#PCDATA)>
<!ELEMENT host-interface (#PCDATA)>
<!ELEMENT host-record (record-type | receiver | record-timeout)*>
<!ELEMENT hostname (#PCDATA)>
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<!ELEMENT hostname-tlv (hostname)*>
<!ELEMENT identifier (#PCDATA)>
<!ELEMENT idrp-tlv (tlv-length)*>
<!ELEMENT ifd_notifications (#PCDATA)>
<!ELEMENT ifd_rt_add (#PCDATA)>
<!ELEMENT ifd_rt_chg (#PCDATA)>
<!ELEMENT ifd_rt_del (#PCDATA)>
<!ELEMENT ifd_rt_del_not_found (#PCDATA)>
<!ELEMENT ifl-repository-state (#PCDATA)>
<!ELEMENT iflist-next-hop (next-hop-id | next-hop-ref-count |
next-hop-kernel-ref-count | next-hop-downstream-interface)*>
<!ELEMENT igmp-group-information (mgm-interface-groups)*>
<!ELEMENT igmp-hosts-information (mgm-disabled-interface-name | mgm-interface)*>
<!ELEMENT igmp-interface-information (mgm-interface | mgm-configured-parameters
| mgm-derived-parameters | mgm-amt-configured-parameters |
mgm-amt-derived-parameters)*>
<!ELEMENT igmp-output-group-information (mgm-interface-output-groups)*>
<!ELEMENT igmp-statistics-information (mgm-statistics-interface |
mgm-statistics-other | mgm-statistics-global | mgm-statistics-all)*>
<!ELEMENT ignore-path-attributes (#PCDATA)>
<!ELEMENT igp-converging EMPTY>
<!ELEMENT igp-ldp-sync-holdtime (#PCDATA)>
<!ELEMENT igp-ldp-sync-last-change (#PCDATA)>
<!ELEMENT igp-ldp-sync-reason (#PCDATA)>
<!ELEMENT igp-ldp-sync-state (#PCDATA)>
<!ELEMENT igp-ldp-sync-timeleft (#PCDATA)>
<!ATTLIST igp-ldp-sync-timeleft junos:seconds CDATA #IMPLIED>
<!ELEMENT igp-protocol (#PCDATA)>
<!ELEMENT immediate-count (#PCDATA)>
<!ELEMENT import-count (#PCDATA)>
<!ELEMENT import-list (#PCDATA)>
<!ELEMENT import-policy (#PCDATA)>
<!ELEMENT inactive-reason (#PCDATA)>
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<!ELEMENT inbound-label (#PCDATA)>

<!ELEMENT incomplete EMPTY>

<!ELEMENT index (#PCDATA)>

<!ELEMENT indication-lsa EMPTY>

<!ELEMENT indirect-nh (#PCDATA)>

<!ELEMENT indirect-nh-count (#PCDATA)>

<!ELEMENT ine-id (#PCDATA)>

<!ELEMENT ine-type (#PCDATA)>

<!ELEMENT ingress-replication-information (ir-tunnel | ir-unicast-tunnel)*>

<!ELEMENT inh-id (#PCDATA)>

<!ELEMENT inh-snpa (inh-id)*>

<!ELEMENT inh_rt_add (#PCDATA)>

<!ELEMENT inh_rt_add_no_fnh (#PCDATA)>

<!ELEMENT inh_rt_add_no_snpa (#PCDATA)>

<!ELEMENT inh_rt_add_unsupp_inst (#PCDATA)>

<!ELEMENT inh_rt_chg (#PCDATA)>

<!ELEMENT inh_rt_del (#PCDATA)>

<!ELEMENT inh_rt_del_not_found (#PCDATA)>

<!ELEMENT input-checksum (#PCDATA)>

<!ELEMENT input-checksum-err (#PCDATA)>

<!ELEMENT input-drop-path-attributes (#PCDATA)>

<!ELEMENT input-ignore-path-attributes (#PCDATA)>

<!ELEMENT input-messages (#PCDATA)>

<!ELEMENT input-octets (#PCDATA)>

<!ELEMENT input-refreshes (#PCDATA)>

<!ELEMENT input-updates (#PCDATA)>

<!ELEMENT installation-time (#PCDATA)>

<!ELEMENT instance (instance-name | instance-display-error | reference-site |
ldp-vpls-reference-site | vpls-protocol-state | vpls-rsvp-te-ingress-p2mp-lsp |
provider-tunnel | neighbor | c-multicast-ipv4 | c-multicast-ipv6)*>
<!ATTLIST instance junos:style CDATA #IMPLIED>

<!ELEMENT instance-core (instance-name | instance-description | router-id |
instance-type | instance-state | instance-restart-state | instance-pathsel-timeout

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| instance-rib | instance-interface | instance-vrf | instance-vpls-meshgroup)*>
<!ATTLIST instance-core heading CDATA #IMPLIED>

<!ELEMENT instance-description (#PCDATA)>

<!ELEMENT instance-display-error (#PCDATA)>

<!ELEMENT instance-entry (instance-name | ngen-mvpn-mode | instance-display-error
| provider-tunnel | neighbor | c-multicast-ipv4 | c-multicast-ipv6)*>

<!ELEMENT instance-entry-summary (neighbor-summary | c-multicast-summary |
c-multicast-ipv6-summary)*>

<!ELEMENT instance-flags (#PCDATA)>

<!ELEMENT instance-id (#PCDATA)>

<!ELEMENT instance-id-mismatch-error (#PCDATA)>

<!ELEMENT instance-information (instance-core)*>
<!ATTLIST instance-information junos:style CDATA #IMPLIED>

<!ELEMENT instance-interface (interface-name)*>

<!ELEMENT instance-name (#PCDATA)>

<!ELEMENT instance-options (#PCDATA)>

<!ELEMENT instance-pathsel-timeout (#PCDATA)>

<!ELEMENT instance-restart-state (#PCDATA)>

<!ELEMENT instance-rib (irib-name | irib-route-count | irib-active-count |
irib-holddown-count | irib-hidden-count | irib-restart-state)*>

<!ELEMENT instance-state (#PCDATA)>

<!ELEMENT instance-type (#PCDATA)>

<!ELEMENT instance-vpls-meshgroup (meshgroup-name | route-distinguisher |
meshgroup-vrf-import | meshgroup-vrf-export | meshgroup-vrf-import-target |
meshgroup-vrf-export-target)*>

<!ELEMENT instance-vrf (route-distinguisher | vrf-import | vrf-export |
vrf-import-target | vrf-export-target | vrf-label-allocation |
vrf-label-substitution | fast-reroute-priority)*>

<!ELEMENT interface (interface-name | interface-id | interface-description |
local-interface-index | interface-flags | interface-flags-description)*>

<!ELEMENT interface-address (#PCDATA)>

<!ELEMENT interface-cost (#PCDATA)>

<!ELEMENT interface-description (#PCDATA)>

<!ELEMENT interface-description-list (#PCDATA)>

<!ELEMENT interface-disabled-flag EMPTY>

<!ELEMENT interface-encapsulation (#PCDATA)>
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<!ELEMENT interface-flags (#PCDATA)>

<!ELEMENT interface-flags-description (#PCDATA)>

<!ELEMENT interface-flood-list-count (#PCDATA)>

<!ELEMENT interface-flood-reduction EMPTY>

<!ELEMENT interface-id (#PCDATA)>

<!ELEMENT interface-index (#PCDATA)>

<!ELEMENT interface-join-sg-count (#PCDATA)>

<!ELEMENT interface-join-tsg-count (#PCDATA)>

<!ELEMENT interface-label-info (#PCDATA)>

<!ELEMENT interface-level-data (level | adjacency-count | interface-priority |
metric | te-metric | passive | hello-time | holdtime | dr-id-one | dr-id-two |
dr-flag | isis-interface-level-topology)*>

<!ELEMENT interface-link-name (#PCDATA)>

<!ELEMENT interface-local-bandwidth-deduction (#PCDATA)>

<!ELEMENT interface-mapped-bandwidth-deduction (#PCDATA)>

<!ELEMENT interface-max-bandwidth (#PCDATA)>

<!ELEMENT interface-mismatch-count (#PCDATA)>

<!ELEMENT interface-name (#PCDATA)>

<!ELEMENT interface-nh-index (#PCDATA)>

<!ELEMENT interface-no-qos-adjust (#PCDATA)>

<!ELEMENT interface-priority (#PCDATA)>

<!ELEMENT interface-protection-type (#PCDATA)>

<!ELEMENT interface-remaining-bandwidth (#PCDATA)>

<!ELEMENT interface-repository-state (#PCDATA)>

<!ELEMENT interface-reverse-oif-mapping (#PCDATA)>

<!ELEMENT interface-reverse-oif-mapping-no-qos-adjust (#PCDATA)>

<!ELEMENT interface-secondary EMPTY>

<!ELEMENT interface-state (#PCDATA)>

<!ELEMENT interface-state-value (#PCDATA)>

<!ELEMENT interface-statistics (interface | remote-pe | broadcast-packets |
broadcast-bytes | multicast-packets | multicast-bytes | flooded-packets |
flooded-bytes | unicast-packets | unicast-bytes | mac-limit | num-mac-count)*>

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<!ELEMENT interface-status (#PCDATA)>

<!ELEMENT interface-subscriber-leave-timer (#PCDATA)>

<!ELEMENT interface-type (#PCDATA)>

<!ELEMENT internal-peer-count (#PCDATA)>

<!ELEMENT ip-address (#PCDATA)>

<!ELEMENT ip-prefix-tlv (isis-topology-id | address-prefix | metric | prefix-status
| subtlv-size | isis-prefix-subtlv)*>
<ATTLIST ip-prefix-tlv heading CDATA #IMPLIED>

<!ELEMENT ip-protocol-version (#PCDATA)>

<!ELEMENT ip_rt_add (#PCDATA)>

<!ELEMENT ip_rt_add_no_nh (#PCDATA)>

<!ELEMENT ip_rt_add_no_snpa (#PCDATA)>

<!ELEMENT ip_rt_add_unsupp_inst (#PCDATA)>

<!ELEMENT ip_rt_chg (#PCDATA)>

<!ELEMENT ip_rt_del (#PCDATA)>

<!ELEMENT ip_rt_del_not_found (#PCDATA)>

<!ELEMENT ipaddress-tlv (address)*>

<!ELEMENT ipsec-sa (#PCDATA)>

<!ELEMENT ipv6-address (#PCDATA)>

<!ELEMENT ipv6-ra-advertisement (ipv6-source-address | ipv6-ra-time-since |
ipv6-ra-managed-flag | ipv6-ra-managed-flag-conflict | ipv6-ra-other-config-flag
| ipv6-ra-other-config-flag-conflict | ipv6-ra-link-mtu |
ipv6-ra-link-mtu-conflict | ipv6-ra-reachable-time |
ipv6-ra-reachable-time-conflict | ipv6-ra-default-lifetime |
ipv6-ra-default-lifetime-conflict | ipv6-ra-retransmit-timer |
ipv6-ra-retransmit-timer-conflict | ipv6-ra-current-hop-limit |
ipv6-ra-current-hop-limit-conflict | ipv6-ra-prefix)*>

<!ELEMENT ipv6-ra-advertisement-sent-time (#PCDATA)>
<ATTLIST ipv6-ra-advertisement-sent-time junos:seconds CDATA #IMPLIED>

<!ELEMENT ipv6-ra-advertisements-received (#PCDATA)>

<!ELEMENT ipv6-ra-advertisements-sent (#PCDATA)>

<!ELEMENT ipv6-ra-current-hop-limit (#PCDATA)>

<!ELEMENT ipv6-ra-current-hop-limit-conflict (#PCDATA)>

<!ELEMENT ipv6-ra-default-lifetime (#PCDATA)>

<!ELEMENT ipv6-ra-default-lifetime-conflict (#PCDATA)>

<!ELEMENT ipv6-ra-information (ipv6-ra-interface)*>
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<!ELEMENT ipv6-ra-interface (interface-name | ipv6-ra-advertisements-sent |
ipv6-ra-advertisement-sent-time | ipv6-ra-solicits-received |
ipv6-ra-solicit-receive-time | ipv6-ra-advertisements-received | vrrp-group |
ipv6-ra-advertisement)*>

<!ELEMENT ipv6-ra-link-mtu (#PCDATA)>

<!ELEMENT ipv6-ra-link-mtu-conflict (#PCDATA)>

<!ELEMENT ipv6-ra-managed-flag (#PCDATA)>

<!ELEMENT ipv6-ra-managed-flag-conflict (#PCDATA)>

<!ELEMENT ipv6-ra-other-config-flag (#PCDATA)>

<!ELEMENT ipv6-ra-other-config-flag-conflict (#PCDATA)>

<!ELEMENT ipv6-ra-prefix (ipv6-ra-prefix-address | ipv6-ra-prefix-valid-lifetime
| ipv6-ra-prefix-valid-lifetime-conflict | ipv6-ra-prefix-preferred-lifetime |
ipv6-ra-prefix-preferred-lifetime-conflict | ipv6-ra-prefix-on-link |
ipv6-ra-prefix-on-link-conflict | ipv6-ra-prefix-autonomous |
ipv6-ra-prefix-autonomous-conflict)*>

<!ELEMENT ipv6-ra-prefix-address (#PCDATA)>

<!ELEMENT ipv6-ra-prefix-autonomous (#PCDATA)>

<!ELEMENT ipv6-ra-prefix-autonomous-conflict (#PCDATA)>

<!ELEMENT ipv6-ra-prefix-on-link (#PCDATA)>

<!ELEMENT ipv6-ra-prefix-on-link-conflict (#PCDATA)>

<!ELEMENT ipv6-ra-prefix-preferred-lifetime (#PCDATA)>

<!ELEMENT ipv6-ra-prefix-preferred-lifetime-conflict (#PCDATA)>

<!ELEMENT ipv6-ra-prefix-valid-lifetime (#PCDATA)>

<!ELEMENT ipv6-ra-prefix-valid-lifetime-conflict (#PCDATA)>

<!ELEMENT ipv6-ra-reachable-time (#PCDATA)>

<!ELEMENT ipv6-ra-reachable-time-conflict (#PCDATA)>

<!ELEMENT ipv6-ra-retransmit-timer (#PCDATA)>

<!ELEMENT ipv6-ra-retransmit-timer-conflict (#PCDATA)>

<!ELEMENT ipv6-ra-solicit-receive-time (#PCDATA)>
<ATTLIST ipv6-ra-solicit-receive-time junos:seconds CDATA #IMPLIED>

<!ELEMENT ipv6-ra-solicits-received (#PCDATA)>

<!ELEMENT ipv6-ra-time-since (#PCDATA)>
<ATTLIST ipv6-ra-time-since junos:seconds CDATA #IMPLIED>

<!ELEMENT ipv6-reachability-tlv (isis-topology-id | ipv6-address | metric |
prefix-extern | prefix-downflag | subtlv-size | isis-prefix-subtlv)*>
<ATTLIST ipv6-reachability-tlv heading CDATA #IMPLIED>

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<!ELEMENT ipv6-source-address (#PCDATA)>

<!ELEMENT ipv6address-tlv (address)*>

<!ELEMENT ir-tunnel (ir-tunnel-entry)*>
<!ATTLIST ir-tunnel junos:style CDATA #IMPLIED>

<!ELEMENT ir-tunnel-application (#PCDATA)>

<!ELEMENT ir-tunnel-entry (ir-tunnel-name | ir-tunnel-application |
ir-unicast-tunnel)*>

<!ELEMENT ir-tunnel-name (#PCDATA)>

<!ELEMENT ir-unicast-tunnel (ir-unicast-tunnel-entry)*>

<!ELEMENT ir-unicast-tunnel-dst (#PCDATA)>

<!ELEMENT ir-unicast-tunnel-entry (ir-unicast-tunnel-dst | ir-unicast-tunnel-type
| ir-unicast-tunnel-mode | ir-unicast-tunnel-state)*>

<!ELEMENT ir-unicast-tunnel-mode (#PCDATA)>

<!ELEMENT ir-unicast-tunnel-state (#PCDATA)>

<!ELEMENT ir-unicast-tunnel-type (#PCDATA)>

<!ELEMENT irb-present (#PCDATA)>

<!ELEMENT irib-active-count (#PCDATA)>

<!ELEMENT irib-hidden-count (#PCDATA)>

<!ELEMENT irib-holddown-count (#PCDATA)>

<!ELEMENT irib-name (#PCDATA)>

<!ELEMENT irib-restart-state (#PCDATA)>

<!ELEMENT irib-route-count (#PCDATA)>

<!ELEMENT is-detour EMPTY>

<!ELEMENT is-fastreroute EMPTY>

<!ELEMENT is-inter-domain-path EMPTY>

<!ELEMENT is-linkprotection EMPTY>

<!ELEMENT is-neighbor-id (#PCDATA)>

<!ELEMENT is-nodeprotection EMPTY>

<!ELEMENT is-primary EMPTY>

<!ELEMENT is-reachability (isis-fragment | isis-topology-id | is-neighbor-id |
flags | isis-pseudonode | interface-name | metric | subtlv-size | srlgtlv-size |
te-metric | local-address | remote-address | local-ifindex | remote-ifindex |
level)*>
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<!ELEMENT is-soft-preemption EMPTY>

<!ELEMENT isis-adjacency (interface-name | system-name | not-remote-address |
level | adjacency-state | holdtime | interface-priority | transition-count |
last-transition-time | circuit-type | adjacency-restart-capable |
adjacency-advertisement | adjacency-flag | adjacency-topologies | mac-address |
lan-id | ip-address | ipv6-address | snpa | isis-adjacency-log)*>

<!ELEMENT isis-adjacency-holddown (#PCDATA)>

<!ELEMENT isis-adjacency-information (isis-adjacency)*>
<!ATTLIST isis-adjacency-information junos:style CDATA #IMPLIED>

<!ELEMENT isis-adjacency-log (adjacency-when | adjacency-state | adjacency-event
| adjacency-down-reason)*>

<!ELEMENT isis-attached-bit-evaluation (#PCDATA)>

<!ELEMENT isis-authentication-information (isis-interface-authentication |
isis-lsp-authentication)*>

<!ELEMENT isis-backup-coverage (isis-topology-id | level | isis-node-coverage |
isis-route-coverage-ipv4 | isis-route-coverage-ipv6 | isis-route-coverage-clns)*>

<!ELEMENT isis-backup-coverage-information (isis-backup-coverage)*>

<!ELEMENT isis-backup-mplsp (lsp-name | lsp-status | lsp-addr | metric | te-metric
| lsp-last-change | lsp-refcount)*>

<!ELEMENT isis-backup-mplsp-information (isis-backup-mplsp)*>

<!ELEMENT isis-backup-spf-result (node-id | no-first-fragment | backup-root |
backup-root-metric | metric | backup-root-preference | track-item |
next-hop-element | backup-next-hop-element | no-coverage-reason)*>

<!ELEMENT isis-context (isis-context-id | isis-context-level |
isis-context-owner-proto | isis-context-role | isis-context-primary |
isis-context-metric | isis-context-advertiser-router-id | isis-context-advertiser
| isis-context-advertiser-metric | isis-context-advertiser-level)*>
<!ATTLIST isis-context heading CDATA #IMPLIED>

<!ELEMENT isis-context-advertiser (#PCDATA)>

<!ELEMENT isis-context-advertiser-level (#PCDATA)>

<!ELEMENT isis-context-advertiser-metric (#PCDATA)>

<!ELEMENT isis-context-advertiser-router-id (#PCDATA)>

<!ELEMENT isis-context-id (#PCDATA)>

<!ELEMENT isis-context-information (isis-context)*>
<!ATTLIST isis-context-information junos:style CDATA #IMPLIED>

<!ELEMENT isis-context-information-local (isis-context-local)*>
<!ATTLIST isis-context-information-local junos:style CDATA #IMPLIED>

<!ELEMENT isis-context-level (#PCDATA)>

<!ELEMENT isis-context-local (context-id-local | context-level1-state |
context-level2-state | metric-one | metric-two)*>

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<!ATTLIST isis-context-local heading CDATA #IMPLIED>

<!ELEMENT isis-context-metric (#PCDATA)>

<!ELEMENT isis-context-owner-proto (#PCDATA)>

<!ELEMENT isis-context-primary (#PCDATA)>

<!ELEMENT isis-context-role (#PCDATA)>

<!ELEMENT isis-database (level | isis-database-entry | lsp-count)*>

<!ELEMENT isis-database-entry (lsp-id | sequence-number | checksum |
remaining-lifetime | lsp-attributes | isis-neighbor | isis-prefix | isis-header
| isis-packet | lsp-stub | isis-tlv | transmission-status | isis-es-neighbor)*>

<!ELEMENT isis-database-information (isis-database)*>
<!ATTLIST isis-database-information junos:style CDATA #IMPLIED>

<!ELEMENT isis-database-local (level | isis-database-local-entry)*>

<!ELEMENT isis-database-local-data (isis-database-local-data-type |
isis-database-local-data-name | tlv-size | address | protocol | mtid | router-id
| hostname | prefix-reachability | is-reachability | unknown-local-data)*>

<!ELEMENT isis-database-local-data-name (#PCDATA)>

<!ELEMENT isis-database-local-data-type (#PCDATA)>

<!ELEMENT isis-database-local-entry (lsp-id | sequence-number | checksum |
remaining-lifetime | lsp-attributes | isis-database-local-data |
estimated-free-bytes)*>

<!ELEMENT isis-database-local-information (isis-database-local)*>

<!ELEMENT isis-es-neighbor (es-neighbor-id | metric | reachability-delay |
reachability-expense | reachability-error)*>

<!ELEMENT isis-external-preference (#PCDATA)>

<!ELEMENT isis-fragment (#PCDATA)>

<!ELEMENT isis-header (lsp-id | pdu-length | allocated-length | router-id |
remaining-lifetime | level | interface-index | estimated-free-bytes |
actual-free-bytes | lsdb-timer-type | lsdb-expiration-time | needs-rebuild |
protocol)*>

<!ELEMENT isis-hostname (system-id | system-name | isis-hostname-type)*>

<!ELEMENT isis-hostname-information (isis-hostname)*>

<!ELEMENT isis-hostname-type (#PCDATA)>

<!ELEMENT isis-ignore-lsp-metrics EMPTY>

<!ELEMENT isis-interface (interface-name | circuit-type | circuit-id |
isis-interface-state-one | isis-interface-state-two | interface-disabled-flag |
dr-id-one | dr-id-two | metric-one | metric-two | interface-index |
interface-state-value | lsp-interval | csnp-interval | hello-padding |
interface-protection-type | no-eligible-backup | system-name | mesh-group |
adjacency-advertisement | interface-level-data | igp-ldp-sync-holdtime |
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igp-ldp-sync-state | igp-ldp-sync-last-change | igp-ldp-sync-reason |
igp-ldp-sync-timeleft)*>
<!ATTLIST isis-interface heading CDATA #IMPLIED>

<!ELEMENT isis-interface-authentication (interface-name |
isis-interface-level-authentication)*>

<!ELEMENT isis-interface-information (isis-interface)*>
<!ATTLIST isis-interface-information junos:style CDATA #IMPLIED>

<!ELEMENT isis-interface-level-authentication (level |
isis-interface-level-iih-authentication | isis-interface-level-csn-authentication
| isis-interface-level-psn-authentication)*>

<!ELEMENT isis-interface-level-csn-authentication (#PCDATA)>

<!ELEMENT isis-interface-level-iih-authentication (#PCDATA)>

<!ELEMENT isis-interface-level-psn-authentication (#PCDATA)>

<!ELEMENT isis-interface-level-topology (isis-topology-id | isis-topology-metric)*>

<!ELEMENT isis-interface-state-one (#PCDATA)>

<!ELEMENT isis-interface-state-two (#PCDATA)>

<!ELEMENT isis-ipv4-multicast-rpf-routes EMPTY>

<!ELEMENT isis-iso-prefix-tlv (metric | metric-flag | reachability-delay |
reachability-expense | reachability-error | prefix-status | iso-prefix)*>
<!ATTLIST isis-iso-prefix-tlv heading CDATA #IMPLIED>

<!ELEMENT isis-level (#PCDATA)>

<!ELEMENT isis-level-information (isis-level | isis-preference |
isis-external-preference | isis-prefix-export-limit | isis-narrow-metrics |
isis-wide-metrics)*>

<!ELEMENT isis-level-lsp-authentication (#PCDATA)>

<!ELEMENT isis-lsp-authentication (level | isis-level-lsp-authentication)*>

<!ELEMENT isis-lsp-lifetime (#PCDATA)>
<!ATTLIST isis-lsp-lifetime junos:seconds CDATA #IMPLIED>

<!ELEMENT isis-max-areas (#PCDATA)>

<!ELEMENT isis-narrow-metrics EMPTY>

<!ELEMENT isis-neighbor (isis-topology-id | is-neighbor-id | metric |
two-way-lsp-id | firstfrag-lsp-id | reachability-delay | reachability-expense |
reachability-error)*>

<!ELEMENT isis-next-hop (#PCDATA)>

<!ELEMENT isis-next-hop-type (#PCDATA)>

<!ELEMENT isis-node-coverage (#PCDATA)>

<!ELEMENT isis-overload-allow-route-leaking (#PCDATA)>

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<!ELEMENT isis-overload-enabled EMPTY>

<!ELEMENT isis-overload-high-metrics (#PCDATA)>

<!ELEMENT isis-overload-information (isis-overload-enabled |
isis-overload-high-metrics | isis-overload-allow-route-leaking |
isis-overload-timeout | isis-overload-remaining-time)*>

<!ELEMENT isis-overload-remaining-time (#PCDATA)>
<!ATTLIST isis-overload-remaining-time junos:seconds CDATA #IMPLIED>

<!ELEMENT isis-overload-timeout (#PCDATA)>
<!ATTLIST isis-overload-timeout junos:seconds CDATA #IMPLIED>

<!ELEMENT isis-overview (instance-name | isis-router-id | isis-max-areas |
isis-lsp-lifetime | isis-reference-bandwidth | isis-adjacency-holddown |
isis-attached-bit-evaluation | isis-spf-information | isis-overload-information
| isis-routing | isis-traffic-engineering | isis-restart |
isis-level-information)*>

<!ELEMENT isis-overview-information (isis-overview)*>

<!ELEMENT isis-packet (lsp-id | pdu-length | pdu-lifetime | checksum |
sequence-number | lsp-attributes | nlp-id | mtid | lsp-length | pdu-version |
system-id-length | isis-packet-type | packet-version | maximum-area)*>

<!ELEMENT isis-packet-type (#PCDATA)>

<!ELEMENT isis-pdu-statistics (isis-pdu-type | packets-received | packets-processed
| packets-dropped | packets-sent | packets-retransmitted)*>

<!ELEMENT isis-pdu-type (#PCDATA)>

<!ELEMENT isis-preference (#PCDATA)>

<!ELEMENT isis-prefix (protocol-name | isis-topology-id | address-prefix | metric
| prefix-flag | prefix-status | reachability-delay | reachability-expense |
reachability-error)*>
<!ATTLIST isis-prefix junos:style CDATA #IMPLIED>

<!ELEMENT isis-prefix-export-limit (#PCDATA)>

<!ELEMENT isis-prefix-subtlv (isis-prefix-tag)*>

<!ELEMENT isis-prefix-tag (isis-prefix-tag-index | isis-prefix-tag-value)*>

<!ELEMENT isis-prefix-tag-index (#PCDATA)>

<!ELEMENT isis-prefix-tag-value (#PCDATA)>

<!ELEMENT isis-pseudonode (#PCDATA)>

<!ELEMENT isis-reachability-subtlv (isis-subtlv-type | subtlv-length |
max-bandwidth | max-reserve-bandwidth | current-bandwidth-header |
current-reserve-bandwidth | admin-groups | bandwidth-priority | local-ifindex |
remote-ifindex | address | neighbor-prefix | address-prefix | prefix-err-message
| te-metric | dste-bc-header | dste-bc-model | dste-bc-count | dste-bc-bw)*>

<!ELEMENT isis-reference-bandwidth (#PCDATA)>

<!ELEMENT isis-replication-adjacency (interface-name | system-name | level |
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adjacency-state | snpa | instance-name | interface-index | reference-count |
transition-count | last-transition-time | adjacency-event)*>

<!ELEMENT isis-replication-adjacency-information (isis-replication-adjacency)*>

<!ELEMENT isis-replication-database (instance-name | level |
isis-replication-database-entry | isis-replication-database-entry-count)*>

<!ELEMENT isis-replication-database-entry (lsp-id | sequence-number | checksum |
remaining-lifetime | replication-entry-in-use)*>

<!ELEMENT isis-replication-database-entry-count (#PCDATA)>

<!ELEMENT isis-replication-database-information (isis-replication-database)*>

<!ELEMENT isis-replication-interface (interface-name | instance-name | circuit-id
| dr-id-one | dr-id-two | isis-interface-state-one | isis-interface-state-two |
replication-entry-in-use)*>

<!ELEMENT isis-replication-interface-information (isis-replication-interface)*>

<!ELEMENT isis-replication-statistics (isis-replication-type | add-messages |
change-messages | delete-messages)*>

<!ELEMENT isis-replication-statistics-information (isis-replication-statistics)*>

<!ELEMENT isis-replication-system-id (instance-name | system-id |
replication-entry-in-use)*>

<!ELEMENT isis-replication-system-id-information (isis-replication-system-id)*>

<!ELEMENT isis-replication-type (#PCDATA)>

<!ELEMENT isis-restart (isis-restart-enabled | isis-restart-duration |
isis-restart-helper-mode-enabled)*>

<!ELEMENT isis-restart-duration (#PCDATA)>
<!ATTLIST isis-restart-duration junos:seconds CDATA #IMPLIED>

<!ELEMENT isis-restart-enabled (#PCDATA)>

<!ELEMENT isis-restart-helper-mode-enabled (#PCDATA)>

<!ELEMENT isis-route (address-prefix | level | route-version | metric | metric-type
| interface-name | isis-next-hop-type | isis-next-hop | snpa)*>
<!ATTLIST isis-route junos:style CDATA #IMPLIED>

<!ELEMENT isis-route-coverage-clns (#PCDATA)>

<!ELEMENT isis-route-coverage-ipv4 (#PCDATA)>

<!ELEMENT isis-route-coverage-ipv6 (#PCDATA)>

<!ELEMENT isis-route-information (isis-routing-table)*>

<!ELEMENT isis-router-id (#PCDATA)>

<!ELEMENT isis-routing (isis-routing-ipv4 | isis-routing-ipv6 |
isis-routing-clns)*>

<!ELEMENT isis-routing-clns EMPTY>

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<!ELEMENT isis-routing-ipv4 EMPTY>

<!ELEMENT isis-routing-ipv6 EMPTY>

<!ELEMENT isis-routing-table (isis-topology-id | level-one-version |
level-two-version | isis-route)*>

<!ELEMENT isis-spf (isis-spf-results-header | isis-spf-result | node-count |
isis-spf-log-header | isis-spf-log | isis-backup-spf-result)*>

<!ELEMENT isis-spf-delay (#PCDATA)>
<ATTLIST isis-spf-delay junos:seconds CDATA #IMPLIED>

<!ELEMENT isis-spf-holddown (#PCDATA)>
<ATTLIST isis-spf-holddown junos:seconds CDATA #IMPLIED>

<!ELEMENT isis-spf-information (isis-spf-delay | isis-spf-holddown |
isis-spf-rapid-runs | isis-spf)*>

<!ELEMENT isis-spf-log (start-time | elapsed-time | spf-trigger-count |
logging-reason | lsp-name | system-name | interface-name)*>

<!ELEMENT isis-spf-log-header (level | isis-topology-id)*>

<!ELEMENT isis-spf-rapid-runs (#PCDATA)>

<!ELEMENT isis-spf-result (node-id | disconnected | metric | no-first-fragment |
next-hop-element | prefix-element | end-system-element)*>

<!ELEMENT isis-spf-results-header (level | isis-topology-id)*>

<!ELEMENT isis-srlg-name (#PCDATA)>

<!ELEMENT isis-srlg-tlv (address-prefix | srlg-flag | srlg-local-ifindex |
srlg-remote-ifindex | srlg-address | srlg-neighbor-prefix | isis-srlg-value)*>
<ATTLIST isis-srlg-tlv heading CDATA #IMPLIED>

<!ELEMENT isis-srlg-value (isis-srlg-name)*>
<ATTLIST isis-srlg-value heading CDATA #IMPLIED>

<!ELEMENT isis-statistics (system-name | isis-pdu-statistics | totals-information
| snp-queue-length | snp-queue-drops | lsp-queue-length | lsp-queue-drops |
spf-runs | fragments-rebuilt | lsps-regenerated | purges-initiated)*>

<!ELEMENT isis-statistics-information (isis-statistics)*>

<!ELEMENT isis-subtlv-type (#PCDATA)>

<!ELEMENT isis-te-shortcuts-clns EMPTY>

<!ELEMENT isis-te-shortcuts-ipv4 EMPTY>

<!ELEMENT isis-te-shortcuts-ipv6 EMPTY>

<!ELEMENT isis-te-status (#PCDATA)>

<!ELEMENT isis-ted-credibility-preference EMPTY>

<!ELEMENT isis-tlv (isis-tlv-overhead | area-address-tlv | protocols-tlv | mt-tlv
| hostname-tlv | ipaddress-tlv | ipv6address-tlv | router-id-tlv |
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reachability-tlv | isis-iso-prefix-tlv | isis-prefix-subtlv | ipv6-reachability-tlv
| isis-reachability-subtlv | authentication-tlv | idrp-tlv | ip-prefix-tlv |
isis-srlg-tlv | unknown-tlv | tlv-stragglers)*>
<!ATTLIST isis-tlv heading CDATA #IMPLIED>

<!ELEMENT isis-tlv-overhead (isis-tlv-type | tlv-length | bytes-left)*>

<!ELEMENT isis-tlv-type (#PCDATA)>

<!ELEMENT isis-topology-id (#PCDATA)>

<!ELEMENT isis-topology-metric (#PCDATA)>

<!ELEMENT isis-traffic-engineering (isis-te-status | isis-te-shortcuts-ipv4 |
isis-te-shortcuts-ipv6 | isis-te-shortcuts-clns | isis-ipv4-multicast-rpf-routes
| isis-ignore-lsp-metrics | isis-ted-credibility-preference)*>

<!ELEMENT isis-wide-metrics EMPTY>

<!ELEMENT iso-prefix (#PCDATA)>

<!ELEMENT join-family (pim-instance | address-family | join-summary | join-group)*>
<!ATTLIST join-family junos:style CDATA #IMPLIED>

<!ELEMENT join-group (multicast-group-address | multicast-source-address |
rendezvous-point-address | pim-group-flags | upstream-protocol-name |
upstream-interface-name | pim-interface-state | upstream-neighbor |
upstream-neighbor-rpf-origin | dense-event | downstream-interface |
upstream-state-flags | keepalive-timeout | no-keepalive-timeout |
sparse-downstream-interface)*>
<!ATTLIST join-group junos:style CDATA #IMPLIED>

<!ELEMENT join-summary (multicast-route-type | multicast-route-count)*>

<!ELEMENT join-timeout (#PCDATA)>

<!ELEMENT join-to-rp EMPTY>

<!ELEMENT join-to-source EMPTY>

<!ELEMENT juniper-routing-aspath (aspath-domain | aspath-table)*>

<!ELEMENT keep-multiplier (#PCDATA)>

<!ELEMENT keepalive-interval (#PCDATA)>

<!ELEMENT keepalive-timeout (#PCDATA)>

<!ELEMENT l2circuit-connection-information (l2circuit-neighbor)*>
<!ATTLIST l2circuit-connection-information junos:style CDATA #IMPLIED>

<!ELEMENT l2circuit-neighbor (neighbor-address | neighbor-display-error |
lsw-interface-name | connection | connections-summary)*>

<!ELEMENT l2ckt-label-repository (neighbor-id | vc-id | vc-label |
label-repository-state)*>

<!ELEMENT l2ckt-label-repository-information (l2ckt-label-repository)*>

<!ELEMENT l2domain_null_vlan (#PCDATA)>

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<!ELEMENT l2iw-domain (l2iw-domain-name)*>

<!ELEMENT l2iw-domain-name (#PCDATA)>

<!ELEMENT l2iw-peering-information (l2iw-domain)*>

<!ELEMENT l2l3map_rt_add (#PCDATA)>

<!ELEMENT l2l3map_rt_del (#PCDATA)>

<!ELEMENT l2l3map_rt_del_not_found (#PCDATA)>

<!ELEMENT l2vpn-connection-information (instance)*>

<!ELEMENT l2vpn-id (#PCDATA)>

<!ELEMENT l2vpn-label-repository-information
(l2vpn-route-distinguisher-information)*>

<!ELEMENT l2vpn-labels (instance-id | site-id | label-block-offset |
label-block-base | label-block-range)*>

<!ELEMENT l2vpn-labels-information (l2vpn-labels)*>

<!ELEMENT l2vpn-local-site-id (#PCDATA)>

<!ELEMENT l2vpn-mesh-group (#PCDATA)>

<!ELEMENT l2vpn-nlri-advertisement (site-id | label-block-offset | label-block-base
| label-block-range | label-repository-state)*>

<!ELEMENT l2vpn-remote-site-id (#PCDATA)>

<!ELEMENT l2vpn-route-distinguisher-information (route-distinguisher | instance-id
| l2vpn-nlri-advertisement)*>

<!ELEMENT l2vpn-status-vector (#PCDATA)>

<!ELEMENT label-base (#PCDATA)>

<!ELEMENT label-block (label-block-base | label-block-offset | label-block-range
| label-block-size | label-block-preference | label-block-status-vector)*>
<ATTLIST label-block heading CDATA #IMPLIED>

<!ELEMENT label-block-base (#PCDATA)>

<!ELEMENT label-block-offset (#PCDATA)>

<!ELEMENT label-block-preference (#PCDATA)>

<!ELEMENT label-block-range (#PCDATA)>

<!ELEMENT label-block-size (#PCDATA)>

<!ELEMENT label-block-status-vector (#PCDATA)>

<!ELEMENT label-in (#PCDATA)>

<!ELEMENT label-operation (#PCDATA)>

<!ELEMENT label-out (#PCDATA)>
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<!ELEMENT label-range (#PCDATA)>

<!ELEMENT label-repository-state (#PCDATA)>

<!ELEMENT label-ttl-action (#PCDATA)>

<!ELEMENT lan-id (#PCDATA)>

<!ELEMENT lanp2p-cfgmismatch-error (#PCDATA)>

<!ELEMENT last-active EMPTY>

<!ELEMENT last-address (#PCDATA)>

<!ELEMENT last-change (#PCDATA)>

<!ELEMENT last-changed-time (#PCDATA)>
<ATTLIST last-changed-time junos:seconds CDATA #IMPLIED>

<!ELEMENT last-checked (#PCDATA)>

<!ELEMENT last-error (#PCDATA)>

<!ELEMENT last-event (#PCDATA)>

<!ELEMENT last-flap-event (#PCDATA)>

<!ELEMENT last-member-query-interval (#PCDATA)>

<!ELEMENT last-merit (#PCDATA)>

<!ELEMENT last-received (#PCDATA)>

<!ELEMENT last-sent (#PCDATA)>

<!ELEMENT last-state (#PCDATA)>

<!ELEMENT last-transition (#PCDATA)>

<!ELEMENT last-transition-time (#PCDATA)>
<ATTLIST last-transition-time junos:seconds CDATA #IMPLIED>

<!ELEMENT last-update (#PCDATA)>
<ATTLIST last-update junos:seconds CDATA #IMPLIED>

<!ELEMENT layer2-connection (neighbor-address | interface-name | vc-id |
connection-bandwidth)*>

<!ELEMENT layer2-domain-port-snpa (port-id)*>

<!ELEMENT layer2-multicast-port-id (#PCDATA)>

<!ELEMENT layer2-multicast-port-snpa (layer2-multicast-port-id)*>

<!ELEMENT layer2-tspec (switching-granularity | mtu | atm-vp-bundle-size |
atm-cell-bundle-size)*>

<!ELEMENT ldp-auto-discovered-reference-count (#PCDATA)>

<!ELEMENT ldp-binding (ldp-label | ldp-prefix | ldp-binding-filtered |

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ldp-binding-stale | ldp-binding-mtu | ldp-binding-cell-bundle-size |
ldp-binding-requested-vlan-id | ldp-binding-bitrate | ldp-binding-payload-size |
ldp-binding-pw-status-code | ldp-binding-state | ldp-binding-age |
ldp-binding-delete-scheduled | ldp-binding-queued | ldp-binding-not-yet-sent |
ldp-binding-l2protec-context-id | ldp-binding-l2protec-ctrl-word |
ldp-binding-standby | ldp-l2circuit-vccv-cc-type | ldp-l2circuit-vccv-cv-type)*>

<!ELEMENT ldp-binding-age (#PCDATA)>

<!ELEMENT ldp-binding-bitrate (#PCDATA)>

<!ELEMENT ldp-binding-cell-bundle-size (#PCDATA)>

<!ELEMENT ldp-binding-delete-scheduled (#PCDATA)>

<!ELEMENT ldp-binding-filtered EMPTY>

<!ELEMENT ldp-binding-l2protec-context-id (#PCDATA)>

<!ELEMENT ldp-binding-l2protec-ctrl-word (#PCDATA)>

<!ELEMENT ldp-binding-mtu (#PCDATA)>

<!ELEMENT ldp-binding-not-yet-sent EMPTY>

<!ELEMENT ldp-binding-payload-size (#PCDATA)>

<!ELEMENT ldp-binding-pw-status-code (#PCDATA)>

<!ELEMENT ldp-binding-queued EMPTY>

<!ELEMENT ldp-binding-requested-vlan-id (#PCDATA)>

<!ELEMENT ldp-binding-stale EMPTY>

<!ELEMENT ldp-binding-standby (ldp-binding-standby-map-count |
ldp-binding-standby-rel-count)*>

<!ELEMENT ldp-binding-standby-map-count (#PCDATA)>

<!ELEMENT ldp-binding-standby-rel-count (#PCDATA)>

<!ELEMENT ldp-binding-state (#PCDATA)>

<!ELEMENT ldp-block-time (#PCDATA)>

<!ELEMENT ldp-capability (#PCDATA)>

<!ELEMENT ldp-config-sequence (#PCDATA)>

<!ELEMENT ldp-configuration-sequence (#PCDATA)>

<!ELEMENT ldp-connection-state (#PCDATA)>

<!ELEMENT ldp-control-mode (#PCDATA)>

<!ELEMENT ldp-database (ldp-database-type | ldp-session-id | ldp-binding)*>

<!ELEMENT ldp-database-information (ldp-database)*>

<!ELEMENT ldp-database-type (#PCDATA)>
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<!ELEMENT ldp-deaggregate (#PCDATA)>

<!ELEMENT ldp-distribution-mode (#PCDATA)>

<!ELEMENT ldp-down-reason (#PCDATA)>

<!ELEMENT ldp-egress-label EMPTY>

<!ELEMENT ldp-egress-nh (ldp-egress-nh-type | interface-name)*>

<!ELEMENT ldp-egress-nh-type (#PCDATA)>

<!ELEMENT ldp-event-count (#PCDATA)>

<!ELEMENT ldp-event-count-5seconds (#PCDATA)>

<!ELEMENT ldp-event-statistics (ldp-event-type | ldp-event-count |
ldp-event-count-5seconds)*>

<!ELEMENT ldp-event-type (#PCDATA)>

<!ELEMENT ldp-explicit-null (#PCDATA)>

<!ELEMENT ldp-fec-filter (ldp-prefix | ldp-ingress-filter | ldp-ingress-filterid
| ldp-transit-filter | ldp-transit-filterid)*>

<!ELEMENT ldp-fec-filters-information (ldp-fec-filter)*>

<!ELEMENT ldp-global-label (#PCDATA)>

<!ELEMENT ldp-gr-helper (#PCDATA)>

<!ELEMENT ldp-gr-max-neighbor-reconnect-time (#PCDATA)>

<!ELEMENT ldp-gr-max-neighbor-recovery-time (#PCDATA)>

<!ELEMENT ldp-gr-overview (ldp-gr-restart | ldp-gr-helper | ldp-gr-restarting |
ldp-gr-reconnect-time | ldp-gr-max-neighbor-reconnect-time | ldp-gr-recovery-time
| ldp-gr-max-neighbor-recovery-time)*>

<!ELEMENT ldp-gr-reconnect-time (#PCDATA)>

<!ELEMENT ldp-gr-recovery-time (#PCDATA)>

<!ELEMENT ldp-gr-restart (#PCDATA)>

<!ELEMENT ldp-gr-restarting (#PCDATA)>

<!ELEMENT ldp-graceful-restart-local (#PCDATA)>

<!ELEMENT ldp-graceful-restart-remote (#PCDATA)>

<!ELEMENT ldp-graceful-restart-state (#PCDATA)>

<!ELEMENT ldp-hello-interval (#PCDATA)>

<!ELEMENT ldp-hello-received (#PCDATA)>

<!ELEMENT ldp-hello-sent (#PCDATA)>
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<!ELEMENT ldp-helper-mode-state (#PCDATA)>

<!ELEMENT ldp-helper-mode-time (#PCDATA)>

<!ELEMENT ldp-holdtime (#PCDATA)>

<!ELEMENT ldp-igp-overview (ldp-tracking-igp-metric |
ldp-igp-sync-session-up-delay)*>

<!ELEMENT ldp-igp-sync-session-up-delay (#PCDATA)>

<!ELEMENT ldp-ingress-filter (#PCDATA)>

<!ELEMENT ldp-ingress-filterid (#PCDATA)>

<!ELEMENT ldp-ingress-label EMPTY>

<!ELEMENT ldp-ingress-route-last-modified-time (#PCDATA)>
<ATTLIST ldp-ingress-route-last-modified-time junos:seconds CDATA #IMPLIED>

<!ELEMENT ldp-ingress-route-status (#PCDATA)>

<!ELEMENT ldp-inlib-label (#PCDATA)>

<!ELEMENT ldp-inlib-session (#PCDATA)>

<!ELEMENT ldp-instance-capability (ldp-capability)*>

<!ELEMENT ldp-instance-id (#PCDATA)>

<!ELEMENT ldp-instance-keepalive-interval (#PCDATA)>

<!ELEMENT ldp-instance-keepalive-timeout (#PCDATA)>

<!ELEMENT ldp-instance-label-withdraw-delay (#PCDATA)>

<!ELEMENT ldp-instance-link-hello-hold-time (#PCDATA)>

<!ELEMENT ldp-instance-link-hello-interval (#PCDATA)>

<!ELEMENT ldp-instance-name (#PCDATA)>

<!ELEMENT ldp-instance-targeted-hello-hold-time (#PCDATA)>

<!ELEMENT ldp-instance-targeted-hello-interval (#PCDATA)>

<!ELEMENT ldp-interface (interface-name | ldp-label-space-id | ldp-neighbor-count
| ldp-next-hello | ldp-hello-interval | ldp-local-hello-interval | ldp-holdtime
| ldp-transport-address | ldp-interface-index | ldp-block-time | ldp-hello-sent
| ldp-hello-received)*>

<!ELEMENT ldp-interface-address (interface-address)*>

<!ELEMENT ldp-interface-index (#PCDATA)>

<!ELEMENT ldp-interface-information (ldp-interface)*>

<!ELEMENT ldp-ipv6-tunneling (#PCDATA)>

<!ELEMENT ldp-keepalive-interval (#PCDATA)>
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<!ELEMENT ldp-keepalive-time (#PCDATA)>

<!ELEMENT ldp-l2circuit-vcv-cc-type (mpls-type-control-word |
mpls-type-router-alert | mpls-type-pw-label)*>

<!ELEMENT ldp-l2circuit-vcv-cv-type (mpls-type-icmp-ping | mpls-type-lsp-ping |
mpls-type-bfd-pw-ach-fd | mpls-type-bfd-pw-ach-fd-fss | mpls-type-bfd-ip-udp-fd
| mpls-type-bfd-ip-udp-fd-fss)*>

<!ELEMENT ldp-label (#PCDATA)>

<!ELEMENT ldp-label-session (#PCDATA)>

<!ELEMENT ldp-label-space-id (#PCDATA)>

<!ELEMENT ldp-last-down-time (#PCDATA)>
<!ATTLIST ldp-last-down-time junos:seconds CDATA #IMPLIED>

<!ELEMENT ldp-local-address (#PCDATA)>

<!ELEMENT ldp-local-hello-interval (#PCDATA)>

<!ELEMENT ldp-local-helper-mode (#PCDATA)>

<!ELEMENT ldp-local-maximum-reconnect (#PCDATA)>

<!ELEMENT ldp-local-maximum-recovery (#PCDATA)>

<!ELEMENT ldp-local-reconnect-time (#PCDATA)>

<!ELEMENT ldp-loopback-if-added (#PCDATA)>

<!ELEMENT ldp-merged-next-hop EMPTY>

<!ELEMENT ldp-message-id (#PCDATA)>

<!ELEMENT ldp-message-statistics (ldp-message-type | ldp-messages-sent |
ldp-messages-received | ldp-messages-sent-5seconds |
ldp-messages-received-5seconds)*>

<!ELEMENT ldp-message-type (#PCDATA)>

<!ELEMENT ldp-messages-received (#PCDATA)>

<!ELEMENT ldp-messages-received-5seconds (#PCDATA)>

<!ELEMENT ldp-messages-sent (#PCDATA)>

<!ELEMENT ldp-messages-sent-5seconds (#PCDATA)>

<!ELEMENT ldp-neighbor (ldp-neighbor-address | interface-name | ldp-label-space-id
| ldp-remaining-time | ldp-transport-address | ldp-config-sequence | ldp-up-time
| ldp-reference-count | ldp-auto-discovered-reference-count | ldp-holdtime |
ldp-proposed-local-holdtime | ldp-proposed-peer-holdtime | ldp-hello-interval |
ldp-neighbor-hello-flags | ldp-neighbor-types)*>

<!ELEMENT ldp-neighbor-address (#PCDATA)>

<!ELEMENT ldp-neighbor-count (#PCDATA)>

<!ELEMENT ldp-neighbor-hello-flag (#PCDATA)>

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<!ELEMENT ldp-neighbor-hello-flags (ldp-neighbor-hello-flag)*>

<!ELEMENT ldp-neighbor-information (ldp-neighbor)*>

<!ELEMENT ldp-neighbor-replication (ldp-instance-id | ldp-neighbor-address |
interface-name | ldp-neighbor-replication-state | ldp-interface-index |
ldp-neighbor-replication-age | ldp-reference-count)*>

<!ELEMENT ldp-neighbor-replication-age (#PCDATA)>

<!ELEMENT ldp-neighbor-replication-information (ldp-neighbor-replication)*>

<!ELEMENT ldp-neighbor-replication-state (#PCDATA)>

<!ELEMENT ldp-neighbor-type (#PCDATA)>

<!ELEMENT ldp-neighbor-types (ldp-neighbor-type)*>

<!ELEMENT ldp-next-hello (#PCDATA)>

<!ELEMENT ldp-nexthop (interface-name | lsp-name | lsp-no-ldp-tunneling |
interface-address | ldp-session-id)*>

<!ELEMENT ldp-no-label EMPTY>

<!ELEMENT ldp-oam-bfd-session (ldp-oam-destination-address |
ldp-oam-bfd-session-state | ldp-oam-lsp-ping-state | ldp-oam-nexthop-address |
ldp-oam-interface-name | ldp-oam-nexthop-lsp)*>

<!ELEMENT ldp-oam-bfd-session-state (#PCDATA)>

<!ELEMENT ldp-oam-destination-address (#PCDATA)>

<!ELEMENT ldp-oam-information (ldp-oam-status)*>

<!ELEMENT ldp-oam-interface-name (#PCDATA)>

<!ELEMENT ldp-oam-lsp-ping-state (#PCDATA)>

<!ELEMENT ldp-oam-nexthop-address (#PCDATA)>

<!ELEMENT ldp-oam-nexthop-lsp (#PCDATA)>

<!ELEMENT ldp-oam-path (ldp-oam-destination-address | ldp-oam-nexthop-address |
ldp-oam-interface-name | ldp-oam-nexthop-lsp | ldp-oam-bfd-session-state |
ldp-oam-lsp-ping-state | ldp-oam-path-address)*>

<!ELEMENT ldp-oam-path-address (#PCDATA)>

<!ELEMENT ldp-oam-prefix (#PCDATA)>

<!ELEMENT ldp-oam-status (ldp-oam-prefix | ldp-oam-time | ldp-oam-path)*>

<!ELEMENT ldp-oam-time (#PCDATA)>
<!ATTLIST ldp-oam-time junos:seconds CDATA #IMPLIED>

<!ELEMENT ldp-outlib-label (#PCDATA)>

<!ELEMENT ldp-outlib-session (#PCDATA)>
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<!ELEMENT ldp-overview (ldp-instance-name | ldp-router-id | ldp-message-id |
ldp-configuration-sequence | ldp-deaggregate | ldp-explicit-null |
ldp-ipv6-tunneling | ldp-strict-targeted-hellos | ldp-upstream-label-assignment
| ldp-loopback-if-added | ldp-route-preference | ldp-p2mp-max-branches |
ldp-instance-capability | ldp-protocol-modes | ldp-session-count |
ldp-timer-overview | ldp-gr-overview | ldp-te-overview | ldp-igp-overview |
ldp-session-protect-overview | ldp-interface-address)*>

<!ELEMENT ldp-overview-information (ldp-overview)*>

<!ELEMENT ldp-p2mp-egress-label (#PCDATA)>

<!ELEMENT ldp-p2mp-inlib-label (ldp-label-session | ldp-label)*>

<!ELEMENT ldp-p2mp-max-branches (#PCDATA)>

<!ELEMENT ldp-p2mp-outlib-label (#PCDATA)>

<!ELEMENT ldp-p2mp-outlib-session (#PCDATA)>

<!ELEMENT ldp-p2mp-path (ldp-p2mp-path-type | ldp-p2mp-outlib-session |
ldp-p2mp-outlib-label | ldp-p2mp-egress-label | ldp-p2mp-inlib-label |
ldp-egress-nh | ldp-p2mp-path-fec | ldp-p2mp-path-transit-route |
ldp-p2mp-path-address | ldp-reference-count)*>

<!ELEMENT ldp-p2mp-path-address (#PCDATA)>

<!ELEMENT ldp-p2mp-path-fec (ldp-prefix | ldp-prefix-active)*>

<!ELEMENT ldp-p2mp-path-information (ldp-p2mp-path)*>

<!ELEMENT ldp-p2mp-path-transit-route EMPTY>

<!ELEMENT ldp-p2mp-path-type (#PCDATA)>

<!ELEMENT ldp-p2mp-traffic-statistics (ldp-prefix | ldp-traffic-branch-nexthop-addr
| ldp-traffic-branch-nexthop-interface | ldp-traffic-error |
ldp-traffic-statistics-packet-count | ldp-traffic-statistics-byte-count |
ldp-traffic-multiple-fec)*>

<!ELEMENT ldp-path (ldp-outlib-session | ldp-outlib-label | ldp-ingress-label |
ldp-inlib-session | ldp-inlib-label | ldp-egress-label | ldp-path-route |
ldp-reference-count | ldp-route-transit | ldp-global-label | ldp-merged-next-hop)*>

<!ELEMENT ldp-path-information (ldp-path)*>

<!ELEMENT ldp-path-replication (ldp-instance-id | ldp-label |
ldp-path-replication-ingress-selfid | ldp-path-replication-transit-selfid |
ldp-path-replication-state | ldp-reference-count)*>

<!ELEMENT ldp-path-replication-information (ldp-path-replication)*>

<!ELEMENT ldp-path-replication-ingress-selfid (#PCDATA)>

<!ELEMENT ldp-path-replication-state (#PCDATA)>

<!ELEMENT ldp-path-replication-transit-selfid (#PCDATA)>

<!ELEMENT ldp-path-route (ldp-prefix | ldp-route-ingress)*>

<!ELEMENT ldp-prefix (#PCDATA)>

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<!ELEMENT ldp-prefix-active (#PCDATA)>

<!ELEMENT ldp-proposed-local-holdtime (#PCDATA)>

<!ELEMENT ldp-proposed-peer-holdtime (#PCDATA)>

<!ELEMENT ldp-protocol-modes (ldp-distribution-mode | ldp-retention-mode |
ldp-control-mode)*>

<!ELEMENT ldp-reference-count (#PCDATA)>

<!ELEMENT ldp-remaining-time (#PCDATA)>

<!ELEMENT ldp-remote-address (#PCDATA)>

<!ELEMENT ldp-remote-helper-mode (#PCDATA)>

<!ELEMENT ldp-remote-reconnect-time (#PCDATA)>

<!ELEMENT ldp-restart-complete-time (#PCDATA)>

<!ELEMENT ldp-retention-mode (#PCDATA)>

<!ELEMENT ldp-retry-interval (#PCDATA)>

<!ELEMENT ldp-retry-time (#PCDATA)>

<!ELEMENT ldp-route (ldp-prefix | ldp-nexthop | ldp-label | ldp-no-label |
ldp-topology-entry | ldp-ingress-route-status |
ldp-ingress-route-last-modified-time | ldp-merged-next-hop | ldp-oam-bfd-session)*>

<!ELEMENT ldp-route-information (ldp-route)*>

<!ELEMENT ldp-route-ingress EMPTY>

<!ELEMENT ldp-route-preference (#PCDATA)>

<!ELEMENT ldp-route-transit EMPTY>

<!ELEMENT ldp-router-id (#PCDATA)>

<!ELEMENT ldp-session (ldp-neighbor-address | ldp-session-state |
ldp-connection-state | ldp-remaining-time | ldp-session-id | ldp-retry-time |
ldp-keepalive-time | ldp-session-role | ldp-session-max-pdu | ldp-holdtime |
ldp-neighbor-count | ldp-neighbor-types | ldp-keepalive-interval |
ldp-retry-interval | ldp-local-address | ldp-remote-address |
ldp-graceful-restart-state | ldp-local-reconnect-time | ldp-remote-reconnect-time
| ldp-restart-complete-time | ldp-helper-mode-state | ldp-helper-mode-time |
ldp-local-helper-mode | ldp-remote-helper-mode | ldp-graceful-restart-local |
ldp-graceful-restart-remote | ldp-local-maximum-reconnect |
ldp-local-maximum-recovery | ldp-up-time | ldp-last-down-time | ldp-down-reason
| ldp-session-flap-count | ldp-session-capabilities-advertised |
ldp-session-capabilities-received | ldp-session-protection | ldp-session-nsr-state
| ldp-session-address | ldp-session-deleted | ldp-session-close-pending |
ldp-session-queue-depth | ldp-session-read-pending | ldp-session-write-pending |
ldp-session-receive-buffer-bytes | ldp-session-transmit-buffer-bytes |
ldp-session-no-connection | ldp-session-authentication | ldp-session-statistics)*>

<!ELEMENT ldp-session-address (interface-address | interface-name |
ldp-session-address-stale)*>
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<!ELEMENT ldp-session-address-stale EMPTY>

<!ELEMENT ldp-session-authentication (#PCDATA)>

<!ELEMENT ldp-session-capabilities-advertised (ldp-capability)*>

<!ELEMENT ldp-session-capabilities-received (ldp-capability)*>

<!ELEMENT ldp-session-close-pending EMPTY>

<!ELEMENT ldp-session-closing (#PCDATA)>

<!ELEMENT ldp-session-connecting (#PCDATA)>

<!ELEMENT ldp-session-count (ldp-session-operational | ldp-session-nonexistent |
ldp-session-connecting | ldp-session-initialized | ldp-session-openrec |
ldp-session-opensent | ldp-session-closing)*>

<!ELEMENT ldp-session-deleted EMPTY>

<!ELEMENT ldp-session-flap-count (#PCDATA)>

<!ELEMENT ldp-session-id (#PCDATA)>

<!ELEMENT ldp-session-information (ldp-session)*>
<!ATTLIST ldp-session-information junos:style CDATA #IMPLIED>

<!ELEMENT ldp-session-initialized (#PCDATA)>

<!ELEMENT ldp-session-max-pdu (#PCDATA)>

<!ELEMENT ldp-session-no-connection EMPTY>

<!ELEMENT ldp-session-nonexistent (#PCDATA)>

<!ELEMENT ldp-session-nsr-state (#PCDATA)>

<!ELEMENT ldp-session-openrec (#PCDATA)>

<!ELEMENT ldp-session-opensent (#PCDATA)>

<!ELEMENT ldp-session-operational (#PCDATA)>

<!ELEMENT ldp-session-protect (#PCDATA)>

<!ELEMENT ldp-session-protect-overview (ldp-session-protect |
ldp-session-protect-timeout)*>

<!ELEMENT ldp-session-protect-timeout (#PCDATA)>

<!ELEMENT ldp-session-protection (ldp-session-protection-state |
ldp-session-protection-remaining-time)*>

<!ELEMENT ldp-session-protection-remaining-time (#PCDATA)>

<!ELEMENT ldp-session-protection-state (#PCDATA)>

<!ELEMENT ldp-session-queue-depth (#PCDATA)>

<!ELEMENT ldp-session-read-pending EMPTY>

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<!ELEMENT ldp-session-receive-buffer-bytes (#PCDATA)>

<!ELEMENT ldp-session-replication (ldp-instance-id | ldp-neighbor-address |
ldp-session-replication-state | ldp-reference-count |
ldp-session-replication-age)*>

<!ELEMENT ldp-session-replication-age (#PCDATA)>

<!ELEMENT ldp-session-replication-information (ldp-session-replication)*>

<!ELEMENT ldp-session-replication-state (#PCDATA)>

<!ELEMENT ldp-session-role (#PCDATA)>

<!ELEMENT ldp-session-state (#PCDATA)>

<!ELEMENT ldp-session-statistics (ldp-message-type | ldp-messages-sent |
ldp-messages-received | ldp-messages-sent-5seconds |
ldp-messages-received-5seconds)*>

<!ELEMENT ldp-session-transmit-buffer-bytes (#PCDATA)>

<!ELEMENT ldp-session-write-pending EMPTY>

<!ELEMENT ldp-standby-path (ldp-reference-count | ldp-label |
ldp-standby-path-prefix)*>

<!ELEMENT ldp-standby-path-information (ldp-standby-path)*>

<!ELEMENT ldp-standby-path-prefix (ldp-prefix | ldp-reference-count)*>

<!ELEMENT ldp-standby-path-reference (ldp-reference-count | ldp-label)*>

<!ELEMENT ldp-standby-route (ldp-prefix | ldp-standby-route-route |
ldp-standby-path-reference)*>

<!ELEMENT ldp-standby-route-information (ldp-standby-route)*>

<!ELEMENT ldp-standby-route-route EMPTY>

<!ELEMENT ldp-statistics (ldp-message-statistics | ldp-event-statistics)*>

<!ELEMENT ldp-statistics-information (ldp-statistics)*>

<!ELEMENT ldp-strict-targeted-hellos (#PCDATA)>

<!ELEMENT ldp-te-bgp-igp (#PCDATA)>

<!ELEMENT ldp-te-both-ribs (#PCDATA)>

<!ELEMENT ldp-te-mps-forwarding (#PCDATA)>

<!ELEMENT ldp-te-overview (ldp-te-bgp-igp | ldp-te-both-ribs |
ldp-te-mps-forwarding)*>

<!ELEMENT ldp-timer-overview (ldp-instance-keepalive-interval |
ldp-instance-keepalive-timeout | ldp-instance-link-hello-interval |
ldp-instance-link-hello-hold-time | ldp-instance-targeted-hello-interval |
ldp-instance-targeted-hello-hold-time | ldp-instance-label-withdraw-delay)*>
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<!ELEMENT ldp-topology-entry (#PCDATA)>

<!ELEMENT ldp-tracking-igp-metric (#PCDATA)>

<!ELEMENT ldp-traffic-branch-nexthop-addr (#PCDATA)>

<!ELEMENT ldp-traffic-branch-nexthop-interface (#PCDATA)>

<!ELEMENT ldp-traffic-error (#PCDATA)>

<!ELEMENT ldp-traffic-multiple-fec (#PCDATA)>

<!ELEMENT ldp-traffic-statistics (ldp-prefix | ldp-traffic-type | ldp-traffic-error
| ldp-traffic-statistics-packet-count | ldp-traffic-statistics-byte-count |
ldp-traffic-multiple-fec)*>

<!ELEMENT ldp-traffic-statistics-byte-count (#PCDATA)>

<!ELEMENT ldp-traffic-statistics-error (ldp-traffic-error)*>

<!ELEMENT ldp-traffic-statistics-information (ldp-traffic-statistics |
ldp-p2mp-traffic-statistics | ldp-traffic-statistics-error)*>

<!ELEMENT ldp-traffic-statistics-packet-count (#PCDATA)>

<!ELEMENT ldp-traffic-type (#PCDATA)>

<!ELEMENT ldp-transit-filter (#PCDATA)>

<!ELEMENT ldp-transit-filterid (#PCDATA)>

<!ELEMENT ldp-transport-address (#PCDATA)>

<!ELEMENT ldp-up-time (#PCDATA)>
<!ATTLIST ldp-up-time junos:seconds CDATA #IMPLIED>

<!ELEMENT ldp-upstream-label-assignment (#PCDATA)>

<!ELEMENT ldp-vpls-reference-site (vpls-signaling-protocol-identifier |
local-site-id | remote-site-id | vpls-id | l2vpn-id | local-id |
num-local-interfaces | num-local-interfaces-up | irb-present | mesh-group-count
| mesh-group-up-count | mesh-group-interfaces | interface | connection |
mesh-group-connection | connections-summary)*>

<!ELEMENT learned-from (#PCDATA)>

<!ELEMENT length (#PCDATA)>

<!ELEMENT level (#PCDATA)>

<!ELEMENT level-one-version (#PCDATA)>

<!ELEMENT level-two-version (#PCDATA)>

<!ELEMENT limit-action (#PCDATA)>

<!ELEMENT link-count (#PCDATA)>

<!ELEMENT link-data (#PCDATA)>

<!ELEMENT link-id (#PCDATA)>

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<!ELEMENT link-intf-id (#PCDATA)>

<!ELEMENT link-local-te-tlv-type-name (#PCDATA)>

<!ELEMENT link-metric (#PCDATA)>

<!ELEMENT link-type-name (#PCDATA)>

<!ELEMENT link-type-value (#PCDATA)>

<!ELEMENT linklocal-address (#PCDATA)>

<!ELEMENT lm-allocated-bandwidth (#PCDATA)>

<!ELEMENT lm-allocated-lsp-name (#PCDATA)>

<!ELEMENT lm-avail-bandwidth (#PCDATA)>

<!ELEMENT lm-bad-version (#PCDATA)>

<!ELEMENT lm-control-channel (#PCDATA)>

<!ELEMENT lm-control-channel-info (lm-control-channel | lm-control-channel-state)*>

<!ELEMENT lm-control-channel-state (#PCDATA)>

<!ELEMENT lm-encoding (#PCDATA)>

<!ELEMENT lm-information (lm-peer-root-information | lm-te-link-root-information
| lm-resource-root-information)*>

<!ELEMENT lm-input-statistics (lm-received-packets | lm-received-bad-packets |
lm-received-misordered-packets | lm-small-packets | lm-bad-version | lm-no-peer
| lm-no-cc | lm-wrong-state | lm-stale-ack | lm-stale-nack)*>

<!ELEMENT lm-lmp-control-channel-flags (cc-restarting)*>

<!ELEMENT lm-lmp-control-channel-local-id (#PCDATA)>

<!ELEMENT lm-lmp-control-channel-rcv-seq-num (#PCDATA)>

<!ELEMENT lm-lmp-control-channel-received-message-id (#PCDATA)>

<!ELEMENT lm-lmp-control-channel-remote-id (#PCDATA)>

<!ELEMENT lm-lmp-control-channel-sent-message-id (#PCDATA)>

<!ELEMENT lm-lmp-control-channel-state (#PCDATA)>

<!ELEMENT lm-lmp-control-channel-tx-seq-num (#PCDATA)>

<!ELEMENT lm-local-address (#PCDATA)>

<!ELEMENT lm-local-id (#PCDATA)>

<!ELEMENT lm-local-label (#PCDATA)>

<!ELEMENT lm-max-bandwidth (#PCDATA)>

<!ELEMENT lm-min-bandwidth (#PCDATA)>
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<!ELEMENT lm-no-cc (#PCDATA)>

<!ELEMENT lm-no-peer (#PCDATA)>

<!ELEMENT lm-output-statistics (lm-sent-packets | lm-retransmit-packets |
lm-tossed-packets)*>

<!ELEMENT lm-packet-count (#PCDATA)>

<!ELEMENT lm-packet-type (#PCDATA)>

<!ELEMENT lm-peer-control-address (#PCDATA)>

<!ELEMENT lm-peer-control-channels (lm-control-channel-info)*>

<!ELEMENT lm-peer-hello-dead-interval (#PCDATA)>

<!ELEMENT lm-peer-hello-interval (#PCDATA)>

<!ELEMENT lm-peer-information (lm-source | lm-sys-id | lm-peer-name | lm-state |
lm-peer-control-address | lm-peer-hello-interval | lm-peer-hello-dead-interval
| lm-peer-received-message-id | lm-peer-sent-message-id | lm-peer-control-channels
| lm-peer-lmp-control-channels | lm-peer-te-links)*>

<!ELEMENT lm-peer-lmp-control-channel-information (lm-lmp-control-channel-local-id
| lm-lmp-control-channel-remote-id | lm-lmp-control-channel-state |
lm-lmp-control-channel-flags | lm-lmp-control-channel-received-message-id |
lm-lmp-control-channel-sent-message-id | lm-lmp-control-channel-rcv-seq-num |
lm-lmp-control-channel-tx-seq-num)*>

<!ELEMENT lm-peer-lmp-control-channels (lm-peer-lmp-control-channel-information)*>

<!ELEMENT lm-peer-name (#PCDATA)>

<!ELEMENT lm-peer-received-message-id (#PCDATA)>

<!ELEMENT lm-peer-root-information (lm-peer-information)*>

<!ELEMENT lm-peer-sent-message-id (#PCDATA)>

<!ELEMENT lm-peer-statistics (lm-peer-name | lm-input-statistics |
lm-output-statistics)*>

<!ELEMENT lm-peer-te-link (#PCDATA)>

<!ELEMENT lm-peer-te-link-information (lm-peer-te-link)*>

<!ELEMENT lm-peer-te-links (lm-peer-te-link-information)*>

<!ELEMENT lm-received-bad-packets (lm-packet-type | lm-packet-count)*>

<!ELEMENT lm-received-misordered-packets (lm-packet-type | lm-packet-count)*>

<!ELEMENT lm-received-packets (lm-packet-type | lm-packet-count)*>

<!ELEMENT lm-remote-address (#PCDATA)>

<!ELEMENT lm-remote-id (#PCDATA)>

<!ELEMENT lm-remote-label (#PCDATA)>

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<!ELEMENT lm-resource (lm-resource-name | lm-resource-type | lm-resource-state |
lm-sys-id | lm-resource-max-allocations | lm-resource-bandwidth |
lm-resource-traffic-params)*>

<!ELEMENT lm-resource-allocation-context (lm-allocated-bandwidth |
lm-allocated-lsp-name | lm-local-label | lm-remote-label)*>

<!ELEMENT lm-resource-avail-bandwidth (#PCDATA)>

<!ELEMENT lm-resource-bandwidth (#PCDATA)>

<!ELEMENT lm-resource-flags (#PCDATA)>

<!ELEMENT lm-resource-in-use (#PCDATA)>

<!ELEMENT lm-resource-local-addr (#PCDATA)>

<!ELEMENT lm-resource-local-id (#PCDATA)>

<!ELEMENT lm-resource-lsp-name (#PCDATA)>

<!ELEMENT lm-resource-max-allocations (#PCDATA)>

<!ELEMENT lm-resource-name (#PCDATA)>

<!ELEMENT lm-resource-num-allocations (#PCDATA)>

<!ELEMENT lm-resource-remote-addr (#PCDATA)>

<!ELEMENT lm-resource-remote-id (#PCDATA)>

<!ELEMENT lm-resource-root-information (lm-source | lm-resource)*>

<!ELEMENT lm-resource-state (#PCDATA)>

<!ELEMENT lm-resource-traffic-params (#PCDATA)>

<!ELEMENT lm-resource-type (#PCDATA)>

<!ELEMENT lm-retransmit-packets (lm-packet-type | lm-packet-count)*>

<!ELEMENT lm-sent-packets (lm-packet-type | lm-packet-count)*>

<!ELEMENT lm-small-packets (#PCDATA)>

<!ELEMENT lm-source (#PCDATA)>

<!ELEMENT lm-stale-ack (#PCDATA)>

<!ELEMENT lm-stale-nack (#PCDATA)>

<!ELEMENT lm-state (#PCDATA)>

<!ELEMENT lm-statistics-information (lm-peer-statistics)*>

<!ELEMENT lm-switching (#PCDATA)>

<!ELEMENT lm-sys-id (#PCDATA)>

<!ELEMENT lm-te-link-flags (#PCDATA)>
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<!ELEMENT lm-te-link-information (lm-te-link-name | lm-local-id | lm-remote-id |
  lm-state | lm-te-link-flags | lm-te-link-local-flags | lm-local-address |
  lm-remote-address | lm-encoding | lm-switching | lm-min-bandwidth |
  lm-max-bandwidth | lm-total-bandwidth | lm-avail-bandwidth |
  lm-te-link-resources)*>

<!ELEMENT lm-te-link-local-flags (lm-te-link-nack-sent-flag)*>

<!ELEMENT lm-te-link-nack-sent-flag EMPTY>

<!ELEMENT lm-te-link-name (#PCDATA)>

<!ELEMENT lm-te-link-resource (lm-resource-name | lm-resource-type | lm-sys-id |
  lm-resource-state | lm-resource-flags | lm-resource-local-id |
  lm-resource-remote-id | lm-resource-local-addr | lm-resource-remote-addr |
  lm-resource-bandwidth | lm-resource-avail-bandwidth | lm-resource-traffic-params
  | lm-resource-max-allocations | lm-resource-num-allocations | lm-resource-in-use
  | lm-resource-lsp-name | lm-resource-allocation-context)*>
<!ATTLIST lm-te-link-resource junos:style CDATA #IMPLIED>

<!ELEMENT lm-te-link-resources (lm-te-link-resource)*>

<!ELEMENT lm-te-link-root-information (lm-te-link-information)*>

<!ELEMENT lm-tossed-packets (lm-packet-type | lm-packet-count)*>

<!ELEMENT lm-total-bandwidth (#PCDATA)>

<!ELEMENT lm-wrong-state (#PCDATA)>

<!ELEMENT load-balance (#PCDATA)>

<!ELEMENT local-address (#PCDATA)>

<!ELEMENT local-as (#PCDATA)>

<!ELEMENT local-as-private EMPTY>

<!ELEMENT local-asn (asn | as-loops)*>

<!ELEMENT local-id (#PCDATA)>

<!ELEMENT local-ifindex (#PCDATA)>

<!ELEMENT local-interface (interface-name | interface-status |
  interface-encapsulation | working-status | profile-name | profile-varset-name |
  interface-description)*>

<!ELEMENT local-interface-index (#PCDATA)>

<!ELEMENT local-interface-name (#PCDATA)>

<!ELEMENT local-pe-address (#PCDATA)>

<!ELEMENT local-preference (#PCDATA)>

<!ELEMENT local-priority (#PCDATA)>

<!ELEMENT local-pw-status-code (#PCDATA)>

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<!ELEMENT local-rp EMPTY>

<!ELEMENT local-site-id (#PCDATA)>

<!ELEMENT local-source EMPTY>

<!ELEMENT local-system-as (#PCDATA)>

<!ELEMENT local_arp_grat_timer_stopped (#PCDATA)>

<!ELEMENT log (#PCDATA)>

<!ELEMENT log-element (timestamp | ospf-log-type | elapsed-time)*>

<!ELEMENT log-event (#PCDATA)>

<!ELEMENT log-time-stamp (#PCDATA)>

<!ELEMENT logging-reason (#PCDATA)>

<!ELEMENT loopback-address (#PCDATA)>

<!ELEMENT lp-bypass-name (#PCDATA)>

<!ELEMENT lp-failure (#PCDATA)>

<!ELEMENT lp-granted (#PCDATA)>

<!ELEMENT lp-history (sequence-number | time | log | route)*>

<!ELEMENT lp-requested (#PCDATA)>

<!ELEMENT lp-status (#PCDATA)>

<!ELEMENT lsa-change-count (#PCDATA)>

<!ELEMENT lsa-changed-time (#PCDATA)>

<!ELEMENT lsa-id (#PCDATA)>

<!ELEMENT lsa-length (#PCDATA)>

<!ELEMENT lsa-list (#PCDATA)>

<!ELEMENT lsa-type (#PCDATA)>

<!ELEMENT lsas-acknowledged (#PCDATA)>

<!ELEMENT lsas-acknowledged-5seconds (#PCDATA)>

<!ELEMENT lsas-flooded (#PCDATA)>

<!ELEMENT lsas-flooded-5seconds (#PCDATA)>

<!ELEMENT lsas-high-prio-flooded (#PCDATA)>

<!ELEMENT lsas-high-prio-flooded-5seconds (#PCDATA)>

<!ELEMENT lsas-nbr-transmit (#PCDATA)>

<!ELEMENT lsas-nbr-transmit-5seconds (#PCDATA)>
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<!ELEMENT lsas-requested (#PCDATA)>
<!ELEMENT lsas-requested-5seconds (#PCDATA)>
<!ELEMENT lsas-retransmit (#PCDATA)>
<!ELEMENT lsas-retransmit-5seconds (#PCDATA)>
<!ELEMENT lsdb-expiration-time (#PCDATA)>
<!ELEMENT lsdb-timer-type (#PCDATA)>
<!ELEMENT lsp-addr (#PCDATA)>
<!ELEMENT lsp-aggregation (#PCDATA)>
<!ELEMENT lsp-attribute-flags (non-php | oob)*>
<!ELEMENT lsp-attributes (#PCDATA)>
<!ELEMENT lsp-bandwidth (#PCDATA)>
<!ELEMENT lsp-bytes (#PCDATA)>
<!ELEMENT lsp-count (#PCDATA)>
<!ELEMENT lsp-creation-time (#PCDATA)>
<!ELEMENT lsp-description (#PCDATA)>
<!ELEMENT lsp-diffserv-info (#PCDATA)>
<!ELEMENT lsp-diffserv-te-info (#PCDATA)>
<!ELEMENT lsp-flags (#PCDATA)>
<!ELEMENT lsp-hold-priority (#PCDATA)>
<!ELEMENT lsp-hoplimit (#PCDATA)>
<!ELEMENT lsp-id (#PCDATA)>
<!ELEMENT lsp-interval (#PCDATA)>
<!ELEMENT lsp-last-change (#PCDATA)>
<!ATTLIST lsp-last-change junos:seconds CDATA #IMPLIED>
<!ELEMENT lsp-length (#PCDATA)>
<!ELEMENT lsp-name (#PCDATA)>
<!ELEMENT lsp-no-ldp-tunneling EMPTY>
<!ELEMENT lsp-packets (#PCDATA)>
<!ELEMENT lsp-path-count (#PCDATA)>
<!ELEMENT lsp-path-type (#PCDATA)>
<!ELEMENT lsp-pktbytes (#PCDATA)>
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<!ELEMENT lsp-queue-drops (#PCDATA)>
<!ELEMENT lsp-queue-length (#PCDATA)>
<!ELEMENT lsp-refcount (#PCDATA)>
<!ELEMENT lsp-retry-timer (#PCDATA)>
<!ELEMENT lsp-setup-priority (#PCDATA)>
<!ELEMENT lsp-soft-preemption-counter (#PCDATA)>
<!ELEMENT lsp-soft-preemption-time (#PCDATA)>
<!ELEMENT lsp-state (#PCDATA)>
<!ELEMENT lsp-status (#PCDATA)>
<!ELEMENT lsp-stub EMPTY>
<!ELEMENT lsp-sub-state (#PCDATA)>
<!ELEMENT lsp-to-pe-up (#PCDATA)>
<!ELEMENT lsp-type (#PCDATA)>
<!ELEMENT lsps-regenerated (#PCDATA)>
<!ELEMENT lsreq-active EMPTY>
<!ELEMENT lsreq-enqueued EMPTY>
<!ELEMENT lsreq-retransmit-time (#PCDATA)>
<!ELEMENT lsw-interface-name (#PCDATA)>
<!ELEMENT mac-address (#PCDATA)>
<!ELEMENT mac-limit (#PCDATA)>
<!ELEMENT mac_event_grat_timer_started (#PCDATA)>
<!ELEMENT mac_event_grat_timer_stopped (#PCDATA)>
<!ELEMENT master-slave (#PCDATA)>
<!ELEMENT max-available-bandwidth (#PCDATA)>
<!ELEMENT max-available-description (#PCDATA)>
<!ELEMENT max-bandwidth (#PCDATA)>
<!ELEMENT max-reserve-bandwidth (#PCDATA)>
<!ELEMENT max-run (#PCDATA)>
<!ELEMENT maximum (#PCDATA)>
<!ELEMENT maximum-area (#PCDATA)>
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<!ELEMENT maximum-bandwidth (#PCDATA)>
<!ELEMENT maximum-ecmp (#PCDATA)>
<!ELEMENT maximum-helper-recovery-time (#PCDATA)>
<!ELEMENT maximum-helper-restart-time (#PCDATA)>
<!ELEMENT maximum-lsp-bw0 (#PCDATA)>
<!ELEMENT maximum-lsp-bw1 (#PCDATA)>
<!ELEMENT maximum-lsp-bw2 (#PCDATA)>
<!ELEMENT maximum-lsp-bw3 (#PCDATA)>
<!ELEMENT maximum-lsp-bw4 (#PCDATA)>
<!ELEMENT maximum-lsp-bw5 (#PCDATA)>
<!ELEMENT maximum-lsp-bw6 (#PCDATA)>
<!ELEMENT maximum-lsp-bw7 (#PCDATA)>
<!ELEMENT mc-global-resolves-no-route (#PCDATA)>
<!ELEMENT mc-groups-no-mc-interface (#PCDATA)>
<!ELEMENT mc-input-kbytes (#PCDATA)>
<!ELEMENT mc-input-packets (#PCDATA)>
<!ELEMENT mc-mismatch-errors (#PCDATA)>
<!ELEMENT mc-mismatches (#PCDATA)>
<!ELEMENT mc-mismatches-no-mc-interface (#PCDATA)>
<!ELEMENT mc-mismatches-no-route (#PCDATA)>
<!ELEMENT mc-notifies-no-mc-interface (#PCDATA)>
<!ELEMENT mc-notifies-no-route (#PCDATA)>
<!ELEMENT mc-output-kbytes (#PCDATA)>
<!ELEMENT mc-output-packets (#PCDATA)>
<!ELEMENT mc-resolve-errors (#PCDATA)>
<!ELEMENT mc-resolves (#PCDATA)>
<!ELEMENT mc-resolves-filtered (#PCDATA)>
<!ELEMENT mc-resolves-no-mc-interface (#PCDATA)>
<!ELEMENT mc-resolves-no-route (#PCDATA)>
<!ELEMENT mc-routing-notifies (#PCDATA)>
<!ELEMENT mc-routing-notifies-filtered (#PCDATA)>
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<!ELEMENT mc-stats-interface (interface-name | protocol-name | mc-mismatch-errors
| mc-mismatches | mc-mismatches-no-route | mc-resolves | mc-routing-notifies |
mc-resolves-no-route | mc-resolve-errors | mc-resolves-filtered |
mc-routing-notifies-filtered | mc-input-kbytes | mc-input-packets |
mc-output-kbytes | mc-output-packets)*>

<!ELEMENT mdt-active-tunnel (mdt-customer-source-address |
mdt-customer-group-address | mdt-provider-group-address | mdt-tunnel-interface-name
| mdt-forwarding-rate-kilobits | mdt-forwarding-rate-kilobytes |
mdt-configured-threshold-rate | mdt-tunnel-uptime |
mdt-default-tunnel-information)*>

<!ELEMENT mdt-configured-threshold-rate (#PCDATA)>

<!ELEMENT mdt-customer-group-address (#PCDATA)>

<!ELEMENT mdt-customer-source-address (#PCDATA)>

<!ELEMENT mdt-default-group-address (#PCDATA)>

<!ELEMENT mdt-default-interface-name (#PCDATA)>

<!ELEMENT mdt-default-source-address (#PCDATA)>

<!ELEMENT mdt-default-tunnel-information (#PCDATA)>

<!ELEMENT mdt-default-tunnel-source (#PCDATA)>

<!ELEMENT mdt-forwarding-rate-kilobits (#PCDATA)>

<!ELEMENT mdt-forwarding-rate-kilobytes (#PCDATA)>

<!ELEMENT mdt-pim-instance (#PCDATA)>

<!ELEMENT mdt-provider-group-address (#PCDATA)>

<!ELEMENT mdt-tunnel-direction (#PCDATA)>

<!ELEMENT mdt-tunnel-interface-name (#PCDATA)>

<!ELEMENT mdt-tunnel-mode (#PCDATA)>

<!ELEMENT mdt-tunnel-uptime (#PCDATA)>
<!ATTLIST mdt-tunnel-uptime junos:seconds CDATA #IMPLIED>

<!ELEMENT med (#PCDATA)>

<!ELEMENT med-action (#PCDATA)>

<!ELEMENT med-plus-igp (#PCDATA)>

<!ELEMENT membership-timeout (#PCDATA)>

<!ELEMENT merit (#PCDATA)>

<!ELEMENT mesh-group (#PCDATA)>

<!ELEMENT mesh-group-connection (mesh-group-name | connection |
connections-summary)*>
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<!ELEMENT mesh-group-count (#PCDATA)>

<!ELEMENT mesh-group-id (#PCDATA)>

<!ELEMENT mesh-group-interfaces (mesh-group-name | mesh-group-id | mesh-group-state
| interface)*>

<!ELEMENT mesh-group-name (#PCDATA)>

<!ELEMENT mesh-group-state (#PCDATA)>

<!ELEMENT mesh-group-up-count (#PCDATA)>

<!ELEMENT meshgroup-name (#PCDATA)>

<!ELEMENT meshgroup-vrf-export (#PCDATA)>

<!ELEMENT meshgroup-vrf-export-target (#PCDATA)>

<!ELEMENT meshgroup-vrf-import (#PCDATA)>

<!ELEMENT meshgroup-vrf-import-target (#PCDATA)>

<!ELEMENT message (#PCDATA)>

<!ELEMENT message-statistics (rsvp-message | messages-sent | messages-received |
messages-sent-5seconds | messages-received-5seconds)*>

<!ELEMENT messages-received (#PCDATA)>

<!ELEMENT messages-received-5seconds (#PCDATA)>

<!ELEMENT messages-sent (#PCDATA)>

<!ELEMENT messages-sent-5seconds (#PCDATA)>

<!ELEMENT metric (#PCDATA)>

<!ELEMENT metric-flag (#PCDATA)>

<!ELEMENT metric-one (#PCDATA)>

<!ELEMENT metric-out (#PCDATA)>

<!ELEMENT metric-two (#PCDATA)>

<!ELEMENT metric-type (#PCDATA)>

<!ELEMENT metric2 (#PCDATA)>

<!ELEMENT mgm-amt-configured-parameters (query-interval | query-response-interval
| last-member-query-interval | robustness-count)*>
<!ATTLIST mgm-amt-configured-parameters junos:style CDATA #IMPLIED>

<!ELEMENT mgm-amt-derived-parameters (membership-timeout | query-other-timeout)*>
<!ATTLIST mgm-amt-derived-parameters junos:style CDATA #IMPLIED>

<!ELEMENT mgm-configured-parameters (query-interval | query-response-interval |
last-member-query-interval | robustness-count)*>
<!ATTLIST mgm-configured-parameters junos:style CDATA #IMPLIED>

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<!ELEMENT mgm-derived-parameters (membership-timeout | query-other-timeout)*>
<!ATTLIST mgm-derived-parameters junos:style CDATA #IMPLIED>

<!ELEMENT mgm-disabled-interface-name (#PCDATA)>

<!ELEMENT mgm-group (multicast-group-address | multicast-source-address |
mgm-source-timeout | last-address | mgm-timeout | mgm-type | mgm-group-mode-type
| host-record | reverse-oif | mgm-group-output-interface |
mgm-output-interface-status)*>
<!ATTLIST mgm-group junos:style CDATA #IMPLIED>

<!ELEMENT mgm-group-count (#PCDATA)>

<!ELEMENT mgm-group-input-interface (#PCDATA)>

<!ELEMENT mgm-group-limit (#PCDATA)>

<!ELEMENT mgm-group-mode-type (#PCDATA)>

<!ELEMENT mgm-group-output-interface (#PCDATA)>

<!ELEMENT mgm-group-policy (#PCDATA)>

<!ELEMENT mgm-host (mgm-host-address | mgm-host-record-count)*>
<!ATTLIST mgm-host junos:style CDATA #IMPLIED>

<!ELEMENT mgm-host-address (#PCDATA)>

<!ELEMENT mgm-host-record-count (#PCDATA)>

<!ELEMENT mgm-immediate-leave (#PCDATA)>

<!ELEMENT mgm-interface (interface-name | querier-address | mgm-interface-state
| querier-timeout | mgm-interface-version | mgm-group-count | mgm-ssm-map |
mgm-mc-lag-state | mgm-immediate-leave | mgm-promiscuous-mode | mgm-passive |
mgm-passive-allow-receive | mgm-passive-send-general-query |
mgm-passive-send-group-query | mgm-group-limit | mgm-group-policy | mgm-oif-map
| mgm-host)*>

<!ELEMENT mgm-interface-all EMPTY>

<!ELEMENT mgm-interface-groups (interface-name | mgm-group-count | mgm-group)*>

<!ELEMENT mgm-interface-output-groups (interface-name | mgm-output-interface-status
| mgm-output-group)*>

<!ELEMENT mgm-interface-state (#PCDATA)>

<!ELEMENT mgm-interface-version (#PCDATA)>

<!ELEMENT mgm-mc-lag-state (#PCDATA)>

<!ELEMENT mgm-oif-map (#PCDATA)>

<!ELEMENT mgm-other-statistic (statistic-name | statistic-count)*>
<!ATTLIST mgm-other-statistic junos:style CDATA #IMPLIED>

<!ELEMENT mgm-output-group (multicast-group-address | multicast-source-address |
mgm-type | mgm-group-mode-type | mgm-group-input-interface)*>
<!ATTLIST mgm-output-group junos:style CDATA #IMPLIED>
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<!ELEMENT mgm-output-interface-status (#PCDATA)>

<!ELEMENT mgm-passive (#PCDATA)>

<!ELEMENT mgm-passive-allow-receive EMPTY>

<!ELEMENT mgm-passive-send-general-query EMPTY>

<!ELEMENT mgm-passive-send-group-query EMPTY>

<!ELEMENT mgm-promiscuous-mode (#PCDATA)>

<!ELEMENT mgm-source-timeout (#PCDATA)>

<!ELEMENT mgm-ssm-map (#PCDATA)>

<!ELEMENT mgm-statistic (statistic-name | received-count | sent-count |
error-count)*>
<ATTLIST mgm-statistic junos:style CDATA #IMPLIED>

<!ELEMENT mgm-statistics-all (mgm-statistics-group | mgm-statistics-other |
mgm-statistics-global)*>

<!ELEMENT mgm-statistics-global (mgm-other-statistic)*>

<!ELEMENT mgm-statistics-group (mgm-statistic)*>

<!ELEMENT mgm-statistics-interface (interface-name | mgm-disabled-interface-name
| mgm-interface-all | mgm-statistics-group | mgm-statistics-other |
mgm-statistics-global | mgm-statistic | mgm-other-statistic)*>
<ATTLIST mgm-statistics-interface junos:style CDATA #IMPLIED>

<!ELEMENT mgm-statistics-other (mgm-other-statistic)*>

<!ELEMENT mgm-timeout (#PCDATA)>

<!ELEMENT mgm-type (#PCDATA)>

<!ELEMENT minimum-bandwidth (#PCDATA)>

<!ELEMENT minimum-lsp-bw (#PCDATA)>

<!ELEMENT mld-group-information (mgm-interface-groups)*>

<!ELEMENT mld-hosts-information (mgm-disabled-interface-name | mgm-interface)*>

<!ELEMENT mld-interface-information (mgm-interface | mgm-configured-parameters |
mgm-derived-parameters)*>

<!ELEMENT mld-output-group-information (mgm-interface-output-groups)*>

<!ELEMENT mld-statistics-information (mgm-statistics-interface |
mgm-statistics-other | mgm-statistics-global | mgm-statistics-all)*>

<!ELEMENT monitor-lsp-bandwidth EMPTY>

<!ELEMENT mpls-admin-group (admin-group-name | index)*>

<!ELEMENT mpls-admin-group-extended (range | admin-group-name |
admin-group-index)*>

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<!ELEMENT mpls-admin-group-extended-information (mpls-admin-group-extended)*>

<!ELEMENT mpls-admin-group-information (mpls-admin-group)*>

<!ELEMENT mpls-call-admission-control (mpls-lsp)*>

<!ELEMENT mpls-call-admission-control-information (mpls-call-admission-control)*>

<!ELEMENT mpls-context-identifier (context-identifier | context-type | metric |
context-table | context-lsps | context-lsp-ingress-router | context-lsp-name |
context-lsp-is-detour | context-total-count | primary-context-count |
protector-context-count)*>
<!ATTLIST mpls-context-identifier junos:style CDATA #IMPLIED>

<!ELEMENT mpls-context-identifier-information (mpls-context-identifier)*>

<!ELEMENT mpls-cspf (cspf-queue | cspf-paths | cspf-timing)*>
<!ATTLIST mpls-cspf heading CDATA #IMPLIED>

<!ELEMENT mpls-cspf-information (mpls-cspf)*>

<!ELEMENT mpls-diffserv-te-information (bandwidth-model | te-class-map)*>

<!ELEMENT mpls-error (mpls-error-msg)*>

<!ELEMENT mpls-error-msg (#PCDATA)>

<!ELEMENT mpls-interface (interface-name | mpls-interface-state | no-group-flag
| admin-group-name | admin-group-number)*>

<!ELEMENT mpls-interface-detail (interface-name | mpls-interface-state |
static-revert-time | always-mark-connection-protection-tlv |
mpls-interface-switch-away-lsps | no-group-flag | admin-group-name |
admin-group-number | admin-group-extended-name | admin-group-extended-number)*>

<!ELEMENT mpls-interface-information (mpls-interface | mpls-interface-detail)*>

<!ELEMENT mpls-interface-state (#PCDATA)>

<!ELEMENT mpls-interface-switch-away-lsps (#PCDATA)>

<!ELEMENT mpls-label (#PCDATA)>

<!ELEMENT mpls-lsp (destination-address | source-address | lsp-state | route-count
| active-path | is-primary | name | bidirectional | lsp-description | lsp-pktbytes
| lsp-packets | lsp-bytes | no-statistics | mpls-p2mp-name | lsp-type |
is-fastreroute | is-linkprotection | is-nodeprotection | is-inter-domain-path |
load-balance | lsp-diffserv-te-info | metric | revert-timer | revert-timer-remain
| optimize-protection-timer | admin-groups | admin-groups-extended |
lsp-creation-time | lsp-soft-preemption-counter | lsp-soft-preemption-time |
retry-timer | retry-limit | mpls-lsp-autobandwidth | mpls-lsp-path |
mpls-lsp-attributes)*>

<!ELEMENT mpls-lsp-attributes (signal-type | encoding-type | switching-type |
gpId | protection-type)*>

<!ELEMENT mpls-lsp-autobandwidth (monitor-lsp-bandwidth | minimum-bandwidth |
maximum-bandwidth | adjust-timer | bandwidth | time-to-adjust | adjust-threshold
| overflow-limit | overflow-sample-count | underflow-limit |
underflow-sample-count)*>
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<!ELEMENT mpls-lsp-defaults (lsp-setup-priority | lsp-hold-priority |
lsp-retry-timer | lsp-hoplimit | lsp-bandwidth)*>

<!ELEMENT mpls-lsp-defaults-information (mpls-lsp-defaults)*>

<!ELEMENT mpls-lsp-information (rsvp-session-data)*>

<!ELEMENT mpls-lsp-path (path-active | title | name | path-state | cos |
no-decrement-ttl | preference | path-soft-preemption-pending | setup-priority |
hold-priority | bandwidth | actual-bandwidth | per-class-bandwidth-heading |
bandwidth_ct0 | bandwidth_ct1 | bandwidth_ct2 | bandwidth_ct3 | path-adaptive |
path-no-recordroute | hoplimit | optimize-timer | smart-optimize-timer |
admin-groups | admin-groups-extended | retry-timer | retry-limit | cspf-status |
explicit-route | received-rro | oam-state | path-history |
path-available-bandwidth | layer2-connection)*>

<!ELEMENT mpls-lsp-replication (mpls-pvc-name | mpls-pvc-state | mpls-pvc-resolved
| mpls-path-resolved | mpls-pvc-replication | mpls-path-replication)*>
<ATTLIST mpls-lsp-replication junos:style CDATA #IMPLIED>

<!ELEMENT mpls-lsp-replication-information (mpls-lsp-replication)*>

<!ELEMENT mpls-lsp-type (#PCDATA)>

<!ELEMENT mpls-mirror-oam-address (#PCDATA)>

<!ELEMENT mpls-mirror-oam-local-bfd-disc (#PCDATA)>

<!ELEMENT mpls-mirror-oam-mpls-oam-address (#PCDATA)>

<!ELEMENT mpls-mirror-oam-refcount (#PCDATA)>

<!ELEMENT mpls-mirror-oam-remote-bfd-disc (#PCDATA)>

<!ELEMENT mpls-oam-bfd-dest-addr (#PCDATA)>

<!ELEMENT mpls-oam-instance-id (#PCDATA)>

<!ELEMENT mpls-oam-ldp-fec (#PCDATA)>

<!ELEMENT mpls-oam-ldp-fec-len (#PCDATA)>

<!ELEMENT mpls-oam-ldp-replication (mpls-oam-instance-id | mpls-oam-type |
mpls-oam-ldp-fec | mpls-oam-ldp-fec-len | mpls-oam-bfd-dest-addr |
mpls-mirror-oam-local-bfd-disc | mpls-oam-ldp-source |
mpls-mirror-oam-remote-bfd-disc | mpls-mirror-oam-refcount |
mpls-mirror-oam-address | mpls-mirror-oam-mpls-oam-address)*>

<!ELEMENT mpls-oam-ldp-replication-information (mpls-oam-ldp-replication)*>

<!ELEMENT mpls-oam-ldp-source (#PCDATA)>

<!ELEMENT mpls-oam-type (#PCDATA)>

<!ELEMENT mpls-p2mp-branch-count (#PCDATA)>

<!ELEMENT mpls-p2mp-lsp (mpls-p2mp-name | mpls-p2mp-branch-count)*>

<!ELEMENT mpls-p2mp-lsp-name (#PCDATA)>

<!ELEMENT mpls-p2mp-name (#PCDATA)>

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<!ELEMENT mpls-p2mp-restart-database (mpls-p2mp-restart-lsp)*>

<!ELEMENT mpls-p2mp-restart-database-information (mpls-p2mp-restart-database)*>

<!ELEMENT mpls-p2mp-restart-lsp (name | tunnel-id | lsp-id | lsp-flags |
subgroup-id | application-owner | branch-lsp-count | mpls-restart-lsp)*>

<!ELEMENT mpls-path (name | address | path-type | telink-id)*>

<!ELEMENT mpls-path-active-bw (#PCDATA)>

<!ELEMENT mpls-path-dst-port (#PCDATA)>

<!ELEMENT mpls-path-information (mpls-path)*>

<!ELEMENT mpls-path-inst-metric (#PCDATA)>

<!ELEMENT mpls-path-inst-repl (psb-id | explicit-route | mpls-path-inst-state |
mpls-path-inst-metric | mpls-path-inst-src-port)*>

<!ELEMENT mpls-path-inst-src-port (#PCDATA)>

<!ELEMENT mpls-path-inst-state (#PCDATA)>

<!ELEMENT mpls-path-name (#PCDATA)>

<!ELEMENT mpls-path-pvc-name (#PCDATA)>

<!ELEMENT mpls-path-refcount (#PCDATA)>

<!ELEMENT mpls-path-replication (mpls-path-type | mpls-path-name |
mpls-path-pvc-name | mpls-path-resolved | mpls-path-replication-type |
mpls-path-active-bw | mpls-path-dst-port | mpls-path-refcount |
mpls-path-inst-repl)*>
<!ATTLIST mpls-path-replication junos:style CDATA #IMPLIED>

<!ELEMENT mpls-path-replication-information (mpls-path-replication)*>

<!ELEMENT mpls-path-replication-type (#PCDATA)>

<!ELEMENT mpls-path-resolved (#PCDATA)>

<!ELEMENT mpls-path-type (#PCDATA)>

<!ELEMENT mpls-pvc-active-path-name (#PCDATA)>

<!ELEMENT mpls-pvc-active-path-type (#PCDATA)>

<!ELEMENT mpls-pvc-autobw-max-avg (#PCDATA)>

<!ELEMENT mpls-pvc-dst-port (#PCDATA)>

<!ELEMENT mpls-pvc-id (#PCDATA)>

<!ELEMENT mpls-pvc-name (#PCDATA)>

<!ELEMENT mpls-pvc-refcount (#PCDATA)>

<!ELEMENT mpls-pvc-replication (mpls-pvc-name | mpls-pvc-id | mpls-pvc-dst-port
| mpls-pvc-active-path-type | mpls-pvc-active-path-name | mpls-pvc-autobw-max-avg
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    | mpls-pvc-refcount | mpls-pvc-resolved)*>
<!ATTLIST mpls-pvc-replication junos:style CDATA #IMPLIED>

<!ELEMENT mpls-pvc-replication-information (mpls-pvc-replication)*>

<!ELEMENT mpls-pvc-resolved (#PCDATA)>

<!ELEMENT mpls-pvc-state (#PCDATA)>

<!ELEMENT mpls-restart-database (mpls-restart-lsp)*>

<!ELEMENT mpls-restart-database-information (mpls-restart-database)*>

<!ELEMENT mpls-restart-lsp (name | destination-address | source-address | lsp-state
| lsp-flags | lsp-path-count | mpls-lsp-attributes | mpls-restart-path)*>

<!ELEMENT mpls-restart-path (lsp-path-type | name | path-standby | path-active |
path-state | lsp-id | tunnel-id | subgroup-id | path-flags | bandwidth |
per-class-bandwidth-heading | bandwidth_ct0 | bandwidth_ct1 | bandwidth_ct2 |
bandwidth_ct3 | explicit-route | mpls-restart-rsvp)*>

<!ELEMENT mpls-restart-rsvp (next-hop | interface-name | telink-name |
upstream-label-in | label-out | self-id | explicit-route)*>

<!ELEMENT mpls-static-ingress-lsp-brief (lsp-name | destination-address |
lsp-state)*>

<!ELEMENT mpls-static-ingress-lsp-descriptions (lsp-name | destination-address |
lsp-description)*>

<!ELEMENT mpls-static-ingress-lsp-statistics (lsp-name | destination-address |
lsp-state | lsp-pktbytes | lsp-packets | lsp-bytes)*>

<!ELEMENT mpls-static-lsp-detail (lsp-name | destination-address | label-in |
lsp-description | lsp-state | lsp-sub-state | next-hop | interface-name |
label-operation | label-out | creation-time | lp-bypass-name | np-bypass-name |
next-next-label | bandwidth_ct0 | spvc-id | self-id | lsp-pktbytes | lsp-packets
| lsp-bytes)*>

<!ELEMENT mpls-static-lsp-information (mpls-static-lsp-summary |
mpls-static-ingress-lsp-brief | mpls-static-transit-lsp-brief |
mpls-static-ingress-lsp-descriptions | mpls-static-transit-lsp-descriptions |
mpls-static-ingress-lsp-statistics | mpls-static-transit-lsp-statistics |
mpls-static-lsp-detail)*>

<!ELEMENT mpls-static-lsp-summary (session-type | count | display-count | up-count
| down-count)*>

<!ELEMENT mpls-static-restart-database (mpls-static-restart-lsp)*>

<!ELEMENT mpls-static-restart-database-information (mpls-static-restart-database)*>

<!ELEMENT mpls-static-restart-lsp (name | spvc-type | spvc-id | self-id)*>

<!ELEMENT mpls-static-transit-lsp-brief (lsp-name | label-in | lsp-state)*>

<!ELEMENT mpls-static-transit-lsp-descriptions (lsp-name | label-in |
lsp-description)*>

<!ELEMENT mpls-static-transit-lsp-statistics (lsp-name | label-in | lsp-state |
lsp-pktbytes | lsp-packets | lsp-bytes)*>

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<!ELEMENT mpls-type-bfd-ip-udp-fd (#PCDATA)>

<!ELEMENT mpls-type-bfd-ip-udp-fd-fss (#PCDATA)>

<!ELEMENT mpls-type-bfd-pw-ach-fd (#PCDATA)>

<!ELEMENT mpls-type-bfd-pw-ach-fd-fss (#PCDATA)>

<!ELEMENT mpls-type-control-word (#PCDATA)>

<!ELEMENT mpls-type-icmp-ping (#PCDATA)>

<!ELEMENT mpls-type-lsp-ping (#PCDATA)>

<!ELEMENT mpls-type-pw-label (#PCDATA)>

<!ELEMENT mpls-type-router-alert (#PCDATA)>

<!ELEMENT msdp-accept EMPTY>

<!ELEMENT msdp-active-source-limit-exceeded (#PCDATA)>

<!ELEMENT msdp-connect-retries (#PCDATA)>

<!ELEMENT msdp-errors-received (#PCDATA)>

<!ELEMENT msdp-filtered EMPTY>

<!ELEMENT msdp-global-active-source-limit-exceeded (#PCDATA)>

<!ELEMENT msdp-group-name (#PCDATA)>

<!ELEMENT msdp-instance (instance-name | msdp-no-routes | msdp-route |
msdp-no-source | msdp-source | msdp-global-active-source-limit-exceeded |
msdp-peer-statistics)*>

<!ELEMENT msdp-keepalives-received (#PCDATA)>

<!ELEMENT msdp-keepalives-sent (#PCDATA)>

<!ELEMENT msdp-local-address (#PCDATA)>

<!ELEMENT msdp-message-received (#PCDATA)>
<!-- msdp-message-received junos:seconds CDATA #IMPLIED -->

<!ELEMENT msdp-message-received-absolute (#PCDATA)>

<!ELEMENT msdp-no-peer (#PCDATA)>

<!ELEMENT msdp-no-peers EMPTY>

<!ELEMENT msdp-no-routes (#PCDATA)>

<!ELEMENT msdp-no-source (#PCDATA)>

<!ELEMENT msdp-originator (#PCDATA)>

<!ELEMENT msdp-peer (msdp-peer-address | msdp-local-address | msdp-state |
msdp-state-change | msdp-group-name | msdp-connect-retries | msdp-state-timeout
| msdp-peer-timeout | msdp-sa-accepted | msdp-sa-received)*>
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<!ATTLIST msdp-peer junos:style CDATA #IMPLIED>

<!ELEMENT msdp-peer-address (#PCDATA)>

<!ELEMENT msdp-peer-information (msdp-no-peers | msdp-peer)*>

<!ELEMENT msdp-peer-statistics (msdp-peer-address | msdp-state-change-absolute |
  msdp-state-change | msdp-message-received-absolute | msdp-message-received |
  msdp-rpf-failures | msdp-remote-closes | msdp-peer-timeouts | msdp-sa-messages-sent
  | msdp-sa-messages-received | msdp-sa-requests-sent | msdp-sa-requests-received
  | msdp-sa-responses-sent | msdp-sa-responses-received |
  msdp-active-source-limit-exceeded | msdp-keepalives-sent | msdp-keepalives-received
  | msdp-unknowns-received | msdp-errors-received)*>

<!ELEMENT msdp-peer-timeout (#PCDATA)>

<!ELEMENT msdp-peer-timeouts (#PCDATA)>

<!ELEMENT msdp-reject EMPTY>

<!ELEMENT msdp-remote-closes (#PCDATA)>

<!ELEMENT msdp-route (multicast-group-address | multicast-source-address |
  msdp-route-peer)*>

<!ELEMENT msdp-route-peer (msdp-peer-address | msdp-originator |
  msdp-route-peer-flags)*>

<!ELEMENT msdp-route-peer-flags (msdp-accept | msdp-reject | msdp-filtered)*>

<!ELEMENT msdp-rpf-failures (#PCDATA)>

<!ELEMENT msdp-sa-accepted (#PCDATA)>

<!ELEMENT msdp-sa-messages-received (#PCDATA)>

<!ELEMENT msdp-sa-messages-sent (#PCDATA)>

<!ELEMENT msdp-sa-received (#PCDATA)>

<!ELEMENT msdp-sa-requests-received (#PCDATA)>

<!ELEMENT msdp-sa-requests-sent (#PCDATA)>

<!ELEMENT msdp-sa-responses-received (#PCDATA)>

<!ELEMENT msdp-sa-responses-sent (#PCDATA)>

<!ELEMENT msdp-source (msdp-source-prefix | msdp-source-prefix-length |
  msdp-source-type | msdp-source-limit-maximum | msdp-source-limit-threshold |
  msdp-source-limit-exceeded)*>

<!ELEMENT msdp-source-active-information (msdp-instance)*>

<!ELEMENT msdp-source-information (msdp-instance)*>

<!ELEMENT msdp-source-limit-exceeded (#PCDATA)>

<!ELEMENT msdp-source-limit-maximum (#PCDATA)>

<!ELEMENT msdp-source-limit-threshold (#PCDATA)>

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<!ELEMENT msdp-source-prefix (#PCDATA)>

<!ELEMENT msdp-source-prefix-length (#PCDATA)>

<!ELEMENT msdp-source-type (#PCDATA)>

<!ELEMENT msdp-state (#PCDATA)>

<!ELEMENT msdp-state-change (#PCDATA)>
<!ATTLIST msdp-state-change junos:seconds CDATA #IMPLIED>

<!ELEMENT msdp-state-change-absolute (#PCDATA)>

<!ELEMENT msdp-state-timeout (#PCDATA)>

<!ELEMENT msdp-statistics-information (msdp-no-peer | msdp-instance)*>

<!ELEMENT msdp-unknowns-received (#PCDATA)>

<!ELEMENT mstp-root-id (#PCDATA)>

<!ELEMENT mstp-root-snpa (mstp-root-id)*>

<!ELEMENT mstp_rt_add (#PCDATA)>

<!ELEMENT mstp_rt_chg (#PCDATA)>

<!ELEMENT mstp_rt_del (#PCDATA)>

<!ELEMENT mstp_rt_del_not_found (#PCDATA)>

<!ELEMENT mt-tlv (mtid)*>

<!ELEMENT mtid (#PCDATA)>

<!ELEMENT mtu (#PCDATA)>

<!ELEMENT mtu-mismatch-error (#PCDATA)>

<!ELEMENT multicast-aux-interface (#PCDATA)>

<!ELEMENT multicast-aux-interface-ignored EMPTY>

<!ELEMENT multicast-aux-nh-index (#PCDATA)>

<!ELEMENT multicast-aux-nh-index-ignored EMPTY>

<!ELEMENT multicast-aux-oif (multicast-aux-interface | multicast-ref-count |
multicast-aux-nh-index)*>

<!ELEMENT multicast-aux-oif-agg-req (multicast-sg-address)*>

<!ELEMENT multicast-aux-oif-agg-req-join (multicast-host-address |
multicast-group-address | multicast-source-address | multicast-rcvd-interface |
multicast-output-interface | multicast-aux-interface | multicast-aux-nh-index |
multicast-synthetic | multicast-unresolved | multicast-blocked |
multicast-aux-interface-ignored | multicast-aux-nh-index-ignored)*>

<!ELEMENT multicast-aux-oif-data (multicast-aux-oif-agg-req |
multicast-aux-oif-hosts)*>
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<!ELEMENT multicast-aux-oif-host (multicast-host-address | multicast-synthetic |
host-interface)*>

<!ELEMENT multicast-aux-oif-hosts (multicast-aux-oif-host)*>

<!ELEMENT multicast-aux-oif-join (multicast-source-address |
multicast-group-address | multicast-rcvd-interface | multicast-output-interface
| multicast-aux-interface | multicast-unresolved | multicast-synthetic |
multicast-blocked | multicast-aux-nh-index | multicast-aux-interface-ignored |
multicast-aux-nh-index-ignored)*>

<!ELEMENT multicast-aux-oif-request (multicast-source-address |
multicast-group-address | multicast-unresolved | multicast-aux-interface |
multicast-aux-nh-index | multicast-aux-interface-ignored |
multicast-aux-nh-index-ignored)*>

<!ELEMENT multicast-backup-pe-address (#PCDATA)>

<!ELEMENT multicast-backup-pe-address-information (multicast-backup-pe-address |
multicast-backup-pe-group-list | pe-address-local | lsp-to-pe-up)*>
<ATTLIST multicast-backup-pe-address-information junos:style CDATA #IMPLIED>

<!ELEMENT multicast-backup-pe-group (multicast-backup-pe-group-name | designated-pe
| transitions | last-transition | local-pe-address | backup-pes)*>
<ATTLIST multicast-backup-pe-group junos:style CDATA #IMPLIED>

<!ELEMENT multicast-backup-pe-group-list (multicast-backup-pe-group-member)*>

<!ELEMENT multicast-backup-pe-group-member (multicast-backup-pe-group-name)*>

<!ELEMENT multicast-backup-pe-group-name (#PCDATA)>

<!ELEMENT multicast-backup-pe-groups (instance-name | multicast-backup-pe-group)*>

<!ELEMENT multicast-backup-pe-groups-information (multicast-backup-pe-groups)*>

<!ELEMENT multicast-blocked EMPTY>

<!ELEMENT multicast-byte-count (#PCDATA)>

<!ELEMENT multicast-byte-count-not-available EMPTY>

<!ELEMENT multicast-bytes (#PCDATA)>

<!ELEMENT multicast-core-hash (#PCDATA)>

<!ELEMENT multicast-edge-hash (#PCDATA)>

<!ELEMENT multicast-flow-map (flow-map-name | policy-name | cache-timeout |
flow-bandwidth | bandwidth-type | redundant-sources)*>
<ATTLIST multicast-flow-map junos:style CDATA #IMPLIED>

<!ELEMENT multicast-flow-maps (instance-name | multicast-flow-map)*>

<!ELEMENT multicast-flow-maps-information (multicast-flow-maps)*>

<!ELEMENT multicast-group (multicast-group-address | multicast-source-count |
multicast-packet-count | multicast-packet-count-not-available |
multicast-byte-count | multicast-byte-count-not-available |
multicast-group-source)*>

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<!ATTLIST multicast-group junos:style CDATA #IMPLIED>

<!ELEMENT multicast-group-address (#PCDATA)>

<!ELEMENT multicast-group-count (#PCDATA)>

<!ELEMENT multicast-group-prefix (#PCDATA)>

<!ELEMENT multicast-group-source (multicast-source-address |
multicast-source-prefix-length | multicast-packet-count |
multicast-packet-count-not-available | multicast-byte-count |
multicast-byte-count-not-available)*>
<!ATTLIST multicast-group-source junos:style CDATA #IMPLIED>

<!ELEMENT multicast-host-address (#PCDATA)>

<!ELEMENT multicast-interface (interface-name | interface-max-bandwidth |
interface-remaining-bandwidth | interface-local-bandwidth-deduction |
interface-mapped-bandwidth-deduction | interface-reverse-oif-mapping |
interface-reverse-oif-mapping-no-qos-adjust | interface-subscriber-leave-timer |
interface-no-qos-adjust)*>

<!ELEMENT multicast-interface-information (multicast-interface)*>

<!ELEMENT multicast-member-map (#PCDATA)>

<!ELEMENT multicast-member-map-data (multicast-member-map | multicast-root-hash
| multicast-core-hash | multicast-edge-hash)*>

<!ELEMENT multicast-next-hops-information (next-hops-family)*>

<!ELEMENT multicast-output-interface (#PCDATA)>

<!ELEMENT multicast-packet-count (#PCDATA)>

<!ELEMENT multicast-packet-count-not-available EMPTY>

<!ELEMENT multicast-packets (#PCDATA)>

<!ELEMENT multicast-pim-to-igmp-proxy (instance-name | proxy-state |
proxy-upstream-interface)*>

<!ELEMENT multicast-pim-to-igmp-proxy-information (multicast-pim-to-igmp-proxy)*>

<!ELEMENT multicast-pim-to-mld-proxy (instance-name | proxy-state |
proxy-upstream-interface)*>

<!ELEMENT multicast-pim-to-mld-proxy-information (multicast-pim-to-mld-proxy)*>

<!ELEMENT multicast-rcvd-interface (#PCDATA)>

<!ELEMENT multicast-ref-count (#PCDATA)>

<!ELEMENT multicast-root-hash (#PCDATA)>

<!ELEMENT multicast-route (multicast-group-address | multicast-source-address |
multicast-route-vlan-id | multicast-route-bridge-domain |
multicast-route-mesh-group | multicast-source-prefix-length |
multicast-route-source | session-name | forwarding-rate-kilobytes |
forwarding-rate-packets | forwarded-packet-count | multicast-statistics-timed-out
| bandwidth-for-admission-control | upstream-interface-name | rpf-check-disabled
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    | downstream-interface-names | rejected-downstream-interface-names | next-hop-id
    | upstream-protocol | multicast-route-forwarding-state | multicast-route-state
    | multicast-route-timeout | interface-mismatch-count)*>
<!ATTLIST multicast-route junos:style CDATA #IMPLIED>

<!ELEMENT multicast-route-bridge-domain (#PCDATA)>

<!ELEMENT multicast-route-count (#PCDATA)>

<!ELEMENT multicast-route-forwarding-state (#PCDATA)>

<!ELEMENT multicast-route-information (multicast-route-no-group-prefix |
multicast-route-no-family | route-family)*>

<!ELEMENT multicast-route-mesh-group (#PCDATA)>

<!ELEMENT multicast-route-no-family (#PCDATA)>

<!ELEMENT multicast-route-no-group-prefix (#PCDATA)>

<!ELEMENT multicast-route-source (multicast-source-address)*>

<!ELEMENT multicast-route-state (#PCDATA)>

<!ELEMENT multicast-route-timeout (#PCDATA)>

<!ELEMENT multicast-route-type (#PCDATA)>

<!ELEMENT multicast-route-vlan-id (#PCDATA)>

<!ELEMENT multicast-rpf-information (rpf-family)*>

<!ELEMENT multicast-scope (scope-name | address-prefix | interface-name |
scope-rejects | scope-state)*>

<!ELEMENT multicast-scope-information (multicast-scope-policy |
multicast-scope-policy-interfaces | multicast-scope)*>
<!ATTLIST multicast-scope-information junos:style CDATA #IMPLIED>

<!ELEMENT multicast-scope-policy (#PCDATA)>

<!ELEMENT multicast-scope-policy-interface (interface-name | scope-rejects)*>

<!ELEMENT multicast-scope-policy-interfaces (instance-name | address-family |
multicast-scope-policy-interface)*>

<!ELEMENT multicast-session (session-announcement | session-name | session-version
| session-origin | upstream-protocol | session-description | session-uri |
session-email | session-phone | session-connection-data | session-bandwidth |
session-start-time | session-stop-time | session-encryption-key | session-attribute
| session-media)*>
<!ATTLIST multicast-session junos:style CDATA #IMPLIED>

<!ELEMENT multicast-session-count (#PCDATA)>

<!ELEMENT multicast-sessions-information (multicast-session |
multicast-session-count | multicast-sessions-type)*>

<!ELEMENT multicast-sessions-type (#PCDATA)>

<!ELEMENT multicast-sg-address (#PCDATA)>

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<!ELEMENT multicast-source (multicast-source-address |
multicast-source-prefix-length | multicast-group-count | multicast-packet-count
| multicast-packet-count-not-available | multicast-byte-count |
multicast-byte-count-not-available | multicast-source-group)*>
<!ATTLIST multicast-source junos:style CDATA #IMPLIED>

<!ELEMENT multicast-source-address (#PCDATA)>

<!ELEMENT multicast-source-count (#PCDATA)>

<!ELEMENT multicast-source-group (multicast-group-address | multicast-packet-count
| multicast-packet-count-not-available | multicast-byte-count |
multicast-byte-count-not-available)*>
<!ATTLIST multicast-source-group junos:style CDATA #IMPLIED>

<!ELEMENT multicast-source-prefix-length (#PCDATA)>

<!ELEMENT multicast-statistics (instance-name | address-family | mc-stats-interface
| mc-resolves-no-mc-interface | mc-global-resolves-no-route |
mc-notifies-no-mc-interface | mc-notifies-no-route | mc-mismatches-no-mc-interface
| mc-groups-no-mc-interface)*>

<!ELEMENT multicast-statistics-information (multicast-statistics)*>

<!ELEMENT multicast-statistics-timed-out EMPTY>

<!ELEMENT multicast-synthetic EMPTY>

<!ELEMENT multicast-tunnel (interface-name | tunnel-local-address |
tunnel-remote-address | tunnel-ttl)*>

<!ELEMENT multicast-tunnels-information (multicast-tunnel)*>

<!ELEMENT multicast-unresolved EMPTY>

<!ELEMENT multicast-usage-information (multicast-usage-no-group-prefix |
multicast-usage-strange-family | multicast-usage-timed-out | multicast-group |
multicast-source)*>

<!ELEMENT multicast-usage-no-group-prefix (#PCDATA)>

<!ELEMENT multicast-usage-strange-family (#PCDATA)>

<!ELEMENT multicast-usage-timed-out EMPTY>

<!ELEMENT mvpn-instance (instance-entry | instance-entry-summary)*>
<!ATTLIST mvpn-instance junos:style CDATA #IMPLIED>

<!ELEMENT mvpn-instance-information (mvpn-instance | instance)*>

<!ELEMENT name (#PCDATA)>

<!ELEMENT nbr-intf-id (#PCDATA)>

<!ELEMENT nbr-rtr-id (#PCDATA)>

<!ELEMENT needs-rebuild EMPTY>

<!ELEMENT neighbor (neighbor-entry)*>
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<!ELEMENT neighbor-address (#PCDATA)>
<!ELEMENT neighbor-adjacency-time (#PCDATA)>
<!ELEMENT neighbor-as (#PCDATA)>
<!ELEMENT neighbor-assert-metric (#PCDATA)>
<!ELEMENT neighbor-assert-preference (#PCDATA)>
<!ELEMENT neighbor-assert-timeout (#PCDATA)>
<!ELEMENT neighbor-cost (#PCDATA)>
<!ELEMENT neighbor-count (#PCDATA)>
<!ELEMENT neighbor-display-error (#PCDATA)>
<!ELEMENT neighbor-down-count (#PCDATA)>
<!ELEMENT neighbor-entry (neighbor-identifier | provider-tunnel-id)*>
<!ELEMENT neighbor-flags (#PCDATA)>
<!ELEMENT neighbor-id (#PCDATA)>
<!ELEMENT neighbor-identifier (#PCDATA)>
<!ELEMENT neighbor-idle (#PCDATA)>
<!ATTLIST neighbor-idle junos:seconds CDATA #IMPLIED>
<!ELEMENT neighbor-interface (#PCDATA)>
<!ELEMENT neighbor-join-sg-count (#PCDATA)>
<!ELEMENT neighbor-join-tsg-count (#PCDATA)>
<!ELEMENT neighbor-last-out-of-band-resync-time (#PCDATA)>
<!ELEMENT neighbor-local-instance (#PCDATA)>
<!ELEMENT neighbor-prefix (#PCDATA)>
<!ELEMENT neighbor-priority (#PCDATA)>
<!ELEMENT neighbor-remote-instance (#PCDATA)>
<!ELEMENT neighbor-replication-sync-status (#PCDATA)>
<!ELEMENT neighbor-secondary EMPTY>
<!ELEMENT neighbor-state (#PCDATA)>
<!ELEMENT neighbor-status (#PCDATA)>
<!ELEMENT neighbor-summary (neighbor-summary-count)*>
<!ELEMENT neighbor-summary-count (#PCDATA)>
<!ELEMENT neighbor-suppress-hello (#PCDATA)>
<!ATTLIST neighbor-suppress-hello junos:seconds CDATA #IMPLIED>
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<!ELEMENT neighbor-timeout (#PCDATA)>

<!ELEMENT neighbor-up-count (#PCDATA)>

<!ELEMENT neighbor-up-time (#PCDATA)>

<!ELEMENT netmask-mismatch-error (#PCDATA)>

<!ELEMENT network-element-id (#PCDATA)>

<!ELEMENT network-element-port-snpa (port-id)*>

<!ELEMENT next-hop (#PCDATA)>

<!ELEMENT next-hop-address (interface-address | lsp-name)*>

<!ELEMENT next-hop-downstream-interface (interface-name | interface-index |
interface-nh-index)*>

<!ELEMENT next-hop-element (interface-name | isis-next-hop-type | isis-next-hop
| snpa)*>

<!ELEMENT next-hop-id (#PCDATA)>

<!ELEMENT next-hop-kernel-ref-count (#PCDATA)>

<!ELEMENT next-hop-name (interface-name | interface-link-name)*>

<!ELEMENT next-hop-ref-count (#PCDATA)>

<!ELEMENT next-hop-type (#PCDATA)>

<!ELEMENT next-hops-family (address-family | iflist-next-hop)*>

<!ELEMENT next-next-label (#PCDATA)>

<!ELEMENT ngen-mvpn-mode (#PCDATA)>

<!ELEMENT nh (selected-next-hop | nh-string | elnh-address | ext-int-type | weight
| balance | uflags | filter | via | nh-local-interface | nh-table-receive |
nh-table | to | lsp-name | mpls-label | label-ttl-action | nh-service |
nh-service-pkt-dist | nh-service-app-data | nh-address | nh-index)*>

<!ELEMENT nh-address (#PCDATA)>

<!ELEMENT nh-flood-overflow EMPTY>

<!ELEMENT nh-index (#PCDATA)>

<!ELEMENT nh-kernel-id (#PCDATA)>

<!ELEMENT nh-local-interface (#PCDATA)>

<!ELEMENT nh-reference-count (#PCDATA)>

<!ELEMENT nh-service (#PCDATA)>

<!ELEMENT nh-service-app-data (#PCDATA)>

<!ELEMENT nh-service-pkt-dist (#PCDATA)>
```

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<!ELEMENT nh-string (#PCDATA)>

<!ELEMENT nh-table (#PCDATA)>

<!ELEMENT nh-table-receive (#PCDATA)>

<!ELEMENT nh-type (#PCDATA)>

<!ELEMENT nhh (nh-type | nh-index | nh-address | nh-reference-count |
ext-int-intf-index | nh-flood-overflow)*>

<!ELEMENT nlp-id (#PCDATA)>

<!ELEMENT nlri-flags (bgp-nlri-flag-explicit-null-for-all-routes |
bgp-nlri-flag-explicit-null-for-connected-routes | bgp-nlri-flag-aggregate-label
| bgp-nlri-flag-per-prefix-label | bgp-nlri-flag-per-group-label |
bgp-nlri-flag-traffic-stats | bgp-nlri-flag-l2vpn-status-vector |
bgp-nlri-flag-no-l2vpn-status-vector)*>

<!ELEMENT nlri-flow-novalidate (#PCDATA)>

<!ELEMENT nlri-information (nlri-type | nlri-flags | nlri-traffic-stats |
nlri-flow-novalidate)*>

<!ELEMENT nlri-name (#PCDATA)>

<!ELEMENT nlri-traffic-stats (tracing-information | traffic-stats-interval)*>

<!ELEMENT nlri-type (#PCDATA)>

<!ELEMENT nlri-type-peer (#PCDATA)>

<!ELEMENT nlri-type-session (#PCDATA)>

<!ELEMENT no-coverage-reason (#PCDATA)>

<!ELEMENT no-decrement-ttl EMPTY>

<!ELEMENT no-eligible-backup EMPTY>

<!ELEMENT no-error EMPTY>

<!ELEMENT no-first-fragment EMPTY>

<!ELEMENT no-group-flag EMPTY>

<!ELEMENT no-interface-error (#PCDATA)>

<!ELEMENT no-keepalive-timeout EMPTY>

<!ELEMENT no-label EMPTY>

<!ELEMENT no-rfc-1583 EMPTY>

<!ELEMENT no-route (#PCDATA)>

<!ELEMENT no-router-id-error (#PCDATA)>

<!ELEMENT no-statistics EMPTY>

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<!ELEMENT node (node-prefix | node-prefix-length | originating-rib | metric |
node-path-count | forwarding-nh-count | indirect-nh-count | composite-nh-count |
protocol-nh)*>

<!ELEMENT node-count (#PCDATA)>

<!ELEMENT node-id (#PCDATA)>

<!ELEMENT node-path-count (#PCDATA)>

<!ELEMENT node-prefix (#PCDATA)>

<!ELEMENT node-prefix-length (#PCDATA)>

<!ELEMENT nodes (#PCDATA)>

<!ELEMENT non-php EMPTY>

<!ELEMENT none EMPTY>

<!ELEMENT not-remote-address EMPTY>

<!ELEMENT note-network-services-mode (#PCDATA)>

<!ELEMENT np-bypass-name (#PCDATA)>

<!ELEMENT nssa-mismatch-error (#PCDATA)>

<!ELEMENT num-local-interfaces (#PCDATA)>

<!ELEMENT num-local-interfaces-up (#PCDATA)>

<!ELEMENT num-mac-count (#PCDATA)>

<!ELEMENT number (#PCDATA)>

<!ELEMENT number-events (#PCDATA)>

<!ELEMENT oam-bfd-session-state (#PCDATA)>

<!ELEMENT oam-lsp-ping-state (#PCDATA)>

<!ELEMENT oam-state (oam-bfd-session-state | oam-lsp-ping-state)*>

<!ELEMENT oif-name (#PCDATA)>

<!ELEMENT oob EMPTY>

<!ELEMENT open-receive-count (#PCDATA)>

<!ELEMENT open-send-count (#PCDATA)>

<!ELEMENT operational-routing-instance-information (instance-name)*>

<!ELEMENT operational-state (#PCDATA)>

<!ELEMENT optimize-protection-timer (#PCDATA)>

<!ELEMENT optimize-timer (#PCDATA)>

<!ELEMENT optional-capability (#PCDATA)>
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<!ELEMENT options (#PCDATA)>

<!ELEMENT originating-rib (#PCDATA)>

<!ELEMENT originator (#PCDATA)>

<!ELEMENT ospf-abr EMPTY>

<!ELEMENT ospf-abr-count (#PCDATA)>

<!ELEMENT ospf-area (#PCDATA)>

<!ELEMENT ospf-area-dc-bit-clear-count (#PCDATA)>

<!ELEMENT ospf-area-header (ospf-area)*>

<!ELEMENT ospf-area-indications-count (#PCDATA)>

<!ELEMENT ospf-area-overview (ospf-area | ospf-stub-type | ospf-stub-cost |
ospf-virtual-transit | authentication-type | ospf-abr-count | ospf-asbr-count |
ospf-nbr-overview | ospf-dna-uncapable | ospf-area-dc-bit-clear-count |
ospf-area-indications-count | ospf-area-self-indicating |
ospf-link-dc-bit-clear-count)*>

<!ELEMENT ospf-area-self-indicating EMPTY>

<!ELEMENT ospf-as-dc-bit-clear-count (#PCDATA)>

<!ELEMENT ospf-asbr EMPTY>

<!ELEMENT ospf-asbr-count (#PCDATA)>

<!ELEMENT ospf-backup-coverage-information (ospf-topology-backup-coverage)*>

<!ELEMENT ospf-backup-metric (#PCDATA)>

<!ELEMENT ospf-backup-mplsp (lsp-name | lsp-addr | lsp-status | metric | te-metric
| lsp-last-change)*>

<!ELEMENT ospf-backup-mplsp-information (ospf-backup-mplsp)*>

<!ELEMENT ospf-backup-neighbor (#PCDATA)>

<!ELEMENT ospf-backup-neighbor-from-metric (#PCDATA)>

<!ELEMENT ospf-backup-neighbor-information (ospf-topology-backup-neighbor)*>

<!ELEMENT ospf-backup-neighbor-is-lsp-endpoint EMPTY>

<!ELEMENT ospf-backup-neighbor-node (ospf-backup-neighbor |
ospf-backup-neighbor-is-lsp-endpoint | ospf-backup-neighbor-from-metric |
ospf-backup-neighbor-to-metric | ospf-backup-next-hop)*>

<!ELEMENT ospf-backup-neighbor-to-metric (#PCDATA)>

<!ELEMENT ospf-backup-next-hop (ospf-backup-next-hop-type |
ospf-backup-next-hop-interface | ospf-backup-next-hop-address |
ospf-backup-next-hop-lsp)*>

<!ELEMENT ospf-backup-next-hop-address (#PCDATA)>

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<!ELEMENT ospf-backup-next-hop-interface (#PCDATA)>

<!ELEMENT ospf-backup-next-hop-lsp (#PCDATA)>

<!ELEMENT ospf-backup-next-hop-type (#PCDATA)>

<!ELEMENT ospf-backup-node-coverage (ospf-area | ospf-covered-nodes |
ospf-total-nodes | ospf-node-coverage)*>

<!ELEMENT ospf-backup-preference (#PCDATA)>

<!ELEMENT ospf-backup-result-no-coverage-reason (#PCDATA)>

<!ELEMENT ospf-backup-result-status (#PCDATA)>

<!ELEMENT ospf-backup-route-coverage (ospf-path-type | ospf-covered-routes |
ospf-total-routes | ospf-route-coverage)*>

<!ELEMENT ospf-backup-spf-downstream-only EMPTY>

<!ELEMENT ospf-backup-spf-information (ospf-topology-backup-spf)*>

<!ELEMENT ospf-backup-spf-node (ospf-node-id | ospf-node-metric |
ospf-parent-node-id | ospf-next-hop | ospf-backup-next-hop |
ospf-backup-spf-result)*>

<!ELEMENT ospf-backup-spf-result (ospf-backup-neighbor | ospf-backup-preference
| ospf-backup-neighbor-is-lsp-endpoint | ospf-backup-metric |
ospf-backup-neighbor-from-metric | ospf-backup-neighbor-to-metric | ospf-track-item
| ospf-backup-result-status | ospf-backup-result-no-coverage-reason)*>

<!ELEMENT ospf-backup-spf-status (#PCDATA)>

<!ELEMENT ospf-configured-overload EMPTY>

<!ELEMENT ospf-configured-overload-remaining-time (#PCDATA)>
<!ATTLIST ospf-configured-overload-remaining-time junos:seconds CDATA #IMPLIED>

<!ELEMENT ospf-context-id (ospf-ctx-id | ospf-context-id-area |
ospf-context-id-type | ospf-context-id-metric | ospf-context-id-adv-metric |
ospf-context-id-pe-role | ospf-context-id-status |
ospf-context-id-advertising-router)*>

<!ELEMENT ospf-context-id-adv-metric (#PCDATA)>

<!ELEMENT ospf-context-id-advertising-router (#PCDATA)>

<!ELEMENT ospf-context-id-area (#PCDATA)>

<!ELEMENT ospf-context-id-information (ospf-context-id)*>

<!ELEMENT ospf-context-id-metric (#PCDATA)>

<!ELEMENT ospf-context-id-pe-role (#PCDATA)>

<!ELEMENT ospf-context-id-status (#PCDATA)>

<!ELEMENT ospf-context-id-type (#PCDATA)>

<!ELEMENT ospf-covered-nodes (#PCDATA)>
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<!ELEMENT ospf-covered-routes (#PCDATA)>

<!ELEMENT ospf-ctx-id (#PCDATA)>

<!ELEMENT ospf-database (lsa-type | our-entry | lsa-id | advertising-router |
sequence-number | age | ospf-do-not-age | options | checksum | lsa-length |
ospf-router-lsa | ospf-network-lsa | ospf-opaque-area-lsa |
ospf-opaque-link-local-lsa | ospf-summary-lsa | ospf-external-lsa |
ospf-database-extensive)*>
<!ATTLIST ospf-database external-heading CDATA #IMPLIED>
<!ATTLIST ospf-database heading CDATA #IMPLIED>

<!ELEMENT ospf-database-extensive (generation-timer | aging-timer |
installation-time | expiration-time | send-time | lsa-changed-time |
lsa-change-count | indication-lsa | database-entry-state | database-telink-id |
standby-flood-status)*>

<!ELEMENT ospf-database-information (ospf-area-header | ospf-intf-header |
ospf-database | ospf-database-summary)*>

<!ELEMENT ospf-database-replication (lsa-type | lsa-id | advertising-router |
sequence-number | age | ospf-do-not-age | ospf-synchronization-state |
ospf-route-table-index | ospf-area | ospf-router-id | ospf-ifl-index |
interface-address | installation-time | ospf-unsync-reason)*>

<!ELEMENT ospf-database-replication-information (ospf-database-replication)*>

<!ELEMENT ospf-database-summary (ospf-area | ospf-intf | ospf-lsa-count |
ospf-lsa-type)*>
<!ATTLIST ospf-database-summary external-heading CDATA #IMPLIED>

<!ELEMENT ospf-db-protection-ignore-current (#PCDATA)>

<!ELEMENT ospf-db-protection-ignore-maximum (#PCDATA)>

<!ELEMENT ospf-db-protection-ignore-time (#PCDATA)>

<!ELEMENT ospf-db-protection-lsa-current (#PCDATA)>

<!ELEMENT ospf-db-protection-lsa-maximum (#PCDATA)>

<!ELEMENT ospf-db-protection-lsa-warning (#PCDATA)>

<!ELEMENT ospf-db-protection-overview (ospf-db-protection-state |
ospf-db-protection-remaining-time | ospf-db-protection-warning-only |
ospf-db-protection-warning-threshold | ospf-db-protection-lsa-current |
ospf-db-protection-lsa-warning | ospf-db-protection-lsa-maximum |
ospf-db-protection-ignore-time | ospf-db-protection-reset-time |
ospf-db-protection-ignore-current | ospf-db-protection-ignore-maximum)*>

<!ELEMENT ospf-db-protection-remaining-time (#PCDATA)>

<!ELEMENT ospf-db-protection-reset-time (#PCDATA)>

<!ELEMENT ospf-db-protection-state (#PCDATA)>

<!ELEMENT ospf-db-protection-warning-only EMPTY>

<!ELEMENT ospf-db-protection-warning-threshold (#PCDATA)>

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<!ELEMENT ospf-dna-uncapable EMPTY>

<!ELEMENT ospf-do-not-age EMPTY>

<!ELEMENT ospf-errors (runt-header-error | short-packets-error | bad-version-error
| truncated-packets-error | checksum-error | subnet-mismatch-error |
virtual-link-error | area-mismatch-error | authentication-mismatch-error |
authentication-failure-error | bad-packettype-error | netmask-mismatch-error |
hello-interval-mismatch-error | dead-interval-mismatch-error |
stub-area-mismatch-error | nssa-mismatch-error | default-exclusion-mismatch-error
| mtu-mismatch-error | hello-received-error | no-interface-error |
no-router-id-error | instance-id-mismatch-error | lanp2p-cfgmismatch-error |
no-error)*>

<!ELEMENT ospf-external-lsa (address-mask | ospf-external-lsa-topology)*>

<!ELEMENT ospf-external-lsa-topology (ospf-topology-name | ospf-topology-id |
type-value | ospf-topology-metric | forward-address | tag)*>

<!ELEMENT ospf-full-spf-count (#PCDATA)>

<!ELEMENT ospf-ifl-index (#PCDATA)>

<!ELEMENT ospf-instance-name (#PCDATA)>

<!ELEMENT ospf-instance-neighbor (ospf-instance-name | ospf-neighbor)*>

<!ELEMENT ospf-interface (interface-name | ospf-interface-state | ospf-area |
dr-id | bdr-id | neighbor-count | interface-type | interface-address | address-mask
| mtu | interface-cost | virtual-link-transit-area | virtual-link-destination |
sham-link-local | sham-link-remote | dr-address | bdr-address | router-priority
| adj-count | interface-secondary | interface-flood-reduction | passive |
hello-interval | poll-interval | dead-interval | retransmit-interval |
ospf-stub-type | ipsec-sa | authentication-type | ospf-interface-topology |
active-key-id | active-key-start-time | ospf-interface-protection-type |
ospf-interface-no-eligible-backup | igp-ldp-sync-holdtime | igp-ldp-sync-state |
igp-ldp-sync-last-change | igp-ldp-sync-reason | igp-ldp-sync-timeleft |
interface-flood-list-count | flood-list-count | lsa-list |
interface-description-list)*>

<!ELEMENT ospf-interface-information (ospf-interface)*>

<!ELEMENT ospf-interface-no-eligible-backup EMPTY>

<!ELEMENT ospf-interface-protection-type (#PCDATA)>

<!ELEMENT ospf-interface-replication (interface-name | interface-address |
ospf-area | ospf-synchronization-state | ospf-ifl-index | ospf-router-id |
ospf-route-table-index | ospf-internal-index | ospf-sync-dr-id | ospf-sync-bdr-id
| dr-address | bdr-address | ospf-sync-dr-status | ospf-sync-bdr-status |
ospf-unsync-reason)*>

<!ELEMENT ospf-interface-replication-information (ospf-interface-replication)*>

<!ELEMENT ospf-interface-state (#PCDATA)>

<!ELEMENT ospf-interface-topology (ospf-topology-name | ospf-topology-id |
ospf-topology-passive | ospf-topology-disabled | ospf-topology-down |
ospf-topology-metric)*>

<!ELEMENT ospf-internal-index (#PCDATA)>
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<!ELEMENT ospf-intf (#PCDATA)>

<!ELEMENT ospf-intf-header (ospf-intf | ospf-area)*>

<!ELEMENT ospf-io-statistics (packets-read | average-per-run | max-run |
ospf-errors)*>

<!ELEMENT ospf-io-statistics-information (ospf-io-statistics)*>

<!ELEMENT ospf-link (link-id | link-data | link-type-name | link-type-value |
ospf-topology-count | metric | ospf-router-link-topology)*>

<!ELEMENT ospf-link-dc-bit-clear-count (#PCDATA)>

<!ELEMENT ospf-link-local-grace-lsa (tlv-grace-type-name | tlv-grace-value)*>

<!ELEMENT ospf-link-local-te-lsa (ospf-link-local-te-tlv |
ospf-link-local-te-subtlv)*>

<!ELEMENT ospf-link-local-te-subtlv (link-local-te-tlv-type-name | tlv-type-value
| tlv-length | bytes-left | formatted-tlv-data)*>

<!ELEMENT ospf-link-local-te-tlv (link-local-te-tlv-type-name | tlv-type-value |
tlv-length | bytes-left | formatted-tlv-data)*>

<!ELEMENT ospf-log-events (log-element | number-events)*>

<!ELEMENT ospf-log-information (ospf-topology-log)*>

<!ELEMENT ospf-log-instance (log-element)*>

<!ELEMENT ospf-log-maximum-length (log-element)*>

<!ELEMENT ospf-log-type (#PCDATA)>

<!ELEMENT ospf-lsa-count (#PCDATA)>

<!ELEMENT ospf-lsa-refresh-time (#PCDATA)>

<!ELEMENT ospf-lsa-topology (ospf-topology-name | ospf-topology-id |
ospf-lsa-topology-link)*>

<!ELEMENT ospf-lsa-topology-link (link-type-name | ospf-lsa-topology-link-node-id
| ospf-lsa-topology-link-metric | ospf-lsa-topology-link-state)*>

<!ELEMENT ospf-lsa-topology-link-metric (#PCDATA)>

<!ELEMENT ospf-lsa-topology-link-node-id (#PCDATA)>

<!ELEMENT ospf-lsa-topology-link-state (#PCDATA)>

<!ELEMENT ospf-lsa-type (#PCDATA)>

<!ELEMENT ospf-nbr-overview (ospf-nbr-up-count)*>

<!ELEMENT ospf-nbr-up-count (#PCDATA)>

<!ELEMENT ospf-neighbor (neighbor-address | interface-name | ospf-neighbor-state
| neighbor-id | neighbor-priority | activity-timer | ospf-area | options |
neighbor-secondary | neighbor-cost | dr-address | bdr-address | neighbor-up-time

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    | neighbor-adjacency-time | neighbor-last-out-of-band-resync-time |
neighbor-suppress-hello | master-slave | sequence-number | dbd-retransmit-time |
    lsreq-retransmit-time | lsreq-enqueued | lsreq-active | lsa-list |
ospf-neighbor-topology)*>

<!ELEMENT ospf-neighbor-information (ospf-neighbor)*>

<!ELEMENT ospf-neighbor-information-all (ospf-instance-neighbor)*>

<!ELEMENT ospf-neighbor-replication (interface-name | ospf-area | neighbor-id |
ospf-synchronization-state | ospf-neighbor-state | ospf-ifl-index |
ospf-route-table-index | ospf-unsync-reason)*>

<!ELEMENT ospf-neighbor-replication-information (ospf-neighbor-replication)*>

<!ELEMENT ospf-neighbor-state (#PCDATA)>

<!ELEMENT ospf-neighbor-topology (ospf-topology-name | ospf-topology-id |
ospf-neighbor-topology-state)*>

<!ELEMENT ospf-neighbor-topology-state (#PCDATA)>

<!ELEMENT ospf-network-lsa (address-mask | attached-router | ospf-lsa-topology)*>

<!ELEMENT ospf-next-hop (next-hop-name | next-hop-address)*>

<!ELEMENT ospf-node-coverage (#PCDATA)>

<!ELEMENT ospf-node-id (advertising-router | lsa-id)*>

<!ELEMENT ospf-node-metric (#PCDATA)>

<!ELEMENT ospf-nssa-router EMPTY>

<!ELEMENT ospf-opaque-area-lsa (tlv-block | te-subtlv)*>

<!ELEMENT ospf-opaque-link-local-lsa (ospf-link-local-grace-lsa |
ospf-link-local-te-lsa)*>

<!ELEMENT ospf-overview (instance-name | ospf-router-id | ospf-route-table-index
| ospf-configured-overload | ospf-configured-overload-remaining-time | ospf-abr
| ospf-asbr | ospf-nssa-router | ospf-lsa-refresh-time | ospf-traffic-engineering
| ospf-restart | ospf-restart-enabled | ospf-restart-duration |
ospf-restart-grace-period | ospf-standard-graceful-restart-helper-mode |
ospf-restart-signaling-helper-mode | no-rfc-1583 | ospf-dna-uncapable |
ospf-as-dc-bit-clear-count | ospf-area-dc-bit-clear-count |
ospf-area-indications-count | ospf-link-dc-bit-clear-count | tracing-information
| ospf-db-protection-overview | ospf-area-overview | ospf-topology-overview)*>

<!ELEMENT ospf-overview-information (ospf-overview)*>

<!ELEMENT ospf-packet-type (#PCDATA)>

<!ELEMENT ospf-parent-advertising-router (#PCDATA)>

<!ELEMENT ospf-parent-lsa-id (#PCDATA)>

<!ELEMENT ospf-parent-node-id (ospf-parent-advertising-router |
ospf-parent-lsa-id)*>

<!ELEMENT ospf-path-type (#PCDATA)>
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<!ELEMENT ospf-prefix-export-count (#PCDATA)>

<!ELEMENT ospf-prefix-export-limit (#PCDATA)>

<!ELEMENT ospf-restart (#PCDATA)>

<!ELEMENT ospf-restart-duration (#PCDATA)>

<!ELEMENT ospf-restart-enabled (#PCDATA)>

<!ELEMENT ospf-restart-grace-period (#PCDATA)>

<!ELEMENT ospf-restart-signaling-helper-mode (#PCDATA)>

<!ELEMENT ospf-route (ospf-route-entry)*>

<!ELEMENT ospf-route-coverage (#PCDATA)>

<!ELEMENT ospf-route-entry (address-prefix | route-path-type | route-type |
next-hop-type | interface-cost | ospf-next-hop | ospf-backup-next-hop | ospf-area
| optional-capability | route-origin | route-priority | type7 | pbit |
forward-nz)*>

<!ELEMENT ospf-route-information (ospf-topology-route-table)*>

<!ELEMENT ospf-route-table-index (#PCDATA)>

<!ELEMENT ospf-router-id (#PCDATA)>

<!ELEMENT ospf-router-link-topology (ospf-topology-name | ospf-topology-id |
ospf-topology-metric)*>

<!ELEMENT ospf-router-lsa (bits | link-count | ospf-link | ospf-lsa-topology)*>

<!ELEMENT ospf-spf-delay (#PCDATA)>
<ATTLIST ospf-spf-delay junos:seconds CDATA #IMPLIED>

<!ELEMENT ospf-spf-holddown (#PCDATA)>
<ATTLIST ospf-spf-holddown junos:seconds CDATA #IMPLIED>

<!ELEMENT ospf-spf-rapid-runs (#PCDATA)>

<!ELEMENT ospf-standard-graceful-restart-helper-mode (#PCDATA)>

<!ELEMENT ospf-statistics (packet-statistics | dbds-retransmit |
dbds-retransmit-5seconds | lsas-flooded | lsas-flooded-5seconds |
lsas-high-prio-flooded | lsas-high-prio-flooded-5seconds | lsas-retransmit |
lsas-retransmit-5seconds | lsas-nbr-transmit | lsas-nbr-transmit-5seconds |
lsas-requested | lsas-requested-5seconds | lsas-acknowledged |
lsas-acknowledged-5seconds | flood-queue-depth | total-retransmits |
total-database-summaries | total-linkstate-request | ospf-errors)*>

<!ELEMENT ospf-statistics-information (ospf-statistics)*>

<!ELEMENT ospf-stub-cost (#PCDATA)>

<!ELEMENT ospf-stub-type (#PCDATA)>

<!ELEMENT ospf-summary-lsa (address-mask | ospf-summary-lsa-topology)*>

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<!ELEMENT ospf-summary-lsa-topology (ospf-topology-name | ospf-topology-id |
ospf-topology-metric)*>

<!ELEMENT ospf-sync-bdr-id (#PCDATA)>

<!ELEMENT ospf-sync-bdr-status (#PCDATA)>

<!ELEMENT ospf-sync-dr-id (#PCDATA)>

<!ELEMENT ospf-sync-dr-status (#PCDATA)>

<!ELEMENT ospf-synchronization-state (#PCDATA)>

<!ELEMENT ospf-te-shortcuts EMPTY>

<!ELEMENT ospf-topology-area-backup-neighbor (ospf-area |
ospf-backup-neighbor-node)*>

<!ELEMENT ospf-topology-area-backup-spf (ospf-area | ospf-backup-spf-node)*>

<!ELEMENT ospf-topology-backup-coverage (ospf-topology-name |
ospf-backup-node-coverage | ospf-backup-route-coverage)*>

<!ELEMENT ospf-topology-backup-neighbor (ospf-topology-name |
ospf-topology-area-backup-neighbor)*>

<!ELEMENT ospf-topology-backup-spf (ospf-topology-name |
ospf-topology-area-backup-spf)*>

<!ELEMENT ospf-topology-configured-overload EMPTY>

<!ELEMENT ospf-topology-count (#PCDATA)>

<!ELEMENT ospf-topology-disabled EMPTY>

<!ELEMENT ospf-topology-down EMPTY>

<!ELEMENT ospf-topology-dynamic-overload EMPTY>

<!ELEMENT ospf-topology-id (#PCDATA)>

<!ELEMENT ospf-topology-log (ospf-topology-name | ospf-log-instance |
ospf-log-maximum-length | ospf-log-events)*>

<!ELEMENT ospf-topology-metric (#PCDATA)>

<!ELEMENT ospf-topology-name (#PCDATA)>

<!ELEMENT ospf-topology-overview (ospf-topology-name | ospf-topology-id |
ospf-topology-configured-overload | ospf-topology-dynamic-overload |
ospf-prefix-export-count | ospf-prefix-export-limit | ospf-full-spf-count |
ospf-spf-delay | ospf-spf-holddown | ospf-spf-rapid-runs | ospf-backup-spf-status
| ospf-backup-spf-downstream-only | ospf-te-shortcuts)*>

<!ELEMENT ospf-topology-passive EMPTY>

<!ELEMENT ospf-topology-route-table (ospf-topology-name | ospf-route)*>

<!ELEMENT ospf-total-nodes (#PCDATA)>

<!ELEMENT ospf-total-routes (#PCDATA)>
```

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<!ELEMENT ospf-track-item (#PCDATA)>

<!ELEMENT ospf-traffic-engineering EMPTY>

<!ELEMENT ospf-unsync-reason (#PCDATA)>

<!ELEMENT ospf-virtual-transit EMPTY>

<!ELEMENT ospf3-area-header (ospf-area)*>

<!ELEMENT ospf3-backup-coverage-information (ospf3-topology-backup-coverage)*>

<!ELEMENT ospf3-backup-mpls (lsp-name | lsp-addr | lsp-status | metric | te-metric
| lsp-last-change)*>

<!ELEMENT ospf3-backup-mpls-information (ospf3-backup-mpls)*>

<!ELEMENT ospf3-backup-neighbor-information (ospf3-topology-backup-neighbor)*>

<!ELEMENT ospf3-backup-neighbor-node (ospf-backup-neighbor |
ospf-backup-neighbor-is-lsp-endpoint | ospf-backup-neighbor-from-metric |
ospf-backup-neighbor-to-metric | ospf-backup-next-hop)*>

<!ELEMENT ospf3-backup-node-coverage (ospf-area | ospf-covered-nodes |
ospf-total-nodes | ospf-node-coverage)*>

<!ELEMENT ospf3-backup-route-coverage (ospf-path-type | ospf-covered-routes |
ospf-total-routes | ospf-route-coverage)*>

<!ELEMENT ospf3-backup-spf-information (ospf3-topology-backup-spf)*>

<!ELEMENT ospf3-backup-spf-node (ospf-node-id | lsa-id | ospf-node-metric |
ospf-parent-node-id | ospf-next-hop | ospf-backup-next-hop |
ospf3-backup-spf-result)*>

<!ELEMENT ospf3-backup-spf-result (ospf-backup-neighbor |
ospf-backup-neighbor-is-lsp-endpoint | ospf-backup-metric |
ospf-backup-neighbor-from-metric | ospf-backup-neighbor-to-metric | ospf-track-item
| ospf-backup-result-status | ospf-backup-result-no-coverage-reason)*>

<!ELEMENT ospf3-database (lsa-type | our-entry | lsa-id | advertising-router |
sequence-number | age | ospf-do-not-age | checksum | lsa-length | ospf3-router-lsa
| ospf3-network-lsa | ospf3-inter-area-prefix-lsa | ospf3-inter-area-router-lsa
| ospf3-external-lsa | ospf3-link-lsa | ospf3-intra-area-prefix-lsa |
ospf-database-extensive | ospf-opaque-link-local-lsa)*>
<!ATTLIST ospf3-database external-heading CDATA #IMPLIED>
<!ATTLIST ospf3-database heading CDATA #IMPLIED>

<!ELEMENT ospf3-database-information (ospf3-area-header | ospf3-intf-header |
ospf3-database | ospf3-database-summary)*>

<!ELEMENT ospf3-database-replication-information (ospf-database-replication)*>

<!ELEMENT ospf3-database-summary (ospf-area | ospf-intf | ospf-lsa-count |
ospf-lsa-type)*>
<!ATTLIST ospf3-database-summary external-heading CDATA #IMPLIED>

<!ELEMENT ospf3-external-lsa (ospf3-prefix | ospf3-prefix-options | type-value |
metric | forward-address | tag)*>

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<!ELEMENT ospf3-instance-neighbor (ospf-instance-name | ospf3-realm-neighbor)*>

<!ELEMENT ospf3-inter-area-prefix-lsa (ospf3-prefix | ospf3-prefix-options |
metric)*>

<!ELEMENT ospf3-inter-area-router-lsa (destination-router-id | ospf3-options |
metric)*>

<!ELEMENT ospf3-interface (interface-name | ospf-interface-state | ospf-area |
dr-id | bdr-id | neighbor-count | interface-address | prefix-length |
ospf3-interface-index | interface-type | mtu | interface-cost |
virtual-link-transit-area | virtual-link-destination | dr-address | bdr-address
| router-priority | adj-count | interface-secondary | interface-flood-reduction
| passive | hello-interval | poll-interval | dead-interval | retransmit-interval
| ospf-stub-type | ipsec-sa | ospf-interface-protection-type |
ospf-interface-no-eligible-backup | igp-ldp-sync-holdtime | igp-ldp-sync-state |
igp-ldp-sync-last-change | igp-ldp-sync-reason | igp-ldp-sync-timeleft |
ospf3-router-lsa-id | interface-flood-list-count | flood-list-count | lsa-list |
interface-description-list)*>

<!ELEMENT ospf3-interface-index (#PCDATA)>

<!ELEMENT ospf3-interface-information (ospf3-interface)*>

<!ELEMENT ospf3-interface-replication-information (ospf-interface-replication)*>

<!ELEMENT ospf3-intf-header (ospf-intf | ospf-area)*>

<!ELEMENT ospf3-intra-area-prefix-lsa (reference-lsa-type | reference-lsa-id |
reference-lsa-router-id | prefix-count | ospf3-prefix | ospf3-prefix-options |
ospf3-prefix-metric)*>

<!ELEMENT ospf3-io-statistics-information (ospf-io-statistics)*>

<!ELEMENT ospf3-link (link-type-name | link-type-value | link-intf-id | nbr-intf-id
| nbr-rtr-id | link-metric)*>

<!ELEMENT ospf3-link-lsa (linklocal-address | ospf3-options | router-priority |
prefix-count | ospf3-prefix | ospf3-prefix-options)*>

<!ELEMENT ospf3-log-information (ospf-log-instance | ospf-log-maximum-length |
ospf-log-events)*>

<!ELEMENT ospf3-lsa-topology (ospf-topology-name | ospf-topology-id |
ospf-lsa-topology-link | ospf3-lsa-topology-link)*>

<!ELEMENT ospf3-lsa-topology-link (link-type-name | ospf-lsa-topology-link-node-id
| ospf-lsa-topology-link-metric | ospf-lsa-topology-link-state)*>

<!ELEMENT ospf3-neighbor (neighbor-id | interface-name | ospf-neighbor-state |
neighbor-priority | activity-timer | neighbor-address | ospf-area | options |
neighbor-secondary | ospf3-interface-index | neighbor-cost | dr-id | bdr-id |
neighbor-up-time | neighbor-adjacency-time | neighbor-suppress-hello | master-slave
| sequence-number | dbd-retransmit-time | lsreq-retransmit-time | lsreq-enqueued
| lsreq-active | lsa-list)*>

<!ELEMENT ospf3-neighbor-information (ospf3-neighbor)*>

<!ELEMENT ospf3-neighbor-information-all (ospf3-instance-neighbor)*>

<!ELEMENT ospf3-neighbor-replication-information (ospf-neighbor-replication)*>
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<!ELEMENT ospf3-network-lsa (ospf3-options | attached-router |
ospf3-lsa-topology)*>

<!ELEMENT ospf3-options (#PCDATA)>

<!ELEMENT ospf3-overview-information (ospf-overview)*>

<!ELEMENT ospf3-prefix (#PCDATA)>

<!ELEMENT ospf3-prefix-metric (#PCDATA)>

<!ELEMENT ospf3-prefix-options (#PCDATA)>

<!ELEMENT ospf3-realm-name (#PCDATA)>

<!ELEMENT ospf3-realm-neighbor (ospf3-realm-name | ospf3-neighbor)*>

<!ELEMENT ospf3-route (ospf3-route-entry)*>

<!ELEMENT ospf3-route-entry (address-prefix | route-path-type | route-type |
next-hop-type | interface-cost | ospf-next-hop | ospf-backup-next-hop | ospf-area
| optional-capability | route-origin | route-priority | type7 | pbit |
forward-nz)*>

<!ELEMENT ospf3-route-information (ospf3-route)*>

<!ELEMENT ospf3-router-lsa (bits | ospf3-options | ospf3-link |
ospf3-lsa-topology)*>

<!ELEMENT ospf3-router-lsa-id (#PCDATA)>

<!ELEMENT ospf3-statistics-information (ospf-statistics)*>

<!ELEMENT ospf3-topology-area-backup-neighbor (ospf-area |
ospf3-backup-neighbor-node)*>

<!ELEMENT ospf3-topology-area-backup-spf (ospf-area | ospf3-backup-spf-node)*>

<!ELEMENT ospf3-topology-backup-coverage (ospf3-backup-node-coverage |
ospf3-backup-route-coverage)*>

<!ELEMENT ospf3-topology-backup-neighbor (ospf-topology-name |
ospf3-topology-area-backup-neighbor)*>

<!ELEMENT ospf3-topology-backup-spf (ospf-topology-name |
ospf3-topology-area-backup-spf)*>

<!ELEMENT our-entry EMPTY>

<!ELEMENT outbound-label (#PCDATA)>

<!ELEMENT outbound-timer (#PCDATA)>

<!ELEMENT output-checksum (#PCDATA)>

<!ELEMENT output-messages (#PCDATA)>

<!ELEMENT output-octets (#PCDATA)>

<!ELEMENT output-refreshes (#PCDATA)>

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<!ELEMENT output-updates (#PCDATA)>

<!ELEMENT overbooked-bandwidth (bandwidth-priority | total-reserved-bandwidth)*>

<!ELEMENT overbooked-ct-bandwidth (ct-class | ct-bw0 | ct-bw1 | ct-bw2 | ct-bw3
| ct-bw4 | ct-bw5 | ct-bw6 | ct-bw7)*>

<!ELEMENT overflow-limit (#PCDATA)>

<!ELEMENT overflow-sample-count (#PCDATA)>

<!ELEMENT overhead (#PCDATA)>

<!ELEMENT p2mp-remerge-state (#PCDATA)>

<!ELEMENT packet-information (previous-hop | next-hop | interface-name | count)*>
<!-- packet-information heading CDATA #IMPLIED -->

<!ELEMENT packet-statistics (ospf-packet-type | packets-sent | packets-received
| packets-sent-5seconds | packets-received-5seconds)*>

<!ELEMENT packet-version (#PCDATA)>

<!ELEMENT packets-dropped (#PCDATA)>

<!ELEMENT packets-processed (#PCDATA)>

<!ELEMENT packets-read (#PCDATA)>

<!ELEMENT packets-received (#PCDATA)>

<!ELEMENT packets-received-5seconds (#PCDATA)>

<!ELEMENT packets-retransmitted (#PCDATA)>

<!ELEMENT packets-sent (#PCDATA)>

<!ELEMENT packets-sent-5seconds (#PCDATA)>

<!ELEMENT passive (#PCDATA)>

<!ELEMENT path-active EMPTY>

<!ELEMENT path-adaptive EMPTY>

<!ELEMENT path-available-bandwidth (bandwidth | class-type | class-bandwidth)*>
<!-- path-available-bandwidth heading CDATA #IMPLIED -->

<!ELEMENT path-count (#PCDATA)>

<!ELEMENT path-flags (#PCDATA)>

<!ELEMENT path-history (sequence-number | time | log | route)*>

<!ELEMENT path-id (#PCDATA)>

<!ELEMENT path-mtu (#PCDATA)>

<!ELEMENT path-mtu-in-kerne1 (#PCDATA)>
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<!ELEMENT path-no-recordroute EMPTY>

<!ELEMENT path-references (#PCDATA)>

<!ELEMENT path-soft-preemption-pending EMPTY>

<!ELEMENT path-standby EMPTY>

<!ELEMENT path-state (#PCDATA)>

<!ELEMENT path-state-address (#PCDATA)>

<!ELEMENT path-state-bypass-id (#PCDATA)>

<!ELEMENT path-state-id (#PCDATA)>

<!ELEMENT path-state-interface-id (#PCDATA)>

<!ELEMENT path-state-nh-avoid-address (#PCDATA)>

<!ELEMENT path-state-nh-ero (#PCDATA)>

<!ELEMENT path-state-nh-msg-id (#PCDATA)>

<!ELEMENT path-state-nh-outgoing-interface (#PCDATA)>

<!ELEMENT path-state-nh-peer-address (#PCDATA)>

<!ELEMENT path-state-nh-te-link-id (#PCDATA)>

<!ELEMENT path-state-nh-type (#PCDATA)>

<!ELEMENT path-state-nh-upstream-tag (#PCDATA)>

<!ELEMENT path-state-p2mp-remerge-head (#PCDATA)>

<!ELEMENT path-state-resv-msg-id (#PCDATA)>

<!ELEMENT path-state-rr-epoch (#PCDATA)>

<!ELEMENT path-state-self-id (#PCDATA)>

<!ELEMENT path-state-session-id (#PCDATA)>

<!ELEMENT path-state-tag (#PCDATA)>

<!ELEMENT path-type (#PCDATA)>

<!ELEMENT pbit EMPTY>

<!ELEMENT pdu-length (#PCDATA)>

<!ELEMENT pdu-lifetime (#PCDATA)>

<!ELEMENT pdu-version (#PCDATA)>

<!ELEMENT pe-address-local (#PCDATA)>

<!ELEMENT peer-4byte-as-capability-advertised (#PCDATA)>

<!ELEMENT peer-4byte-as-capability-not-supported EMPTY>
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<!ELEMENT peer-addpath-not-supported EMPTY>

<!ELEMENT peer-addpath-only-nlri (#PCDATA)>

<!ELEMENT peer-addpath-rs-nlri (#PCDATA)>

<!ELEMENT peer-addpath-sonly-nlri (#PCDATA)>

<!ELEMENT peer-address (#PCDATA)>

<!ELEMENT peer-as (#PCDATA)>

<!ELEMENT peer-count (#PCDATA)>

<!ELEMENT peer-end-of-rib-received (#PCDATA)>

<!ELEMENT peer-end-of-rib-scheduled (#PCDATA)>

<!ELEMENT peer-end-of-rib-sent (#PCDATA)>

<!ELEMENT peer-flags (#PCDATA)>

<!ELEMENT peer-id (#PCDATA)>

<!ELEMENT peer-index (#PCDATA)>

<!ELEMENT peer-no-helper EMPTY>

<!ELEMENT peer-no-refresh EMPTY>

<!ELEMENT peer-no-restart EMPTY>

<!ELEMENT peer-refresh-capability (#PCDATA)>

<!ELEMENT peer-restart-flags-received (#PCDATA)>

<!ELEMENT peer-restart-nlri-can-save-state (#PCDATA)>

<!ELEMENT peer-restart-nlri-configured (#PCDATA)>

<!ELEMENT peer-restart-nlri-negotiated (#PCDATA)>

<!ELEMENT peer-restart-nlri-received (#PCDATA)>

<!ELEMENT peer-restart-nlri-state-saved (#PCDATA)>

<!ELEMENT peer-restart-time-configured (#PCDATA)>

<!ELEMENT peer-restart-time-received (#PCDATA)>

<!ELEMENT peer-stale-route-time-configured (#PCDATA)>

<!ELEMENT peer-state (#PCDATA)>

<!ELEMENT peer-type (#PCDATA)>

<!ELEMENT pending-prefix-count (#PCDATA)>

<!ELEMENT per-class-bandwidth-heading (#PCDATA)>
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<!ELEMENT pfe-id (#PCDATA)>

<!ELEMENT pfe-port-snpa (pfe-id | port-id)*>

<!ELEMENT pim-anycast-register-state-origin (#PCDATA)>

<!ELEMENT pim-bootstrap-information (pim-instance | bootstrap-family)*>

<!ELEMENT pim-data-mdt-cgroup-address (#PCDATA)>

<!ELEMENT pim-data-mdt-csource-address (#PCDATA)>

<!ELEMENT pim-data-mdt-join-information (pim-data-mdt-csource-address |
pim-data-mdt-cgroup-address | pim-data-mdt-psource-address |
pim-data-mdt-pgroup-address | pim-data-mdt-timeout)*>

<!ELEMENT pim-data-mdt-pgroup-address (#PCDATA)>

<!ELEMENT pim-data-mdt-psource-address (#PCDATA)>

<!ELEMENT pim-data-mdt-timeout (#PCDATA)>

<!ELEMENT pim-group-flags (sparse | dense | delete | rptree | wildcard | spt)*>

<!ELEMENT pim-instance (#PCDATA)>

<!ELEMENT pim-interface (pim-interface-name | status | pim-interface-mode |
ip-protocol-version | protocol-version | interface-state | neighbor-count |
interface-join-sg-count | interface-join-tsg-count | designated-router-address |
pim-neighbor)*>

<!ELEMENT pim-interface-mode (#PCDATA)>

<!ELEMENT pim-interface-name (#PCDATA)>

<!ELEMENT pim-interface-state (#PCDATA)>

<!ELEMENT pim-interfaces-information (pim-instance | pim-interface)*>

<!ELEMENT pim-join-information (join-family)*>

<!ELEMENT pim-mdt-information (pim-instance | mdt-default-group-address |
mdt-default-source-address | mdt-default-interface-name | mdt-default-tunnel-source
| mdt-tunnel-direction | mdt-tunnel-mode | mdt-pim-instance |
mdt-default-tunnel-information | mdt-active-tunnel)*>
<!--LIST pim-mdt-information junos:style CDATA #IMPLIED-->

<!ELEMENT pim-mvpn-address (#PCDATA)>

<!ELEMENT pim-mvpn-information (pim-mvpn-instance-name | pim-mvpn-address |
pim-mvpn-mode | pim-mvpn-tunnel)*>

<!ELEMENT pim-mvpn-instance-name (#PCDATA)>

<!ELEMENT pim-mvpn-mode (#PCDATA)>

<!ELEMENT pim-mvpn-tunnel (#PCDATA)>

<!ELEMENT pim-neighbor (pim-interface-name | ip-protocol-version | protocol-version
| pim-interface-mode | neighbor-join-sg-count | neighbor-join-tsg-count |
pim-neighbor-flags | pim-neighbor-uptime | pim-neighbor-address |

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pim-neighbor-secondary-address | hello-holdtime | hello-holdtime-remaining |
hello-default-holdtime | hello-default-holdtime-remaining | hello-dr-priority |
hello-generation-id | hello-lanprune-delay | hello-override-interval |
hello-nbr-t-bit | pim-neighbor-bfd | pim-neighbor-join | pim-neighbor-assert)*>

<!ELEMENT pim-neighbor-address (#PCDATA)>

<!ELEMENT pim-neighbor-assert (multicast-group-address | multicast-source-address
| assert-state | pim-neighbor-address | assert-timeout)*>

<!ELEMENT pim-neighbor-bfd (configuration-state | operational-state)*>

<!ELEMENT pim-neighbor-bidirectional-flag EMPTY>

<!ELEMENT pim-neighbor-flags (pim-neighbor-hold-time-flag |
pim-neighbor-priority-flag | pim-neighbor-lan-prune-flag |
pim-neighbor-generation-id-flag | pim-neighbor-bidirectional-flag |
pim-neighbor-t-bit-flag)*>

<!ELEMENT pim-neighbor-generation-id-flag EMPTY>

<!ELEMENT pim-neighbor-hold-time-flag EMPTY>

<!ELEMENT pim-neighbor-join (multicast-group-address | multicast-source-address
| join-timeout)*>

<!ELEMENT pim-neighbor-lan-prune-flag EMPTY>

<!ELEMENT pim-neighbor-priority-flag EMPTY>

<!ELEMENT pim-neighbor-secondary-address (#PCDATA)>

<!ELEMENT pim-neighbor-t-bit-flag EMPTY>

<!ELEMENT pim-neighbor-uptime (#PCDATA)>
<!--ATTLIST pim-neighbor-uptime junos:seconds CDATA #IMPLIED-->

<!ELEMENT pim-neighbors-information (pim-instance | pim-interface)*>
<!--ATTLIST pim-neighbors-information junos:style CDATA #IMPLIED-->

<!ELEMENT pim-other-statistic (statistic-name | statistic-count)*>

<!ELEMENT pim-pseudo-downstream-interface-name (#PCDATA)>

<!ELEMENT pim-register-state (#PCDATA)>

<!ELEMENT pim-register-timeout (#PCDATA)>

<!ELEMENT pim-rps-information (pim-instance | rp-family |
rendezvous-point-address-info)*>

<!ELEMENT pim-source (multicast-source-address | route-prefix |
upstream-interface-name | upstream-neighbor | upstream-group)*>

<!ELEMENT pim-source-information (source-family)*>

<!ELEMENT pim-statistic (statistic-name | received-count | sent-count |
error-count)*>

<!ELEMENT pim-statistics-all (pim-instance | pim-statistics-global |
pim-statistics-other)*>
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<!ELEMENT pim-statistics-global (pim-statistic)*>

<!ELEMENT pim-statistics-information (statistics-family | pim-statistics-all |
everything)*>

<!ELEMENT pim-statistics-interface (pim-interface-name | pim-statistic)*>

<!ELEMENT pim-statistics-other (pim-other-statistic)*>

<!ELEMENT pmsi (#PCDATA)>

<!ELEMENT policy-name (#PCDATA)>

<!ELEMENT poll-interval (#PCDATA)>

<!ELEMENT port-id (#PCDATA)>

<!ELEMENT preemption-count (#PCDATA)>

<!ELEMENT preemption-type (#PCDATA)>

<!ELEMENT preference (#PCDATA)>

<!ELEMENT preference2 (#PCDATA)>

<!ELEMENT prefix (#PCDATA)>

<!ELEMENT prefix-count (#PCDATA)>

<!ELEMENT prefix-downflag EMPTY>

<!ELEMENT prefix-element (address-prefix | prefix-metric |
external-prefix-metric)*>

<!ELEMENT prefix-err-message EMPTY>

<!ELEMENT prefix-extern EMPTY>

<!ELEMENT prefix-flag (#PCDATA)>

<!ELEMENT prefix-length (#PCDATA)>

<!ELEMENT prefix-limit (nlri-type | prefix-count | limit-action |
warning-percentage)*>

<!ELEMENT prefix-metric (#PCDATA)>

<!ELEMENT prefix-orf (#PCDATA)>

<!ELEMENT prefix-reachability (address-prefix | route-type | metric | flags |
level | isis-fragment | tsi | isis-topology-id | isis-prefix-tag)*>

<!ELEMENT prefix-status (#PCDATA)>

<!ELEMENT previous-hop (#PCDATA)>

<!ELEMENT primary (#PCDATA)>

<!ELEMENT primary-context-count (#PCDATA)>
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<!ELEMENT profile-name (#PCDATA)>
<!ELEMENT profile-varset-name (#PCDATA)>
<!ELEMENT protect-flag (#PCDATA)>
<!ELEMENT protected-l2ckt-egress (#PCDATA)>
<!ELEMENT protected-l2ckt-ingress (#PCDATA)>
<!ELEMENT protected-l2ckt-state (#PCDATA)>
<!ELEMENT protected-l2ckt-vcid (#PCDATA)>
<!ELEMENT protection-context (#PCDATA)>
<!ELEMENT protection-type (#PCDATA)>
<!ELEMENT protector-context-count (#PCDATA)>
<!ELEMENT protector-interface (#PCDATA)>
<!ELEMENT protector-pe (#PCDATA)>
<!ELEMENT protector-pe-status (#PCDATA)>
<!ELEMENT protector-state (#PCDATA)>
<!ELEMENT proto-id (#PCDATA)>
<!ELEMENT protocol (#PCDATA)>
<!ELEMENT protocol-name (#PCDATA)>
<!ELEMENT protocol-nh (to | metric | indirect-nh | composite-nh | vpnlabel-nh |
mpls-label | balance | flags | forwarding-nh-count | nh-type | ext-int-type |
nh)*>
<!ELEMENT protocol-route-count (#PCDATA)>
<!ELEMENT protocol-version (#PCDATA)>
<!ELEMENT protocols (protocol-name | protocol-route-count | active-route-count)*>
<!ELEMENT protocols-tlv (protocol)*>
<!ELEMENT provider-tunnel (provider-tunnel-id)*>
<!ELEMENT provider-tunnel-id (#PCDATA)>
<!ELEMENT proxy-state (#PCDATA)>
<!ELEMENT proxy-upstream-interface (interface-name)*>
<!ELEMENT prune-to-rp EMPTY>
<!ELEMENT prune-to-source EMPTY>
<!ELEMENT pruned-timeout (#PCDATA)>
<!ELEMENT psb-creation-time (#PCDATA)>
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<!ELEMENT psb-id (#PCDATA)>

<!ELEMENT psb-lifetime (#PCDATA)>

<!ELEMENT purges-initiated (#PCDATA)>

<!ELEMENT pw-status-code (#PCDATA)>

<!ELEMENT pw-status-tlv (#PCDATA)>

<!ELEMENT querier-address (#PCDATA)>

<!ELEMENT querier-timeout (#PCDATA)>

<!ELEMENT query-interval (#PCDATA)>

<!ELEMENT query-other-timeout (#PCDATA)>

<!ELEMENT query-response-interval (#PCDATA)>

<!ELEMENT queue-count (#PCDATA)>

<!ELEMENT queue-number (#PCDATA)>

<!ELEMENT range (#PCDATA)>

<!ELEMENT reachability-delay EMPTY>

<!ELEMENT reachability-error EMPTY>

<!ELEMENT reachability-expense EMPTY>

<!ELEMENT reachability-tlv (isis-topology-id | address-prefix | metric |
metric-flag | reachability-delay | reachability-expense | reachability-error |
prefix-status | address | neighbor-prefix | tlv-length |
isis-reachability-subtlv)*>
<!ATTLIST reachability-tlv heading CDATA #IMPLIED>

<!ELEMENT receive-buffer-size (#PCDATA)>

<!ELEMENT receive-count (#PCDATA)>

<!ELEMENT receive-lsp-count (#PCDATA)>

<!ELEMENT receive-mode-ripng (#PCDATA)>

<!ELEMENT receive-mode-ripv2 (#PCDATA)>

<!ELEMENT received-count (#PCDATA)>

<!ELEMENT received-prefix-count (#PCDATA)>

<!ELEMENT received-rro (#PCDATA)>

<!ELEMENT receiver (#PCDATA)>

<!ELEMENT record-route (address | telink-id | self | incomplete)*>
<!ATTLIST record-route heading CDATA #IMPLIED>

<!ELEMENT record-timeout (#PCDATA)>

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<!ELEMENT record-type (#PCDATA)>

<!ELEMENT recovery-label-in (#PCDATA)>

<!ELEMENT recovery-label-out (#PCDATA)>

<!ELEMENT recovery-time (#PCDATA)>

<!ELEMENT redundant-sources (multicast-source-address)*>

<!ELEMENT reference-count (#PCDATA)>

<!ELEMENT reference-lsa-id (#PCDATA)>

<!ELEMENT reference-lsa-router-id (#PCDATA)>

<!ELEMENT reference-lsa-type (#PCDATA)>

<!ELEMENT reference-site (vpls-signaling-protocol-identifier | local-site-id |
vpls-id | l2vpn-id | local-id | num-local-interfaces | num-local-interfaces-up |
  irb-present | mesh-group-count | mesh-group-up-count | remote-site-id |
  mesh-group-interfaces | interface | label-block | connection |
  mesh-group-connection | automatic-site-name | automatic-site-id-status |
  automatic-site-claim-id | automatic-site-collisions | automatic-site-timer-status
  | automatic-site-timers | connections-summary)*>

<!ELEMENT references (#PCDATA)>

<!ELEMENT refresh-timer (#PCDATA)>

<!ELEMENT register-interface-name (#PCDATA)>

<!ELEMENT register-rp (#PCDATA)>

<!ELEMENT rejected-downstream-interface-names (#PCDATA)>

<!ELEMENT rem_arp_add_no_l2domain (#PCDATA)>

<!ELEMENT rem_arp_del_no_l2domain (#PCDATA)>

<!ELEMENT rem_arp_del_no_mac_ip (#PCDATA)>

<!ELEMENT rem_arp_del_no_tsi (#PCDATA)>

<!ELEMENT rem_arp_grat_timer_started (#PCDATA)>

<!ELEMENT rem_arp_grat_timer_stopped (#PCDATA)>

<!ELEMENT rem_arp_no_mac_ip (#PCDATA)>

<!ELEMENT remaining-lifetime (#PCDATA)>

<!ELEMENT remote-address (#PCDATA)>

<!ELEMENT remote-ifindex (#PCDATA)>

<!ELEMENT remote-interface (interface-name | interface-status |
interface-encapsulation)*>

<!ELEMENT remote-pe (#PCDATA)>
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<!ELEMENT remote-pw-status-code (#PCDATA)>

<!ELEMENT remote-site-id (#PCDATA)>

<!ELEMENT rendezvous-point (rendezvous-point-address | rp-flag-static |
rp-flag-atorp | rp-flag-bootstrap | rp-flag-embedded-rp |
rendezvous-point-from-address | rendezvous-point-holdtime |
rendezvous-point-refcount | rendezvous-point-time-active |
rendezvous-point-holdtime-remaining | rp-interface-device-index |
rp-interface-device-subunit | pim-interface-name | rendezvous-point-timeout |
rendezvous-point-active-groups | rendezvous-point-group-prefixes |
rendezvous-point-active-group-prefixes | rendezvous-point-register-state |
rendezvous-point-anycast-pim-rpset | rendezvous-point-anycast-pim-local-address
| rendezvous-point-anycast-register-state)*>
<!ATTLIST rendezvous-point junos:style CDATA #IMPLIED>

<!ELEMENT rendezvous-point-active-group-prefix (multicast-group-address)*>

<!ELEMENT rendezvous-point-active-group-prefixes
(rendezvous-point-active-group-prefix | rendezvous-point-active-groups)*>

<!ELEMENT rendezvous-point-active-groups (#PCDATA)>

<!ELEMENT rendezvous-point-address (#PCDATA)>

<!ELEMENT rendezvous-point-address-info (pim-instance | rendezvous-point-trees |
rendezvous-point-address | rendezvous-point-embedded-rp-address |
rendezvous-point-no-address)*>

<!ELEMENT rendezvous-point-addresses (rendezvous-point-address |
rendezvous-point-hash)*>

<!ELEMENT rendezvous-point-anycast-pim-local-address (#PCDATA)>

<!ELEMENT rendezvous-point-anycast-pim-rpset (multicast-group-address)*>

<!ELEMENT rendezvous-point-anycast-register-state (multicast-group-address |
multicast-source-address | pim-anycast-register-state-origin)*>

<!ELEMENT rendezvous-point-embedded-rp-address EMPTY>

<!ELEMENT rendezvous-point-from-address (#PCDATA)>

<!ELEMENT rendezvous-point-group-prefixes (multicast-group-prefix |
rp-group-timeout | rp-group-state)*>

<!ELEMENT rendezvous-point-hash (#PCDATA)>

<!ELEMENT rendezvous-point-holdtime (#PCDATA)>

<!ELEMENT rendezvous-point-holdtime-remaining (#PCDATA)>

<!ELEMENT rendezvous-point-no-address (#PCDATA)>

<!ELEMENT rendezvous-point-refcount (#PCDATA)>

<!ELEMENT rendezvous-point-register-state (multicast-group-address |
multicast-source-address | first-hop-address | rendezvous-point-address |
pim-register-state | pim-register-timeout)*>

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<!ELEMENT rendezvous-point-time-active (#PCDATA)>
<!ATTLIST rendezvous-point-time-active junos:seconds CDATA #IMPLIED>

<!ELEMENT rendezvous-point-timeout (#PCDATA)>

<!ELEMENT rendezvous-point-trees (multicast-group-prefix |
rendezvous-point-addresses)*>

<!ELEMENT replication-block-id (#PCDATA)>

<!ELEMENT replication-block-snpa (replication-block-id)*>

<!ELEMENT replication-entry-in-use (#PCDATA)>

<!ELEMENT replication-neighbor-address (#PCDATA)>

<!ELEMENT replication-neighbor-up-count (#PCDATA)>

<!ELEMENT replication-route-snpa (network-element-id)*>

<!ELEMENT replication-state (#PCDATA)>

<!ELEMENT request-tgt-receive-count (#PCDATA)>

<!ELEMENT request-wild-receive-count (#PCDATA)>

<!ELEMENT reserved-bandwidth (bandwidth-priority | total-reserved-bandwidth)*>

<!ELEMENT reserved-ct-bandwidth (ct-class | ct-bw0 | ct-bw1 | ct-bw2 | ct-bw3 |
ct-bw4 | ct-bw5 | ct-bw6 | ct-bw7)*>

<!ELEMENT restart-state (#PCDATA)>

<!ELEMENT restart-status (#PCDATA)>

<!ELEMENT restart-time (#PCDATA)>

<!ELEMENT resv-state-interface-id (#PCDATA)>

<!ELEMENT resv-state-self-id (#PCDATA)>

<!ELEMENT resv-state-session-id (#PCDATA)>

<!ELEMENT resv-style (#PCDATA)>

<!ELEMENT retransmit-interval (#PCDATA)>

<!ELEMENT retry-limit (#PCDATA)>

<!ELEMENT retry-timer (#PCDATA)>

<!ELEMENT reuse-preference (#PCDATA)>

<!ELEMENT reuse-time (#PCDATA)>
<!ATTLIST reuse-time junos:seconds CDATA #IMPLIED>

<!ELEMENT reverse-oif (oif-name | host-count)*>

<!ELEMENT revert-timer (#PCDATA)>

<!ELEMENT revert-timer-remain (#PCDATA)>
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<!ELEMENT rib-bit (#PCDATA)>

<!ELEMENT rip-bad-messages (#PCDATA)>

<!ELEMENT rip-current-memory (#PCDATA)>

<!ELEMENT rip-error (rip-error-message)*>

<!ELEMENT rip-error-message (#PCDATA)>

<!ELEMENT rip-general-statistics (rip-protocol-name | rip-bad-messages |
rip-interface-count | rip-current-memory | rip-maximum-memory)*>

<!ELEMENT rip-general-statistics-information (rip-general-statistics)*>

<!ELEMENT rip-global-statistics (rip-routes-learned | rip-routes-holddown |
rip-requests-dropped | rip-responses-dropped)*>

<!ELEMENT rip-holddown (#PCDATA)>

<!ELEMENT rip-instance-name (#PCDATA)>

<!ELEMENT rip-instance-neighbor (rip-instance-name | rip-neighbor)*>

<!ELEMENT rip-instance-statistics (rip-instance-name | rip-timer-values |
rip-restart-values | rip-global-statistics | rip-neighbor-statistics)*>

<!ELEMENT rip-interface-count (#PCDATA)>

<!ELEMENT rip-local-address-ipv4 (#PCDATA)>

<!ELEMENT rip-local-address-ipv6 (#PCDATA)>

<!ELEMENT rip-maximum-memory (#PCDATA)>

<!ELEMENT rip-message (#PCDATA)>

<!ELEMENT rip-message-last-5minutes (#PCDATA)>

<!ELEMENT rip-message-last-minute (#PCDATA)>

<!ELEMENT rip-message-statistics (rip-message | rip-message-total |
rip-message-last-5minutes | rip-message-last-minute)*>

<!ELEMENT rip-message-total (#PCDATA)>

<!ELEMENT rip-neighbor (rip-neighbor-name | rip-neighbor-state |
rip-neighbor-metric-in | rip-local-address-ipv4 | rip-remote-address-ipv4 |
send-mode-ripv2 | receive-mode-ripv2 | rip-local-address-ipv6 |
rip-remote-address-ipv6 | send-mode-ripng | receive-mode-ripng)*>
<ATTLIST rip-neighbor junos:style CDATA #IMPLIED>

<!ELEMENT rip-neighbor-advertised-routes (#PCDATA)>

<!ELEMENT rip-neighbor-information (rip-neighbor)*>

<!ELEMENT rip-neighbor-information-all (rip-instance-neighbor)*>

<!ELEMENT rip-neighbor-learnt-routes (#PCDATA)>

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<!ELEMENT rip-neighbor-metric-in (#PCDATA)>

<!ELEMENT rip-neighbor-name (#PCDATA)>

<!ELEMENT rip-neighbor-route-timeout (#PCDATA)>

<!ELEMENT rip-neighbor-state (#PCDATA)>

<!ELEMENT rip-neighbor-statistics (rip-neighbor-name | rip-neighbor-learned-routes
| rip-neighbor-advertised-routes | rip-neighbor-route-timeout |
rip-neighbor-update-interval | rip-message-statistics)*>

<!ELEMENT rip-neighbor-update-interval (#PCDATA)>

<!ELEMENT rip-port (#PCDATA)>

<!ELEMENT rip-protocol-name (#PCDATA)>

<!ELEMENT rip-remote-address-ipv4 (#PCDATA)>

<!ELEMENT rip-remote-address-ipv6 (#PCDATA)>

<!ELEMENT rip-requests-dropped (#PCDATA)>

<!ELEMENT rip-responses-dropped (#PCDATA)>

<!ELEMENT rip-restart-state (#PCDATA)>

<!ELEMENT rip-restart-time (#PCDATA)>

<!ELEMENT rip-restart-timeout (#PCDATA)>

<!ELEMENT rip-restart-values (rip-restart-state | rip-restart-time |
rip-restart-timeout)*>

<!ELEMENT rip-routes-holddown (#PCDATA)>

<!ELEMENT rip-routes-learned (#PCDATA)>

<!ELEMENT rip-statistics-information (rip-timer-values | rip-restart-values |
rip-global-statistics | rip-neighbor-statistics)*>

<!ELEMENT rip-statistics-information-all (rip-instance-statistics)*>

<!ELEMENT rip-timer-values (rip-protocol-name | rip-port | rip-holddown)*>

<!ELEMENT robustness-count (#PCDATA)>

<!ELEMENT route (#PCDATA)>

<!ELEMENT route-control-word (#PCDATA)>

<!ELEMENT route-count (#PCDATA)>

<!ELEMENT route-distinguisher (#PCDATA)>

<!ELEMENT route-family (bulking-indicator | address-family | multicast-route)*>

<!ELEMENT route-filter (address | flags | extended-information)*>

<!ELEMENT route-flap-count (#PCDATA)>
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<!ELEMENT route-flap-damping (merit | last-merit | damping-parameters |
default-damping-parameters | last-update | first-update | route-flap-count |
suppressed | reuse-time | reuse-preference | expire-time)*>

<!ELEMENT route-information (as-number | router-id | maximum-ecmp |
note-network-services-mode | route-table | rt-martians | rt-ribgroup |
rt-test-policy-prefix | rt-test-policy)*>

<!ELEMENT route-label (#PCDATA)>

<!ELEMENT route-origin (#PCDATA)>

<!ELEMENT route-path-type (#PCDATA)>

<!ELEMENT route-prefix (#PCDATA)>

<!ELEMENT route-priority (#PCDATA)>

<!ELEMENT route-queue (timer | state | element)*>

<!ELEMENT route-queue-count (#PCDATA)>

<!ELEMENT route-reflector-client EMPTY>

<!ELEMENT route-resolution-information (route-resolution-tree)*>

<!ELEMENT route-resolution-tree (tree-index | nodes | tree-reference-count |
tree-contributing-ribs | tree-policy | node)*>

<!ELEMENT route-summary-information (as-number | router-id | maximum-ecmp |
note-network-services-mode | route-table)*>

<!ELEMENT route-table (protocols | table-name | destination-count |
total-route-count | active-route-count | holddown-route-count | hidden-route-count
| restart-state | rt)*>

<!ELEMENT route-type (#PCDATA)>

<!ELEMENT route-version (#PCDATA)>

<!ELEMENT router-id (#PCDATA)>

<!ELEMENT router-id-tlv (router-id)*>

<!ELEMENT router-priority (#PCDATA)>

<!ELEMENT rp-family (address-family | rendezvous-point)*>

<!ELEMENT rp-flag-autorp EMPTY>

<!ELEMENT rp-flag-bootstrap EMPTY>

<!ELEMENT rp-flag-embedded-rp EMPTY>

<!ELEMENT rp-flag-static EMPTY>

<!ELEMENT rp-group-state (#PCDATA)>

<!ELEMENT rp-group-timeout (#PCDATA)>

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<!ELEMENT rp-interface-device-index (#PCDATA)>

<!ELEMENT rp-interface-device-subunit (#PCDATA)>

<!ELEMENT rpd-time (#PCDATA)>

<!ELEMENT rpf-check-disabled EMPTY>

<!ELEMENT rpf-family (address-family | rpf-table-name | rpf-table-entry-count |
rpf-route)*>

<!ELEMENT rpf-route (prefix | rpf-route-inactive | rpf-route-protocol |
interface-name | rpf-route-neighbor)*>

<!ELEMENT rpf-route-inactive EMPTY>

<!ELEMENT rpf-route-neighbor (#PCDATA)>

<!ELEMENT rpf-route-protocol (#PCDATA)>

<!ELEMENT rpf-table-entry-count (#PCDATA)>

<!ELEMENT rpf-table-name (#PCDATA)>

<!ELEMENT rptree EMPTY>

<!ELEMENT rsb-count (#PCDATA)>

<!ELEMENT rsvp-bypass-repl (bypass-repl-interface-id | bypass-repl-to-addr |
bypass-repl-avoid-addr | bypass-repl-lp-num | bypass-repl-id |
bypass-repl-resolve-status | bypass-repl-psb-id | bypass-repl-state |
bypass-repl-manual-bypass-name)*>
<!ATTLIST rsvp-bypass-repl junos:style CDATA #IMPLIED>

<!ELEMENT rsvp-bypass-repl-information (rsvp-bypass-repl)*>

<!ELEMENT rsvp-error (error-message | error-count | error-count-5seconds)*>

<!ELEMENT rsvp-graceful-restart (restart-status | helper-status |
maximum-helper-restart-time | maximum-helper-recovery-time | restart-time |
recovery-time)*>

<!ELEMENT rsvp-interface (interface-name | rsvp-status | active-control-channel
| control-channel-unusable | index | authentication-flag | aggregate-flag |
ack-flag | protect-flag | hello-interval | forward-rsvp | interface-address |
loopback-address | rsvp-telink | message-statistics | bypass-info | cos-info)*>
<!ATTLIST rsvp-interface junos:style CDATA #IMPLIED>

<!ELEMENT rsvp-interface-information (active-count | rsvp-interface)*>

<!ELEMENT rsvp-interface-replication-information (rsvp-replication-te-link)*>

<!ELEMENT rsvp-lp-backup-lsp-cnt (#PCDATA)>

<!ELEMENT rsvp-lp-backup-route-cnt (#PCDATA)>

<!ELEMENT rsvp-lp-psb-cnt (#PCDATA)>

<!ELEMENT rsvp-message (#PCDATA)>

<!ELEMENT rsvp-neighbor (rsvp-neighbor-address | rsvp-neighbor-interface |
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    rsvp-neighbor-status | rsvp-neighbor-remote | rsvp-neighbor-node | neighbor-idle
    | neighbor-up-count | neighbor-down-count | last-changed-time | hello-interval
    | hellos-sent | hellos-received | messages-received | rsvp-neighbor-remote-instance
    | rsvp-neighbor-local-instance | rsvp-message | rsvp-refresh-reduct-status |
    rsvp-refresh-reduct-remote-status | rsvp-refresh-reduct-ack-status |
    rsvp-graceful-restart)*>
<!ATTLIST rsvp-neighbor heading CDATA #IMPLIED>
<!ATTLIST rsvp-neighbor junos:style CDATA #IMPLIED>

<!ELEMENT rsvp-neighbor-address (#PCDATA)>

<!ELEMENT rsvp-neighbor-count (#PCDATA)>

<!ELEMENT rsvp-neighbor-information (rsvp-neighbor-count | rsvp-neighbor)*>

<!ELEMENT rsvp-neighbor-interface (#PCDATA)>

<!ELEMENT rsvp-neighbor-local-instance (#PCDATA)>

<!ELEMENT rsvp-neighbor-node EMPTY>

<!ELEMENT rsvp-neighbor-remote EMPTY>

<!ELEMENT rsvp-neighbor-remote-instance (#PCDATA)>

<!ELEMENT rsvp-neighbor-replication-information (rsvp-replication-neighbor)*>

<!ELEMENT rsvp-neighbor-status (#PCDATA)>

<!ELEMENT rsvp-nsr-mode (#PCDATA)>

<!ELEMENT rsvp-nsr-state (#PCDATA)>

<!ELEMENT rsvp-path-state-replication-information (rsvp-replication-path-state)*>

<!ELEMENT rsvp-path-status (#PCDATA)>

<!ELEMENT rsvp-refresh-reduct-ack-status (#PCDATA)>

<!ELEMENT rsvp-refresh-reduct-remote-status (#PCDATA)>

<!ELEMENT rsvp-refresh-reduct-status (#PCDATA)>

<!ELEMENT rsvp-replication-neighbor (replication-neighbor-address |
neighbor-interface | neighbor-status | replication-neighbor-up-count |
neighbor-flags | neighbor-replication-sync-status | neighbor-remote-instance |
neighbor-local-instance | rsvp-graceful-restart)*>
<!ATTLIST rsvp-replication-neighbor heading CDATA #IMPLIED>
<!ATTLIST rsvp-replication-neighbor junos:style CDATA #IMPLIED>

<!ELEMENT rsvp-replication-path-state (path-state-address | path-state-interface-id
| path-state-session-id | path-state-id | path-state-self-id | path-state-tag |
path-state-rr-epoch | path-state-p2mp-remerge-head | path-state-resv-msg-id |
path-state-bypass-id | path-state-nh-type | path-state-nh-outgoing-interface |
path-state-nh-upstream-tag | path-state-nh-te-link-id | path-state-nh-peer-address
| path-state-nh-avoid-address | path-state-nh-ero | path-state-nh-msg-id)*>
<!ATTLIST rsvp-replication-path-state heading CDATA #IMPLIED>
<!ATTLIST rsvp-replication-path-state junos:style CDATA #IMPLIED>

<!ELEMENT rsvp-replication-resv-state (resv-state-interface-id |
resv-state-session-id | resv-state-self-id)*>

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<!ATTLIST rsvp-replication-resv-state heading CDATA #IMPLIED>
<!ATTLIST rsvp-replication-resv-state junos:style CDATA #IMPLIED>

<!ELEMENT rsvp-replication-session (destination-address | source-address | label-in
| path-state-id | session-id | name | replication-state)*>
<!ATTLIST rsvp-replication-session heading CDATA #IMPLIED>
<!ATTLIST rsvp-replication-session junos:style CDATA #IMPLIED>

<!ELEMENT rsvp-replication-te-link (te-link-id | te-link-interface-id |
te-link-reference-count)*>
<!ATTLIST rsvp-replication-te-link heading CDATA #IMPLIED>
<!ATTLIST rsvp-replication-te-link junos:style CDATA #IMPLIED>

<!ELEMENT rsvp-restart-flag (#PCDATA)>

<!ELEMENT rsvp-resv-state-replication-information (rsvp-replication-resv-state)*>

<!ELEMENT rsvp-session (destination-address | is-detour | source-address |
lsp-state | lsp-pktbytes | bypass-name | no-statistics | route-count | rsb-count
| resv-style | label-in | label-out | name | mpls-p2mp-lsp-name |
p2mp-remerge-state | lsp-description | lsp-path-type | mpls-lsp-type |
lsp-aggregation | graceful-deletion-triggered | source-tna-address |
destination-tna-address | bidirectional | upstream-label-in | upstream-label-out
| suggested-label-in | suggested-label-out | recovery-label-in |
recovery-label-out | psb-lifetime | psb-creation-time | path-mtu |
path-mtu-in-kernel | sender-tspec | layer2-tspec | adspec | ct-bw |
lsp-diffserv-info | lsp-id | tunnel-id | proto-id | self-id | session-id |
is-fastreroute | is-linkprotection | is-nodeprotection | is-soft-preemption |
rsvp-path-status | rsvp-lp-backup-route-cnt | rsvp-lp-backup-lsp-cnt |
packet-information | explicit-route | record-route | lsp-attribute-flags |
lp-history | rsvp-telink | detour | detour-branch | mpls-lsp)*>
<!ATTLIST rsvp-session junos:style CDATA #IMPLIED>

<!ELEMENT rsvp-session-data (session-type | count | display-count | up-count |
down-count | detours | rsvp-session | mpls-p2mp-lsp)*>

<!ELEMENT rsvp-session-information (rsvp-session-data)*>

<!ELEMENT rsvp-session-replication-information (rsvp-replication-session)*>

<!ELEMENT rsvp-statistics-information (message-statistics | rsvp-error)*>

<!ELEMENT rsvp-status (#PCDATA)>

<!ELEMENT rsvp-telink (telink-name | telink-local-id | telink-state |
active-reservation | subscription | ct-subscription | static-bandwidth |
available-bandwidth | max-available-bandwidth | max-available-description |
static-bc-bandwidth | total-reserved-bandwidth | bc | bc-description | ct-class
| ct-bw0 | ct-bw1 | ct-bw2 | ct-bw3 | ct-bw4 | ct-bw5 | ct-bw6 | ct-bw7 |
high-watermark | preemption-count | soft-preemption-count | soft-preemption-pending
| update-threshold | reserved-bandwidth | reserved-ct-bandwidth | detour-bandwidth
| overbooked-bandwidth | overbooked-ct-bandwidth)*>

<!ELEMENT rsvp-version (rsvp-status | rsvp-restart-flag | refresh-timer |
keep-multiplier | preemption-type | soft-preemption-cleanup-timer |
graceful-deletion-timeout | rsvp-nsr-mode | rsvp-nsr-state |
rsvp-graceful-restart)*>

<!ELEMENT rsvp-version-information (rsvp-version)*>

<!ELEMENT rsv-queue-addr (#PCDATA)>
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<!ELEMENT rsy-queue-instance (#PCDATA)>

<!ELEMENT rsy-queue-more EMPTY>

<!ELEMENT rt (rt-destination | rt-prefix-length | rt-entry-count |
rt-announced-count | rt-state | rt-entry | tsi | communities)*>
<!ATTLIST rt junos:style CDATA #IMPLIED>

<!ELEMENT rt-announced-count (#PCDATA)>

<!ELEMENT rt-destination (#PCDATA)>

<!ELEMENT rt-entry (active-tag | last-active | current-active | protocol-name |
preference | preference2 | route-distinguisher | pmsi | color | rt-isis-level |
color2 | rt-isis-downbit | age | metric | metric2 | med-plus-igp | rt-tag | rt-tag2
| rt-ospf-area | learned-from | peer-as | local-as | rt-entry-state |
inactive-reason | task-name | announce-bits | announce-tasks | bgp-rt-flag |
label-base | label-range | l2vpn-status-vector | l2vpn-mesh-group | vc-label |
mtu | cell-bundle-size | vlan-id | tdm-payload-size | tdm-bitrate | pw-status-code
| connection-bandwidth | cac-bandwidth-failure | context-id | route-control-word
| vpn-label | route-label | bgp-no-label-reason | rtd-flow-dep | as-path |
communities | helper-nhid | helper-refcount | bgp-metric-flags | local-preference
| med | peer-id | cluster-id | path-id | originator | attrset | bgp-group-name
| deleted | route-flap-damping | aggregate | gateway | indirect-nh-count |
composite-nh-count | nh-type | nh-index | nh-address | nh-reference-count |
nh-kernel-id | ext-int-intf-index | nh-flood-overflow | nhh | nh | protocol-nh |
rtrib-primary | rtrib-secondary | backup-pe-group-name | designated-forwarder)*>

<!ELEMENT rt-entry-count (#PCDATA)>

<!ELEMENT rt-entry-state (#PCDATA)>

<!ELEMENT rt-flags (#PCDATA)>

<!ELEMENT rt-isis-downbit (#PCDATA)>

<!ELEMENT rt-isis-level (#PCDATA)>

<!ELEMENT rt-l2domain (#PCDATA)>

<!ELEMENT rt-mac-addr (#PCDATA)>

<!ELEMENT rt-martian-table-name (#PCDATA)>

<!ELEMENT rt-martians (rt-martian-table-name | route-filter)*>

<!ELEMENT rt-ospf-area (#PCDATA)>

<!ELEMENT rt-policy-name (#PCDATA)>

<!ELEMENT rt-policy-term-action (#PCDATA)>

<!ELEMENT rt-policy-term-name (#PCDATA)>

<!ELEMENT rt-policy-term-result (#PCDATA)>

<!ELEMENT rt-prefix-length (#PCDATA)>

<!ELEMENT rt-proto (#PCDATA)>

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<!ELEMENT rt-ribgroup (rt-ribgroup-name | rt-ribgroup-address | rt-ribgroup-flags
| rt-ribgroup-address-family | rt-ribgroup-refcount | rt-ribgroup-export-name |
rt-ribgroup-import-name | rt-ribgroup-import-policy-name |
rt-ribgroup-import-secondary-name | rt-ribgroup-union-head-name |
rt-ribgroup-union-child-name)*>

<!ELEMENT rt-ribgroup-address (#PCDATA)>

<!ELEMENT rt-ribgroup-address-family (#PCDATA)>

<!ELEMENT rt-ribgroup-export-name (#PCDATA)>

<!ELEMENT rt-ribgroup-flags (#PCDATA)>

<!ELEMENT rt-ribgroup-import-name (#PCDATA)>

<!ELEMENT rt-ribgroup-import-policy-name (#PCDATA)>

<!ELEMENT rt-ribgroup-import-secondary-name (#PCDATA)>

<!ELEMENT rt-ribgroup-name (#PCDATA)>

<!ELEMENT rt-ribgroup-refcount (#PCDATA)>

<!ELEMENT rt-ribgroup-union-child-name (#PCDATA)>

<!ELEMENT rt-ribgroup-union-head-name (#PCDATA)>

<!ELEMENT rt-route-accepted (#PCDATA)>

<!ELEMENT rt-route-rejected (#PCDATA)>

<!ELEMENT rt-state (#PCDATA)>

<!ELEMENT rt-tag (#PCDATA)>

<!ELEMENT rt-tag2 (#PCDATA)>

<!ELEMENT rt-test-policy (rt-policy-name | rt-route-accepted | rt-route-rejected)*>

<!ELEMENT rt-test-policy-prefix (rt-policy-name | rt-destination | rt-prefix-length
| rt-test-policy-term)*>

<!ELEMENT rt-test-policy-term (rt-policy-term-name | rt-policy-term-result |
rt-policy-term-action)*>

<!ELEMENT rt-type (#PCDATA)>

<!ELEMENT rt_inst_add (#PCDATA)>

<!ELEMENT rt_inst_del (#PCDATA)>

<!ELEMENT rt_inst_del_ignore (#PCDATA)>

<!ELEMENT rt_inst_no_l3domain_tlv (#PCDATA)>

<!ELEMENT rt_inst_null_l3domain (#PCDATA)>

<!ELEMENT rtarget (#PCDATA)>

<!ELEMENT rtarget-mask (#PCDATA)>
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<!ELEMENT rtarget-recv-mask (#PCDATA)>

<!ELEMENT rtd-flow-dep (flow-origin | flow-dep-state | flow-ucast-rt)*>

<!ELEMENT rte-instance (instance-name | rte-instance-type | instance-flags |
instance-options | import-policy | export-policy)*>
<!ATTLIST rte-instance junos:style CDATA #IMPLIED>

<!ELEMENT rte-instance-type (#PCDATA)>

<!ELEMENT rte-table (table-name | table-export-on | import-list | table-flags |
table-usage)*>
<!ATTLIST rte-table junos:style CDATA #IMPLIED>

<!ELEMENT rte-target (target-string | family | subaf | import-count | export-count
| import-list | export-list)*>
<!ATTLIST rte-target junos:style CDATA #IMPLIED>

<!ELEMENT rtexport-table-information (rte-table | rte-target | rte-instance)*>

<!ELEMENT rtflow-dep-information (rtflow-dep-table)*>

<!ELEMENT rtflow-dep-table (table-name | fdep-node)*>

<!ELEMENT rtnode-flags (#PCDATA)>

<!ELEMENT rtnode-next-as (#PCDATA)>

<!ELEMENT rtnode-origin (#PCDATA)>

<!ELEMENT rtnode-refcount (#PCDATA)>

<!ELEMENT rtnode-state (#PCDATA)>

<!ELEMENT rtrib-primary (#PCDATA)>

<!ELEMENT rtrib-secondary (#PCDATA)>

<!ELEMENT runt-header-error (#PCDATA)>

<!ELEMENT saii (#PCDATA)>

<!ELEMENT sap-listen (sap-listen-group | sap-listen-port)*>

<!ELEMENT sap-listen-group (#PCDATA)>

<!ELEMENT sap-listen-information (sap-listen)*>

<!ELEMENT sap-listen-port (#PCDATA)>

<!ELEMENT scope-name (#PCDATA)>

<!ELEMENT scope-rejects (#PCDATA)>

<!ELEMENT scope-state (#PCDATA)>

<!ELEMENT segments (#PCDATA)>

<!ELEMENT selected-next-hop EMPTY>
```

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<!ELEMENT self EMPTY>

<!ELEMENT self-id (#PCDATA)>

<!ELEMENT send-buffer-size (#PCDATA)>

<!ELEMENT send-count (#PCDATA)>

<!ELEMENT send-mode-ripng (#PCDATA)>

<!ELEMENT send-mode-ripv2 (#PCDATA)>

<!ELEMENT send-state (#PCDATA)>

<!ELEMENT send-time (#PCDATA)>

<!ELEMENT sender-tspec (#PCDATA)>

<!ELEMENT sent-count (#PCDATA)>

<!ELEMENT sequence-number (#PCDATA)>

<!ELEMENT session-address (#PCDATA)>

<!ELEMENT session-announcement (#PCDATA)>

<!ELEMENT session-attribute (#PCDATA)>

<!ELEMENT session-bandwidth (#PCDATA)>

<!ELEMENT session-connection-data (session-address | session-ttl |
session-layers)*>

<!ELEMENT session-description (#PCDATA)>

<!ELEMENT session-email (#PCDATA)>

<!ELEMENT session-encryption-key (#PCDATA)>

<!ELEMENT session-id (#PCDATA)>

<!ELEMENT session-layers (#PCDATA)>

<!ELEMENT session-media (#PCDATA)>

<!ELEMENT session-name (#PCDATA)>

<!ELEMENT session-origin (session-originator-username |
session-originator-address)*>

<!ELEMENT session-originator-address (#PCDATA)>

<!ELEMENT session-originator-username (#PCDATA)>

<!ELEMENT session-phone (#PCDATA)>

<!ELEMENT session-start-time (#PCDATA)>
<ATTLIST session-start-time junos:seconds CDATA #IMPLIED>

<!ELEMENT session-stop-time (#PCDATA)>
<ATTLIST session-stop-time junos:seconds CDATA #IMPLIED>
```

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<!ELEMENT session-ttl (#PCDATA)>

<!ELEMENT session-type (#PCDATA)>

<!ELEMENT session-uri (#PCDATA)>

<!ELEMENT session-version (#PCDATA)>

<!ELEMENT setup-priority (#PCDATA)>

<!ELEMENT sham-link-local (#PCDATA)>

<!ELEMENT sham-link-remote (#PCDATA)>

<!ELEMENT short-packets-error (#PCDATA)>

<!ELEMENT signal-type (#PCDATA)>

<!ELEMENT simulation-mode (#PCDATA)>

<!ELEMENT site-id (#PCDATA)>

<!ELEMENT skip-address (#PCDATA)>

<!ELEMENT smart-optimize-timer (#PCDATA)>

<!ELEMENT snp-queue-drops (#PCDATA)>

<!ELEMENT snp-queue-length (#PCDATA)>

<!ELEMENT snpa (snpa-type | pfe-port-snpa | network-element-port-snpa |
mstp-root-snpa | gateway-snpa | layer2-domain-port-snpa | replication-block-snpa
| replication-route-snpa | layer2-multicast-port-snpa | inh-snpa)*>

<!ELEMENT snpa-count (#PCDATA)>

<!ELEMENT snpa-length (#PCDATA)>

<!ELEMENT snpa-type (#PCDATA)>

<!ELEMENT soft-preemption-cleanup-timer (#PCDATA)>

<!ELEMENT soft-preemption-count (#PCDATA)>

<!ELEMENT soft-preemption-pending (#PCDATA)>

<!ELEMENT source-address (#PCDATA)>

<!ELEMENT source-family (pim-instance | address-family | pim-source)*>

<!ELEMENT source-tna-address (#PCDATA)>

<!ELEMENT sparse EMPTY>

<!ELEMENT sparse-downstream-interface (pim-interface-name | register-rp |
register-interface-name | pim-interface-state |
pim-pseudo-downstream-interface-name | downstream-neighbor |
downstream-assert-neighbor)*>

<!ELEMENT spf-runs (#PCDATA)>

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```
<!ELEMENT spf-trigger-count (#PCDATA)>

<!ELEMENT spt EMPTY>

<!ELEMENT spvc-id (#PCDATA)>

<!ELEMENT spvc-type (#PCDATA)>

<!ELEMENT srlg-address (#PCDATA)>

<!ELEMENT srlg-flag (#PCDATA)>

<!ELEMENT srlg-local-ifindex (#PCDATA)>

<!ELEMENT srlg-name (#PCDATA)>

<!ELEMENT srlg-neighbor-prefix (#PCDATA)>

<!ELEMENT srlg-remote-ifindex (#PCDATA)>

<!ELEMENT srlgtlv-size (#PCDATA)>

<!ELEMENT standby-flood-status (#PCDATA)>

<!ELEMENT start-time (#PCDATA)>
<!ATTLIST start-time junos:seconds CDATA #IMPLIED>

<!ELEMENT state (#PCDATA)>

<!ELEMENT static-bandwidth (#PCDATA)>

<!ELEMENT static-bc-bandwidth (#PCDATA)>

<!ELEMENT static-revert-time (#PCDATA)>

<!ELEMENT statistic-count (#PCDATA)>

<!ELEMENT statistic-name (#PCDATA)>

<!ELEMENT statistics-family (pim-instance | address-family |
pim-statistics-interface)*>

<!ELEMENT status (#PCDATA)>

<!ELEMENT stub-area-mismatch-error (#PCDATA)>

<!ELEMENT subaf (#PCDATA)>

<!ELEMENT subgroup-id (#PCDATA)>

<!ELEMENT subnet-mismatch-error (#PCDATA)>

<!ELEMENT subscription (#PCDATA)>

<!ELEMENT subtlv-length (#PCDATA)>

<!ELEMENT subtlv-size (#PCDATA)>

<!ELEMENT successful (#PCDATA)>
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<!ELEMENT suggested-label-in (#PCDATA)>

<!ELEMENT suggested-label-out (#PCDATA)>

<!ELEMENT suppressed EMPTY>

<!ELEMENT suppressed-external-prefix-count (#PCDATA)>

<!ELEMENT suppressed-internal-prefix-count (#PCDATA)>

<!ELEMENT suppressed-prefix-count (#PCDATA)>

<!ELEMENT switching-capability-descriptor (encoding-type | switching-type |
maximum-lsp-bw0 | maximum-lsp-bw1 | maximum-lsp-bw2 | maximum-lsp-bw3 |
maximum-lsp-bw4 | maximum-lsp-bw5 | maximum-lsp-bw6 | maximum-lsp-bw7 |
minimum-lsp-bw | mtu | tdm-indication)*>
<!--LIST switching-capability-descriptor heading CDATA #IMPLIED-->

<!ELEMENT switching-granularity (#PCDATA)>

<!ELEMENT switching-type (#PCDATA)>

<!ELEMENT sys-error (#PCDATA)>

<!ELEMENT system-id (#PCDATA)>

<!ELEMENT system-id-length (#PCDATA)>

<!ELEMENT system-name (#PCDATA)>

<!ELEMENT table-export-on (#PCDATA)>

<!ELEMENT table-flags (#PCDATA)>

<!ELEMENT table-name (#PCDATA)>

<!ELEMENT table-usage (#PCDATA)>

<!ELEMENT tag (#PCDATA)>

<!ELEMENT taii (#PCDATA)>

<!ELEMENT target-string (#PCDATA)>

<!ELEMENT task (task-name | task-no-information | task-timer)*>

<!ELEMENT task-block (tb-name | tb-size | tb-alloc-size | tb-terse-transient |
tb-terse-fullpage | tb-terse-debug | tb-alloc-blocks | tb-alloc-bytes |
tb-max-alloc-blocks | tb-max-alloc-bytes)*>

<!ELEMENT task-block-list (task-block)*>

<!ELEMENT task-gres-state (#PCDATA)>

<!ELEMENT task-information (task)*>

<!ELEMENT task-lite-page (tlp-name | tlp-alloc-pages | tlp-alloc-bytes |
tlp-max-alloc-pages | tlp-max-alloc-bytes)*>

<!ELEMENT task-lite-page-list (task-lite-page)*>

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<!ELEMENT task-malloc (tm-name | tm-allocs | tm-alloc-bytes | tm-max-allocs |
tm-max-alloc-bytes | tm-function-calls)*>

<!ELEMENT task-malloc-list (task-malloc)*>

<!ELEMENT task-memory-allocator-report (task-block-list | task-lite-page-list |
task-memory-total-bytes | task-memory-total-max-bytes)*>

<!ELEMENT task-memory-bss-bytes (#PCDATA)>

<!ELEMENT task-memory-dir-bytes (#PCDATA)>

<!ELEMENT task-memory-dynamic-allocs (#PCDATA)>

<!ELEMENT task-memory-free-size (#PCDATA)>

<!ELEMENT task-memory-in-use-avail (#PCDATA)>

<!ELEMENT task-memory-in-use-size (#PCDATA)>

<!ELEMENT task-memory-information (task-memory-in-use-size |
task-memory-in-use-avail | task-memory-max-size | task-memory-max-avail |
task-memory-max-when | task-memory-free-size | task-memory-overall-report |
task-memory-allocator-report | task-memory-malloc-usage-report |
task-memory-dynamic-allocs | task-memory-max-dynamic-allocs | task-memory-bss-bytes
| task-memory-max-bss-bytes | task-memory-page-data-bytes |
task-memory-max-page-data-bytes | task-memory-dir-bytes | task-memory-max-dir-bytes
| task-memory-total-bytes-in-use | task-memory-total-bytes-percent)*>
<!-- task-memory-information junos:style CDATA #IMPLIED -->

<!ELEMENT task-memory-malloc-usage-report (task-malloc-list |
task-memory-total-bytes | task-memory-total-max-bytes)*>

<!ELEMENT task-memory-max-avail (#PCDATA)>

<!ELEMENT task-memory-max-bss-bytes (#PCDATA)>

<!ELEMENT task-memory-max-dir-bytes (#PCDATA)>

<!ELEMENT task-memory-max-dynamic-allocs (#PCDATA)>

<!ELEMENT task-memory-max-page-data-bytes (#PCDATA)>

<!ELEMENT task-memory-max-size (#PCDATA)>

<!ELEMENT task-memory-max-when (#PCDATA)>

<!ELEMENT task-memory-overall-report (task-size-block-list | task-memory-stats-list
| task-memory-total-bytes | task-memory-total-max-bytes |
task-memory-total-free-bytes)*>

<!ELEMENT task-memory-page-data-bytes (#PCDATA)>

<!ELEMENT task-memory-stats (tms-name | tms-allocs | tms-mallocs | tms-alloc-bytes
| tms-max-allocs | tms-max-bytes | tms-free-bytes)*>

<!ELEMENT task-memory-stats-list (task-memory-stats)*>

<!-- task-memory-total-bytes (#PCDATA) -->

<!ELEMENT task-memory-total-bytes-in-use (#PCDATA)>
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<!ELEMENT task-memory-total-bytes-percent (#PCDATA)>

<!ELEMENT task-memory-total-free-bytes (#PCDATA)>

<!ELEMENT task-memory-total-max-bytes (#PCDATA)>

<!ELEMENT task-name (#PCDATA)>

<!ELEMENT task-no-information EMPTY>

<!ELEMENT task-protocol-replication-name (#PCDATA)>

<!ELEMENT task-protocol-replication-state (#PCDATA)>

<!ELEMENT task-re-mode (#PCDATA)>

<!ELEMENT task-replication-state (task-gres-state | task-re-mode |
task-protocol-replication-state | task-protocol-replication-name)*>

<!ELEMENT task-size-block (tsb-size | tsb-terse-transient | tsb-terse-fullpage |
tsb-allocs | tsb-mallocs | tsb-alloc-bytes | tsb-max-allocs | tsb-max-bytes |
tsb-free-bytes)*>

<!ELEMENT task-size-block-list (task-size-block)*>

<!ELEMENT task-timer (timer-name | timer-late | timer-expires | timer-jitter |
timer-interval | timer-flags)*>

<!ELEMENT task-timer-information (task)*>

<!ELEMENT tb-alloc-blocks (#PCDATA)>

<!ELEMENT tb-alloc-bytes (#PCDATA)>

<!ELEMENT tb-alloc-size (#PCDATA)>

<!ELEMENT tb-max-alloc-blocks (#PCDATA)>

<!ELEMENT tb-max-alloc-bytes (#PCDATA)>

<!ELEMENT tb-name (#PCDATA)>

<!ELEMENT tb-size (#PCDATA)>

<!ELEMENT tb-terse-debug EMPTY>

<!ELEMENT tb-terse-fullpage EMPTY>

<!ELEMENT tb-terse-transient EMPTY>

<!ELEMENT tdm-bitrate (#PCDATA)>

<!ELEMENT tdm-indication (#PCDATA)>

<!ELEMENT tdm-payload-size (#PCDATA)>

<!ELEMENT te-class (#PCDATA)>

<!ELEMENT te-class-map (te-class | traffic-class | te-prio)*>

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<!ELEMENT te-link-id (#PCDATA)>

<!ELEMENT te-link-interface-id (#PCDATA)>

<!ELEMENT te-link-reference-count (#PCDATA)>

<!ELEMENT te-metric (#PCDATA)>

<!ELEMENT te-prio (#PCDATA)>

<!ELEMENT te-subtlv (tlv-type-name | tlv-type-value | tlv-length | bytes-left |
formatted-tlv-data)*>

<!ELEMENT ted-database (ted-database-id | ted-database-id-overload |
ted-database-type | ted-database-age | ted-database-link-in | ted-database-link-out
| ted-database-protocol | ted-link | ted-database-lcl-addr)*>
<!ATTLIST ted-database junos:style CDATA #IMPLIED>

<!ELEMENT ted-database-age (#PCDATA)>

<!ELEMENT ted-database-id (#PCDATA)>

<!ELEMENT ted-database-id-overload (#PCDATA)>

<!ELEMENT ted-database-inet-count (#PCDATA)>

<!ELEMENT ted-database-information (ted-database-summary | ted-database)*>

<!ELEMENT ted-database-iso-count (#PCDATA)>

<!ELEMENT ted-database-lcl-addr (ted-lcl-addr)*>

<!ELEMENT ted-database-link-in (#PCDATA)>

<!ELEMENT ted-database-link-out (#PCDATA)>

<!ELEMENT ted-database-protocol (#PCDATA)>

<!ELEMENT ted-database-summary (ted-database-iso-count | ted-database-inet-count)*>

<!ELEMENT ted-database-type (#PCDATA)>

<!ELEMENT ted-lcl-addr (#PCDATA)>

<!ELEMENT ted-link (ted-link-from | ted-link-to | ted-link-local-address |
ted-link-remote-address | ted-link-local-ifindex | ted-link-remote-ifindex |
admin-groups | ted-link-extended-admin-group | ted-link-metric | ted-link-link-out
| ted-link-static-bandwidth | ted-link-reservable-bandwidth |
ted-link-forwarding-adjacency | ted-link-local-bw0 | ted-link-local-bw1 |
ted-link-local-bw2 | ted-link-local-bw3 | ted-link-local-bw4 | ted-link-local-bw5
| ted-link-local-bw6 | ted-link-local-bw7 | ted-link-avail-bw0 |
ted-link-avail-bw1 | ted-link-avail-bw2 | ted-link-avail-bw3 | ted-link-avail-bw4
| ted-link-avail-bw5 | ted-link-avail-bw6 | ted-link-avail-bw7 | ted-link-model
| ted-link-ct-bw0 | ted-link-ct-bw1 | ted-link-ct-bw2 | ted-link-ct-bw3 |
ted-link-ct-bw4 | ted-link-ct-bw5 | ted-link-ct-bw6 | ted-link-ct-bw7 |
switching-capability-descriptor | ted-link-srlg |
ted-link-unreserved-bw-tlv-meaning | ted-link-dste-tlv-meaning)*>
<!ATTLIST ted-link junos:style CDATA #IMPLIED>

<!ELEMENT ted-link-avail-bw0 (#PCDATA)>
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<!ELEMENT ted-link-avail-bw1 (#PCDATA)>
<!ELEMENT ted-link-avail-bw2 (#PCDATA)>
<!ELEMENT ted-link-avail-bw3 (#PCDATA)>
<!ELEMENT ted-link-avail-bw4 (#PCDATA)>
<!ELEMENT ted-link-avail-bw5 (#PCDATA)>
<!ELEMENT ted-link-avail-bw6 (#PCDATA)>
<!ELEMENT ted-link-avail-bw7 (#PCDATA)>
<!ELEMENT ted-link-ct-bw0 (#PCDATA)>
<!ELEMENT ted-link-ct-bw1 (#PCDATA)>
<!ELEMENT ted-link-ct-bw2 (#PCDATA)>
<!ELEMENT ted-link-ct-bw3 (#PCDATA)>
<!ELEMENT ted-link-ct-bw4 (#PCDATA)>
<!ELEMENT ted-link-ct-bw5 (#PCDATA)>
<!ELEMENT ted-link-ct-bw6 (#PCDATA)>
<!ELEMENT ted-link-ct-bw7 (#PCDATA)>
<!ELEMENT ted-link-dste-tlv-meaning (#PCDATA)>
<!ELEMENT ted-link-extended-admin-group (admin-group-name)*>
<!ATTLIST ted-link-extended-admin-group heading CDATA #IMPLIED>
<!ELEMENT ted-link-forwarding-adjacency EMPTY>
<!ELEMENT ted-link-from (#PCDATA)>
<!ELEMENT ted-link-information (ted-link)*>
<!ELEMENT ted-link-link-out (#PCDATA)>
<!ELEMENT ted-link-local-address (#PCDATA)>
<!ELEMENT ted-link-local-bw0 (#PCDATA)>
<!ELEMENT ted-link-local-bw1 (#PCDATA)>
<!ELEMENT ted-link-local-bw2 (#PCDATA)>
<!ELEMENT ted-link-local-bw3 (#PCDATA)>
<!ELEMENT ted-link-local-bw4 (#PCDATA)>
<!ELEMENT ted-link-local-bw5 (#PCDATA)>
<!ELEMENT ted-link-local-bw6 (#PCDATA)>
<!ELEMENT ted-link-local-bw7 (#PCDATA)>
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<!ELEMENT ted-link-local-ifindex (#PCDATA)>

<!ELEMENT ted-link-metric (#PCDATA)>

<!ELEMENT ted-link-model (#PCDATA)>

<!ELEMENT ted-link-remote-address (#PCDATA)>

<!ELEMENT ted-link-remote-ifindex (#PCDATA)>

<!ELEMENT ted-link-reservable-bandwidth (#PCDATA)>

<!ELEMENT ted-link-srlg (srlg-name)*>
<!ATTLIST ted-link-srlg heading CDATA #IMPLIED>

<!ELEMENT ted-link-static-bandwidth (#PCDATA)>

<!ELEMENT ted-link-to (#PCDATA)>

<!ELEMENT ted-link-unreserved-bw-tlv-meaning (#PCDATA)>

<!ELEMENT ted-protocol (ted-protocol-name | ted-protocol-credibility |
ted-protocol-self-node)*>

<!ELEMENT ted-protocol-credibility (#PCDATA)>

<!ELEMENT ted-protocol-information (ted-protocol)*>

<!ELEMENT ted-protocol-name (#PCDATA)>

<!ELEMENT ted-protocol-self-node (#PCDATA)>

<!ELEMENT telink-id (#PCDATA)>

<!ELEMENT telink-local-id (#PCDATA)>

<!ELEMENT telink-name (#PCDATA)>

<!ELEMENT telink-state (#PCDATA)>

<!ELEMENT terse-rpt EMPTY>

<!ELEMENT terse-sparse EMPTY>

<!ELEMENT terse-wc EMPTY>

<!ELEMENT time (#PCDATA)>

<!ELEMENT time-to-adjust (#PCDATA)>

<!ELEMENT timer (#PCDATA)>

<!ELEMENT timer-expires (#PCDATA)>

<!ELEMENT timer-flags (#PCDATA)>

<!ELEMENT timer-interval (#PCDATA)>

<!ELEMENT timer-jitter (#PCDATA)>

<!ELEMENT timer-late EMPTY>
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<!ELEMENT timer-name (#PCDATA)>

<!ELEMENT timestamp (#PCDATA)>

<!ELEMENT title (#PCDATA)>

<!ELEMENT tlp-alloc-bytes (#PCDATA)>

<!ELEMENT tlp-alloc-pages (#PCDATA)>

<!ELEMENT tlp-max-alloc-bytes (#PCDATA)>

<!ELEMENT tlp-max-alloc-pages (#PCDATA)>

<!ELEMENT tlp-name (#PCDATA)>

<!ELEMENT tlv-block (tlv-type-name | tlv-type-value | tlv-length | bytes-left |
formatted-tlv-data)*>

<!ELEMENT tlv-grace-type-name (#PCDATA)>

<!ELEMENT tlv-grace-value (#PCDATA)>

<!ELEMENT tlv-length (#PCDATA)>

<!ELEMENT tlv-size (#PCDATA)>

<!ELEMENT tlv-stragglers (bytes-left)*>

<!ELEMENT tlv-type-name (#PCDATA)>

<!ELEMENT tlv-type-value (#PCDATA)>

<!ELEMENT tm-alloc-bytes (#PCDATA)>

<!ELEMENT tm-allocs (#PCDATA)>

<!ELEMENT tm-function-calls (#PCDATA)>

<!ELEMENT tm-max-alloc-bytes (#PCDATA)>

<!ELEMENT tm-max-allocs (#PCDATA)>

<!ELEMENT tm-name (#PCDATA)>

<!ELEMENT tms-alloc-bytes (#PCDATA)>

<!ELEMENT tms-allocs (#PCDATA)>

<!ELEMENT tms-free-bytes (#PCDATA)>

<!ELEMENT tms-mallocs (#PCDATA)>

<!ELEMENT tms-max-allocs (#PCDATA)>

<!ELEMENT tms-max-bytes (#PCDATA)>

<!ELEMENT tms-name (#PCDATA)>

<!ELEMENT to (#PCDATA)>
```

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<!ELEMENT total-bypass (#PCDATA)>
<!ELEMENT total-database-summaries (#PCDATA)>
<!ELEMENT total-external-prefix-count (#PCDATA)>
<!ELEMENT total-internal-prefix-count (#PCDATA)>
<!ELEMENT total-linkstate-request (#PCDATA)>
<!ELEMENT total-paths (#PCDATA)>
<!ELEMENT total-prefix-count (#PCDATA)>
<!ELEMENT total-reserved-bandwidth (#PCDATA)>
<!ELEMENT total-retransmits (#PCDATA)>
<!ELEMENT total-route-count (#PCDATA)>
<!ELEMENT total-time (#PCDATA)>
<!ELEMENT totals-information (packets-received | packets-sent)*>
<!ELEMENT tracing-information (flags | filename | filesize | filelimit)*>
<!ELEMENT track-item (#PCDATA)>
<!ELEMENT traffic-class (#PCDATA)>
<!ELEMENT traffic-stats-interval (#PCDATA)>
<!ELEMENT transition-count (#PCDATA)>
<!ELEMENT transitions (#PCDATA)>
<!ELEMENT transmission-status (transmit-count | message | interface-name |
transmit-time)*>
<!ELEMENT transmit-count (#PCDATA)>
<!ELEMENT transmit-lsp-count (#PCDATA)>
<!ELEMENT transmit-time (#PCDATA)>
<!ATTLIST transmit-time junos:seconds CDATA #IMPLIED>
<!ELEMENT tree-contributing-ribs (#PCDATA)>
<!ELEMENT tree-index (#PCDATA)>
<!ELEMENT tree-policy (#PCDATA)>
<!ELEMENT tree-reference-count (#PCDATA)>
<!ELEMENT truncated-packets-error (#PCDATA)>
<!ELEMENT trunk-id (#PCDATA)>
<!ELEMENT ts (#PCDATA)>
```



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<!ELEMENT tsb-alloc-bytes (#PCDATA)>
<!ELEMENT tsb-allocs (#PCDATA)>
<!ELEMENT tsb-free-bytes (#PCDATA)>
<!ELEMENT tsb-mallocs (#PCDATA)>
<!ELEMENT tsb-max-allocs (#PCDATA)>
<!ELEMENT tsb-max-bytes (#PCDATA)>
<!ELEMENT tsb-size (#PCDATA)>
<!ELEMENT tsb-terse-fullpage EMPTY>
<!ELEMENT tsb-terse-transient EMPTY>
<!ELEMENT tsi (#PCDATA)>
<!ELEMENT tunnel-destination (#PCDATA)>
<!ELEMENT tunnel-expiry (#PCDATA)>
<!ELEMENT tunnel-id (#PCDATA)>
<!ELEMENT tunnel-local-address (#PCDATA)>
<!ELEMENT tunnel-nexthop (tunnel-nh-type | tunnel-nh-src | via | tunnel-nh-state
| tunnel-nh-reason | tunnel-nh-lsp-name)*>
<!ELEMENT tunnel-nh-lsp-name (#PCDATA)>
<!ELEMENT tunnel-nh-reason (#PCDATA)>
<!ELEMENT tunnel-nh-src (#PCDATA)>
<!ELEMENT tunnel-nh-state (#PCDATA)>
<!ELEMENT tunnel-nh-type (#PCDATA)>
<!ELEMENT tunnel-reference-count (#PCDATA)>
<!ELEMENT tunnel-remote-address (#PCDATA)>
<!ELEMENT tunnel-state (#PCDATA)>
<!ELEMENT tunnel-ttl (#PCDATA)>
<!ELEMENT two-way-lsp-id (#PCDATA)>
<!ELEMENT tx-rate (#PCDATA)>
<!ELEMENT tx-rate-percent (#PCDATA)>
<!ELEMENT type (#PCDATA)>
<!ELEMENT type-value (#PCDATA)>
<!ELEMENT type7 EMPTY>
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<!ELEMENT uflags (#PCDATA)>

<!ELEMENT unconfigured-peer-count (#PCDATA)>

<!ELEMENT unconfigured-peers (route-filter)*>

<!ELEMENT underflow-limit (#PCDATA)>

<!ELEMENT underflow-sample-count (#PCDATA)>

<!ELEMENT unicast-bytes (#PCDATA)>

<!ELEMENT unicast-packets (#PCDATA)>

<!ELEMENT unknown-local-data (#PCDATA)>

<!ELEMENT unknown-tlv (isis-tlv-type | tlv-length)*>

<!ELEMENT up-count (#PCDATA)>

<!ELEMENT up-transitions (#PCDATA)>

<!ELEMENT update-send-count (#PCDATA)>

<!ELEMENT update-threshold (#PCDATA)>

<!ELEMENT upstream-group (multicast-group-address)*>

<!ELEMENT upstream-interface-name (#PCDATA)>

<!ELEMENT upstream-label-in (#PCDATA)>

<!ELEMENT upstream-label-out (#PCDATA)>

<!ELEMENT upstream-neighbor (#PCDATA)>

<!ELEMENT upstream-neighbor-rpf-origin (#PCDATA)>

<!ELEMENT upstream-protocol (#PCDATA)>

<!ELEMENT upstream-protocol-name (#PCDATA)>

<!ELEMENT upstream-state-flags (none | local-source | local-rp | join-to-rp |
join-to-source | prune-to-rp | prune-to-source)*>

<!ELEMENT usy-addr (#PCDATA)>

<!ELEMENT usy-elapsed (#PCDATA)>
<!ATTLIST usy-elapsed junos:seconds CDATA #IMPLIED>

<!ELEMENT usy-flags (#PCDATA)>

<!ELEMENT usy-iid (#PCDATA)>

<!ELEMENT usy-more EMPTY>

<!ELEMENT vc-down-count (#PCDATA)>

<!ELEMENT vc-id (#PCDATA)>

<!ELEMENT vc-label (#PCDATA)>
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<!ELEMENT vc-up-count (#PCDATA)>

<!ELEMENT via (#PCDATA)>

<!ELEMENT virtual-link-destination (#PCDATA)>

<!ELEMENT virtual-link-error (#PCDATA)>

<!ELEMENT virtual-link-transit-area (#PCDATA)>

<!ELEMENT vlan-id (#PCDATA)>

<!ELEMENT vlan_add (#PCDATA)>

<!ELEMENT vlan_chg (#PCDATA)>

<!ELEMENT vlan_del (#PCDATA)>

<!ELEMENT vpls-auto-site-repository (route-distinguisher | instance-id |
local-site-id | auto-site-count | auto-site-repository-state)*>

<!ELEMENT vpls-auto-site-repository-information (vpls-auto-site-repository)*>

<!ELEMENT vpls-bgp-label-repository-information
(vpls-bgp-route-distinguisher-information)*>

<!ELEMENT vpls-bgp-route-distinguisher-information (route-distinguisher |
instance-id | l2vpn-nlri-advertisement)*>

<!ELEMENT vpls-connection-information (instance)*>

<!ELEMENT vpls-dyn-instance-name (#PCDATA)>

<!ELEMENT vpls-dyn-interface-name (#PCDATA)>

<!ELEMENT vpls-dyn-prof-session-information (vpls-dyn-session-entry)*>

<!ELEMENT vpls-dyn-profile-name (#PCDATA)>

<!ELEMENT vpls-dyn-session-entry (vpls-dyn-session-id | vpls-dyn-profile-name |
vpls-dyn-interface-name | vpls-dyn-instance-name)*>

<!ELEMENT vpls-dyn-session-id (#PCDATA)>

<!ELEMENT vpls-dynamic-interface-repository (instance-id | local-site-id |
remote-site-id | interface-name | local-interface-index | vpls-label |
interface-repository-state | mesh-group-id)*>

<!ELEMENT vpls-dynamic-interface-repository-information
(vpls-dynamic-interface-repository | vpls-fec129-dynamic-interface-repository |
vpls-ldp-dynamic-interface-repository-entity)*>

<!ELEMENT vpls-egress-p2mp-branch-lsp-name (#PCDATA)>

<!ELEMENT vpls-egress-p2mp-branch-lsp-state (#PCDATA)>

<!ELEMENT vpls-fec129-dynamic-interface-repository (interface-name | neighbor-id
| agi | saii | taii | vpls-label | interface-repository-state | mesh-group-id)*>

<!ELEMENT vpls-id (#PCDATA)>

```

```
<!ELEMENT vpls-ingress-p2mp-branch-lsp-name (#PCDATA)>

<!ELEMENT vpls-ingress-p2mp-branch-lsp-state (#PCDATA)>

<!ELEMENT vpls-ingress-p2mp-lsp-name (#PCDATA)>

<!ELEMENT vpls-label (#PCDATA)>

<!ELEMENT vpls-ldp-dynamic-interface-repository (vpls-id | neighbor-id |
interface-name | vpls-label | ifl-repository-state | mesh-group-id)*>

<!ELEMENT vpls-ldp-dynamic-interface-repository-entity (instance |
vpls-ldp-dynamic-interface-repository)*>

<!ELEMENT vpls-ldp-label-repository (neighbor-id | vpls-id | vpls-label |
label-repository-state)*>

<!ELEMENT vpls-ldp-label-repository-entity (instance-name |
vpls-ldp-label-repository)*>

<!ELEMENT vpls-ldp-label-repository-information
(vpls-ldp-label-repository-entity)*>

<!ELEMENT vpls-protocol-state (vpls-signaling-protocol-identifier |
num-local-interfaces | num-local-interfaces-up | irb-present | mesh-group-count
| mesh-group-up-count | mesh-group-interfaces | interface | mesh-group-connection
| reference-site)*>

<!ELEMENT vpls-rsvp-te-ingress-p2mp-lsp (vpls-ingress-p2mp-lsp-name |
vpls-rsvp-te-p2mp-flood-nexthop-id)*>

<!ELEMENT vpls-rsvp-te-p2mp-flood-nexthop-id (#PCDATA)>

<!ELEMENT vpls-rsvp-te-p2mp-lsp-information (vpls-ingress-p2mp-branch-lsp-name |
vpls-ingress-p2mp-branch-lsp-state | vpls-egress-p2mp-branch-lsp-name |
vpls-egress-p2mp-branch-lsp-state)*>

<!ELEMENT vpls-signaling-protocol-identifier (#PCDATA)>

<!ELEMENT vpls-statistics-information (instance | interface-statistics)*>

<!ELEMENT vpn-label (#PCDATA)>

<!ELEMENT vpn-rib-state (#PCDATA)>

<!ELEMENT vpnlabel-nh (#PCDATA)>

<!ELEMENT vrf-export (#PCDATA)>

<!ELEMENT vrf-export-target (#PCDATA)>

<!ELEMENT vrf-import (#PCDATA)>

<!ELEMENT vrf-import-target (#PCDATA)>

<!ELEMENT vrf-label-allocation (#PCDATA)>

<!ELEMENT vrf-label-substitution (#PCDATA)>

<!ELEMENT vrrp-advertisement-sent-time (#PCDATA)>
```

```
<!ATTLIST vrrp-advertisement-sent-time junos:seconds CDATA #IMPLIED>

<!ELEMENT vrrp-advertisements-received (#PCDATA)>

<!ELEMENT vrrp-advertisements-sent (#PCDATA)>

<!ELEMENT vrrp-group (vrrp-group-id | vrrp-advertisements-sent |
vrrp-advertisement-sent-time | vrrp-solicits-received | vrrp-solicit-receive-time
| vrrp-advertisements-received)*>

<!ELEMENT vrrp-group-id (#PCDATA)>

<!ELEMENT vrrp-solicit-receive-time (#PCDATA)>
<!ATTLIST vrrp-solicit-receive-time junos:seconds CDATA #IMPLIED>

<!ELEMENT vrrp-solicits-received (#PCDATA)>

<!ELEMENT warning-percentage (#PCDATA)>

<!ELEMENT weight (#PCDATA)>

<!ELEMENT wildcard EMPTY>

<!ELEMENT working-status (#PCDATA)>
```



## CHAPTER 78

# DTD for RPM Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-rpm.dtd`, which lists the Junos XML tags that contain information about RPM. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-rpm.dtd -->

<!ELEMENT accept-sessions-sent (#PCDATA)>

<!ELEMENT active-servers (configured-servers)*>

<!ELEMENT authentication-mode (#PCDATA)>

<!ELEMENT avg-delay (#PCDATA)>
<!-- ATTENTION: avg-delay junos:format CDATA #IMPLIED -->

<!ELEMENT client-address (#PCDATA)>

<!ELEMENT client-port (#PCDATA)>

<!ELEMENT configured-servers (protocol | port | destination-interface)*>

<!ELEMENT connection (connection-id | client-address | client-port | server-address
| server-port | session-count | authentication-mode)*>

<!ELEMENT connection-id (#PCDATA)>

<!ELEMENT delay-thresh (#PCDATA)>

<!ELEMENT destination-interface (#PCDATA)>

<!ELEMENT egress (#PCDATA)>

<!ELEMENT egress-interarrival-jitter (#PCDATA)>

<!ELEMENT egress-jitter (#PCDATA)>

<!ELEMENT egress-jitter-thresh (#PCDATA)>

<!ELEMENT egress-stddev-thresh (#PCDATA)>

<!ELEMENT egress-thresh (#PCDATA)>
```

```
<!ELEMENT hardware-timestamp-status (#PCDATA)>

<!ELEMENT history-results (history-test-results)*>

<!ELEMENT history-test-results (owner | test-name | target-address | target-url
| source-address | destination-interface | probe-type | probe-single-results |
probe-test-current-results | loss-thresh-total | loss-thresh-succ | delay-thresh
| jitter-thresh | stddev-thresh | egress-thresh | egress-jitter-thresh |
ingress-thresh | ingress-jitter-thresh)*>
<!ATTLIST history-test-results junos:style CDATA #IMPLIED>

<!ELEMENT ingress (#PCDATA)>

<!ELEMENT ingress-interarrival-jitter (#PCDATA)>

<!ELEMENT ingress-jitter (#PCDATA)>

<!ELEMENT ingress-jitter-thresh (#PCDATA)>

<!ELEMENT ingress-stddev-thresh (#PCDATA)>

<!ELEMENT ingress-thresh (#PCDATA)>

<!ELEMENT internal-error (#PCDATA)>

<!ELEMENT ip-version (#PCDATA)>

<!ELEMENT jitter-delay (#PCDATA)>
<!ATTLIST jitter-delay junos:format CDATA #IMPLIED>

<!ELEMENT jitter-thresh (#PCDATA)>

<!ELEMENT last-sequence-number-received (#PCDATA)>

<!ELEMENT last-sequence-number-sent (#PCDATA)>

<!ELEMENT last-test-time (#PCDATA)>
<!ATTLIST last-test-time junos:seconds CDATA #IMPLIED>

<!ELEMENT loss-percentage (#PCDATA)>
<!ATTLIST loss-percentage junos:format CDATA #IMPLIED>

<!ELEMENT loss-thresh-succ (#PCDATA)>

<!ELEMENT loss-thresh-total (#PCDATA)>

<!ELEMENT max-delay (#PCDATA)>
<!ATTLIST max-delay junos:format CDATA #IMPLIED>

<!ELEMENT min-delay (#PCDATA)>
<!ATTLIST min-delay junos:format CDATA #IMPLIED>

<!ELEMENT owner (#PCDATA)>

<!ELEMENT packet-malformed (#PCDATA)>

<!ELEMENT packet-statistics (request-sessions-received | accept-sessions-sent |
start-sessions-received | stop-sessions-received | test-packets-received |
test-packets-reflected | last-sequence-number-received | last-sequence-number-sent
| test-packets-dropped | test-packets-dropped-details)*>
```



```

<!ELEMENT packet-unsupported (#PCDATA)>

<!ELEMENT padding-length (#PCDATA)>

<!ELEMENT port (#PCDATA)>

<!ELEMENT probe-last-test-info (last-test-time)*>

<!ELEMENT probe-last-test-results (probe-test-generic-results)*>

<!ELEMENT probe-responses (#PCDATA)>

<!ELEMENT probe-results (probe-test-results)*>

<!ELEMENT probe-results-type (#PCDATA)>

<!ELEMENT probe-single-results (owner | test-name | probe-time | probe-status |
hardware-timestamp-status | rtt | ingress | egress | egress-jitter | ingress-jitter
| round-trip-jitter | egress-interarrival-jitter | ingress-interarrival-jitter
| round-trip-interarrival-jitter)*>
<!ATTLIST probe-single-results junos:style CDATA #IMPLIED>

<!ELEMENT probe-status (#PCDATA)>

<!ELEMENT probe-summary-results (probe-results-type | min-delay | max-delay |
avg-delay | jitter-delay | stddev-delay | sum-delay | samples)*>

<!ELEMENT probe-test-current-results (probe-test-generic-results)*>

<!ELEMENT probe-test-egress (probe-summary-results)*>

<!ELEMENT probe-test-generic-results (probes-sent | probe-responses |
loss-percentage | results-scope | probe-last-test-info | probe-test-rtt |
probe-test-egress | probe-test-ingress | probe-test-positive-egress-jitter |
probe-test-negative-egress-jitter | probe-test-positive-ingress-jitter |
probe-test-negative-ingress-jitter | probe-test-positive-round-trip-jitter |
probe-test-negative-round-trip-jitter)*>

<!ELEMENT probe-test-global-results (probe-test-generic-results)*>

<!ELEMENT probe-test-ingress (probe-summary-results)*>

<!ELEMENT probe-test-moving-results (probe-test-generic-results)*>

<!ELEMENT probe-test-negative-egress-jitter (probe-summary-results)*>

<!ELEMENT probe-test-negative-ingress-jitter (probe-summary-results)*>

<!ELEMENT probe-test-negative-round-trip-jitter (probe-summary-results)*>

<!ELEMENT probe-test-positive-egress-jitter (probe-summary-results)*>

<!ELEMENT probe-test-positive-ingress-jitter (probe-summary-results)*>

<!ELEMENT probe-test-positive-round-trip-jitter (probe-summary-results)*>

<!ELEMENT probe-test-results (owner | test-name | target-address | target-url |
source-address | destination-interface | probe-type | test-size |
routing-instance-name | loss-thresh-total | loss-thresh-succ | delay-thresh |
jitter-thresh | stddev-thresh | egress-thresh | egress-jitter-thresh |

```

```
egress-stddev-thresh | ingress-thresh | ingress-jitter-thresh |
ingress-stddev-thresh | probe-single-results | probe-test-current-results |
probe-last-test-results | probe-test-moving-results | probe-test-global-results)*>

<!ELEMENT probe-test-rtt (probe-summary-results)*>

<!ELEMENT probe-time (#PCDATA)>
<!ATTLIST probe-time junos:seconds CDATA #IMPLIED>

<!ELEMENT probe-type (#PCDATA)>

<!ELEMENT probes-sent (#PCDATA)>

<!ELEMENT protocol (#PCDATA)>

<!ELEMENT reflector-address (#PCDATA)>

<!ELEMENT reflector-port (#PCDATA)>

<!ELEMENT request-sessions-received (#PCDATA)>

<!ELEMENT results-scope (#PCDATA)>

<!ELEMENT round-trip-interarrival-jitter (#PCDATA)>

<!ELEMENT round-trip-jitter (#PCDATA)>

<!ELEMENT routing-instance-name (#PCDATA)>

<!ELEMENT rtt (#PCDATA)>

<!ELEMENT samples (#PCDATA)>
<!ATTLIST samples junos:format CDATA #IMPLIED>

<!ELEMENT sender-address (#PCDATA)>

<!ELEMENT sender-port (#PCDATA)>

<!ELEMENT server (session)*>

<!ELEMENT server-address (#PCDATA)>

<!ELEMENT server-port (#PCDATA)>

<!ELEMENT server-statistics (packet-statistics)*>

<!ELEMENT session (session-id | connection-id | sender-address | sender-port |
reflector-address | reflector-port | session-state | authentication-mode |
ip-version | padding-length | start-time | timeout | packet-statistics)*>
<!ATTLIST session junos:style CDATA #IMPLIED>

<!ELEMENT session-count (#PCDATA)>

<!ELEMENT session-id (#PCDATA)>

<!ELEMENT session-nonexist (#PCDATA)>

<!ELEMENT session-notactive (#PCDATA)>

<!ELEMENT session-state (#PCDATA)>
```

```
<!ELEMENT source-address (#PCDATA)>

<!ELEMENT start-sessions-received (#PCDATA)>

<!ELEMENT start-time (#PCDATA)>

<!ELEMENT stddev-delay (#PCDATA)>
<!ATTLIST stddev-delay junos:format CDATA #IMPLIED>

<!ELEMENT stddev-thresh (#PCDATA)>

<!ELEMENT stop-sessions-received (#PCDATA)>

<!ELEMENT sum-delay (#PCDATA)>
<!ATTLIST sum-delay junos:format CDATA #IMPLIED>

<!ELEMENT target-address (#PCDATA)>

<!ELEMENT target-url (#PCDATA)>

<!ELEMENT test-name (#PCDATA)>

<!ELEMENT test-packets-dropped (#PCDATA)>

<!ELEMENT test-packets-dropped-details (session-nonexist | session-notactive |
packet-unsupported | packet-malformed | internal-error)*>

<!ELEMENT test-packets-received (#PCDATA)>

<!ELEMENT test-packets-reflected (#PCDATA)>

<!ELEMENT test-size (#PCDATA)>
<!ATTLIST test-size junos:format CDATA #IMPLIED>

<!ELEMENT timeout (#PCDATA)>

<!ELEMENT twamp-server-information (connection | server | server-statistics)*>
```



# DTD for Routing and Forwarding Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-rtinfo.dtd`, which lists the Junos XML tags that contain information about routing and forwarding tables. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-rtinfo.dtd -->

<!ELEMENT address-family (#PCDATA)>

<!ELEMENT address-family-number (#PCDATA)>

<!ELEMENT alt-fwdnh-index (#PCDATA)>

<!ELEMENT bd-name (#PCDATA)>

<!ELEMENT bridge-mac-destination-address-statistics (packet-count | byte-count)*>

<!ELEMENT bridge-mac-source-address-statistics (packet-count | byte-count)*>

<!ELEMENT bridge-table-deleted EMPTY>

<!ELEMENT byte-count (#PCDATA)>

<!ELEMENT destination-type (#PCDATA)>

<!ELEMENT epoch (#PCDATA)>

<!ELEMENT flood-token (#PCDATA)>

<!ELEMENT forwarding-table-information (route-table)*>

<!ELEMENT ifl-generation (#PCDATA)>

<!ELEMENT l2al-rtflags (#PCDATA)>

<!ELEMENT learn-mask (#PCDATA)>

<!ELEMENT learn-vlan (#PCDATA)>

<!ELEMENT logical-system-name (#PCDATA)>
```

```
<!ELEMENT mac-sequence-number (#PCDATA)>

<!ELEMENT nh (to | nh-type | nh-index | nh-reference-count | nh-cfi-index | via
| nh-weight | nh-balance | nh-uflags | nh-composite-num-nhs | nh-composite-nh-index
| nh-composite-function | nh-composite-num-derived-nhs |
nh-composite-derived-nh-index | alt-fwdnh-index | nh-l3-interface | nh-l2-interface
| nh-le-beb-mac)*>

<!ELEMENT nh-balance (#PCDATA)>

<!ELEMENT nh-cfi-index (#PCDATA)>

<!ELEMENT nh-composite-derived-nh-index (#PCDATA)>

<!ELEMENT nh-composite-function (#PCDATA)>

<!ELEMENT nh-composite-nh-index (#PCDATA)>

<!ELEMENT nh-composite-num-derived-nhs (#PCDATA)>

<!ELEMENT nh-composite-num-nhs (#PCDATA)>

<!ELEMENT nh-index (#PCDATA)>

<!ELEMENT nh-l2-interface (nh-l2-interface-name)*>

<!ELEMENT nh-l2-interface-name (#PCDATA)>

<!ELEMENT nh-l3-interface (#PCDATA)>

<!ELEMENT nh-le-beb-mac (#PCDATA)>

<!ELEMENT nh-reference-count (#PCDATA)>

<!ELEMENT nh-type (#PCDATA)>

<!ELEMENT nh-uflags (#PCDATA)>

<!ELEMENT nh-weight (#PCDATA)>

<!ELEMENT packet-count (#PCDATA)>

<!ELEMENT pbbn-route-table-deleted EMPTY>

<!ELEMENT pbbn-table-name (#PCDATA)>

<!ELEMENT route-count (#PCDATA)>

<!ELEMENT route-flags (#PCDATA)>

<!ELEMENT route-interface-index (#PCDATA)>

<!ELEMENT route-reference-count (#PCDATA)>

<!ELEMENT route-table (logical-system-name | table-name | bd-name | pbbn-table-name
| route-table-deleted | pbbn-route-table-deleted | bridge-table-deleted |
address-family | address-family-number | rt-entry | route-table-summary)*>

<!ELEMENT route-table-deleted EMPTY>
```

```
<!ELEMENT route-table-summary (route-table-type | route-count)*>

<!ELEMENT route-table-type (#PCDATA)>

<!ELEMENT rpf-information (via)*>

<!ELEMENT rt-destination (#PCDATA)>

<!ELEMENT rt-entry (rt-destination | learn-vlan | destination-type |
route-reference-count | route-interface-index | ifl-generation | epoch |
flood-token | mac-sequence-number | learn-mask | l2a1-rtflags | route-flags |
vlan-index | vlan-flags | nh | rpf-information | vpls-mac-source-address-statistics
| vpls-mac-destination-address-statistics | bridge-mac-source-address-statistics
| bridge-mac-destination-address-statistics)*>
<!ATTLIST rt-entry junos:style CDATA #IMPLIED>

<!ELEMENT table-name (#PCDATA)>

<!ELEMENT to (#PCDATA)>

<!ELEMENT via (#PCDATA)>

<!ELEMENT vlan-flags (#PCDATA)>

<!ELEMENT vlan-index (#PCDATA)>

<!ELEMENT vpls-mac-destination-address-statistics (packet-count | byte-count)*>

<!ELEMENT vpls-mac-source-address-statistics (packet-count | byte-count)*>
```





## CHAPTER 80

# DTD for SDX Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-sdx.dtd`, which lists the Junos XML tags that contain information about SDX. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-sdx.dtd -->

<!ELEMENT address (#PCDATA)>

<!ELEMENT connection-status (state | address | port | date-time)*>

<!ELEMENT date-time (#PCDATA)>
<!-- ATTENTION: junos:seconds CDATA #IMPLIED -->

<!ELEMENT elapsed-time (#PCDATA)>

<!ELEMENT interval (#PCDATA)>

<!ELEMENT keepalive-count (#PCDATA)>

<!ELEMENT keepalive-information (interval | keepalive-count | elapsed-time)*>

<!ELEMENT notification-count (#PCDATA)>

<!ELEMENT notification-information (notification-count | elapsed-time)*>

<!ELEMENT peer-information (elapsed-time)*>

<!ELEMENT port (#PCDATA)>

<!ELEMENT sdx-information (unconfigured | connection-status | keepalive-information
| notification-information | peer-information)*>

<!ELEMENT state (#PCDATA)>

<!ELEMENT unconfigured EMPTY>
```



## CHAPTER 81

# DTD for SecPolInfo Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-secpolinfo.dtd`, which lists the Junos XML tags that contain information about security policy resource utilization. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-secpolinfo.dtd -->

<!ELEMENT area (#PCDATA)>

<!ELEMENT current (#PCDATA)>
<!-- ATTLIST current junos:format CDATA #IMPLIED -->

<!ELEMENT maximum (#PCDATA)>
<!-- ATTLIST maximum junos:format CDATA #IMPLIED -->

<!ELEMENT resource (area | current | maximum)*>

<!ELEMENT resource-utilization (resource)*>

<!ELEMENT secpolinfo-policy (secpolinfo-policy-provider-prefix |
secpolinfo-policy-provider-id | secpolinfo-policy-applied-role |
secpolinfo-policy-applied-policy | secpolinfo-policy-inherited-role |
secpolinfo-policy-inherited-policy | resource-utilization)*>
<!-- ATTLIST secpolinfo-policy junos:style CDATA #IMPLIED -->

<!ELEMENT secpolinfo-policy-applied-policy (#PCDATA)>

<!ELEMENT secpolinfo-policy-applied-role (#PCDATA)>

<!ELEMENT secpolinfo-policy-information (secpolinfo-policy)*>

<!ELEMENT secpolinfo-policy-inherited-policy (#PCDATA)>

<!ELEMENT secpolinfo-policy-inherited-role (#PCDATA)>

<!ELEMENT secpolinfo-policy-provider-id (#PCDATA)>

<!ELEMENT secpolinfo-policy-provider-prefix (#PCDATA)>
```



# DTD for Services Accounting Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-services-accounting.dtd`, which lists the Junos XML tags that contain information about services accounting. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-services-accounting.dtd -->

<!ELEMENT active-flows (#PCDATA)>

<!ELEMENT active-timeout-failures (#PCDATA)>

<!ELEMENT allocation-count (#PCDATA)>

<!ELEMENT allocations-per-second (#PCDATA)>

<!ELEMENT bgp-nexthop (#PCDATA)>

<!ELEMENT byte-count (#PCDATA)>

<!ELEMENT destination-address (#PCDATA)>

<!ELEMENT destination-as (#PCDATA)>

<!ELEMENT destination-ipv6-address (#PCDATA)>

<!ELEMENT destination-mask (#PCDATA)>

<!ELEMENT destination-peer-as (#PCDATA)>

<!ELEMENT destination-port (#PCDATA)>
<!ATTLIST destination-port junos:format CDATA #IMPLIED>

<!ELEMENT destination-prefix-length (#PCDATA)>

<!ELEMENT detail-entry (tos | protocol | tcp-flags | source-address |
source-prefix-length | destination-address | destination-prefix-length |
source-port | destination-port | input-snmp-interface-index |
output-snmp-interface-index | input-interface-name | output-interface-name |
source-as | destination-as | start-time | end-time | packet-count | byte-count |
last-active-timeout | source-mask | destination-mask | icmp-type | mpls-label-1
```

```
| mpls-label-2 | mpls-label-3 | top-label-address | source-ipv6-address |
destination-ipv6-address | destination-peer-as | bgp-nexthop | flow-count)*>

<!ELEMENT end-time (#PCDATA)>
<!--ATTLIST end-time junos:seconds CDATA #IMPLIED-->

<!ELEMENT error-allocation-failures (#PCDATA)>

<!ELEMENT error-bytes-per-second-overload (#PCDATA)>

<!ELEMENT error-free-failures (#PCDATA)>

<!ELEMENT error-free-list-failures (#PCDATA)>

<!ELEMENT error-information (error-packets-dropped-no-memory |
error-packets-dropped-not-ip | error-packets-dropped-not-ipv4 |
error-packets-too-small | error-allocation-failures | error-free-failures |
error-free-list-failures | error-memory-warning | error-memory-overload |
error-packets-per-second-overload | error-bytes-per-second-overload)*>

<!ELEMENT error-memory-overload (#PCDATA)>

<!--ELEMENT error-memory-warning (#PCDATA)-->

<!--ELEMENT error-packets-dropped-no-memory (#PCDATA)-->

<!--ELEMENT error-packets-dropped-not-ip (#PCDATA)-->

<!--ELEMENT error-packets-dropped-not-ipv4 (#PCDATA)-->

<!--ELEMENT error-packets-per-second-overload (#PCDATA)-->

<!--ELEMENT error-packets-too-small (#PCDATA)-->

<!--ELEMENT export-packet-failures (#PCDATA)-->

<!--ELEMENT five-second-load (#PCDATA)-->

<!--ELEMENT flow-aggregate-as-detail (detail-entry)*-->
<!--ATTLIST flow-aggregate-as-detail junos:style CDATA #IMPLIED-->

<!--ELEMENT flow-aggregate-destination-prefix-detail (detail-entry)*-->
<!--ATTLIST flow-aggregate-destination-prefix-detail junos:style CDATA #IMPLIED-->

<!--ELEMENT flow-aggregate-protocol-port-detail (detail-entry)*-->
<!--ATTLIST flow-aggregate-protocol-port-detail junos:style CDATA #IMPLIED-->

<!--ELEMENT flow-aggregate-source-destination-prefix-detail (detail-entry)*-->
<!--ATTLIST flow-aggregate-source-destination-prefix-detail junos:style CDATA
#IMPLIED-->

<!--ELEMENT flow-aggregate-source-prefix-detail (detail-entry)*-->
<!--ATTLIST flow-aggregate-source-prefix-detail junos:style CDATA #IMPLIED-->

<!--ELEMENT flow-aggregate-template-detail (flow-aggregate-template-detail-ipv4 |
flow-aggregate-template-detail-mpls | flow-aggregate-template-detail-mpls-ipv4 |
flow-aggregate-template-detail-ipv6 |
flow-aggregate-template-detail-peer-as-billing)*-->

<!--ELEMENT flow-aggregate-template-detail-ipv4 (detail-entry)*-->
<!--ATTLIST flow-aggregate-template-detail-ipv4 junos:style CDATA #IMPLIED-->
```

```

<!ELEMENT flow-aggregate-template-detail-ipv6 (detail-entry)*>
<!ATTLIST flow-aggregate-template-detail-ipv6 junos:style CDATA #IMPLIED>

<!ELEMENT flow-aggregate-template-detail-mps (detail-entry)*>
<!ATTLIST flow-aggregate-template-detail-mps junos:style CDATA #IMPLIED>

<!ELEMENT flow-aggregate-template-detail-mps-ipv4 (detail-entry)*>
<!ATTLIST flow-aggregate-template-detail-mps-ipv4 junos:style CDATA #IMPLIED>

<!ELEMENT flow-aggregate-template-detail-peer-as-billing (detail-entry)*>
<!ATTLIST flow-aggregate-template-detail-peer-as-billing junos:style CDATA
#IMPLIED>

<!ELEMENT flow-bytes (#PCDATA)>

<!ELEMENT flow-bytes-ten-second-rate (#PCDATA)>

<!ELEMENT flow-count (#PCDATA)>

<!ELEMENT flow-creation-failures (#PCDATA)>

<!ELEMENT flow-detail (detail-entry)*>
<!ATTLIST flow-detail junos:style CDATA #IMPLIED>

<!ELEMENT flow-information (interface-name | local_ifd_index | flow-packets |
flow-bytes | flow-packets-ten-second-rate | flow-bytes-ten-second-rate |
active-flows | flows | flows-exported | flow-packets-exported | flows-expired |
flows-aged)*>

<!ELEMENT flow-packets (#PCDATA)>

<!ELEMENT flow-packets-exported (#PCDATA)>

<!ELEMENT flow-packets-ten-second-rate (#PCDATA)>

<!ELEMENT flows (#PCDATA)>

<!ELEMENT flows-aged (#PCDATA)>

<!ELEMENT flows-expired (#PCDATA)>

<!ELEMENT flows-exported (#PCDATA)>

<!ELEMENT fpc-slot (#PCDATA)>

<!ELEMENT free-count (#PCDATA)>

<!ELEMENT frees-per-second (#PCDATA)>

<!ELEMENT icmp-type (#PCDATA)>

<!ELEMENT inline-active-flows (#PCDATA)>

<!ELEMENT inline-as-lookup-failures (#PCDATA)>

<!ELEMENT inline-export-packet-failures (#PCDATA)>

<!ELEMENT inline-flow-bytes (#PCDATA)>

<!ELEMENT inline-flow-creation-failures (#PCDATA)>

```

```
<!ELEMENT inline-flow-packets (#PCDATA)>

<!ELEMENT inline-flow-packets-exported (#PCDATA)>

<!ELEMENT inline-flows (#PCDATA)>

<!ELEMENT inline-flows-aged (#PCDATA)>

<!ELEMENT inline-flows-expired (#PCDATA)>

<!ELEMENT inline-flows-exported (#PCDATA)>

<!ELEMENT inline-jflow-error-information (fpc-slot | inline-flow-creation-failures
| ring-buffer-failures | inline-route-record-lookup-failure |
inline-as-lookup-failures | inline-export-packet-failures |
inline-memory-overload)*>

<!ELEMENT inline-jflow-flow-information (fpc-slot | inline-flow-packets |
inline-flow-bytes | inline-active-flows | inline-flows | inline-flows-exported |
inline-flow-packets-exported | inline-flows-expired | inline-flows-aged)*>

<!ELEMENT inline-jflow-status-information (fpc-slot | inline-status-export-format
| inline-status-route-record-count | inline-status-as-count | ring-buffer-entries
| inline-status-route-record-set | inline-status-config-set)*>

<!ELEMENT inline-memory-overload (#PCDATA)>

<!ELEMENT inline-route-record-lookup-failure (#PCDATA)>

<!ELEMENT inline-status-as-count (#PCDATA)>

<!ELEMENT inline-status-config-set (#PCDATA)>

<!ELEMENT inline-status-export-format (#PCDATA)>

<!ELEMENT inline-status-route-record-count (#PCDATA)>

<!ELEMENT inline-status-route-record-set (#PCDATA)>

<!ELEMENT input-interface-name (#PCDATA)>

<!ELEMENT input-snmp-interface-index (#PCDATA)>

<!ELEMENT interface-name (#PCDATA)>

<!ELEMENT inttime (#PCDATA)>

<!ELEMENT last-active-timeout (time-delta | last-packet-count | last-byte-count)*>

<!ELEMENT last-byte-count (#PCDATA)>

<!ELEMENT last-packet-count (#PCDATA)>

<!ELEMENT local-index (#PCDATA)>

<!ELEMENT local_ifd_index (#PCDATA)>

<!ELEMENT maximum-allocated (#PCDATA)>

<!ELEMENT memory-free (#PCDATA)>
```



```

<!ELEMENT memory-information (interface-name | allocation-count | free-count |
maximum-allocated | allocations-per-second | frees-per-second | memory-used |
memory-free | v9-memory-used)*>
<!ATTLIST memory-information junos:style CDATA #IMPLIED>

<!ELEMENT memory-overload (#PCDATA)>

<!ELEMENT memory-used (#PCDATA)>

<!ELEMENT mpls-label-1 (#PCDATA)>

<!ELEMENT mpls-label-2 (#PCDATA)>

<!ELEMENT mpls-label-3 (#PCDATA)>

<!ELEMENT one-minute-load (#PCDATA)>

<!ELEMENT output-interface-name (#PCDATA)>

<!ELEMENT output-snmp-interface-index (#PCDATA)>

<!ELEMENT packet-count (#PCDATA)>

<!ELEMENT packet-distribution-information (packet-size-range-start |
packet-size-range-end | range-number-packets | range-percentage-packets)*>

<!ELEMENT packet-size-range-end (#PCDATA)>

<!ELEMENT packet-size-range-start (#PCDATA)>

<!ELEMENT pic-status (#PCDATA)>

<!ELEMENT protocol (#PCDATA)>
<!ATTLIST protocol junos:format CDATA #IMPLIED>

<!ELEMENT range-number-packets (#PCDATA)>

<!ELEMENT range-percentage-packets (#PCDATA)>

<!ELEMENT ring-buffer-entries (#PCDATA)>

<!ELEMENT ring-buffer-failures (#PCDATA)>

<!ELEMENT service-name (#PCDATA)>

<!ELEMENT service-set-dropped (#PCDATA)>

<!ELEMENT services-accounting-information (service-name | interface-name |
pic-status | local-index | usage-information | memory-information |
flow-information | inline-jflow-flow-information | packet-distribution-information
| error-information | inline-jflow-error-information | v9-error-information |
status-information | inline-jflow-status-information | flow-detail |
flow-aggregate-template-detail | flow-aggregate-as-detail |
flow-aggregate-protocol-port-detail | flow-aggregate-source-prefix-detail |
flow-aggregate-destination-prefix-detail |
flow-aggregate-source-destination-prefix-detail)*>
<!ATTLIST services-accounting-information junos:style CDATA #IMPLIED>

<!ELEMENT source-address (#PCDATA)>

```

```
<!ELEMENT source-as (#PCDATA)>

<!ELEMENT source-ipv6-address (#PCDATA)>

<!ELEMENT source-mask (#PCDATA)>

<!ELEMENT source-port (#PCDATA)>
<ATTLIST source-port junos:format CDATA #IMPLIED>

<!ELEMENT source-prefix-length (#PCDATA)>

<!ELEMENT start-time (#PCDATA)>
<ATTLIST start-time junos:seconds CDATA #IMPLIED>

<!ELEMENT status-as-count (#PCDATA)>

<!ELEMENT status-engine-id (#PCDATA)>

<!ELEMENT status-engine-type (#PCDATA)>

<!ELEMENT status-export-format (#PCDATA)>

<!ELEMENT status-export-interval (#PCDATA)>

<!ELEMENT status-ifl-snmp-map-count (#PCDATA)>

<!ELEMENT status-information (status-service-id | status-export-interval |
interface-name | status-export-format | status-proto | status-engine-type |
status-engine-id | status-route-record-count | status-ifl-snmp-map-count |
status-as-count | status-monitor-time-set | status-monitor-config-set |
status-monitor-route-record-set | status-monitor-ifl-snmp-set)*>
<ATTLIST status-information junos:style CDATA #IMPLIED>

<!ELEMENT status-monitor-config-set (#PCDATA)>

<!ELEMENT status-monitor-ifl-snmp-set (#PCDATA)>

<!ELEMENT status-monitor-route-record-set (#PCDATA)>

<!ELEMENT status-monitor-time-set (#PCDATA)>

<!ELEMENT status-proto (#PCDATA)>

<!ELEMENT status-route-record-count (#PCDATA)>

<!ELEMENT status-service-id (#PCDATA)>

<!ELEMENT tcp-flags (#PCDATA)>

<!ELEMENT time-delta (#PCDATA)>
<ATTLIST time-delta junos:seconds CDATA #IMPLIED>

<!ELEMENT top-label-address (#PCDATA)>

<!ELEMENT tos (#PCDATA)>

<!ELEMENT uptime (#PCDATA)>

<!ELEMENT usage-information (interface-name | uptime | inttime | five-second-load
| one-minute-load)*>
```

```
<!ELEMENT v9-error-information (interface-name | service-set-dropped |  
active-timeout-failures | export-packet-failures | flow-creation-failures |  
memory-overload)*>
```

```
<!ELEMENT v9-memory-used (#PCDATA)>
```



# DTD for Services Flow Collector Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-services-flow-collector.dtd`, which lists the Junos XML tags that contain information about services flow collector. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-services-flow-collector.dtd -->

<!ELEMENT block-count (#PCDATA)>

<!ELEMENT blocks-allocated (#PCDATA)>

<!ELEMENT blocks-allocated-per-second (#PCDATA)>

<!ELEMENT blocks-freed (#PCDATA)>

<!ELEMENT blocks-freed-per-second (#PCDATA)>

<!ELEMENT blocks-unavailable (#PCDATA)>

<!ELEMENT blocks-unavailable-per-second (#PCDATA)>

<!ELEMENT bytes (#PCDATA)>

<!ELEMENT bytes-per-second (#PCDATA)>

<!ELEMENT clear-flow-collector-statistics-response (#PCDATA)>

<!ELEMENT compressed-block-count (#PCDATA)>

<!ELEMENT compressed-bytes (#PCDATA)>

<!ELEMENT compressed-bytes-per-second (#PCDATA)>

<!ELEMENT current-server (#PCDATA)>

<!ELEMENT export-channel (export-channel-index | current-server |
primary-server-state | secondary-server-state)*>

<!ELEMENT export-channel-index (#PCDATA)>
```

```
<!ELEMENT file (file-name | flow-records | flow-records-per-second |
peak-flow-records-per-second | uncompressed-bytes | uncompressed-bytes-per-second
| peak-uncompressed-bytes-per-second | compressed-bytes |
compressed-bytes-per-second | peak-compressed-bytes-per-second |
compressed-block-count | block-count | state | transfer-attempts)*>

<!ELEMENT file-information (file)*>
<!ATTLIST file-information junos:style CDATA #IMPLIED>

<!ELEMENT file-name (#PCDATA)>

<!ELEMENT files-created (#PCDATA)>

<!ELEMENT files-created-per-second (#PCDATA)>

<!ELEMENT files-destroyed (#PCDATA)>

<!ELEMENT files-destroyed-per-second (#PCDATA)>

<!ELEMENT files-exported (#PCDATA)>

<!ELEMENT files-exported-per-second (#PCDATA)>

<!ELEMENT flow-collector-destination-response (#PCDATA)>

<!ELEMENT flow-record-processed (#PCDATA)>

<!ELEMENT flow-record-processed-per-second (#PCDATA)>

<!ELEMENT flow-records (#PCDATA)>

<!ELEMENT flow-records-per-second (#PCDATA)>

<!ELEMENT ftp-bytes (#PCDATA)>

<!ELEMENT ftp-bytes-per-second (#PCDATA)>

<!ELEMENT ftp-failures (#PCDATA)>

<!ELEMENT ftp-files (#PCDATA)>

<!ELEMENT ftp-files-per-second (#PCDATA)>

<!ELEMENT input (input-interface | packets | bytes)*>

<!ELEMENT input-information (input)*>

<!ELEMENT input-interface (#PCDATA)>

<!ELEMENT interface-name (#PCDATA)>

<!ELEMENT memory-free (#PCDATA)>

<!ELEMENT memory-used (#PCDATA)>

<!ELEMENT packet-icmp-drops (#PCDATA)>

<!ELEMENT packet-ip-fragment-drops (#PCDATA)>

<!ELEMENT packet-no-memory-drops (#PCDATA)>
```

```

<!ELEMENT packet-not-ip-drops (#PCDATA)>

<!ELEMENT packet-not-ipv4-drops (#PCDATA)>

<!ELEMENT packet-not-jflow-drops (#PCDATA)>

<!ELEMENT packet-tcp-drops (#PCDATA)>

<!ELEMENT packet-too-small-drops (#PCDATA)>

<!ELEMENT packet-unknown-drops (#PCDATA)>

<!ELEMENT packets (#PCDATA)>

<!ELEMENT packets-per-second (#PCDATA)>

<!ELEMENT peak-blocks-allocated-per-second (#PCDATA)>

<!ELEMENT peak-blocks-freed-per-second (#PCDATA)>

<!ELEMENT peak-blocks-unavailable-per-second (#PCDATA)>

<!ELEMENT peak-bytes-per-second (#PCDATA)>

<!ELEMENT peak-compressed-bytes-per-second (#PCDATA)>

<!ELEMENT peak-files-created-per-second (#PCDATA)>

<!ELEMENT peak-files-destroyed-per-second (#PCDATA)>

<!ELEMENT peak-files-exported-per-second (#PCDATA)>

<!ELEMENT peak-flow-record-processed-per-second (#PCDATA)>

<!ELEMENT peak-flow-records-per-second (#PCDATA)>

<!ELEMENT peak-ftp-bytes-per-second (#PCDATA)>

<!ELEMENT peak-ftp-files-per-second (#PCDATA)>

<!ELEMENT peak-packets-per-second (#PCDATA)>

<!ELEMENT peak-uncompressed-bytes-per-second (#PCDATA)>

<!ELEMENT pic-status (#PCDATA)>

<!ELEMENT primary-server-state (#PCDATA)>

<!ELEMENT secondary-server-state (#PCDATA)>

<!ELEMENT services-flow-collector-information (interface-name | pic-status |
statistics-information | file-information | input-information |
flow-collector-destination-response | test-file-transfer-response |
clear-flow-collector-statistics-response)*>

<!ELEMENT state (#PCDATA)>

<!ELEMENT statistics-information (memory-used | memory-free | packets |
packets-per-second | peak-packets-per-second | bytes | bytes-per-second |
peak-bytes-per-second | flow-record-processed | flow-record-processed-per-second
| peak-flow-record-processed-per-second | blocks-allocated |

```

```
blocks-allocated-per-second | peak-blocks-allocated-per-second | blocks-freed |  
blocks-freed-per-second | peak-blocks-freed-per-second | blocks-unavailable |  
blocks-unavailable-per-second | peak-blocks-unavailable-per-second | files-created  
| files-created-per-second | peak-files-created-per-second | files-exported |  
files-exported-per-second | peak-files-exported-per-second | files-destroyed |  
files-destroyed-per-second | peak-files-destroyed-per-second | uncompressed-bytes  
| uncompressed-bytes-per-second | peak-uncompressed-bytes-per-second |  
compressed-bytes | compressed-bytes-per-second | peak-compressed-bytes-per-second  
| packet-no-memory-drops | packet-not-ip-drops | packet-not-ipv4-drops |  
packet-too-small-drops | packet-ip-fragment-drops | packet-icmp-drops |  
packet-tcp-drops | packet-unknown-drops | packet-not-jflow-drops | ftp-bytes |  
ftp-bytes-per-second | peak-ftp-bytes-per-second | ftp-files | ftp-files-per-second  
| peak-ftp-files-per-second | ftp-failures | export-channel)*>  
<!ATTLIST statistics-information junos:style CDATA #IMPLIED>  
  
<!ELEMENT test-file-transfer-response (#PCDATA)>  
  
<!ELEMENT transfer-attempts (#PCDATA)>  
  
<!ELEMENT uncompressed-bytes (#PCDATA)>  
  
<!ELEMENT uncompressed-bytes-per-second (#PCDATA)>
```



## CHAPTER 84

# DTD for Shared Memory Event Library Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-shmlog.dtd`, which lists the Junos XML tags that contain information about shared memory events. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-shmlog.dtd -->

<!ELEMENT shmlog-information (user-information)*>

<!ELEMENT user-information (#PCDATA)>
```



## CHAPTER 85

# DTD for Shutdown Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-shutdown.dtd`, which lists the Junos XML tags that contain information about routing platform shutdown. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-shutdown.dtd -->

<!ELEMENT clear-reboot-status (reboot-information-results |
clear-reboot-status-results)*>

<!ELEMENT clear-reboot-status-results (#PCDATA)>

<!ELEMENT reboot-information (reboot-information-results)*>

<!ELEMENT reboot-information-results (#PCDATA)>

<!ELEMENT request-reboot-results (request-reboot-status)*>

<!ELEMENT request-reboot-status (#PCDATA)>
<!ATTLIST request-reboot-status reboot-time CDATA #IMPLIED>
```



# DTD for Server Load Balancer Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-slbd.dtd`, which lists the Junos XML tags that contain information about server load balancer. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-slbd.dtd -->

<!ELEMENT ext-manager-information (slb-ext-manager-information)*>
<!ATTLIST ext-manager-information junos:style CDATA #IMPLIED>

<!ELEMENT ext-manager-statistics-information (slb-ext-manager-statistics)*>
<!ATTLIST ext-manager-statistics-information junos:style CDATA #IMPLIED>

<!ELEMENT hash-table-information (slb-hash-information)*>
<!ATTLIST hash-table-information junos:style CDATA #IMPLIED>

<!ELEMENT health-monitor-clear (slb-hm-stats-clear)*>
<!ATTLIST health-monitor-clear junos:style CDATA #IMPLIED>

<!ELEMENT health-monitor-information (slb-hm-information)*>
<!ATTLIST health-monitor-information junos:style CDATA #IMPLIED>

<!ELEMENT health-monitor-statistics-information (slb-hm-statistics)*>
<!ATTLIST health-monitor-statistics-information junos:style CDATA #IMPLIED>

<!ELEMENT real-server-group-information (slb-rsg-information)*>
<!ATTLIST real-server-group-information junos:style CDATA #IMPLIED>

<!ELEMENT real-server-group-statistics-information (slb-rsg-statistics)*>
<!ATTLIST real-server-group-statistics-information junos:style CDATA #IMPLIED>

<!ELEMENT real-server-information (slb-rs-information)*>
<!ATTLIST real-server-information junos:style CDATA #IMPLIED>

<!ELEMENT real-server-statistics-information (slb-rs-statistics)*>
<!ATTLIST real-server-statistics-information junos:style CDATA #IMPLIED>

<!ELEMENT slb-ext-conn-err (#PCDATA)>

<!ELEMENT slb-ext-last-connection-time (#PCDATA)>
```

```
<!ELEMENT slb-ext-manager-information (slb-ext-manager-name |
slb-ext-manager-protocol | slb-ext-manager-ip | slb-ext-manager-port |
slb-ext-manager-status | slb-ext-last-connection-time | slb-ext-manager-rsg-count
| slb-ext-manager-rsg-information)*>

<!ELEMENT slb-ext-manager-ip (#PCDATA)>

<!ELEMENT slb-ext-manager-name (#PCDATA)>

<!ELEMENT slb-ext-manager-port (#PCDATA)>

<!ELEMENT slb-ext-manager-protocol (#PCDATA)>

<!ELEMENT slb-ext-manager-rs-information (slb-rs-servername | slb-rs-ip |
slb-rs-port | slb-static-rs-weight | slb-sasp-rs-weight | slb-sasp-rs-contact-flag
| slb-sasp-rs-quiesce-flag | slb-sasp-rs-registration-flag |
slb-sasp-rs-confident-flag | slb-ext-rs-last-update-time | slb-rs-admin-state |
slb-rs-hm-state)*>

<!ELEMENT slb-ext-manager-rsg-count (#PCDATA)>

<!ELEMENT slb-ext-manager-rsg-information (slb-rsg-servername | slb-rsg-algorithm
| slb-rsg-rs-count | slb-ext-manager-rs-information)*>

<!ELEMENT slb-ext-manager-statistics (slb-ext-manager-name |
slb-ext-manager-protocol | slb-sasp-reg-req | slb-sasp-reg-reply | slb-sasp-reg-err
| slb-sasp-dereg-req | slb-sasp-dereg-reply | slb-sasp-dereg-err |
slb-sasp-get-weights-req | slb-sasp-get-weights-reply | slb-sasp-get-weights-err
| slb-sasp-set-mbr-state-req | slb-sasp-set-mbr-state-reply |
slb-sasp-set-mbr-state-err | slb-sasp-set-lb-state-req |
slb-sasp-set-lb-state-reply | slb-sasp-set-lb-state-err | slb-sasp-send-weights-req
| slb-sasp-send-weights-err | slb-ext-conn-err | slb-ext-total-msg-sent |
slb-ext-total-msg-rcvd)*>

<!ELEMENT slb-ext-manager-status (#PCDATA)>

<!ELEMENT slb-ext-rs-last-update-time (#PCDATA)>

<!ELEMENT slb-ext-total-msg-rcvd (#PCDATA)>

<!ELEMENT slb-ext-total-msg-sent (#PCDATA)>

<!ELEMENT slb-hash-hits (#PCDATA)>

<!ELEMENT slb-hash-hits-total (#PCDATA)>

<!ELEMENT slb-hash-index (#PCDATA)>

<!ELEMENT slb-hash-information (slb-rsg-servername | slb-spu-slot | slb-spu-pic
| slb-hash-index | slb-rs-servername | slb-hash-hits | slb-hash-rs-servername |
slb-hash-keys-total | slb-hash-hits-total)*>

<!ELEMENT slb-hash-keys-total (#PCDATA)>

<!ELEMENT slb-hash-rs-servername (#PCDATA)>

<!ELEMENT slb-hm-clear-percent (#PCDATA)>

<!ELEMENT slb-hm-information (slb-hm-rulename | slb-hm-protocol | slb-hm-port |
slb-hm-timeout | slb-hm-itvl-down | slb-hm-itvl-up | slb-hm-max-retry |
```

```

slb-hm-rs-count | slb-hm-rsg-count | slb-rs-servername | slb-rs-hm-state |
slb-spu-slot | slb-spu-pic | slb-rsg-servername | slb-rsg-rs-count)*>

<!ELEMENT slb-hm-itvl-down (#PCDATA)>

<!ELEMENT slb-hm-itvl-up (#PCDATA)>

<!ELEMENT slb-hm-max-retry (#PCDATA)>

<!ELEMENT slb-hm-packet-rx-err (#PCDATA)>

<!ELEMENT slb-hm-packet-rx-ok (#PCDATA)>

<!ELEMENT slb-hm-packet-tx-err (#PCDATA)>

<!ELEMENT slb-hm-packet-tx-ok (#PCDATA)>

<!ELEMENT slb-hm-port (#PCDATA)>

<!ELEMENT slb-hm-probe-down (#PCDATA)>

<!ELEMENT slb-hm-probe-tx-err (#PCDATA)>

<!ELEMENT slb-hm-probe-tx-ok (#PCDATA)>

<!ELEMENT slb-hm-probe-up (#PCDATA)>

<!ELEMENT slb-hm-protocol (#PCDATA)>

<!ELEMENT slb-hm-rs-count (#PCDATA)>

<!ELEMENT slb-hm-rsg-count (#PCDATA)>

<!ELEMENT slb-hm-rulename (#PCDATA)>

<!ELEMENT slb-hm-statistics (slb-hm-rulename | slb-rsg-servername |
slb-rs-servername | slb-spu-slot | slb-spu-pic | slb-rs-probe-state |
slb-hm-probe-up | slb-hm-probe-down | slb-hm-probe-tx-ok | slb-hm-probe-tx-err |
slb-hm-packet-tx-ok | slb-hm-packet-tx-err | slb-hm-packet-rx-ok |
slb-hm-packet-rx-err)*>

<!ELEMENT slb-hm-stats-clear (slb-hm-clear-percent)*>

<!ELEMENT slb-hm-timeout (#PCDATA)>

<!ELEMENT slb-routing-instance (#PCDATA)>

<!ELEMENT slb-rs-active-conn (#PCDATA)>

<!ELEMENT slb-rs-admin-state (#PCDATA)>

<!ELEMENT slb-rs-byte-rate (#PCDATA)>

<!ELEMENT slb-rs-bytes (#PCDATA)>

<!ELEMENT slb-rs-conn-rate (#PCDATA)>

<!ELEMENT slb-rs-cur-conn-limit (#PCDATA)>

<!ELEMENT slb-rs-hm-state (#PCDATA)>

```

```
<!ELEMENT slb-rs-information (slb-rs-servername | slb-rs-ip | slb-rs-protocol |
slb-rs-port | slb-rs-weight | slb-rs-admin-state | slb-rs-hm-state |
slb-static-rs-weight | slb-rs-ramp-up-time | slb-rs-cur-conn-limit |
slb-rs-max-conn-limit | slb-rs-min-conn-limit | slb-routing-instance |
slb-hm-rulename | slb-spu-slot | slb-spu-pic)*>

<!ELEMENT slb-rs-ip (#PCDATA)>

<!ELEMENT slb-rs-max-conn-limit (#PCDATA)>

<!ELEMENT slb-rs-min-conn-limit (#PCDATA)>

<!ELEMENT slb-rs-pkt-rate (#PCDATA)>

<!ELEMENT slb-rs-pkts (#PCDATA)>

<!ELEMENT slb-rs-port (#PCDATA)>

<!ELEMENT slb-rs-probe-state (#PCDATA)>

<!ELEMENT slb-rs-protocol (#PCDATA)>

<!ELEMENT slb-rs-ramp-up-time (#PCDATA)>

<!ELEMENT slb-rs-servername (#PCDATA)>

<!ELEMENT slb-rs-spu-active-conn (#PCDATA)>

<!ELEMENT slb-rs-spu-bytes (#PCDATA)>

<!ELEMENT slb-rs-spu-pkts (#PCDATA)>

<!ELEMENT slb-rs-spu-total-conn (#PCDATA)>

<!ELEMENT slb-rs-statistics (slb-rs-servername | slb-rs-total-conn |
slb-rs-active-conn | slb-rs-conn-rate | slb-rs-pkts | slb-rs-pkt-rate |
slb-rs-bytes | slb-rs-byte-rate | slb-rs-spu-total-conn | slb-rs-spu-active-conn
| slb-rs-spu-pkts | slb-rs-spu-bytes | slb-spu-slot | slb-spu-pic |
slb-rs-probe-state | slb-hm-probe-up | slb-hm-probe-down | slb-hm-probe-tx-ok |
slb-hm-probe-tx-err | slb-hm-packet-tx-ok | slb-hm-packet-tx-err |
slb-hm-packet-rx-ok | slb-hm-packet-rx-err)*>

<!ELEMENT slb-rs-total-conn (#PCDATA)>

<!ELEMENT slb-rs-weight (#PCDATA)>

<!ELEMENT slb-rsg-active-conn (#PCDATA)>

<!ELEMENT slb-rsg-algorithm (#PCDATA)>

<!ELEMENT slb-rsg-byte-rate (#PCDATA)>

<!ELEMENT slb-rsg-bytes (#PCDATA)>

<!ELEMENT slb-rsg-conn-rate (#PCDATA)>

<!ELEMENT slb-rsg-ent-statistics (slb-rs-servername | slb-rs-total-conn |
slb-rs-active-conn | slb-rs-pkts | slb-rs-bytes)*>

<!ELEMENT slb-rsg-ext-manager (#PCDATA)>
```



```
<!ELEMENT slb-rsg-information (slb-rsg-servername | slb-rsg-algorithm |
slb-rsg-sticky-mode | slb-routing-instance | slb-rsg-rs-count | slb-hm-rulename
| slb-rsg-ext-manager | slb-rsg-rs-information)*>

<!ELEMENT slb-rsg-pkt-rate (#PCDATA)>

<!ELEMENT slb-rsg-pkts (#PCDATA)>

<!ELEMENT slb-rsg-rs-count (#PCDATA)>

<!ELEMENT slb-rsg-rs-information (slb-rs-servername | slb-rs-ip | slb-rs-protocol
| slb-rs-port | slb-rs-weight | slb-rs-admin-state | slb-rs-hm-state)*>

<!ELEMENT slb-rsg-servername (#PCDATA)>

<!ELEMENT slb-rsg-spu-active-conn (#PCDATA)>

<!ELEMENT slb-rsg-spu-bytes (#PCDATA)>

<!ELEMENT slb-rsg-spu-pkts (#PCDATA)>

<!ELEMENT slb-rsg-spu-total-conn (#PCDATA)>

<!ELEMENT slb-rsg-statistics (slb-rsg-servername | slb-rsg-total-conn |
slb-rsg-active-conn | slb-rsg-conn-rate | slb-rsg-pkts | slb-rsg-pkt-rate |
slb-rsg-bytes | slb-rsg-byte-rate | slb-spu-slot | slb-spu-pic |
slb-rsg-spu-total-conn | slb-rsg-spu-active-conn | slb-rsg-spu-pkts |
slb-rsg-spu-bytes | slb-rsg-ent-statistics)*>

<!ELEMENT slb-rsg-sticky-mode (#PCDATA)>

<!ELEMENT slb-rsg-total-conn (#PCDATA)>

<!ELEMENT slb-sasp-dereg-err (#PCDATA)>

<!ELEMENT slb-sasp-dereg-reply (#PCDATA)>

<!ELEMENT slb-sasp-dereg-req (#PCDATA)>

<!ELEMENT slb-sasp-get-weights-err (#PCDATA)>

<!ELEMENT slb-sasp-get-weights-reply (#PCDATA)>

<!ELEMENT slb-sasp-get-weights-req (#PCDATA)>

<!ELEMENT slb-sasp-reg-err (#PCDATA)>

<!ELEMENT slb-sasp-reg-reply (#PCDATA)>

<!ELEMENT slb-sasp-reg-req (#PCDATA)>

<!ELEMENT slb-sasp-rs-confident-flag (#PCDATA)>

<!ELEMENT slb-sasp-rs-contact-flag (#PCDATA)>

<!ELEMENT slb-sasp-rs-quiesce-flag (#PCDATA)>

<!ELEMENT slb-sasp-rs-registration-flag (#PCDATA)>

<!ELEMENT slb-sasp-rs-weight (#PCDATA)>
```

```
<!ELEMENT slb-sasp-send-weights-err (#PCDATA)>
<!ELEMENT slb-sasp-send-weights-req (#PCDATA)>
<!ELEMENT slb-sasp-set-lb-state-err (#PCDATA)>
<!ELEMENT slb-sasp-set-lb-state-reply (#PCDATA)>
<!ELEMENT slb-sasp-set-lb-state-req (#PCDATA)>
<!ELEMENT slb-sasp-set-mbr-state-err (#PCDATA)>
<!ELEMENT slb-sasp-set-mbr-state-reply (#PCDATA)>
<!ELEMENT slb-sasp-set-mbr-state-req (#PCDATA)>
<!ELEMENT slb-spu-pic (#PCDATA)>
<!ELEMENT slb-spu-slot (#PCDATA)>
<!ELEMENT slb-static-rs-weight (#PCDATA)>
<!ELEMENT slb-sticky-clear (slb-rsg-servername)*>
<!ELEMENT slb-sticky-hits (#PCDATA)>
<!ELEMENT slb-sticky-hits-total (#PCDATA)>
<!ELEMENT slb-sticky-index (#PCDATA)>
<!ELEMENT slb-sticky-information (slb-rsg-servername | slb-spu-slot | slb-spu-pic
| slb-sticky-index | slb-sticky-key | slb-rs-servername | slb-sticky-hits |
slb-sticky-ttl | slb-sticky-rsg-servername | slb-sticky-rs-servername |
slb-sticky-keys-total | slb-sticky-hits-total)*>
<!ELEMENT slb-sticky-key (#PCDATA)>
<!ELEMENT slb-sticky-keys-total (#PCDATA)>
<!ELEMENT slb-sticky-rs-servername (#PCDATA)>
<!ELEMENT slb-sticky-rsg-servername (#PCDATA)>
<!ELEMENT slb-sticky-ttl (#PCDATA)>
<!ELEMENT slb-vs-active-conn (#PCDATA)>
<!ELEMENT slb-vs-admin-state (#PCDATA)>
<!ELEMENT slb-vs-byte-rate (#PCDATA)>
<!ELEMENT slb-vs-bytes (#PCDATA)>
<!ELEMENT slb-vs-conn-rate (#PCDATA)>
<!ELEMENT slb-vs-dropped-conn (#PCDATA)>
<!ELEMENT slb-vs-information (slb-vs-servername | slb-vs-ip | slb-vs-protocol |
slb-vs-port | slb-vs-service-port | slb-vs-ssl-offload | slb-vs-mss |
slb-vs-sack-permitted | slb-vs-wind-scale | slb-vs-nat-mode | slb-routing-instance
| slb-vs-admin-state | slb-vs-op-state | slb-vs-rsg-information)*>
```

```

<!ELEMENT slb-vs-ip (#PCDATA)>

<!ELEMENT slb-vs-mss (#PCDATA)>

<!ELEMENT slb-vs-nat-mode (#PCDATA)>

<!ELEMENT slb-vs-op-state (#PCDATA)>

<!ELEMENT slb-vs-pkt-rate (#PCDATA)>

<!ELEMENT slb-vs-pkts (#PCDATA)>

<!ELEMENT slb-vs-port (#PCDATA)>

<!ELEMENT slb-vs-protocol (#PCDATA)>

<!ELEMENT slb-vs-rsg-information (slb-rsg-servername | slb-rsg-algorithm |
slb-rsg-rs-count)*>

<!ELEMENT slb-vs-sack-permitted (#PCDATA)>

<!ELEMENT slb-vs-servername (#PCDATA)>

<!ELEMENT slb-vs-service-port (#PCDATA)>

<!ELEMENT slb-vs-spu-active-conn (#PCDATA)>

<!ELEMENT slb-vs-spu-bytes (#PCDATA)>

<!ELEMENT slb-vs-spu-drop-misc (#PCDATA)>

<!ELEMENT slb-vs-spu-drop-no-mem (#PCDATA)>

<!ELEMENT slb-vs-spu-drop-no-nh (#PCDATA)>

<!ELEMENT slb-vs-spu-drop-no-rs (#PCDATA)>

<!ELEMENT slb-vs-spu-drop-vs-down (#PCDATA)>

<!ELEMENT slb-vs-spu-pkts (#PCDATA)>

<!ELEMENT slb-vs-spu-total-conn (#PCDATA)>

<!ELEMENT slb-vs-ssl-offload (#PCDATA)>

<!ELEMENT slb-vs-statistics (slb-vs-servername | slb-vs-total-conn |
slb-vs-active-conn | slb-vs-dropped-conn | slb-vs-conn-rate | slb-vs-pkts |
slb-vs-pkt-rate | slb-vs-bytes | slb-vs-byte-rate | slb-vs-spu-total-conn |
slb-vs-spu-active-conn | slb-vs-spu-pkts | slb-vs-spu-bytes |
slb-vs-spu-drop-vs-down | slb-vs-spu-drop-no-rs | slb-vs-spu-drop-no-nh |
slb-vs-spu-drop-no-mem | slb-vs-spu-drop-misc | slb-spu-slot | slb-spu-pic)*>

<!ELEMENT slb-vs-total-conn (#PCDATA)>

<!ELEMENT slb-vs-wind-scale (#PCDATA)>

<!ELEMENT sticky-table-clear (slb-sticky-clear)*>
<!ATTLIST sticky-table-clear junos:style CDATA #IMPLIED>

<!ELEMENT sticky-table-information (slb-sticky-information)*>

```

```
<!--ATTLIST sticky-table-information junos:style CDATA #IMPLIED-->  
  
<!--ELEMENT virtual-server-information (slb-vs-information)*-->  
<!--ATTLIST virtual-server-information junos:style CDATA #IMPLIED-->  
  
<!--ELEMENT virtual-server-statistics-information (slb-vs-statistics)*-->  
<!--ATTLIST virtual-server-statistics-information junos:style CDATA #IMPLIED-->
```

# DTD for SMPL Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-smpl.dtd`, which lists the Junos XML tags that contain information about SMPL. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-smpl.dtd -->

<!ELEMENT smpl-instance-id (#PCDATA)>

<!ELEMENT smpl-instance-input-maximum-packet-length (#PCDATA)>

<!ELEMENT smpl-instance-input-rate (#PCDATA)>

<!ELEMENT smpl-instance-input-run-length (#PCDATA)>

<!ELEMENT smpl-instance-name (#PCDATA)>

<!ELEMENT smpl-instance-nhid-header (#PCDATA)>

<!ELEMENT smpl-instance-state (#PCDATA)>

<!ELEMENT smpl-next-hop-group (smpl-nhgroup)*>

<!ELEMENT smpl-nexthop-index (#PCDATA)>

<!ELEMENT smpl-nhgroup (smpl-nhgroup-member-list | smpl-nhgroup-subgroup |
smpl-nhgroup-name | smpl-nhgroup-type | smpl-nhgroup-state |
smpl-nhgroup-nhid-header | smpl-nhgroup-num-members-configured |
smpl-nhgroup-num-members-up | smpl-nhgroup-subgroups-configured |
smpl-nhgroup-subgroups-up)*>
<!ATTLIST smpl-nhgroup junos:style CDATA #IMPLIED>

<!ELEMENT smpl-nhgroup-member-interface (#PCDATA)>

<!ELEMENT smpl-nhgroup-member-list (smpl-nhgroup-member-interface |
smpl-nhgroup-nexthop-address | smpl-nhgroup-nexthop-state | smpl-nexthop-index)*>

<!ELEMENT smpl-nhgroup-name (#PCDATA)>

<!ELEMENT smpl-nhgroup-nexthop-address (#PCDATA)>

<!ELEMENT smpl-nhgroup-nexthop-state (#PCDATA)>
```

```
<!ELEMENT smpl-nhgroup-nhid-header (#PCDATA)>

<!ELEMENT smpl-nhgroup-num-members-configured (#PCDATA)>

<!ELEMENT smpl-nhgroup-num-members-up (#PCDATA)>

<!ELEMENT smpl-nhgroup-state (#PCDATA)>

<!ELEMENT smpl-nhgroup-subgroup (smpl-nhgroup-name | smpl-nhgroup-state |
smpl-nhgroup-nexthop-state | smpl-nexthop-index | smpl-nhgroup-nhid-header |
smpl-subgroup-num-members-configured | smpl-subgroup-num-members-up |
smpl-subgroup-member-list)*>

<!ELEMENT smpl-nhgroup-subgroups-configured (#PCDATA)>

<!ELEMENT smpl-nhgroup-subgroups-up (#PCDATA)>

<!ELEMENT smpl-nhgroup-type (#PCDATA)>

<!ELEMENT smpl-output-family-destination (#PCDATA)>

<!ELEMENT smpl-output-family-name (#PCDATA)>

<!ELEMENT smpl-output-family-state (#PCDATA)>

<!ELEMENT smpl-port-mirror-output-family-list (smpl-output-family-name |
smpl-output-family-state | smpl-output-family-destination | smpl-nexthop-index |
smpl-nhgroup-member-list)*>

<!ELEMENT smpl-port-mirroring (smpl-port-mirroring-instance)*>

<!ELEMENT smpl-port-mirroring-instance (smpl-port-mirror-output-family-list |
smpl-instance-name | smpl-instance-state | smpl-instance-id |
smpl-instance-input-rate | smpl-instance-input-run-length |
smpl-instance-input-maximum-packet-length | smpl-instance-nhid-header)*>
<!-- ATTENTION: smpl-port-mirroring-instance junos:style CDATA #IMPLIED -->

<!ELEMENT smpl-subgroup-member-list (smpl-nhgroup-member-interface |
smpl-nhgroup-nexthop-address | smpl-nhgroup-nexthop-state | smpl-nexthop-index)*>

<!ELEMENT smpl-subgroup-num-members-configured (#PCDATA)>

<!ELEMENT smpl-subgroup-num-members-up (#PCDATA)>
```

## CHAPTER 88

# DTD for SNMP Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-snmp.dtd`, which lists the Junos XML tags that contain information about SNMP. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-snmp.dtd -->

<!ELEMENT address (#PCDATA)>

<!ELEMENT alarm-creator (#PCDATA)>

<!ELEMENT alarm-index (#PCDATA)>

<!ELEMENT alarm-interval (#PCDATA)>

<!ELEMENT alarm-owner (#PCDATA)>

<!ELEMENT alarm-state (#PCDATA)>

<!ELEMENT alarm-subtag (#PCDATA)>

<!ELEMENT alarm-value (#PCDATA)>

<!ELEMENT asn-parse-errors (#PCDATA)>

<!ELEMENT auth-type (#PCDATA)>

<!ELEMENT bad-community-names (#PCDATA)>

<!ELEMENT bad-community-uses (#PCDATA)>

<!ELEMENT bad-values (#PCDATA)>

<!ELEMENT bad-versions (#PCDATA)>

<!ELEMENT commit-pending-drops (#PCDATA)>

<!ELEMENT community (#PCDATA)>

<!ELEMENT community-index (#PCDATA)>

<!ELEMENT context-match (#PCDATA)>
```

```
<!ELEMENT context-name (#PCDATA)>

<!ELEMENT context-prefix (#PCDATA)>

<!ELEMENT current-queued (#PCDATA)>

<!ELEMENT current-throttled (#PCDATA)>

<!ELEMENT currently-active (#PCDATA)>

<!ELEMENT decrypt-errors (#PCDATA)>

<!ELEMENT duplicate-request-drops (#PCDATA)>

<!ELEMENT engine-boots (#PCDATA)>

<!ELEMENT engine-id (#PCDATA)>

<!ELEMENT engine-time (#PCDATA)>

<!ELEMENT error (#PCDATA)>

<!ELEMENT event-creator (#PCDATA)>

<!ELEMENT event-descr (#PCDATA)>

<!ELEMENT event-index (#PCDATA)>

<!ELEMENT event-owner (#PCDATA)>

<!ELEMENT event-state (#PCDATA)>

<!ELEMENT event-type (#PCDATA)>

<!ELEMENT falling-event-index (#PCDATA)>

<!ELEMENT falling-threshold (#PCDATA)>

<!ELEMENT filter-name (#PCDATA)>

<!ELEMENT filter-type (#PCDATA)>

<!ELEMENT general-errors (#PCDATA)>

<!ELEMENT get-nexts (#PCDATA)>

<!ELEMENT get-requests (#PCDATA)>

<!ELEMENT get-responses (#PCDATA)>

<!ELEMENT group-deregisters (#PCDATA)>

<!ELEMENT group-name (#PCDATA)>

<!ELEMENT group-registers (#PCDATA)>

<!ELEMENT group-removes (#PCDATA)>

<!ELEMENT health-monitor-information (rmon-alarm-information | rmon-log-information
| rmon-history-information)*>
```



```
<!ELEMENT history-index (#PCDATA)>

<!ELEMENT history-interface (#PCDATA)>

<!ELEMENT history-interval (#PCDATA)>

<!ELEMENT history-owner (#PCDATA)>

<!ELEMENT history-requested-buckets (#PCDATA)>

<!ELEMENT history-sample (history-sample-index | history-sample-start-time |
history-sample-drop-events | history-sample-octect | history-sample-packets |
history-sample-broadcast-packets | history-sample-multicast-packets |
history-sample-crc-errors | history-sample-undersize-packets |
history-sample-oversize-packets | history-sample-fragments | history-sample-jabbers
| history-sample-collisions | history-sample-utilization)*>

<!ELEMENT history-sample-broadcast-packets (#PCDATA)>

<!ELEMENT history-sample-collisions (#PCDATA)>

<!ELEMENT history-sample-crc-errors (#PCDATA)>

<!ELEMENT history-sample-drop-events (#PCDATA)>

<!ELEMENT history-sample-fragments (#PCDATA)>

<!ELEMENT history-sample-index (#PCDATA)>

<!ELEMENT history-sample-jabbers (#PCDATA)>

<!ELEMENT history-sample-multicast-packets (#PCDATA)>

<!ELEMENT history-sample-octect (#PCDATA)>

<!ELEMENT history-sample-oversize-packets (#PCDATA)>

<!ELEMENT history-sample-packets (#PCDATA)>

<!ELEMENT history-sample-start-time (#PCDATA)>

<!ELEMENT history-sample-undersize-packets (#PCDATA)>

<!ELEMENT history-sample-utilization (#PCDATA)>

<!ELEMENT history-status (#PCDATA)>

<!ELEMENT index (index-name | index-value)*>

<!ELEMENT index-name (#PCDATA)>

<!ELEMENT index-value (#PCDATA)>

<!ELEMENT inst-description (#PCDATA)>

<!ELEMENT inst-state (#PCDATA)>

<!ELEMENT inst-value (#PCDATA)>

<!ELEMENT inst-var-name (#PCDATA)>
```

```
<!ELEMENT invalid-msgs (#PCDATA)>

<!ELEMENT last-time-sent (#PCDATA)>
<!ATTLIST last-time-sent junos:seconds CDATA #IMPLIED>

<!ELEMENT max-active (#PCDATA)>

<!ELEMENT max-latency (#PCDATA)>

<!ELEMENT max-msg-size (#PCDATA)>

<!ELEMENT name (#PCDATA)>

<!ELEMENT no-such-names (#PCDATA)>

<!ELEMENT not-found (#PCDATA)>

<!ELEMENT not-in-timewindows (#PCDATA)>

<!ELEMENT notify-filter-name (#PCDATA)>

<!ELEMENT notify-name (#PCDATA)>

<!ELEMENT notify-tag (#PCDATA)>

<!ELEMENT notify-type (#PCDATA)>

<!ELEMENT notify-view (#PCDATA)>

<!ELEMENT nvs-commit-failures (#PCDATA)>

<!ELEMENT nvs-commit-pending (#PCDATA)>

<!ELEMENT nvs-conflock-failures (#PCDATA)>

<!ELEMENT nvs-journal-write-failures (#PCDATA)>

<!ELEMENT nvs-mgd-connect-failures (#PCDATA)>

<!ELEMENT nvs-rpc-mgd-failures (#PCDATA)>

<!ELEMENT object-value (#PCDATA)>

<!ELEMENT object-value-type (#PCDATA)>

<!ELEMENT oid (#PCDATA)>

<!ELEMENT packets (#PCDATA)>

<!ELEMENT port (#PCDATA)>

<!ELEMENT priv-type (#PCDATA)>

<!ELEMENT proxy-drops (#PCDATA)>

<!ELEMENT read-onlys (#PCDATA)>

<!ELEMENT read-view (#PCDATA)>

<!ELEMENT rising-event-index (#PCDATA)>
```

```

<!ELEMENT rising-threshold (#PCDATA)>

<!ELEMENT rmon-alarm (alarm-index | var-name | var-oid | sample-type | alarm-value
| startup | alarm-interval | rising-threshold | falling-threshold |
rising-event-index | falling-event-index | alarm-owner | alarm-subtag |
alarm-creator | alarm-state | rmon-alarm-instance-information)*>

<!ELEMENT rmon-alarm-information (rmon-alarm)*>
<!ATTLIST rmon-alarm-information junos:style CDATA #IMPLIED>

<!ELEMENT rmon-alarm-instance (inst-var-name | inst-description | inst-value |
inst-state)*>

<!ELEMENT rmon-alarm-instance-information (rmon-alarm-instance)*>

<!ELEMENT rmon-event (event-index | event-descr | event-type | community |
last-time-sent | event-owner | event-creator | event-state)*>

<!ELEMENT rmon-event-information (rmon-event)*>
<!ATTLIST rmon-event-information junos:style CDATA #IMPLIED>

<!ELEMENT rmon-history (history-index | history-interface |
history-requested-buckets | history-interval | history-owner | history-status)*>

<!ELEMENT rmon-history-information (rmon-history | history-sample)*>

<!ELEMENT rmon-information (rmon-alarm-information | rmon-event-information |
rmon-history-information)*>

<!ELEMENT rmon-log (rmon-log-event-index | rmon-log-index | rmon-log-descr |
rmon-log-time)*>

<!ELEMENT rmon-log-descr (#PCDATA)>

<!ELEMENT rmon-log-event-index (#PCDATA)>

<!ELEMENT rmon-log-index (#PCDATA)>

<!ELEMENT rmon-log-information (rmon-log)*>

<!ELEMENT rmon-log-time (#PCDATA)>
<!ATTLIST rmon-log-time junos:seconds CDATA #IMPLIED>

<!ELEMENT row-status (#PCDATA)>

<!ELEMENT sample-type (#PCDATA)>

<!ELEMENT security-level (#PCDATA)>

<!ELEMENT security-model (#PCDATA)>

<!ELEMENT security-name (#PCDATA)>

<!ELEMENT set-requests (#PCDATA)>

<!ELEMENT silent-drops (#PCDATA)>

<!ELEMENT snmp-generate-trap-result (#PCDATA)>

<!ELEMENT snmp-generate-trap-results (snmp-generate-trap-result)*>

```

```
<!ELEMENT snmp-input-statistics (packets | bad-versions | bad-community-names |
bad-community-uses | asn-parse-errors | too-bigs | no-such-names | bad-values |
read-onlys | general-errors | total-request-varbinds | total-set-varbinds |
get-requests | get-nexts | set-requests | get-responses | traps | silent-drops |
proxy-drops | throttle-drops | commit-pending-drops | duplicate-request-drops)*>

<!ELEMENT snmp-object (name | index | oid | object-value | object-value-type |
error)*>

<!ELEMENT snmp-object-information (snmp-object | snmp-request-error)*>

<!ELEMENT snmp-output-statistics (packets | too-bigs | no-such-names | bad-values
| general-errors | get-requests | get-nexts | set-requests | get-responses |
traps)*>

<!ELEMENT snmp-req-error-value (#PCDATA)>

<!ELEMENT snmp-request-error (snmp-req-error-value)*>

<!ELEMENT snmp-set-stats (nvs-commit-pending | nvs-conflock-failures |
nvs-rpc-mgd-failures | nvs-journal-write-failures | nvs-mgd-connect-failures |
nvs-commit-failures)*>

<!ELEMENT snmp-spoof-trap-result (#PCDATA)>

<!ELEMENT snmp-spoof-trap-results (snmp-spoof-trap-result | snmp-spoofable-traps)*>

<!ELEMENT snmp-spoofable-traps (#PCDATA)>

<!ELEMENT snmp-statistics (snmp-input-statistics | snmp-v3-input-statistics |
snmp-output-statistics | sub-agent-control-blocks | sub-agent-registration |
trap-queue-stats | trap-throttle-stats | snmp-set-stats)*>

<!ELEMENT snmp-v3-access (group-name | context-prefix | security-model |
security-level | context-match | read-view | write-view | notify-view |
storage-type | row-status)*>

<!ELEMENT snmp-v3-access-information (snmp-v3-access)*>
<ATTLIST snmp-v3-access-information junos:style CDATA #IMPLIED>

<!ELEMENT snmp-v3-community (community-index | security-name | context-name |
transport-tag | storage-type | row-status)*>

<!ELEMENT snmp-v3-community-information (snmp-v3-community)*>

<!ELEMENT snmp-v3-engine-information (engine-id | engine-boots | engine-time |
max-msg-size)*>

<!ELEMENT snmp-v3-general-information (snmp-v3-engine-information)*>

<!ELEMENT snmp-v3-group (group-name | security-model | security-name | storage-type
| row-status)*>

<!ELEMENT snmp-v3-group-information (snmp-v3-group)*>

<!ELEMENT snmp-v3-information (snmp-v3-general-information |
snmp-v3-usm-user-information | snmp-v3-group-information |
snmp-v3-access-information | snmp-v3-target-information |
snmp-v3-notify-information | snmp-v3-notify-filter-information |
snmp-v3-community-information)*>
```

```

<!ELEMENT snmp-v3-input-statistics (unknown-secmodels | invalid-msgs |
unknown-pduhandlers | unavail-contexts | unknown-contexts | unsupported-secllevels
| not-in-timewindows | unknown-usernames | unknown-eids | wrong-digests |
decrypt-errors)*>

<!ELEMENT snmp-v3-notify (notify-name | notify-tag | notify-type | storage-type
| row-status)*>

<!ELEMENT snmp-v3-notify-filter (filter-name | subtree | filter-type | storage-type
| row-status)*>

<!ELEMENT snmp-v3-notify-filter-information (snmp-v3-notify-filter)*>

<!ELEMENT snmp-v3-notify-information (snmp-v3-notify)*>

<!ELEMENT snmp-v3-target-address-information (snmp-v3-target_address)*>

<!ELEMENT snmp-v3-target-information (snmp-v3-target-address-information |
snmp-v3-target-parameters-information)*>

<!ELEMENT snmp-v3-target-parameters-information (snmp-v3-target_parameters)*>

<!ELEMENT snmp-v3-target_address (target-address-name | address | port |
target-parameters-name | storage-type | row-status)*>

<!ELEMENT snmp-v3-target_parameters (target-parameters-name | security-name |
security-model | security-level | notify-filter-name | storage-type | row-status)*>

<!ELEMENT snmp-v3-usm-user (user-name | auth-type | priv-type | storage-type |
row-status)*>

<!ELEMENT snmp-v3-usm-user-engine-id (user-engine-id)*>

<!ELEMENT snmp-v3-usm-user-information (snmp-v3-usm-user-engine-id |
snmp-v3-usm-user)*>

<!ELEMENT startup (#PCDATA)>

<!ELEMENT storage-type (#PCDATA)>

<!ELEMENT sub-agent-control-blocks (total | currently-active | max-active |
not-found | timed-out | max-latency)*>

<!ELEMENT sub-agent-registration (group-registers | group-deregisters |
group-removes)*>

<!ELEMENT subtree (#PCDATA)>

<!ELEMENT target-address-name (#PCDATA)>

<!ELEMENT target-parameters-name (#PCDATA)>

<!ELEMENT throttle-drops (#PCDATA)>

<!ELEMENT timed-out (#PCDATA)>

<!ELEMENT too-bigs (#PCDATA)>

<!ELEMENT total (#PCDATA)>

```

```
<!ELEMENT total-discards (#PCDATA)>
<!ELEMENT total-overflows (#PCDATA)>
<!ELEMENT total-queued (#PCDATA)>
<!ELEMENT total-request-varbinds (#PCDATA)>
<!ELEMENT total-set-varbinds (#PCDATA)>
<!ELEMENT total-throttles (#PCDATA)>
<!ELEMENT transport-tag (#PCDATA)>
<!ELEMENT trap-queue-stats (current-queued | total-queued | total-discards |
total-overflows)*>
<!ELEMENT trap-throttle-stats (current-throttled | total-throttles)*>
<!ELEMENT traps (#PCDATA)>
<!ELEMENT unavail-contexts (#PCDATA)>
<!ELEMENT unknown-contexts (#PCDATA)>
<!ELEMENT unknown-eids (#PCDATA)>
<!ELEMENT unknown-pduhandlers (#PCDATA)>
<!ELEMENT unknown-secmodels (#PCDATA)>
<!ELEMENT unknown-username (#PCDATA)>
<!ELEMENT unsupported-seclevels (#PCDATA)>
<!ELEMENT user-engine-id (#PCDATA)>
<!ELEMENT user-name (#PCDATA)>
<!ELEMENT var-name (#PCDATA)>
<!ELEMENT var-oid (#PCDATA)>
<!ELEMENT write-view (#PCDATA)>
<!ELEMENT wrong-digests (#PCDATA)>
```

## CHAPTER 89

# DTD for Static Subscribers Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-static-subscribers.dtd`, which lists the Junos XML tags that contain information about static subscribers. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-static-subscribers.dtd -->

<!ELEMENT failure (#PCDATA)>

<!ELEMENT group (#PCDATA)>

<!ELEMENT interface (#PCDATA)>

<!ELEMENT results (success | failure)*>
<!-- ATTENTION: junos:style CDATA #IMPLIED -->

<!ELEMENT state (#PCDATA)>

<!ELEMENT static-subscribers-information (results | subscriber-session)*>

<!ELEMENT subscriber-session (username | interface | group | state)*>

<!ELEMENT success EMPTY>

<!ELEMENT username (#PCDATA)>
```





## CHAPTER 90

# DTD for Statistics Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-statistics.dtd`, which lists the Junos XML tags that contain information about Junos statistics. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-statistics.dtd -->

<!ELEMENT aborted (#PCDATA)>

<!ELEMENT ack-header-predictions (#PCDATA)>

<!ELEMENT acks-bytes (#PCDATA)>

<!ELEMENT acks-received (#PCDATA)>

<!ELEMENT acks-sent (#PCDATA)>

<!ELEMENT acks-sent-in-response-but-not-exact-rsts (#PCDATA)>

<!ELEMENT acks-sent-in-response-to-syns-on-established-connections (#PCDATA)>

<!ELEMENT acquire (#PCDATA)>

<!ELEMENT add (#PCDATA)>

<!ELEMENT address-fields-were-not-reasonable (#PCDATA)>

<!ELEMENT address-mask-reply (#PCDATA)>

<!ELEMENT address-mask-request (#PCDATA)>

<!ELEMENT address-scope (#PCDATA)>

<!ELEMENT address-unreachable (#PCDATA)>

<!ELEMENT administratively-prohibited (#PCDATA)>

<!ELEMENT after-tagging-packets-can-not-fit-link-mtu (#PCDATA)>

<!ELEMENT aging-acks-from-pfe (#PCDATA)>

<!ELEMENT aging-non-acks-from-pfe (#PCDATA)>
```

```
<!ELEMENT aging-requests-over-max-rate (#PCDATA)>

<!ELEMENT aging-requests-timed-out-waiting-on-fes (#PCDATA)>

<!ELEMENT ahnames-aes-xcbc-mac (#PCDATA)>

<!ELEMENT ahnames-hmac-md5 (#PCDATA)>

<!ELEMENT ahnames-hmac-ripemd160 (#PCDATA)>

<!ELEMENT ahnames-hmac-sha1 (#PCDATA)>

<!ELEMENT ahnames-hmac-sha2-256 (#PCDATA)>

<!ELEMENT ahnames-hmac-sha2-384 (#PCDATA)>

<!ELEMENT ahnames-hmac-sha2-512 (#PCDATA)>

<!ELEMENT ahnames-md5 (#PCDATA)>

<!ELEMENT ahnames-none (#PCDATA)>

<!ELEMENT ahnames-null (#PCDATA)>

<!ELEMENT ahnames-sha (#PCDATA)>

<!ELEMENT arp (datagrams-received | arp-requests-received | arp-replies-received
| resolution-request-received | unrestricted-proxy-requests |
restricted-proxy-requests | received-proxy-requests | proxy-requests-not-proxied
| restricted-proxy-requests-not-proxied | datagrams-with-bogus-interface |
datagrams-with-incorrect-length | datagrams-for-non-ip-protocol |
datagrams-with-unsupported-opcode | datagrams-with-bad-protocol-address-length |
datagrams-with-bad-hardware-address-length |
datagrams-with-multicast-source-address | datagrams-with-multicast-target-address
| datagrams-with-my-own-hardware-address |
datagrams-for-an-address-not-on-the-interface |
datagrams-with-a-broadcast-source-address |
datagrams-with-source-address-duplicate-to-me | datagrams-which-were-not-for-me
| packets-discarded-waiting-for-resolution |
packets-sent-after-waiting-for-resolution | arp-requests-sent | arp-replies-sent
| requests-for-memory-denied | requests-dropped-on-entry |
requests-dropped-during-retry | requests-dropped-due-to-interface-deletion |
requests-on-unnumbered-interfaces | new-requests-on-unnumbered-interfaces |
replies-from-unnumbered-interfaces |
requests-on-unnumbered-interface-with-non-subnetted-donor |
replies-from-unnumbered-interface-with-non-subnetted-donor)*>

<!ELEMENT arp-13-packets-received (#PCDATA)>

<!ELEMENT arp-replies-received (#PCDATA)>

<!ELEMENT arp-replies-sent (#PCDATA)>

<!ELEMENT arp-requests-received (#PCDATA)>

<!ELEMENT arp-requests-sent (#PCDATA)>

<!ELEMENT attempts (#PCDATA)>

<!ELEMENT bad-checksums (#PCDATA)>
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<!ELEMENT bad-connection-attempts (#PCDATA)>

<!ELEMENT bad-header-checksums (#PCDATA)>

<!ELEMENT bad-version-packets (#PCDATA)>

<!ELEMENT badack (#PCDATA)>

<!ELEMENT beyond-scope (#PCDATA)>

<!ELEMENT blocked-ifl-discards (#PCDATA)>

<!ELEMENT bogus-address-in-aging-requests (#PCDATA)>

<!ELEMENT bridge (heading | bridge-packets-received | bridge-packets-forwarded |
  packets-failed-to-forward | bridge-packets-dropped |
  packets-with-vmember-lookup-failures | packets-with-vlan-lookup-failures |
  packets-with-stp-state-lookup-failures |
  packets-dropped-due-to-stp-blocked-or-listening |
  packets-dropped-due-to-stp-learning | packets-with-src-mac-learning-failures |
  packets-with-input-control-processing-failures | packets-sent-successfully |
  packets-with-send-failures | packets-forwarded-to-l3-interface |
  packets-with-l3-send-failures | packets-discarded |
  packets-with-l2-ifl-store-failures | packets-with-ifl-mismatch-failures |
  packets-with-packet-duplication-failures | packets-with-tag-lookup-failures |
  packets-with-no-route-for-dmac | packets-with-no-route-table |
  packets-with-no-nexthop | packets-with-dead-nexthop |
  packets-with-eof-reached-error | macs-learned | packets-sent-to-l3-interface |
  packets-hit-hold-queue-while-learning | mac-moves | packets-with-no-route-for-smac
  | packets-dropped-due-to-no-resolve-route | packets-with-l3-ifd-lookup-failures
  | packets-with-l3-ifl-lookup-failures | packets-with-l3-invalid-rnh |
  packets-with-no-route-for-smac-in-clone-learning |
  packets-with-no-nexthop-in-clone-learning |
  packets-with-dead-nexthop-in-clone-learning |
  packets-dropped-due-to-no-resolve-nh-in-clone-learning |
  packets-dropped-due-to-interface-down | packets-with-dev-output-failures |
  blocked-ifl-discards | packets-with-tag-insertion-failures |
  packets-with-tag-removal-failures | packets-flooded | flood-failures |
  packets-with-mpull-failures | packets-with-ifl-lookup-failures |
  bridge-packets-with-size-smaller-than-minimum | packets-with-double-tags |
  packets-with-no-ifl | packets-with-no-family)*>

<!ELEMENT bridge-packets-dropped (#PCDATA)>

<!ELEMENT bridge-packets-forwarded (#PCDATA)>

<!ELEMENT bridge-packets-received (#PCDATA)>

<!ELEMENT bridge-packets-with-size-smaller-than-minimum (#PCDATA)>

<!ELEMENT broadcast-or-multicast-datagrams-dropped-due-to-no-socket (#PCDATA)>

<!ELEMENT broadcast-packets-received (#PCDATA)>

<!ELEMENT broadcast-packets-sent (#PCDATA)>

<!ELEMENT bucket-overflow (#PCDATA)>

<!ELEMENT byte-retransmits (#PCDATA)>

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<!ELEMENT bytes (#PCDATA)>

<!ELEMENT bytes-sent-from-userland (#PCDATA)>

<!ELEMENT bytes-sent-to-userland (#PCDATA)>

<!ELEMENT cache-overflow (#PCDATA)>

<!ELEMENT calls-to-icmp-error (#PCDATA)>

<!ELEMENT calls-to-icmp6-error (#PCDATA)>

<!ELEMENT cIn1 (total-cIn1-packets-received | packets-delivered | too-small-packets
| packets-with-bad-header-length | packets-with-bad-checksum | bad-version-packets
| unknown-or-unsupported-protocol-packets | packets-with-bogus-sdl-size |
no-free-memory-in-socket-buffer | send-packets-discarded | sbappend-failure |
mcopy-failure | address-fields-were-not-reasonable | segment-information-forgotten
| forwarded-packets | total-packets-sent | output-packets-discarded |
non-forwarded-packets | packets-fragmented | fragments-sent | fragments-discarded
| fragments-timed-out | fragmentation-prohibited | packets-reconstructed |
packets-destined-to-dead-nexthop | packets-discarded-due-to-no-route |
error-pdu-rate-drops | er-pdu-generation-failure)*>

<!ELEMENT cInp-13-packets-received (#PCDATA)>

<!ELEMENT closes (#PCDATA)>

<!ELEMENT completed (#PCDATA)>

<!ELEMENT compnames-deflate (#PCDATA)>

<!ELEMENT compnames-lzs (#PCDATA)>

<!ELEMENT compnames-none (#PCDATA)>

<!ELEMENT compnames-oui (#PCDATA)>

<!ELEMENT connection-accepts (#PCDATA)>

<!ELEMENT connection-requests (#PCDATA)>

<!ELEMENT connections-closed (#PCDATA)>

<!ELEMENT connections-dropped-by-persist-timeout (#PCDATA)>

<!ELEMENT connections-dropped-by-retransmit-timeout (#PCDATA)>

<!ELEMENT connections-established (#PCDATA)>

<!ELEMENT connections-updated-rtt-on-close (#PCDATA)>

<!ELEMENT connections-updated-ssthresh-on-close (#PCDATA)>

<!ELEMENT connections-updated-variance-on-close (#PCDATA)>

<!ELEMENT connects (#PCDATA)>

<!ELEMENT control-packets-received (#PCDATA)>

<!ELEMENT control-packets-sent (#PCDATA)>
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<!ELEMENT cookies-received (#PCDATA)>
<!ELEMENT cookies-sent (#PCDATA)>
<!ELEMENT cyclotron-cycle-13-packets-received (#PCDATA)>
<!ELEMENT cyclotron-send-13-packets-received (#PCDATA)>
<!ELEMENT data-packet-header-predictions (#PCDATA)>
<!ELEMENT data-packets-bytes (#PCDATA)>
<!ELEMENT datagrams-delivered (#PCDATA)>
<!ELEMENT datagrams-dropped-due-to-full-socket-buffers (#PCDATA)>
<!ELEMENT datagrams-dropped-due-to-no-socket (#PCDATA)>
<!ELEMENT datagrams-for-an-address-not-on-the-interface (#PCDATA)>
<!ELEMENT datagrams-for-non-ip-protocol (#PCDATA)>
<!ELEMENT datagrams-not-for-hashed-pcb (#PCDATA)>
<!ELEMENT datagrams-output (#PCDATA)>
<!ELEMENT datagrams-received (#PCDATA)>
<!ELEMENT datagrams-that-can-not-be-fragmented (#PCDATA)>
<!ELEMENT datagrams-which-were-not-for-me (#PCDATA)>
<!ELEMENT datagrams-with-a-broadcast-source-address (#PCDATA)>
<!ELEMENT datagrams-with-bad-checksum (#PCDATA)>
<!ELEMENT datagrams-with-bad-data-length-field (#PCDATA)>
<!ELEMENT datagrams-with-bad-data-length-field (#PCDATA)>
<!ELEMENT datagrams-with-bad-hardware-address-length (#PCDATA)>
<!ELEMENT datagrams-with-bad-protocol-address-length (#PCDATA)>
<!ELEMENT datagrams-with-bogus-interface (#PCDATA)>
<!ELEMENT datagrams-with-incomplete-header (#PCDATA)>
<!ELEMENT datagrams-with-incorrect-length (#PCDATA)>
<!ELEMENT datagrams-with-multicast-source-address (#PCDATA)>
<!ELEMENT datagrams-with-multicast-target-address (#PCDATA)>
<!ELEMENT datagrams-with-my-own-hardware-address (#PCDATA)>
<!ELEMENT datagrams-with-source-address-duplicate-to-mine (#PCDATA)>
<!ELEMENT datagrams-with-unsupported-opcode (#PCDATA)>
<!ELEMENT delete (#PCDATA)>
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<!ELEMENT delivered (#PCDATA)>

<!ELEMENT destination-unreachable (#PCDATA)>

<!ELEMENT dialer-packets-received (#PCDATA)>

<!ELEMENT dialer-packets-transmitted (#PCDATA)>

<!ELEMENT dropped (#PCDATA)>

<!ELEMENT drops (#PCDATA)>

<!ELEMENT drops-due-to-rate-limit (#PCDATA)>

<!ELEMENT dump (#PCDATA)>

<!ELEMENT duplicate-in-bytes (#PCDATA)>

<!ELEMENT duplicate-or-out-of-space-fragments-dropped (#PCDATA)>

<!ELEMENT dupsyn (#PCDATA)>

<!ELEMENT echo-drops-with-broadcast-or-multicast-destinaton-address (#PCDATA)>

<!ELEMENT embryonic-connections-dropped (#PCDATA)>

<!ELEMENT er-pdu-generation-failure (#PCDATA)>

<!ELEMENT erroneous-header-field (#PCDATA)>

<!ELEMENT error-pdu-rate-drops (#PCDATA)>

<!ELEMENT errors-finding-peer-fes (#PCDATA)>

<!ELEMENT errors-not-generated-because-old-message-was-icmp (#PCDATA)>

<!ELEMENT errors-not-generated-because-old-message-was-icmp-error (#PCDATA)>

<!ELEMENT errors-not-generated-because-rate-limitation (#PCDATA)>

<!ELEMENT esis (total-esis-packets-received | total-packets-consumed-by-protocol
| pdu-received-with-bad-checksum | pdu-received-with-bad-version-number |
pdu-received-with-bad-type-field | short-pdus-received | pdu-with-bogus-sdl-size
| pdu-with-bad-header-length | pdu-with-unknown-or-unsupport-protocol |
no-free-memory-in-socket-buffer | send-packets-discarded | sbappend-failure |
mcopy-failure | iso-family-not-configured)*>

<!ELEMENT espnames-3des-cbc (#PCDATA)>

<!ELEMENT espnames-aes-ctr (#PCDATA)>

<!ELEMENT espnames-blowfish-cbc (#PCDATA)>

<!ELEMENT espnames-cast128-cbc (#PCDATA)>

<!ELEMENT espnames-des-cbc (#PCDATA)>

<!ELEMENT espnames-none (#PCDATA)>

<!ELEMENT espnames-null (#PCDATA)>
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<!ELEMENT espnames-rijndael-cbc (#PCDATA)>

<!ELEMENT ethoamcfm (total-packets-received |
input-packets-drop-bad-interface-state | received-packets-forwarded |
total-packets-transmitted | packets-sent | output-packets-drop-bad-interface-state
| flood-requests-forwarded-to-pfe | flood-requests-dropped)*>

<!ELEMENT ethoamlfm (total-packets-received |
input-packets-drop-bad-interface-state | received-packets-forwarded |
total-packets-transmitted | packets-sent |
output-packets-drop-bad-interface-state)*>

<!ELEMENT expire (#PCDATA)>

<!ELEMENT faboam-packets-dropped (#PCDATA)>

<!ELEMENT faboam-packets-received (#PCDATA)>

<!ELEMENT faboam-packets-transmitted (#PCDATA)>

<!ELEMENT failures-of-source-address-selection (#PCDATA)>

<!ELEMENT flood-failures (#PCDATA)>

<!ELEMENT flood-requests-dropped (#PCDATA)>

<!ELEMENT flood-requests-forwarded-to-pfe (#PCDATA)>

<!ELEMENT flush (#PCDATA)>

<!ELEMENT forward-cache-hit (#PCDATA)>

<!ELEMENT forward-cache-miss (#PCDATA)>

<!ELEMENT forwarded-packets (#PCDATA)>

<!ELEMENT fragment-reassembly-queue-flushes (#PCDATA)>

<!ELEMENT fragmentation-prohibited (#PCDATA)>

<!ELEMENT fragmented-packets-received (#PCDATA)>

<!ELEMENT fragmented-packets-sent (#PCDATA)>

<!ELEMENT fragments-created (#PCDATA)>

<!ELEMENT fragments-discarded (#PCDATA)>

<!ELEMENT fragments-dropped-after-timeout (#PCDATA)>

<!ELEMENT fragments-dropped-due-to-outofspace-or-dup (#PCDATA)>

<!ELEMENT fragments-dropped-due-to-over-limit (#PCDATA)>

<!ELEMENT fragments-dropped-due-to-queueoverflow (#PCDATA)>

<!ELEMENT fragments-received (#PCDATA)>

<!ELEMENT fragments-sent (#PCDATA)>
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<!ELEMENT fragments-that-exceeded-limit (#PCDATA)>

<!ELEMENT fragments-timed-out (#PCDATA)>

<!ELEMENT get (#PCDATA)>

<!ELEMENT getspi (#PCDATA)>

<!ELEMENT globals (#PCDATA)>

<!ELEMENT header-for-source-address-selection (#PCDATA)>

<!ELEMENT heading (#PCDATA)>

<!ELEMENT hello-packets-received (#PCDATA)>

<!ELEMENT hello-packets-sent (#PCDATA)>

<!ELEMENT hex-value (#PCDATA)>

<!ELEMENT histogram (type-of-histogram | icmp-echo-reply | destination-unreachable
| source-quench | routing-redirect | icmp-echo | router-advertisement |
router-solicitation | time-exceeded | parameter-problem | time-stamp |
time-stamp-reply | information-request | information-request-reply |
address-mask-request | address-mask-reply)*>

<!ELEMENT histogram-of-error-messages-to-be-generated (#PCDATA)>

<!ELEMENT icmp (drops-due-to-rate-limit | calls-to-icmp-error |
errors-not-generated-because-old-message-was-icmp | histogram |
messages-with-bad-code-fields | messages-less-than-the-minimum-length |
messages-with-bad-checksum | messages-with-bad-source-address |
messages-with-bad-length |
echo-drops-with-broadcast-or-multicast-destination-address |
timestamp-drops-with-broadcast-or-multicast-destination-address |
message-responses-generated)*>

<!ELEMENT icmp-echo (#PCDATA)>

<!ELEMENT icmp-echo-reply (#PCDATA)>

<!ELEMENT icmp-packets-ignored (#PCDATA)>

<!ELEMENT icmp6 (calls-to-icmp6-error |
errors-not-generated-because-old-message-was-icmp-error |
errors-not-generated-because-rate-limitation | histogram |
unreachable-icmp6-packets | packet-too-big | time-exceeded-icmp6-packets |
parameter-problem-icmp6-packets | icmp6-echo | icmp6-echo-reply |
multicast-listener-query | multicast-listener-report | multicast-listener-done |
router-solicitation-icmp6-packets | router-advertisement-icmp6-packets |
neighbor-solicitation | neighbor-advertisement | redirect | router-renumbering |
node-information-request | node-information-reply |
icmp6-messages-with-bad-code-fields | messages-less-than-minimum-length |
bad-checksums | icmp6-messages-with-bad-length |
histogram-of-error-messages-to-be-generated | no-route |
administratively-prohibited | beyond-scope | address-unreachable | port-unreachable
| time-exceed-transit | time-exceed-reassembly | erroneous-header-field |
unrecognized-next-header | unrecognized-option | unknown |
icmp6-message-responses-generated | messages-with-too-many-nd-options)*>

<!ELEMENT icmp6-echo (#PCDATA)>
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<!ELEMENT icmp6-echo-reply (#PCDATA)>

<!ELEMENT icmp6-message-responses-generated (#PCDATA)>

<!ELEMENT icmp6-messages-with-bad-code-fields (#PCDATA)>

<!ELEMENT icmp6-messages-with-bad-length (#PCDATA)>

<!ELEMENT igmp (messages-received | messages-received-with-too-few-bytes |
messages-received-with-bad-checksum | membership-queries-received |
membership-queries-received-with-invalid-fields | membership-reports-received |
membership-reports-received-with-invalid-fields |
membership-reports-received-for-groups-to-which-we-belong |
membership-reports-sent)*>

<!ELEMENT igmp12-packets-received (#PCDATA)>

<!ELEMENT igmp12-packets-transmitted (#PCDATA)>

<!ELEMENT in-sequence-bytes (#PCDATA)>

<!ELEMENT inbound-esp-packets-considered-authentic (#PCDATA)>

<!ELEMENT inbound-esp-packets-failed-on-authentication (#PCDATA)>

<!ELEMENT inbound-packets-considered-authentic (#PCDATA)>

<!ELEMENT inbound-packets-failed-due-to-insufficient-memory (#PCDATA)>

<!ELEMENT inbound-packets-failed-getting-spi (#PCDATA)>

<!ELEMENT inbound-packets-failed-on-ah-replay-check (#PCDATA)>

<!ELEMENT inbound-packets-failed-on-authentication (#PCDATA)>

<!ELEMENT inbound-packets-failed-on-esp-replay-check (#PCDATA)>

<!ELEMENT inbound-packets-processed-successfully (#PCDATA)>

<!ELEMENT inbound-packets-violated-process-security-policy (#PCDATA)>

<!ELEMENT inbound-packets-with-no-sa-available (#PCDATA)>

<!ELEMENT incoming-messages-with-memory-allocation-failure (#PCDATA)>

<!ELEMENT incoming-rawip-packets-dropped-no-socket-buffer (#PCDATA)>

<!ELEMENT incoming-ttptp-ip-packets-dropped (#PCDATA)>

<!ELEMENT incoming-ttptp-ip-packets-received (#PCDATA)>

<!ELEMENT information-request (#PCDATA)>

<!ELEMENT information-request-reply (#PCDATA)>

<!ELEMENT input-drops-due-to-bogus-protocol (#PCDATA)>

<!ELEMENT input-drops-due-to-no-mbufs-available (#PCDATA)>

<!ELEMENT input-drops-due-to-no-socket (#PCDATA)>
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<!ELEMENT input-drops-due-to-no-space-in-socket (#PCDATA)>

<!ELEMENT input-packets (#PCDATA)>

<!ELEMENT input-packets-could-not-get-buffer (#PCDATA)>

<!ELEMENT input-packets-discarded-with-no-protocol (#PCDATA)>

<!ELEMENT input-packets-drop-bad-interface-state (#PCDATA)>

<!ELEMENT input-packets-for-which-route-lookup-is-bypassed (#PCDATA)>

<!ELEMENT input-packets-with-bad-type (#PCDATA)>

<!ELEMENT input-packets-with-discard-type (#PCDATA)>

<!ELEMENT invalid-inbound-packets (#PCDATA)>

<!ELEMENT invalid-outbound-packets (#PCDATA)>

<!ELEMENT ip (packets-received | bad-header-checksums |
packets-with-size-smaller-than-minimum |
packets-with-data-size-less-than-datalength |
packets-with-header-length-less-than-data-size |
packets-with-data-length-less-than-headerlength |
packets-with-incorrect-version-number | packets-destined-to-dead-next-hop |
fragments-received | fragments-dropped-due-to-outofspace-or-dup |
fragments-dropped-due-to-queueoverflow | fragments-dropped-after-timeout |
fragments-dropped-due-to-over-limit | packets-reassembled-ok |
packets-for-this-host | packets-for-unknown-or-unsupported-protocol |
packets-forwarded | packets-not-forwardable | redirects-sent |
packets-sent-from-this-host | packets-sent-with-fabricated-ip-header |
output-packets-dropped-due-to-no-bufs | output-packets-discarded-due-to-no-route
| output-datagrams-fragmented | fragments-created |
datagrams-that-can-not-be-fragmented | packets-with-bad-options |
packets-with-options-handled-without-error | strict-source-and-record-route-options
| loose-source-and-record-route-options | record-route-options | timestamp-options
| timestamp-and-address-options | timestamp-and-prespecified-address-options |
option-packets-dropped-due-to-rate-limit | router-alert-options |
multicast-packets-dropped | packets-dropped |
transit-re-packets-dropped-on-mgmt-interface |
packets-used-first-nexthop-in-ecmp-unilist | incoming-ttpoip-packets-received |
incoming-ttpoip-packets-dropped | outgoing-ttpoip-packets-sent |
outgoing-ttpoip-packets-dropped |
incoming-rawip-packets-dropped-no-socket-buffer)*>

<!ELEMENT ip6 (total-packets-received | ip6-packets-with-size-smaller-than-minimum
| packets-with-datasize-less-than-data-length | ip6-packets-with-bad-options |
ip6-packets-with-incorrect-version-number | ip6-fragments-received |
duplicate-or-out-of-space-fragments-dropped | ip6-fragments-dropped-after-timeout
| fragments-that-exceeded-limit | ip6-packets-reassembled-ok |
ip6-packets-for-this-host | ip6-packets-forwarded | ip6-packets-not-forwardable
| ip6-redirects-sent | ip6-packets-sent-from-this-host |
ip6-packets-sent-with-fabricated-ip-header |
ip6-output-packets-dropped-due-to-no-bufs |
ip6-output-packets-discarded-due-to-no-route | ip6-output-datagrams-fragmented |
ip6-fragments-created | ip6-datagrams-that-can-not-be-fragmented |
packets-that-violated-scope-rules | multicast-packets-which-we-do-not-join |
histogram | ip6nh-hop-by-hop | ip6nh-icmp | ip6nh-igmp | ip6nh-ip | ip6nh-tcp |
ip6nh-udp | ip6nh-idp | ip6nh-tp | ip6nh-ip6 | ip6nh-routing | ip6nh-fragment |

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ip6nh-esp | ip6nh-ah | ip6nh-icmp6 | ip6nh-no-next-header |
ip6nh-destination-option | ip6nh-isoip | ip6nh-ospf | ip6nh-ethernet | ip6nh-pim
| mbuf-statistics | node-locals | link-locals | site-locals | globals |
address-scope | hex-value | header-for-source-address-selection |
packets-whose-headers-are-not-continuous | tunneling-packets-that-can-not-find-gif
| packets-discarded-due-to-too-many-headers | failures-of-source-address-selection
| forward-cache-hit | forward-cache-miss | ip6-packets-destined-to-dead-next-hop
| ip6-option-packets-dropped-due-to-rate-limit | ip6-packets-dropped |
packets-dropped-due-to-bad-protocol | transit-re-packet-dropped-on-mgmt-interface
| packet-used-first-nexthop-in-ecmp-unilist)*>

<!ELEMENT ip6-datagrams-that-can-not-be-fragmented (#PCDATA)>

<!ELEMENT ip6-fragments-created (#PCDATA)>

<!ELEMENT ip6-fragments-dropped-after-timeout (#PCDATA)>

<!ELEMENT ip6-fragments-received (#PCDATA)>

<!ELEMENT ip6-option-packets-dropped-due-to-rate-limit (#PCDATA)>

<!ELEMENT ip6-output-datagrams-fragmented (#PCDATA)>

<!ELEMENT ip6-output-packets-discarded-due-to-no-route (#PCDATA)>

<!ELEMENT ip6-output-packets-dropped-due-to-no-bufs (#PCDATA)>

<!ELEMENT ip6-packets-destined-to-dead-next-hop (#PCDATA)>

<!ELEMENT ip6-packets-dropped (#PCDATA)>

<!ELEMENT ip6-packets-for-this-host (#PCDATA)>

<!ELEMENT ip6-packets-forwarded (#PCDATA)>

<!ELEMENT ip6-packets-not-forwardable (#PCDATA)>

<!ELEMENT ip6-packets-reassembled-ok (#PCDATA)>

<!ELEMENT ip6-packets-sent-from-this-host (#PCDATA)>

<!ELEMENT ip6-packets-sent-with-fabricated-ip-header (#PCDATA)>

<!ELEMENT ip6-packets-with-bad-options (#PCDATA)>

<!ELEMENT ip6-packets-with-incorrect-version-number (#PCDATA)>

<!ELEMENT ip6-packets-with-size-smaller-than-minimum (#PCDATA)>

<!ELEMENT ip6-redirects-sent (#PCDATA)>

<!ELEMENT ip6nh-ah (#PCDATA)>

<!ELEMENT ip6nh-destination-option (#PCDATA)>

<!ELEMENT ip6nh-esp (#PCDATA)>

<!ELEMENT ip6nh-ethernet (#PCDATA)>

<!ELEMENT ip6nh-fragment (#PCDATA)>

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<!ELEMENT ip6nh-hop-by-hop (#PCDATA)>

<!ELEMENT ip6nh-icmp (#PCDATA)>

<!ELEMENT ip6nh-icmp6 (#PCDATA)>

<!ELEMENT ip6nh-idp (#PCDATA)>

<!ELEMENT ip6nh-igmp (#PCDATA)>

<!ELEMENT ip6nh-ip (#PCDATA)>

<!ELEMENT ip6nh-ip6 (#PCDATA)>

<!ELEMENT ip6nh-isoip (#PCDATA)>

<!ELEMENT ip6nh-no-next-header (#PCDATA)>

<!ELEMENT ip6nh-ospf (#PCDATA)>

<!ELEMENT ip6nh-pim (#PCDATA)>

<!ELEMENT ip6nh-routing (#PCDATA)>

<!ELEMENT ip6nh-tcp (#PCDATA)>

<!ELEMENT ip6nh-tp (#PCDATA)>

<!ELEMENT ip6nh-udp (#PCDATA)>

<!ELEMENT ipsec (inbound-packets-processed-successfully |
inbound-packets-violated-process-security-policy |
inbound-packets-with-no-sa-available | invalid-inbound-packets |
inbound-packets-failed-due-to-insufficient-memory |
inbound-packets-failed-getting-spi | inbound-packets-failed-on-ah-replay-check |
inbound-packets-failed-on-esp-replay-check | inbound-packets-considered-authentic
| inbound-packets-failed-on-authentication |
inbound-esp-packets-considered-authentic |
inbound-esp-packets-failed-on-authentication | histogram | ahnames-none |
ahnames-hmac-md5 | ahnames-hmac-sha1 | ahnames-md5 | ahnames-sha | ahnames-null
| ahnames-hmac-sha2-256 | ahnames-hmac-sha2-384 | ahnames-hmac-sha2-512 |
ahnames-hmac-ripemd160 | ahnames-aes-xcbc-mac | espnames-none | espnames-des-cbc
| espnames-3des-cbc | espnames-null | espnames-cast128-cbc | espnames-blowfish-cbc
| espnames-rijndael-cbc | espnames-aes-ctr | compnames-none | compnames-oui |
compnames-deflate | compnames-lzs | protocol |
outbound-packets-processed-successfully |
outbound-packets-violated-process-security-policy |
outbound-packets-with-no-sa-available | invalid-outbound-packets |
outbound-packets-failed-due-to-insufficient-memory | outbound-packets-with-no-route
| spd-cache-lookups | spd-cache-misses)*>

<!ELEMENT ipsec6 (inbound-packets-processed-successfully |
inbound-packets-violated-process-security-policy |
inbound-packets-with-no-sa-available | invalid-inbound-packets |
inbound-packets-failed-due-to-insufficient-memory |
inbound-packets-failed-getting-spi | inbound-packets-failed-on-ah-replay-check |
inbound-packets-failed-on-esp-replay-check | inbound-packets-considered-authentic
| inbound-packets-failed-on-authentication |
inbound-esp-packets-considered-authentic |
inbound-esp-packets-failed-on-authentication | histogram | ahnames-none |
ahnames-hmac-md5 | ahnames-hmac-sha1 | ahnames-md5 | ahnames-sha | ahnames-null
```

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| ahnames-hmac-sha2-256 | ahnames-hmac-sha2-384 | ahnames-hmac-sha2-512 |
ahnames-hmac-ripemd160 | ahnames-aes-xcbc-mac | espnames-none | espnames-des-cbc
| espnames-3des-cbc | espnames-null | espnames-cast128-cbc | espnames-blowfish-cbc
| espnames-rijndael-cbc | espnames-aes-ctr | compnames-none | compnames-oui |
compnames-deflate | compnames-lzs | proto | outbound-packets-processed-successfully
| outbound-packets-violated-process-security-policy |
outbound-packets-with-no-sa-available | invalid-outbound-packets |
outbound-packets-failed-due-to-insufficient-memory | outbound-packets-with-no-route
| spd-cache-lookups | spd-cache-misses)*>

<!ELEMENT ipv4-l3-packets-received (#PCDATA)>

<!ELEMENT ipv4-to-mps-l3-packets-received (#PCDATA)>

<!ELEMENT ipv6-l3-packets-received (#PCDATA)>

<!ELEMENT isdn-packets-received (#PCDATA)>

<!ELEMENT isdn-packets-transmitted (#PCDATA)>

<!ELEMENT iso-family-not-configured (#PCDATA)>

<!ELEMENT keepalive-connections-dropped (#PCDATA)>

<!ELEMENT keepalive-probes-sent (#PCDATA)>

<!ELEMENT keepalive-timeouts (#PCDATA)>

<!ELEMENT keepalives-received (#PCDATA)>

<!ELEMENT keepalives-sent (#PCDATA)>

<!ELEMENT l2-packets-received (#PCDATA)>

<!ELEMENT learning-requests-over-capacity (#PCDATA)>

<!ELEMENT learning-requests-while-learning-disabled-on-interface (#PCDATA)>

<!ELEMENT link-locals (#PCDATA)>

<!ELEMENT listen-queue-overflows (#PCDATA)>

<!ELEMENT loose-source-and-record-route-options (#PCDATA)>

<!ELEMENT lsp-ping-packets (#PCDATA)>

<!ELEMENT mac-moves (#PCDATA)>

<!ELEMENT mac-route-aging-requests (#PCDATA)>

<!ELEMENT mac-route-learning-requests (#PCDATA)>

<!ELEMENT mac-routes-aged (#PCDATA)>

<!ELEMENT mac-routes-learned (#PCDATA)>

<!ELEMENT mac-routes-moved (#PCDATA)>

<!ELEMENT macs-learned (#PCDATA)>

<!ELEMENT mbuf-statistics (#PCDATA)>

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<!ELEMENT mcopy-failure (#PCDATA)>

<!ELEMENT membership-queries-received (#PCDATA)>

<!ELEMENT membership-queries-received-with-invalid-fields (#PCDATA)>

<!ELEMENT membership-reports-received (#PCDATA)>

<!ELEMENT membership-reports-received-for-groups-to-which-we-belong (#PCDATA)>

<!ELEMENT membership-reports-received-with-invalid-fields (#PCDATA)>

<!ELEMENT membership-reports-sent (#PCDATA)>

<!ELEMENT message-responses-generated (#PCDATA)>

<!ELEMENT messages-less-than-minimum-length (#PCDATA)>

<!ELEMENT messages-less-than-the-minimum-length (#PCDATA)>

<!ELEMENT messages-received (#PCDATA)>

<!ELEMENT messages-received-with-bad-checksum (#PCDATA)>

<!ELEMENT messages-received-with-too-few-bytes (#PCDATA)>

<!ELEMENT messages-too-short (#PCDATA)>

<!ELEMENT messages-toward-all-sockets (#PCDATA)>

<!ELEMENT messages-toward-registered-sockets (#PCDATA)>

<!ELEMENT messages-toward-single-socket (#PCDATA)>

<!ELEMENT messages-with-bad-checksum (#PCDATA)>

<!ELEMENT messages-with-bad-code-fields (#PCDATA)>

<!ELEMENT messages-with-bad-length (#PCDATA)>

<!ELEMENT messages-with-bad-source-address (#PCDATA)>

<!ELEMENT messages-with-duplicate-extension (#PCDATA)>

<!ELEMENT messages-with-invalid-address-extension (#PCDATA)>

<!ELEMENT messages-with-invalid-extension-type (#PCDATA)>

<!ELEMENT messages-with-invalid-length-field (#PCDATA)>

<!ELEMENT messages-with-invalid-message-type-field (#PCDATA)>

<!ELEMENT messages-with-invalid-sa-type (#PCDATA)>

<!ELEMENT messages-with-invalid-version-field (#PCDATA)>

<!ELEMENT messages-with-too-many-md-options (#PCDATA)>

<!ELEMENT mpls (total-mpls-packets-received | packets-forwarded | packets-dropped
| packets-with-header-too-small | after-tagging-packets-can-not-fit-link-mtu |
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packets-with-ipv4-explicit-null-tag |
packets-with-ipv4-explicit-null-checksum-errors | packets-with-router-alert-tag
| lsp-ping-packets | packets-with-ttl-expired | packets-with-tag-encoding-error
| packets-discarded-due-to-no-route | packets-used-first-nexthop-in-ecmp-unilist)*>

<!ELEMENT mpls-l3-packets-received (#PCDATA)>

<!ELEMENT mpls-to-ipv4-l3-packets-received (#PCDATA)>

<!ELEMENT mpu-packets-received (#PCDATA)>

<!ELEMENT mpu-packets-transmitted (#PCDATA)>

<!ELEMENT multicast-listener-done (#PCDATA)>

<!ELEMENT multicast-listener-query (#PCDATA)>

<!ELEMENT multicast-listener-report (#PCDATA)>

<!ELEMENT multicast-packets-dropped (#PCDATA)>

<!ELEMENT multicast-packets-which-we-do-not-join (#PCDATA)>

<!ELEMENT neighbor-advertisement (#PCDATA)>

<!ELEMENT neighbor-solicitation (#PCDATA)>

<!ELEMENT new-requests-on-unnumbered-interfaces (#PCDATA)>

<!ELEMENT no-free-memory-in-socket-buffer (#PCDATA)>

<!ELEMENT no-route (#PCDATA)>

<!ELEMENT node-information-reply (#PCDATA)>

<!ELEMENT node-information-request (#PCDATA)>

<!ELEMENT node-locals (#PCDATA)>

<!ELEMENT non-forwarded-packets (#PCDATA)>

<!ELEMENT null-l3-packets-received (#PCDATA)>

<!ELEMENT option-packets-dropped-due-to-rate-limit (#PCDATA)>

<!ELEMENT out-of-order-in-bytes (#PCDATA)>

<!ELEMENT out-of-sequence-segment-drops (#PCDATA)>

<!ELEMENT outbound-packets-failed-due-to-insufficient-memory (#PCDATA)>

<!ELEMENT outbound-packets-processed-successfully (#PCDATA)>

<!ELEMENT outbound-packets-violated-process-security-policy (#PCDATA)>

<!ELEMENT outbound-packets-with-no-route (#PCDATA)>

<!ELEMENT outbound-packets-with-no-sa-available (#PCDATA)>

<!ELEMENT outgoing-messages-with-memory-allocation-failure (#PCDATA)>
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<!ELEMENT outgoing-segments-dropped (#PCDATA)>
<!ELEMENT outgoing-ttptp-icmp-packets-dropped (#PCDATA)>
<!ELEMENT outgoing-ttptp-icmp-packets-sent (#PCDATA)>
<!ELEMENT output-datagrams-fragmented (#PCDATA)>
<!ELEMENT output-drops-due-to-transmit-error (#PCDATA)>
<!ELEMENT output-packets (#PCDATA)>
<!ELEMENT output-packets-discarded (#PCDATA)>
<!ELEMENT output-packets-discarded-due-to-no-route (#PCDATA)>
<!ELEMENT output-packets-drop-bad-interface-state (#PCDATA)>
<!ELEMENT output-packets-dropped-due-to-no-bufs (#PCDATA)>
<!ELEMENT packet-too-big (#PCDATA)>
<!ELEMENT packet-used-first-nexthop-in-ecmp-unilist (#PCDATA)>
<!ELEMENT packets-delivered (#PCDATA)>
<!ELEMENT packets-destined-to-dead-next-hop (#PCDATA)>
<!ELEMENT packets-destined-to-dead-nexthop (#PCDATA)>
<!ELEMENT packets-discarded (#PCDATA)>
<!ELEMENT packets-discarded-due-to-bad-sequence-number (#PCDATA)>
<!ELEMENT packets-discarded-due-to-no-route (#PCDATA)>
<!ELEMENT packets-discarded-due-to-too-many-headers (#PCDATA)>
<!ELEMENT packets-discarded-for-bad-checksum (#PCDATA)>
<!ELEMENT packets-discarded-waiting-for-resolution (#PCDATA)>
<!ELEMENT packets-dropped (#PCDATA)>
<!ELEMENT packets-dropped-due-to-bad-protocol (#PCDATA)>
<!ELEMENT packets-dropped-due-to-full-socket-buffers (#PCDATA)>
<!ELEMENT packets-dropped-due-to-interface-down (#PCDATA)>
<!ELEMENT packets-dropped-due-to-no-l3-route-table (#PCDATA)>
<!ELEMENT packets-dropped-due-to-no-local-if1 (#PCDATA)>
<!ELEMENT packets-dropped-due-to-no-resolve-nh-in-clone-learning (#PCDATA)>
<!ELEMENT packets-dropped-due-to-no-resolve-route (#PCDATA)>
<!ELEMENT packets-dropped-due-to-no-socket (#PCDATA)>
<!ELEMENT packets-dropped-due-to-stp-blocked-or-listening (#PCDATA)>
```



<!ELEMENT packets-dropped-due-to-stp-learning (#PCDATA)>  
<!ELEMENT packets-dropped-full-repl-sock-buf (#PCDATA)>  
<!ELEMENT packets-failed-to-forward (#PCDATA)>  
<!ELEMENT packets-flooded (#PCDATA)>  
<!ELEMENT packets-for-this-host (#PCDATA)>  
<!ELEMENT packets-for-unknown-or-unsupported-protocol (#PCDATA)>  
<!ELEMENT packets-forwarded (#PCDATA)>  
<!ELEMENT packets-forwarded-to-l3-interface (#PCDATA)>  
<!ELEMENT packets-fragmented (#PCDATA)>  
<!ELEMENT packets-hit-hold-queue-while-learning (#PCDATA)>  
<!ELEMENT packets-not-forwardable (#PCDATA)>  
<!ELEMENT packets-of-version-unspecified-received (#PCDATA)>  
<!ELEMENT packets-of-version-unspecified-sent (#PCDATA)>  
<!ELEMENT packets-of-version1-received (#PCDATA)>  
<!ELEMENT packets-of-version1-sent (#PCDATA)>  
<!ELEMENT packets-of-version2-received (#PCDATA)>  
<!ELEMENT packets-of-version2-sent (#PCDATA)>  
<!ELEMENT packets-of-version3-received (#PCDATA)>  
<!ELEMENT packets-of-version3-sent (#PCDATA)>  
<!ELEMENT packets-punted (#PCDATA)>  
<!ELEMENT packets-reassembled-ok (#PCDATA)>  
<!ELEMENT packets-received (#PCDATA)>  
<!ELEMENT packets-received-after-close (#PCDATA)>  
<!ELEMENT packets-received-from-unknown-ifl (#PCDATA)>  
<!ELEMENT packets-received-in-sequence (#PCDATA)>  
<!ELEMENT packets-received-while-unconnected (#PCDATA)>  
<!ELEMENT packets-reconstructed (#PCDATA)>  
<!ELEMENT packets-sent (#PCDATA)>  
<!ELEMENT packets-sent-after-waiting-for-resolution (#PCDATA)>  
<!ELEMENT packets-sent-could-not-find-neighbor (#PCDATA)>

<!ELEMENT packets-sent-could-not-get-buffer (#PCDATA)>

<!ELEMENT packets-sent-from-this-host (#PCDATA)>

<!ELEMENT packets-sent-successfully (#PCDATA)>

<!ELEMENT packets-sent-to-l3-interface (#PCDATA)>

<!ELEMENT packets-sent-while-interface-down (#PCDATA)>

<!ELEMENT packets-sent-while-unconnected (#PCDATA)>

<!ELEMENT packets-sent-with-fabricated-ip-header (#PCDATA)>

<!ELEMENT packets-sent-with-unknown-protocol (#PCDATA)>

<!ELEMENT packets-that-violated-scope-rules (#PCDATA)>

<!ELEMENT packets-used-first-nexthop-in-ecmp-unilist (#PCDATA)>

<!ELEMENT packets-whose-headers-are-not-continuous (#PCDATA)>

<!ELEMENT packets-with-bad-checksum (#PCDATA)>

<!ELEMENT packets-with-bad-header-length (#PCDATA)>

<!ELEMENT packets-with-bad-options (#PCDATA)>

<!ELEMENT packets-with-bogus-sdl-size (#PCDATA)>

<!ELEMENT packets-with-data-length-less-than-headerlength (#PCDATA)>

<!ELEMENT packets-with-data-size-less-than-datalength (#PCDATA)>

<!ELEMENT packets-with-datasize-less-than-data-length (#PCDATA)>

<!ELEMENT packets-with-dead-nexthop (#PCDATA)>

<!ELEMENT packets-with-dead-nexthop-in-clone-learning (#PCDATA)>

<!ELEMENT packets-with-dev-output-failures (#PCDATA)>

<!ELEMENT packets-with-double-tags (#PCDATA)>

<!ELEMENT packets-with-eof-reached-error (#PCDATA)>

<!ELEMENT packets-with-header-length-less-than-data-size (#PCDATA)>

<!ELEMENT packets-with-header-too-small (#PCDATA)>

<!ELEMENT packets-with-icl-lookup-failures (#PCDATA)>

<!ELEMENT packets-with-icl-mismatch-failures (#PCDATA)>

<!ELEMENT packets-with-incorrect-version-number (#PCDATA)>

<!ELEMENT packets-with-input-control-processing-failures (#PCDATA)>

<!ELEMENT packets-with-ipv4-explicit-null-checksum-errors (#PCDATA)>

<!ELEMENT packets-with-ipv4-explicit-null-tag (#PCDATA)>

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<!ELEMENT packets-with-l2-ifl-store-failures (#PCDATA)>
<!ELEMENT packets-with-l3-ifd-lookup-failures (#PCDATA)>
<!ELEMENT packets-with-l3-ifl-lookup-failures (#PCDATA)>
<!ELEMENT packets-with-l3-invalid-rnh (#PCDATA)>
<!ELEMENT packets-with-l3-send-failures (#PCDATA)>
<!ELEMENT packets-with-mpull-failures (#PCDATA)>
<!ELEMENT packets-with-no-auxiliary-table (#PCDATA)>
<!ELEMENT packets-with-no-ce-facing-entry (#PCDATA)>
<!ELEMENT packets-with-no-corefacing-entry (#PCDATA)>
<!ELEMENT packets-with-no-family (#PCDATA)>
<!ELEMENT packets-with-no-ifl (#PCDATA)>
<!ELEMENT packets-with-no-logical-interface (#PCDATA)>
<!ELEMENT packets-with-no-nexthop (#PCDATA)>
<!ELEMENT packets-with-no-nexthop-in-clone-learning (#PCDATA)>
<!ELEMENT packets-with-no-route-for-dmac (#PCDATA)>
<!ELEMENT packets-with-no-route-for-smac (#PCDATA)>
<!ELEMENT packets-with-no-route-for-smac-in-clone-learning (#PCDATA)>
<!ELEMENT packets-with-no-route-table (#PCDATA)>
<!ELEMENT packets-with-options-handled-without-error (#PCDATA)>
<!ELEMENT packets-with-packet-duplication-failures (#PCDATA)>
<!ELEMENT packets-with-router-alert-tag (#PCDATA)>
<!ELEMENT packets-with-send-failures (#PCDATA)>
<!ELEMENT packets-with-size-smaller-than-minimum (#PCDATA)>
<!ELEMENT packets-with-src-mac-learning-failures (#PCDATA)>
<!ELEMENT packets-with-stp-state-lookup-failures (#PCDATA)>
<!ELEMENT packets-with-tag-encoding-error (#PCDATA)>
<!ELEMENT packets-with-tag-insertion-failures (#PCDATA)>
<!ELEMENT packets-with-tag-lookup-failures (#PCDATA)>
<!ELEMENT packets-with-tag-removal-failures (#PCDATA)>
<!ELEMENT packets-with-tnp-src-address-collision-received (#PCDATA)>
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<!ELEMENT packets-with-ttl-expired (#PCDATA)>

<!ELEMENT packets-with-vlan-lookup-failures (#PCDATA)>

<!ELEMENT packets-with-vmember-lookup-failures (#PCDATA)>

<!ELEMENT parameter-problem (#PCDATA)>

<!ELEMENT parameter-problem-icmp6-packets (#PCDATA)>

<!ELEMENT pdus-received-with-bad-checksum (#PCDATA)>

<!ELEMENT pdus-received-with-bad-type-field (#PCDATA)>

<!ELEMENT pdus-received-with-bad-version-number (#PCDATA)>

<!ELEMENT pdus-with-bad-header-length (#PCDATA)>

<!ELEMENT pdus-with-bogus-sdl-size (#PCDATA)>

<!ELEMENT pdus-with-unknown-or-unsupported-protocol (#PCDATA)>

<!ELEMENT persist-timeouts (#PCDATA)>

<!ELEMENT pfkey (requests-sent-from-userland | bytes-sent-from-userland | histogram
| reserved | getspi | update | add | delete | get | acquire | register | expire
| flush | dump | x-promisc | x-pchange | x-spduupdate | x-spddadd | x-spdddelete |
x-spddget | x-spddacquire | x-spddump | x-spddflush | x-spddsetidx | x-spddexpire |
x-spdddelete2 | messages-with-invalid-length-field |
messages-with-invalid-version-field | messages-with-invalid-message-type-field |
messages-too-short | outgoing-messages-with-memory-allocation-failure |
messages-with-duplicate-extension | messages-with-invalid-extension-type |
messages-with-invalid-sa-type | messages-with-invalid-address-extension |
requests-sent-to-userland | bytes-sent-to-userland | messages-toward-single-socket
| messages-toward-all-sockets | messages-toward-registered-sockets |
incoming-messages-with-memory-allocation-failure)*>

<!ELEMENT port-unreachable (#PCDATA)>

<!ELEMENT ppoe-packets-transmitted (#PCDATA)>

<!ELEMENT ppp-packets-received-from-jppd (#PCDATA)>

<!ELEMENT ppp-packets-received-from-pppd (#PCDATA)>

<!ELEMENT ppp-packets-transmitted-to-jppd (#PCDATA)>

<!ELEMENT ppp-packets-transmitted-to-pppd (#PCDATA)>

<!ELEMENT pppoe-packets-received (#PCDATA)>

<!ELEMENT proto (#PCDATA)>

<!ELEMENT protocol (#PCDATA)>

<!ELEMENT proxy-requests-not-proxied (#PCDATA)>

<!ELEMENT raw-interface (raw-packets-transmitted | ppoe-packets-transmitted |
isdn-packets-transmitted | dialer-packets-transmitted |
ppp-packets-transmitted-to-pppd | ppp-packets-transmitted-to-jppd |
igmp12-packets-transmitted | stp-packets-transmitted | faboam-packets-transmitted
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    | output-drops-due-to-transmit-error | mpu-packets-transmitted |
    pppoe-packets-received | isdn-packets-received | dialer-packets-received |
    ppp-packets-received-from-pppd | mpu-packets-received |
    ppp-packets-received-from-jppd | igmp12-packets-received | stp-packets-received
    | faboam-packets-received | stp-packets-dropped | faboam-packets-dropped |
    input-drops-due-to-bogus-protocol | input-drops-due-to-no-mbufs-available |
    input-drops-due-to-no-space-in-socket | input-drops-due-to-no-socket)*>

<!ELEMENT raw-packets-transmitted (#PCDATA)>

<!ELEMENT rcv-packets-dropped (#PCDATA)>

<!ELEMENT rcv-packets-dropped-due-to-bad-address (#PCDATA)>

<!ELEMENT rdp (input-packets | packets-discarded-for-bad-checksum |
packets-discarded-due-to-bad-sequence-number | refused-connections | acks-received
| packets-dropped-due-to-full-socket-buffers | packets-dropped-full-repl-sock-buf
| retransmits | output-packets | acks-sent | connects | closes |
keepalives-received | keepalives-sent)*>

<!ELEMENT rdp-packets-received (#PCDATA)>

<!ELEMENT rdp-packets-sent (#PCDATA)>

<!ELEMENT received-acks (#PCDATA)>

<!ELEMENT received-acks-for-unsent-data (#PCDATA)>

<!ELEMENT received-completely-duplicate-packet (#PCDATA)>

<!ELEMENT received-discarded-because-packet-too-short (#PCDATA)>

<!ELEMENT received-discarded-for-bad-checksum (#PCDATA)>

<!ELEMENT received-discarded-for-bad-header-offset (#PCDATA)>

<!ELEMENT received-duplicate-acks (#PCDATA)>

<!ELEMENT received-fragments-dropped (#PCDATA)>

<!ELEMENT received-hello-packets-dropped (#PCDATA)>

<!ELEMENT received-old-duplicate-packets (#PCDATA)>

<!ELEMENT received-out-of-order-packets (#PCDATA)>

<!ELEMENT received-packets-forwarded (#PCDATA)>

<!ELEMENT received-packets-of-data-after-window (#PCDATA)>

<!ELEMENT received-packets-with-some-duplicate-data (#PCDATA)>

<!ELEMENT received-proxy-requests (#PCDATA)>

<!ELEMENT received-window-probes (#PCDATA)>

<!ELEMENT received-window-update-packets (#PCDATA)>

<!ELEMENT record-route-options (#PCDATA)>

<!ELEMENT redirect (#PCDATA)>

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<!ELEMENT redirects-sent (#PCDATA)>

<!ELEMENT refused-connections (#PCDATA)>

<!ELEMENT register (#PCDATA)>

<!ELEMENT replies-from-unnumbered-interface-with-non-subnetted-donor (#PCDATA)>

<!ELEMENT replies-from-unnumbered-interfaces (#PCDATA)>

<!ELEMENT requests-dropped-due-to-interface-deletion (#PCDATA)>

<!ELEMENT requests-dropped-during-retry (#PCDATA)>

<!ELEMENT requests-dropped-on-entry (#PCDATA)>

<!ELEMENT requests-for-memory-denied (#PCDATA)>

<!ELEMENT requests-involving-multiple-peer-fes (#PCDATA)>

<!ELEMENT requests-on-unnumbered-interface-with-non-subnetted-donor (#PCDATA)>

<!ELEMENT requests-on-unnumbered-interfaces (#PCDATA)>

<!ELEMENT requests-sent-from-userland (#PCDATA)>

<!ELEMENT requests-sent-to-userland (#PCDATA)>

<!ELEMENT requests-to-age-static-route (#PCDATA)>

<!ELEMENT requests-to-learn-an-existing-route (#PCDATA)>

<!ELEMENT requests-to-move-static-route (#PCDATA)>

<!ELEMENT requests-to-re-ageout-aged-route (#PCDATA)>

<!ELEMENT reserved (#PCDATA)>

<!ELEMENT reset (#PCDATA)>

<!ELEMENT resolution-request-received (#PCDATA)>

<!ELEMENT restricted-proxy-requests (#PCDATA)>

<!ELEMENT restricted-proxy-requests-not-proxied (#PCDATA)>

<!ELEMENT retransmit-timeouts (#PCDATA)>

<!ELEMENT retransmits (#PCDATA)>

<!ELEMENT retransmitted (#PCDATA)>

<!ELEMENT retransmitted-bytes (#PCDATA)>

<!ELEMENT router-advertisement (#PCDATA)>

<!ELEMENT router-advertisement-icmp6-packets (#PCDATA)>

<!ELEMENT router-alert-options (#PCDATA)>
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<!ELEMENT router-renumbering (#PCDATA)>
<!ELEMENT router-solicitation (#PCDATA)>
<!ELEMENT router-solicitation-icmp6-packets (#PCDATA)>
<!ELEMENT routing-redirect (#PCDATA)>
<!ELEMENT rst-packets (#PCDATA)>
<!ELEMENT sack-options-sent (#PCDATA)>
<!ELEMENT sack-options-received (#PCDATA)>
<!ELEMENT sack-recovery-episodes (#PCDATA)>
<!ELEMENT sack-scoreboard-overflow (#PCDATA)>
<!ELEMENT sbappend-failure (#PCDATA)>
<!ELEMENT segment-information-forgotten (#PCDATA)>
<!ELEMENT segment-retransmits (#PCDATA)>
<!ELEMENT segments-updated-rtt (#PCDATA)>
<!ELEMENT send-packets-discarded (#PCDATA)>
<!ELEMENT send-packets-dropped (#PCDATA)>
<!ELEMENT sent-ack-only-packets (#PCDATA)>
<!ELEMENT sent-control-packets (#PCDATA)>
<!ELEMENT sent-data-packets (#PCDATA)>
<!ELEMENT sent-data-packets-retransmitted (#PCDATA)>
<!ELEMENT sent-fragments-dropped (#PCDATA)>
<!ELEMENT sent-hello-packets-dropped (#PCDATA)>
<!ELEMENT sent-packets-delayed (#PCDATA)>
<!ELEMENT sent-resends-by-mtu-discovery (#PCDATA)>
<!ELEMENT sent-urg-only-packets (#PCDATA)>
<!ELEMENT sent-window-probe-packets (#PCDATA)>
<!ELEMENT sent-window-update-packets (#PCDATA)>
<!ELEMENT short-pdus-received (#PCDATA)>
<!ELEMENT site-locals (#PCDATA)>
<!ELEMENT some-duplicate-in-bytes (#PCDATA)>
<!ELEMENT source-quench (#PCDATA)>
<!ELEMENT spd-cache-lookups (#PCDATA)>
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<!ELEMENT spd-cache-misses (#PCDATA)>

<!ELEMENT stale (#PCDATA)>

<!ELEMENT statistics (tcp | udp | ip | icmp | igmp | ipsec | raw-interface | arp
| ip6 | icmp6 | ipsec6 | pfkey | clnl | esis | tnp | rdp | tudp | ttp | mpls |
vpls | bridge | ethoamcfm | ethoamlfm)*>

<!ELEMENT stp-packets-dropped (#PCDATA)>

<!ELEMENT stp-packets-received (#PCDATA)>

<!ELEMENT stp-packets-transmitted (#PCDATA)>

<!ELEMENT strict-source-and-record-route-options (#PCDATA)>

<!ELEMENT syncache-entries-added (#PCDATA)>

<!ELEMENT tcp (packets-sent | sent-data-packets | data-packets-bytes |
sent-data-packets-retransmitted | retransmitted-bytes |
sent-resends-by-mtu-discovery | sent-ack-only-packets | sent-packets-delayed |
sent-urg-only-packets | sent-window-probe-packets | sent-window-update-packets |
sent-control-packets | packets-received | received-acks | acks-bytes |
received-duplicate-acks | received-acks-for-unsent-data |
packets-received-in-sequence | in-sequence-bytes |
received-completely-duplicate-packet | duplicate-in-bytes |
received-old-duplicate-packets | received-packets-with-some-duplicate-data |
some-duplicate-in-bytes | received-out-of-order-packets | out-of-order-in-bytes
| received-packets-of-data-after-window | bytes | received-window-probes |
received-window-update-packets | packets-received-after-close |
received-discarded-for-bad-checksum | received-discarded-for-bad-header-offset |
received-discarded-because-packet-too-short | connection-requests |
connection-accepts | bad-connection-attempts | listen-queue-overflows |
connections-established | connections-closed | drops |
connections-updated-rtt-on-close | connections-updated-variance-on-close |
connections-updated-ssthresh-on-close | embryonic-connections-dropped |
segments-updated-rtt | attempts | retransmit-timeouts |
connections-dropped-by-retransmit-timeout | persist-timeouts |
connections-dropped-by-persist-timeout | keepalive-timeouts | keepalive-probes-sent
| keepalive-connections-dropped | ack-header-predictions |
data-packet-header-predictions | syncache-entries-added | retransmitted | dupsyn
| dropped | completed | bucket-overflow | cache-overflow | reset | stale | aborted
| badack | unreachable | zone-failures | cookies-sent | cookies-received |
sack-recovery-episodes | segment-retransmits | byte-retransmits |
sack-options-received | sack-options-sent | sack-scoreboard-overflow |
acks-sent-in-response-but-not-exact-rsts |
acks-sent-in-response-to-syns-on-established-connections |
rcv-packets-dropped-due-to-bad-address | out-of-sequence-segment-drops |
rst-packets | icmp-packets-ignored | send-packets-dropped | rcv-packets-dropped
| outgoing-segments-dropped)*>

<!ELEMENT time-exceed-reassembly (#PCDATA)>

<!ELEMENT time-exceed-transit (#PCDATA)>

<!ELEMENT time-exceeded (#PCDATA)>

<!ELEMENT time-exceeded-icmp6-packets (#PCDATA)>

<!ELEMENT time-stamp (#PCDATA)>

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<!ELEMENT time-stamp-reply (#PCDATA)>

<!ELEMENT timestamp-and-address-options (#PCDATA)>

<!ELEMENT timestamp-and-prespecified-address-options (#PCDATA)>

<!ELEMENT timestamp-drops-with-broadcast-or-multicast-destination-address
(PCDATA)>

<!ELEMENT timestamp-options (#PCDATA)>

<!ELEMENT tnp (unicast-packets-received | broadcast-packets-received |
fragmented-packets-received | received-hello-packets-dropped |
received-fragments-dropped | fragment-reassembly-queue-flushes |
packets-with-tnp-src-address-collision-received | hello-packets-received |
control-packets-received | rdp-packets-received | udp-packets-received |
tunnel-packets-received | input-packets-discarded-with-no-protocol |
packets-of-version-unspecified-received | packets-of-version1-received |
packets-of-version2-received | packets-of-version3-received | unicast-packets-sent
| broadcast-packets-sent | fragmented-packets-sent | sent-hello-packets-dropped
| sent-fragments-dropped | hello-packets-sent | control-packets-sent |
rdp-packets-sent | udp-packets-sent | tunnel-packets-sent |
packets-sent-with-unknown-protocol | packets-of-version-unspecified-sent |
packets-of-version1-sent | packets-of-version2-sent | packets-of-version3-sent)*>

<!ELEMENT tnp-l3-packets-received (#PCDATA)>

<!ELEMENT too-small-packets (#PCDATA)>

<!ELEMENT total-clnl-packets-received (#PCDATA)>

<!ELEMENT total-esis-packets-received (#PCDATA)>

<!ELEMENT total-mp1s-packets-received (#PCDATA)>

<!ELEMENT total-packets-consumed-by-protocol (#PCDATA)>

<!ELEMENT total-packets-received (#PCDATA)>

<!ELEMENT total-packets-sent (#PCDATA)>

<!ELEMENT total-packets-transmitted (#PCDATA)>

<!ELEMENT transit-re-packet-dropped-on-mgmt-interface (#PCDATA)>

<!ELEMENT transit-re-packets-dropped-on-mgmt-interface (#PCDATA)>

<!ELEMENT ttp (ttp-packets-sent | packets-sent-while-unconnected |
packets-sent-while-interface-down | packets-sent-could-not-get-buffer |
packets-sent-could-not-find-neighbor | l2-packets-received |
unknown-l3-packets-received | ipv4-l3-packets-received | mp1s-l3-packets-received
| mp1s-to-ipv4-l3-packets-received | ipv4-to-mp1s-l3-packets-received |
ipv6-l3-packets-received | arp-l3-packets-received | clnp-l3-packets-received |
tnp-l3-packets-received | null-l3-packets-received |
cyclotron-cycle-l3-packets-received | cyclotron-send-l3-packets-received |
packets-received-while-unconnected | packets-received-from-unknown-ifl |
input-packets-could-not-get-buffer | input-packets-with-bad-type |
input-packets-with-discard-type |
input-packets-for-which-route-lookup-is-bypassed)*>

```

```
<!ELEMENT ttp-packets-sent (#PCDATA)>

<!ELEMENT tudp (datagrams-received | datagrams-with-incomplete-header |
datagrams-with-bad-data-length-field | datagrams-with-bad-checksum |
datagrams-dropped-due-to-no-socket |
broadcast-or-multicast-datagrams-dropped-due-to-no-socket |
datagrams-dropped-due-to-full-socket-buffers | delivered | datagrams-output)*>

<!ELEMENT tunnel-packets-received (#PCDATA)>

<!ELEMENT tunnel-packets-sent (#PCDATA)>

<!ELEMENT tunneling-packets-that-can-not-find-gif (#PCDATA)>

<!ELEMENT type-of-histogram (#PCDATA)>

<!ELEMENT udp (datagrams-received | datagrams-with-incomplete-header |
datagrams-with-bad-data-length-field | datagrams-with-bad-checksum |
datagrams-dropped-due-to-no-socket |
broadcast-or-multicast-datagrams-dropped-due-to-no-socket |
datagrams-dropped-due-to-full-socket-buffers | datagrams-not-for-hashed-pcb |
datagrams-delivered | datagrams-output)*>

<!ELEMENT udp-packets-received (#PCDATA)>

<!ELEMENT udp-packets-sent (#PCDATA)>

<!ELEMENT unicast-packets-received (#PCDATA)>

<!ELEMENT unicast-packets-sent (#PCDATA)>

<!ELEMENT unknown (#PCDATA)>

<!ELEMENT unknown-l3-packets-received (#PCDATA)>

<!ELEMENT unknown-or-unsupported-protocol-packets (#PCDATA)>

<!ELEMENT unreachable (#PCDATA)>

<!ELEMENT unreachable-icmp6-packets (#PCDATA)>

<!ELEMENT unrecognized-next-header (#PCDATA)>

<!ELEMENT unrecognized-option (#PCDATA)>

<!ELEMENT unrestricted-proxy-requests (#PCDATA)>

<!ELEMENT unsupported-platform (#PCDATA)>

<!ELEMENT update (#PCDATA)>

<!ELEMENT vpls (total-packets-received |
vpls-packets-with-size-smaller-than-minimum |
vpls-packets-with-incorrect-version-number | vpls-packets-for-this-host |
packets-with-no-logical-interface | packets-with-no-family |
packets-with-no-route-table | packets-with-no-auxiliary-table |
packets-with-no-corefacing-entry | packets-with-no-ce-facing-entry |
mac-route-learning-requests | mac-routes-learned |
requests-to-learn-an-existing-route |
learning-requests-while-learning-disabled-on-interface |
learning-requests-over-capacity | mac-routes-moved | requests-to-move-static-route
```

```
| mac-route-aging-requests | mac-routes-aged | bogus-address-in-aging-requests  
| requests-to-age-static-route | requests-to-re-ageout-aged-route |  
requests-involving-multiple-peer-fes | aging-acks-from-pfe |  
aging-non-acks-from-pfe | aging-requests-timed-out-waiting-on-fes |  
aging-requests-over-max-rate | errors-finding-peer-fes | unsupported-platform |  
packets-dropped-due-to-no-l3-route-table | packets-dropped-due-to-no-local-ifl |  
packets-punted | packets-dropped-due-to-no-socket)*>  
  
<!ELEMENT vpls-packets-for-this-host (#PCDATA)>  
  
<!ELEMENT vpls-packets-with-incorrect-version-number (#PCDATA)>  
  
<!ELEMENT vpls-packets-with-size-smaller-than-minimum (#PCDATA)>  
  
<!ELEMENT x-pchange (#PCDATA)>  
  
<!ELEMENT x-promisc (#PCDATA)>  
  
<!ELEMENT x-spdacquire (#PCDATA)>  
  
<!ELEMENT x-spdadd (#PCDATA)>  
  
<!ELEMENT x-spddelete (#PCDATA)>  
  
<!ELEMENT x-spddelete2 (#PCDATA)>  
  
<!ELEMENT x-spddump (#PCDATA)>  
  
<!ELEMENT x-spdexpire (#PCDATA)>  
  
<!ELEMENT x-spdflush (#PCDATA)>  
  
<!ELEMENT x-spdget (#PCDATA)>  
  
<!ELEMENT x-spdsetidx (#PCDATA)>  
  
<!ELEMENT x-spdupdate (#PCDATA)>  
  
<!ELEMENT zone-failures (#PCDATA)>
```



# DTD for Subscriber Management Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-subscriber-management.dtd`, which lists the Junos XML tags that contain information about Junos subscriber management. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-subscriber-management.dtd -->

<!ELEMENT no-information (#PCDATA)>

<!ELEMENT subscriber-management-chassisd-issu-state (#PCDATA)>

<!ELEMENT subscriber-management-db (#PCDATA)>

<!ELEMENT subscriber-management-gres (#PCDATA)>

<!ELEMENT subscriber-management-issu-state (#PCDATA)>

<!ELEMENT subscriber-management-issu-wait (#PCDATA)>

<!ELEMENT subscriber-management-mastership (#PCDATA)>

<!ELEMENT subscriber-management-summary-information (subscriber-management-gres
| subscriber-management-mastership | subscriber-management-db |
subscriber-management-chassisd-issu-state | subscriber-management-issu-state |
subscriber-management-issu-wait | no-information)*>
```



# DTD for Subscribers Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-subscribers.dtd`, which lists the Junos XML tags that contain information about subscribers. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-subscribers.dtd -->

<!ELEMENT access-type (#PCDATA)>

<!ELEMENT adfv4-input-filter-name (#PCDATA)>

<!ELEMENT adfv4-input-rule (#PCDATA)>

<!ELEMENT adfv4-input-rule-decoded (#PCDATA)>

<!ELEMENT adfv4-output-filter-name (#PCDATA)>

<!ELEMENT adfv4-output-rule (#PCDATA)>

<!ELEMENT adfv4-output-rule-decoded (#PCDATA)>

<!ELEMENT adfv6-input-filter-name (#PCDATA)>

<!ELEMENT adfv6-input-rule (#PCDATA)>

<!ELEMENT adfv6-input-rule-decoded (#PCDATA)>

<!ELEMENT adfv6-output-filter-name (#PCDATA)>

<!ELEMENT adfv6-output-rule (#PCDATA)>

<!ELEMENT adfv6-output-rule-decoded (#PCDATA)>

<!ELEMENT agent-circuit-id (#PCDATA)>

<!ELEMENT agent-remote-id (#PCDATA)>

<!ELEMENT config-bit-access-internal (#PCDATA)>

<!ELEMENT config-bit-cos (#PCDATA)>

<!ELEMENT config-bit-ift-filter (#PCDATA)>
```

```
<!ELEMENT config-bit-iftset (#PCDATA)>

<!ELEMENT config-bit-igmp (#PCDATA)>

<!ELEMENT config-bit-inet (#PCDATA)>

<!ELEMENT config-bit-inet-filter (#PCDATA)>

<!ELEMENT config-bit-inet-service (#PCDATA)>

<!ELEMENT config-bit-inet6 (#PCDATA)>

<!ELEMENT config-bit-inet6-filter (#PCDATA)>

<!ELEMENT config-bit-inet6-service (#PCDATA)>

<!ELEMENT config-bit-interface (#PCDATA)>

<!ELEMENT config-bit-li (#PCDATA)>

<!ELEMENT config-bit-mld (#PCDATA)>

<!ELEMENT config-bit-ra (#PCDATA)>

<!ELEMENT config-bit-routing-instance (#PCDATA)>

<!ELEMENT config-bit-routing-options (#PCDATA)>

<!ELEMENT config-bit-unknown (#PCDATA)>

<!ELEMENT config-bit-vpls (#PCDATA)>

<!ELEMENT counters (session-total | session-state-init | session-state-configured
| session-state-active | session-state-terminating | session-state-terminated |
session-state-unknown | session-state-total | session-type-none |
session-type-dhcp | session-type-vlan | session-type-generic |
session-type-mobileip | session-type-vpls-pw | session-type-ppp |
session-type-pppoe | session-type-l2tp | session-type-static | session-type-mppp
| session-type-xauth | session-type-fwauth | session-type-dot1x |
session-type-unknown | session-type-total | ifl-type-none | ifl-type-static |
ifl-type-dynamic | ifl-type-unknown | config-bit-interface | config-bit-inet |
config-bit-inet-filter | config-bit-inet-service | config-bit-routing-instance |
config-bit-routing-options | config-bit-igmp | config-bit-cos | config-bit-inet6
| config-bit-inet6-filter | config-bit-inet6-service | config-bit-mld |
config-bit-li | config-bit-ra | config-bit-ift-filter | config-bit-access-internal
| config-bit-iftset | config-bit-vpls | config-bit-unknown | lsri-name |
lsri-count | lsri-total)*>
<!ATTLIST counters junos:style CDATA #IMPLIED>

<!ELEMENT dhcp-options (#PCDATA)>

<!ELEMENT error (input-error-message)*>
<!ATTLIST error junos:style CDATA #IMPLIED>

<!ELEMENT gw-address (#PCDATA)>

<!ELEMENT hex-data (#PCDATA)>

<!ELEMENT idle-timeout (#PCDATA)>
```



```
<!ELEMENT ifl-input-filter-name (#PCDATA)>
<!ELEMENT ifl-output-filter-name (#PCDATA)>
<!ELEMENT ifl-type-dynamic (#PCDATA)>
<!ELEMENT ifl-type-none (#PCDATA)>
<!ELEMENT ifl-type-static (#PCDATA)>
<!ELEMENT ifl-type-unknown (#PCDATA)>
<!ELEMENT input-error-message (#PCDATA)>
<!ELEMENT interface (#PCDATA)>
<!ELEMENT interface-set-name (#PCDATA)>
<!ELEMENT interface-set-type (#PCDATA)>
<!ELEMENT interface-type (#PCDATA)>
<!ELEMENT ip-address (#PCDATA)>
<!ELEMENT ip-netmask (#PCDATA)>
<!ELEMENT ipv4-input-filter-name (#PCDATA)>
<!ELEMENT ipv4-output-filter-name (#PCDATA)>
<!ELEMENT ipv6-address (#PCDATA)>
<!ELEMENT ipv6-input-filter-name (#PCDATA)>
<!ELEMENT ipv6-network-prefix-length (#PCDATA)>
<!ELEMENT ipv6-output-filter-name (#PCDATA)>
<!ELEMENT ipv6-prefix (#PCDATA)>
<!ELEMENT l2pol-input-filter-name (#PCDATA)>
<!ELEMENT l2pol-output-filter-name (#PCDATA)>
<!ELEMENT local-ip-address (#PCDATA)>
<!ELEMENT logical-system (#PCDATA)>
<!ELEMENT login-time (#PCDATA)>
<!ELEMENT lsri-count (#PCDATA)>
<!ELEMENT lsri-name (#PCDATA)>
<!ELEMENT lsri-total (#PCDATA)>
<!ELEMENT mac-address (#PCDATA)>
<!ELEMENT no-attributes (#PCDATA)>
<!ELEMENT number-of-active-subscribers (#PCDATA)>
```

```
<!ELEMENT number-of-service-sessions (#PCDATA)>

<!ELEMENT number-of-subscribers (#PCDATA)>

<!ELEMENT ppp-state (#PCDATA)>

<!ELEMENT private-data (#PCDATA)>

<!ELEMENT profile (#PCDATA)>

<!ELEMENT radius-accounting-id (#PCDATA)>

<!ELEMENT remote-ip-address (#PCDATA)>

<!ELEMENT routing-instance (#PCDATA)>

<!ELEMENT server-dhcp-options (#PCDATA)>

<!ELEMENT service-session-id (#PCDATA)>

<!ELEMENT service-session-ids (#PCDATA)>

<!ELEMENT service-session-name (#PCDATA)>

<!ELEMENT session-id (#PCDATA)>

<!ELEMENT session-state-active (#PCDATA)>

<!ELEMENT session-state-configured (#PCDATA)>

<!ELEMENT session-state-init (#PCDATA)>

<!ELEMENT session-state-terminated (#PCDATA)>

<!ELEMENT session-state-terminating (#PCDATA)>

<!ELEMENT session-state-total (#PCDATA)>

<!ELEMENT session-state-unknown (#PCDATA)>

<!ELEMENT session-timeout (#PCDATA)>

<!ELEMENT session-total (#PCDATA)>

<!ELEMENT session-type-dhcp (#PCDATA)>

<!ELEMENT session-type-dot1x (#PCDATA)>

<!ELEMENT session-type-fwauth (#PCDATA)>

<!ELEMENT session-type-generic (#PCDATA)>

<!ELEMENT session-type-l2tp (#PCDATA)>

<!ELEMENT session-type-mppp (#PCDATA)>

<!ELEMENT session-type-mobileip (#PCDATA)>

<!ELEMENT session-type-none (#PCDATA)>
```

```

<!ELEMENT session-type-ppp (#PCDATA)>

<!ELEMENT session-type-pppoe (#PCDATA)>

<!ELEMENT session-type-static (#PCDATA)>

<!ELEMENT session-type-total (#PCDATA)>

<!ELEMENT session-type-unknown (#PCDATA)>

<!ELEMENT session-type-vlan (#PCDATA)>

<!ELEMENT session-type-vpls-pw (#PCDATA)>

<!ELEMENT session-type-xauth (#PCDATA)>

<!ELEMENT stacked-vlan-id (#PCDATA)>

<!ELEMENT state (#PCDATA)>

<!ELEMENT subscriber (access-type | user-name | ip-address | ip-netmask |
ipv6-address | ipv6-network-prefix-length | ipv6-prefix | logical-system |
routing-instance | interface | interface-type | stacked-vlan-id | vlan-id | profile
| mac-address | login-time | state | interface-set-name | interface-set-type |
local-ip-address | remote-ip-address | ppp-state | gw-address |
radius-accounting-id | session-id | underlying-session-id | session-timeout |
idle-timeout | agent-circuit-id | agent-remote-id | ipv4-input-filter-name |
ipv4-output-filter-name | ipv6-input-filter-name | ipv6-output-filter-name |
ifl-input-filter-name | ifl-output-filter-name | adfv4-input-filter-name |
adv4-input-rule | adv4-input-rule-decoded | adv4-output-filter-name |
adv4-output-rule | adv4-output-rule-decoded | adv6-input-filter-name |
adv6-input-rule | adv6-input-rule-decoded | adv6-output-filter-name |
adv6-output-rule | adv6-output-rule-decoded | vpls-input-filter-name |
vpls-output-filter-name | l2pol-input-filter-name | l2pol-output-filter-name |
subscriber-id | service-session-ids | service-session-id | service-session-name
| number-of-service-sessions | number-of-subscribers | number-of-active-subscribers
| private-data | hex-data | dhcp-options | server-dhcp-options | no-attributes)*>
<!ATTLIST subscriber junos:style CDATA #IMPLIED>

<!ELEMENT subscriber-id (#PCDATA)>

<!ELEMENT subscribers-information (subscriber | error)*>

<!ELEMENT subscribers-summary-information (counters)*>

<!ELEMENT underlying-session-id (#PCDATA)>

<!ELEMENT user-name (#PCDATA)>

<!ELEMENT vlan-id (#PCDATA)>

<!ELEMENT vpls-input-filter-name (#PCDATA)>

<!ELEMENT vpls-output-filter-name (#PCDATA)>

```



# DTD for Switchover Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-switchover.dtd`, which lists the Junos XML tags that contain information about switchover response tags. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-switchover.dtd -->

<!ELEMENT configuration-ready EMPTY>

<!ELEMENT configuration-state (configuration-ready | configuration-synchronizing
 | configuration-synchronize-error)*>

<!ELEMENT configuration-synchronize-error EMPTY>

<!ELEMENT configuration-synchronizing EMPTY>

<!ELEMENT gres-mode EMPTY>

<!ELEMENT multi-routing-engine-item (re-name | switchover-information)*>

<!ELEMENT multi-routing-engine-results (multi-routing-engine-item)*>

<!ELEMENT multichassis-mode EMPTY>

<!ELEMENT peer-connected EMPTY>

<!ELEMENT peer-in-steady-state EMPTY>

<!ELEMENT peer-transition-state (peer-connected | peer-in-steady-state)*>

<!ELEMENT re-name (#PCDATA)>

<!ELEMENT replication-connection-error EMPTY>

<!ELEMENT replication-error EMPTY>

<!ELEMENT replication-init-error EMPTY>

<!ELEMENT replication-ready EMPTY>

<!ELEMENT replication-reconnect-error EMPTY>
```

```
<!ELEMENT replication-relay-enable EMPTY>

<!ELEMENT replication-state (replication-ready | replication-synchronizing |
replication-error | replication-version-mismatch | replication-connection-error
| replication-reconnect-error | replication-init-error |
replication-relay-enable)*>

<!ELEMENT replication-synchronizing EMPTY>

<!ELEMENT replication-version-mismatch EMPTY>

<!ELEMENT switchover-information (switchover-state | switchover-mode |
configuration-state | replication-state | peer-transition-state)*>

<!ELEMENT switchover-mode (multichassis-mode | gres-mode | unknown-mode)*>

<!ELEMENT switchover-state (#PCDATA)>

<!ELEMENT unknown-mode EMPTY>
```

## DTD for VRRPD Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-vrrpd.dtd`, which lists the Junos XML tags that contain information about VRRP. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
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<!-- junos-vrrpd.dtd -->

<!ELEMENT accept-data-mode (#PCDATA)>

<!ELEMENT active (#PCDATA)>

<!ELEMENT active-group (#PCDATA)>

<!ELEMENT active-inherit (vrrp-mode | active-node | active-group | accept-data-mode
| vip-count | vip | active-router-ip | virtual-mac)*>
<!-- ATTENTION: active-inherit junos:style CDATA #IMPLIED -->

<!ELEMENT active-node (#PCDATA)>

<!ELEMENT active-router-ip (#PCDATA)>

<!ELEMENT address (#PCDATA)>

<!ELEMENT advertisement-interval (#PCDATA)>

<!ELEMENT advertisement-received (#PCDATA)>

<!ELEMENT advertisement-sent (#PCDATA)>

<!ELEMENT advertisement-timer (#PCDATA)>

<!ELEMENT authentication-type (#PCDATA)>

<!ELEMENT backup-master-transitions (#PCDATA)>

<!ELEMENT bad-advertisement-timer-received (#PCDATA)>

<!ELEMENT bad-authentication-type-received (#PCDATA)>

<!ELEMENT bad-md5-digest-received (#PCDATA)>

<!ELEMENT bad-password-received (#PCDATA)>
```

```
<!ELEMENT bad-vip-count-received (#PCDATA)>

<!ELEMENT bad-vipaddr-received (#PCDATA)>

<!ELEMENT bandwidth (bandwidth-threshold | bandwidth-priority-cost |
bandwidth-active | priority-down-status | priority-cost | priority-active)*>
<!ATTLIST bandwidth junos:style CDATA #IMPLIED>

<!ELEMENT bandwidth-active (#PCDATA)>

<!ELEMENT bandwidth-priority-cost (#PCDATA)>

<!ELEMENT bandwidth-threshold (#PCDATA)>

<!ELEMENT computed-send-rate (#PCDATA)>

<!ELEMENT configured-priority (#PCDATA)>

<!ELEMENT current-priority (#PCDATA)>

<!ELEMENT current-priority-cost (#PCDATA)>

<!ELEMENT dead-timer (#PCDATA)>

<!ELEMENT delay (#PCDATA)>

<!ELEMENT delay-threshold (#PCDATA)>

<!ELEMENT delay-violations (#PCDATA)>

<!ELEMENT delay-violations-rate (#PCDATA)>

<!ELEMENT expiration-rate (#PCDATA)>

<!ELEMENT expirations (#PCDATA)>

<!ELEMENT group (#PCDATA)>

<!ELEMENT group-priority (#PCDATA)>

<!ELEMENT group-vrrp-pdu-error-statistics (bad-authentication-type-received |
bad-password-received | bad-md5-digest-received | bad-advertisement-timer-received
| bad-vip-count-received | bad-vipaddr-received)*>
<!ATTLIST group-vrrp-pdu-error-statistics junos:style CDATA #IMPLIED>

<!ELEMENT group-vrrp-pdu-statistics (advertisement-sent | advertisement-received)*>
<!ATTLIST group-vrrp-pdu-statistics junos:style CDATA #IMPLIED>

<!ELEMENT group-vrrp-state-transition-statistics (idle-master-transitions |
idle-backup-transitions | backup-master-transitions | master-backup-transitions)*>
<!ATTLIST group-vrrp-state-transition-statistics junos:style CDATA #IMPLIED>

<!ELEMENT groups (#PCDATA)>

<!ELEMENT idle-backup-transitions (#PCDATA)>

<!ELEMENT idle-master-transitions (#PCDATA)>

<!ELEMENT index (#PCDATA)>
```



```
<!ELEMENT interface (#PCDATA)>
<!ELEMENT interface-count (#PCDATA)>
<!ELEMENT interface-index (#PCDATA)>
<!ELEMENT interface-speed (#PCDATA)>
<!ELEMENT interface-state (#PCDATA)>
<!ELEMENT interface-tracking-state (#PCDATA)>
<!ELEMENT invalid-ipah-next-type-received (#PCDATA)>
<!ELEMENT invalid-vrrp-authentication-type-received (#PCDATA)>
<!ELEMENT invalid-vrrp-checksum-received (#PCDATA)>
<!ELEMENT invalid-vrrp-ip-count-received (#PCDATA)>
<!ELEMENT invalid-vrrp-pdu-type-received (#PCDATA)>
<!ELEMENT invalid-vrrp-ttl-value-received (#PCDATA)>
<!ELEMENT invalid-vrrp-version-received (#PCDATA)>
<!ELEMENT local-interface-address (#PCDATA)>
<!ELEMENT master-backup-transitions (#PCDATA)>
<!ELEMENT master-priority (#PCDATA)>
<!ELEMENT master-router (#PCDATA)>
<!ELEMENT master-router-ip (#PCDATA)>
<!ELEMENT master-router-uptime (#PCDATA)>
<!ELEMENT message (#PCDATA)>
<!ELEMENT missed-three-consecutive-send (#PCDATA)>
<!ELEMENT no-group-match-received (#PCDATA)>
<!ELEMENT packets-received (#PCDATA)>
<!ELEMENT parse-time (#PCDATA)>
<!ELEMENT peak-delay-violations-rate (#PCDATA)>
<!ELEMENT peak-expiration-rate (#PCDATA)>
<!ELEMENT peak-receive-rate (#PCDATA)>
<!ELEMENT peak-send-rate (#PCDATA)>
<!ELEMENT pending-priority (#PCDATA)>
<!ELEMENT physical-interface (#PCDATA)>
<!ELEMENT preempt (#PCDATA)>
```

```
<!ELEMENT preempt-hold (preempt | preempt-hold-time | accept-data-mode | vip-count
| vip)*>
<!--ATTLIST preempt-hold junos:style CDATA #IMPLIED-->

<!ELEMENT preempt-hold-time (#PCDATA)>

<!ELEMENT priority-active (#PCDATA)>

<!--ELEMENT priority-cost (#PCDATA)-->

<!--ELEMENT priority-down-status (#PCDATA)-->

<!--ELEMENT priority-hold-time (#PCDATA)-->

<!--ELEMENT receive-rate (#PCDATA)-->

<!--ELEMENT remaining-time (#PCDATA)-->

<!--ELEMENT route-addr (#PCDATA)-->

<!--ELEMENT route-count (#PCDATA)-->

<!--ELEMENT route-instance (#PCDATA)-->

<!--ELEMENT route-priority (#PCDATA)-->

<!--ELEMENT route-state (#PCDATA)-->

<!--ELEMENT route-tracking-state (#PCDATA)-->

<!--ELEMENT router-ip (#PCDATA)-->

<!--ELEMENT send-rate (#PCDATA)-->

<!--ELEMENT snmp-interface-index (#PCDATA)-->

<!--ELEMENT timer-name (#PCDATA)-->

<!--ELEMENT timer-value (#PCDATA)-->

<!--ELEMENT track-route-entry (route-addr | route-state | route-priority | interface
| group | configured-priority | current-priority | vrrp-state)*>
<!--ATTLIST track-route-entry junos:style CDATA #IMPLIED-->

<!--ELEMENT track-route-node-information (route-addr | route-instance | route-state
| route-priority)*>
<!--ATTLIST track-route-node-information junos:style CDATA #IMPLIED-->

<!--ELEMENT track-vrrpd-interface (tracked-interface | interface-state |
interface-speed | current-priority-cost | bandwidth)*>
<!--ATTLIST track-vrrpd-interface junos:style CDATA #IMPLIED-->

<!--ELEMENT tracked-interface (#PCDATA)-->

<!--ELEMENT tracking (#PCDATA)-->

<!--ELEMENT unit (#PCDATA)-->

<!--ELEMENT vip (#PCDATA)-->
```

```

<!ELEMENT vip-count (#PCDATA)>

<!ELEMENT virtual-ip-address (#PCDATA)>

<!ELEMENT virtual-mac (#PCDATA)>

<!ELEMENT virtual-router-uptime (#PCDATA)>

<!ELEMENT vlan-address (#PCDATA)>

<!ELEMENT vlan-id (#PCDATA)>

<!ELEMENT vlan-tag (#PCDATA)>

<!ELEMENT vrrp-information (vrrp-interface)*>
<!ATTLIST vrrp-information junos:style CDATA #IMPLIED>

<!ELEMENT vrrp-interface (groups | active | physical-interface | interface |
address | interface-state | group | vrrp-state | timer-name | timer-value |
local-interface-address | vrrp-vlan | bandwidth | group-vrrp-pdu-statistics |
group-vrrp-pdu-error-statistics | group-vrrp-state-transition-statistics |
preempt-hold | virtual-ip-address | unit | index | interface-index |
snmp-interface-index | vrrp-traps | group-priority | advertisement-interval |
authentication-type | delay-threshold | computed-send-rate | preempt |
accept-data-mode | vip-count | vip | dead-timer | master-priority |
master-router-ip | active-router-ip | master-router | router-ip |
virtual-router-uptime | master-router-uptime | virtual-mac | tracking |
preempt-hold-time | current-priority | configured-priority | priority-hold-time
| remaining-time | pending-priority | interface-tracking-state | interface-count
| route-tracking-state | route-count | interface-speed | current-priority-cost
| tracked-interface | track-route-node-information | track-vrrpd-interface |
track-route-entry | vrrp-message | invalid-ipah-next-type-received |
invalid-vrrp-ttl-value-received | invalid-vrrp-version-received |
invalid-vrrp-pdu-type-received | invalid-vrrp-authentication-type-received |
invalid-vrrp-ip-count-received | invalid-vrrp-checksum-received |
advertisement-timer | packets-received | no-group-match-received |
advertisement-sent | advertisement-received | vrrp-mode | active-node |
active-group | active-inherit)*>

<!ELEMENT vrrp-interface-profile (interface | unit | group | advertisement-timer
| delay)*>

<!ELEMENT vrrp-message (message)*>

<!ELEMENT vrrp-mode (#PCDATA)>

<!ELEMENT vrrp-profile-statistics (vrrp-interface-profile | parse-time |
delay-violations | delay-violations-rate | peak-delay-violations-rate |
missed-three-consecutive-send | send-rate | peak-send-rate | receive-rate |
peak-receive-rate | expirations | expiration-rate | peak-expiration-rate)*>

<!ELEMENT vrrp-state (#PCDATA)>

<!ELEMENT vrrp-traps (#PCDATA)>

<!ELEMENT vrrp-vlan (physical-interface | unit | vlan-id | vlan-tag |
vlan-address)*>
<!ATTLIST vrrp-vlan junos:style CDATA #IMPLIED>

```



# DTD for X.509 Certificate Response Tags

This chapter contains the Extensible Markup Language (XML) document type definition (DTD) called `junos-x509-certificate.dtd`, which lists the Junos XML tags that contain information about X.509 certificates. To review reference pages for the tags, see [“Summary of Operational Response Tag Elements” on page 1515](#).

```
<!-- Copyright (c) 2000-2011, Juniper Networks, Inc. -->
<!-- All rights reserved. -->
<!-- junos-x509-certificate.dtd -->

<!ELEMENT alternate-subject (#PCDATA)>

<!ELEMENT alternate-subject-list (alternate-subject)*>

<!ELEMENT auto-re-enrollment (auto-re-enrollment-status |
auto-re-enrollment-next-trigger-time)*>

<!ELEMENT auto-re-enrollment-next-trigger-time (#PCDATA)>

<!ELEMENT auto-re-enrollment-status (#PCDATA)>

<!ELEMENT certificate-type (#PCDATA)>

<!ELEMENT common-name (#PCDATA)>

<!ELEMENT country-name (#PCDATA)>

<!ELEMENT crl-issuer (#PCDATA)>

<!ELEMENT crl-issuer-alternate-subject (#PCDATA)>

<!ELEMENT crl-issuer-alternate-subject-list (crl-issuer-alternate-subject)*>

<!ELEMENT crl-issuer-detail (distinguished-name)*>

<!ELEMENT crl-number (#PCDATA)>

<!ELEMENT crl-revocation-date (#PCDATA)>

<!ELEMENT crl-revocation-list (revoked-cert-serial-number | crl-revocation-date)*>

<!ELEMENT crl-validity (effective-date | next-update)*>

<!ELEMENT crl-version (#PCDATA)>
```

```
<!ELEMENT distinguished-name (organization-name | organizational-unit-name |
country-name | state-or-province-name | locality-name | common-name | email-address
| domain-component)*>

<!ELEMENT distribution-crl (#PCDATA)>

<!ELEMENT distribution-crl-list (distribution-crl)*>

<!ELEMENT domain-component (#PCDATA)>

<!ELEMENT effective-date (#PCDATA)>

<!ELEMENT email-address (#PCDATA)>

<!ELEMENT fingerprint (fingerprint-hash-algorithm | fingerprint-content)*>

<!ELEMENT fingerprint-content (#PCDATA)>

<!ELEMENT fingerprint-hash-algorithm (#PCDATA)>

<!ELEMENT identifier (#PCDATA)>

<!ELEMENT issue-info (recipient | issued-by)*>

<!ELEMENT issued-by (#PCDATA)>

<!ELEMENT issuer (distinguished-name)*>

<!ELEMENT key-contents (#PCDATA)>

<!ELEMENT key-usage (#PCDATA)>

<!ELEMENT key-usage-list (key-usage)*>

<!ELEMENT locality-name (#PCDATA)>

<!ELEMENT next-update (#PCDATA)>

<!ELEMENT not-after (#PCDATA)>

<!ELEMENT not-before (#PCDATA)>

<!ELEMENT organization-name (#PCDATA)>

<!ELEMENT organizational-unit-name (#PCDATA)>

<!ELEMENT public-key (public-key-algorithm | public-key-length |
public-key-verification-status)*>

<!ELEMENT public-key-algorithm (#PCDATA)>

<!ELEMENT public-key-contents-list (key-contents)*>

<!ELEMENT public-key-length (#PCDATA)>

<!ELEMENT public-key-verification-status (#PCDATA)>

<!ELEMENT recipient (#PCDATA)>

<!ELEMENT revoked-cert-serial-number (#PCDATA)>
```

```
<!ELEMENT serial-number-list (serial-number-x509)*>

<!ELEMENT serial-number-x509 (#PCDATA)>

<!ELEMENT signature-algorithm (#PCDATA)>

<!ELEMENT state-or-province-name (#PCDATA)>

<!ELEMENT status (#PCDATA)>

<!ELEMENT subject (distinguished-name)*>

<!ELEMENT validity (not-before | not-after)*>

<!ELEMENT version (#PCDATA)>

<!ELEMENT x509-certificate-add-results (x509-certificate-add-success |
x509-certificate-info)*>

<!ELEMENT x509-certificate-add-success EMPTY>

<!ELEMENT x509-certificate-info (issue-info | serial-number-list | public-key |
fingerprint | public-key-contents-list | alternate-subject-list | key-usage-list
| distribution-crl-list | signature-algorithm | identifier | validity | version
| auto-re-enrollment | certificate-type | status | issuer | subject)*>
<!ATTLIST x509-certificate-info junos:style CDATA #IMPLIED>

<!ELEMENT x509-certificate-info-list (x509-certificate-info)*>

<!ELEMENT x509-crl-information (crl-number | crl-revocation-list | crl-validity
| crl-version | crl-issuer | identifier | crl-issuer-alternate-subject-list |
crl-issuer-detail)*>
<!ATTLIST x509-crl-information junos:style CDATA #IMPLIED>
```





## PART 5

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